

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059395.D
 Acq On : 25 Jun 2018 11:28
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 06:44:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	1093253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1381071	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1089573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	558097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	532505	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
35) Dibromofluoromethane	5.55	113	545464	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	8.71	98	1261768	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.93	95	554824	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	437227	44.950	ug/l	97
3) Chloromethane	1.49	50	227204	44.890	ug/l #	85
4) Vinyl Chloride	1.56	62	244742	46.610	ug/l	93
5) Bromomethane	1.81	94	94923	52.880	ug/l	94
6) Chloroethane	1.89	64	110337	49.075	ug/l	99
7) Trichlorofluoromethane	2.09	101	372661	49.219	ug/l	96
8) Diethyl Ether	2.35	74	77719	45.364	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.57	101	223531	47.507	ug/l	92
10) Methyl Iodide	2.70	142	278406	50.657	ug/l	95
11) Tert butyl alcohol	3.27	59	90775	234.698	ug/l	95
12) 1,1-Dichloroethene	2.56	96	171843	47.704	ug/l	92
13) Acrolein	2.48	56	123340	356.714	ug/l	99
14) Allyl chloride	2.93	41	406852	49.343	ug/l	97
15) Acrylonitrile	3.37	53	317922	267.828	ug/l	95
16) Acetone	2.62	43	405435	287.334	ug/l	96
17) Carbon Disulfide	2.76	76	523646	47.463	ug/l	97
18) Methyl Acetate	2.94	43	134922	44.877	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	822973	46.414	ug/l	99
20) Methylene Chloride	3.08	84	211945	54.380	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	362633	56.935	ug/l	93
22) Diisopropyl ether	4.07	45	1397678	45.053	ug/l	92
23) Vinyl Acetate	4.02	43	3835877	237.315	ug/l	100
24) 1,1-Dichloroethane	3.98	63	812657	45.779	ug/l	98
25) 2-Butanone	4.84	43	653336	221.034	ug/l	96
26) 2,2-Dichloropropane	4.80	77	716290	52.031	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	449799	42.024	ug/l	97
28) Bromochloromethane	5.15	49	355147	46.147	ug/l	99
29) Tetrahydrofuran	5.19	42	323290	199.958	ug/l	96
30) Chloroform	5.32	83	891182	46.059	ug/l	95
31) Cyclohexane	5.60	56	560864	47.701	ug/l	97
32) 1,1,1-Trichloroethane	5.52	97	751843	47.986	ug/l	97
36) 1,1-Dichloropropene	5.76	75	577162	46.069	ug/l	98
37) Ethyl Acetate	4.93	43	326526	42.797	ug/l	99
38) Carbon Tetrachloride	5.73	117	637164	49.328	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059395.D
 Acq On : 25 Jun 2018 11:28
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 06:44:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	557796	46.943	ug/l	97
40) Benzene	6.02	78	1340651	44.592	ug/l	98
41) Methacrylonitrile	5.13	41	154492	42.040	ug/l	99
42) 1,2-Dichloroethane	6.13	62	607429	45.726	ug/l	95
43) Isopropyl Acetate	7.62	43	442866	46.221	ug/l	100
44) Trichloroethene	6.99	130	466607	47.400	ug/l	91
45) 1,2-Dichloropropane	7.35	63	376542	45.220	ug/l	95
46) Dibromomethane	7.46	93	276078	46.102	ug/l	96
47) Bromodichloromethane	7.74	83	646940	48.281	ug/l	99
48) Methyl methacrylate	7.51	41	255526	43.774	ug/l	99
49) 1,4-Dioxane	7.49	88	51695	883.016	ug/l	94
51) 4-Methyl-2-Pentanone	8.60	43	1384565	216.855	ug/l	98
52) Toluene	8.81	92	787859	43.878	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	544220	48.603	ug/l	100
54) cis-1,3-Dichloropropene	8.36	75	621116	47.907	ug/l	94
55) 1,1,2-Trichloroethane	9.46	97	290956	44.632	ug/l	96
56) Ethyl methacrylate	9.31	69	344384	46.296	ug/l	98
57) 1,3-Dichloropropane	9.66	76	461164	43.254	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	911584	238.047	ug/l	98
59) 2-Hexanone	9.78	43	1089235	240.034	ug/l	100
60) Dibromochloromethane	9.96	129	435420	47.697	ug/l	98
61) 1,2-Dibromoethane	10.10	107	324088	44.644	ug/l	98
64) Tetrachloroethene	9.52	164	421034	44.049	ug/l	97
65) Chlorobenzene	10.73	112	942098	47.287	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	374949	49.029	ug/l	97
67) Ethyl Benzene	10.86	91	1571961	46.759	ug/l	100
68) m/p-Xylenes	11.01	106	1075689	96.440	ug/l	95
69) o-Xylene	11.41	106	521306	47.274	ug/l	99
70) Styrene	11.44	104	885811	46.862	ug/l	99
71) Bromoform	11.60	173	320914	50.654	ug/l	94
73) Isopropylbenzene	11.77	105	1528329	48.527	ug/l	99
74) N-amyl acetate	11.64	43	568858	47.474	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	350968	47.500	ug/l	94
76) 1,2,3-Trichloropropane	12.12	75	363730	47.250	ug/l	96
77) Bromobenzene	12.04	156	488032	49.234	ug/l	100
78) n-propylbenzene	12.15	91	2005277	50.273	ug/l	100
79) 2-Chlorotoluene	12.21	91	1174374	50.134	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	1195081	47.665	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	95504	54.583	ug/l	93
82) 4-Chlorotoluene	12.32	91	1234349	46.470	ug/l	100
83) tert-Butylbenzene	12.58	119	1440819	54.024	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1289041	48.581	ug/l	99
85) sec-Butylbenzene	12.76	105	1590656	48.605	ug/l	98
86) p-Isopropyltoluene	12.88	119	1368421	51.878	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	801698	49.161	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	771231	47.925	ug/l	99
89) n-Butylbenzene	13.20	91	1299341	49.902	ug/l	99
90) Hexachloroethane	13.40	117	377100	57.301	ug/l	94
91) 1,2-Dichlorobenzene	13.19	146	618875	44.760	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	58113	47.698	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
Data File : VD059395.D
Acq On : 25 Jun 2018 11:28
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

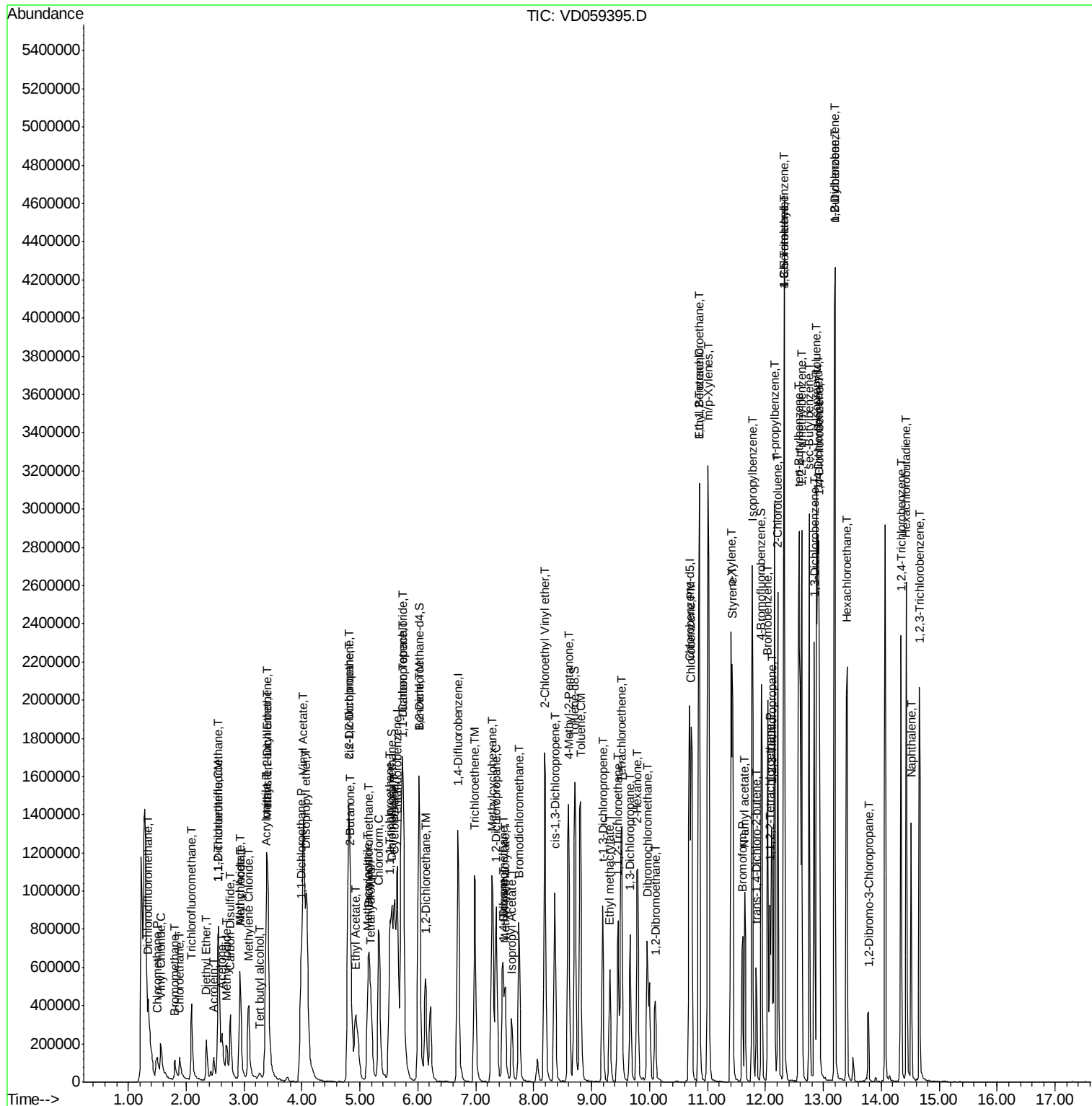
Instrument :
MSVOA_D
ClientSampleId :

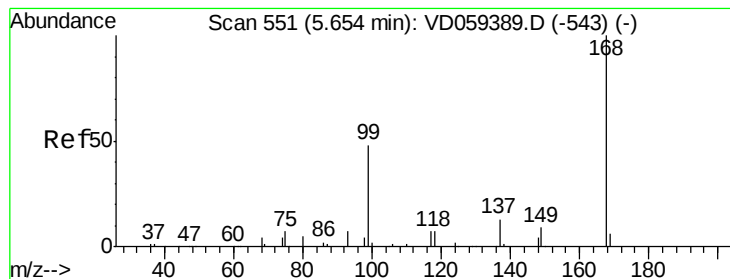
Quant Time: Jun 26 06:44:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	651786	50.988	ug/l	95
94) Hexachlorobutadiene	14.44	225	498340	51.807	ug/l	97
95) Naphthalene	14.52	128	833992	46.812	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	550569	47.902	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Jun 26 06:44:27 2018
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

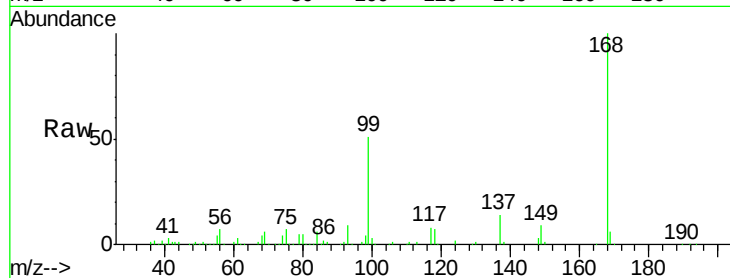
ClientSampled :

Tot Ion:168 Resp: 1093253

Ion Ratio Lower Upper

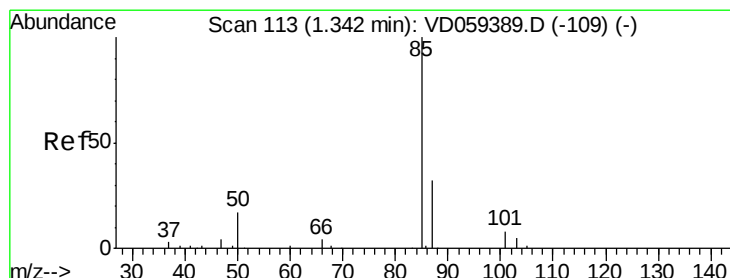
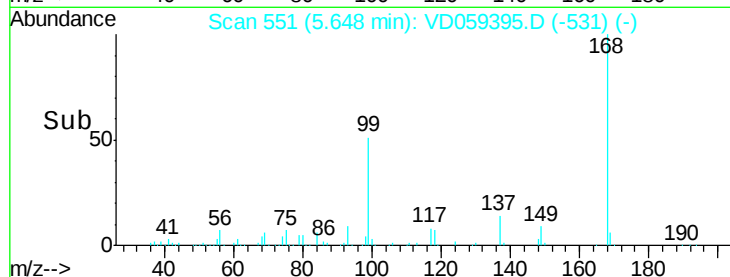
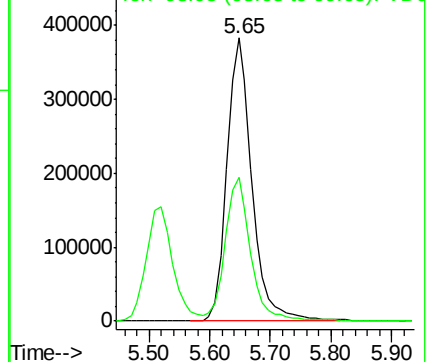
168 100

99 50.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.950 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.01 min

Lab File: VD059395.D

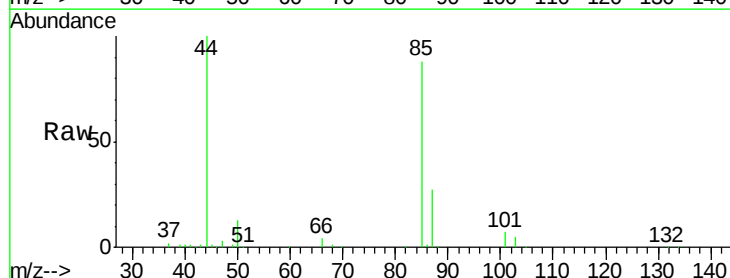
Acq: 25 Jun 2018 11:28

Tgt Ion: 85 Resp: 437227

Ion Ratio Lower Upper

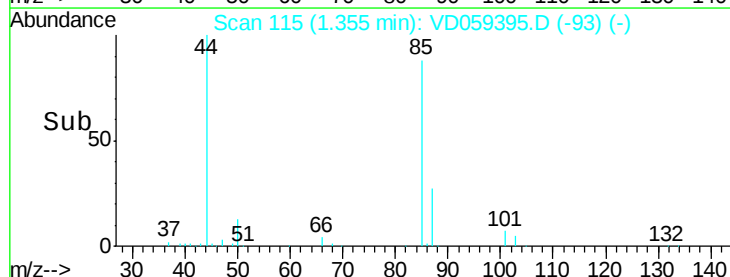
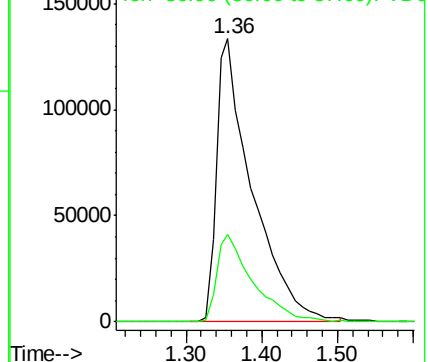
85 100

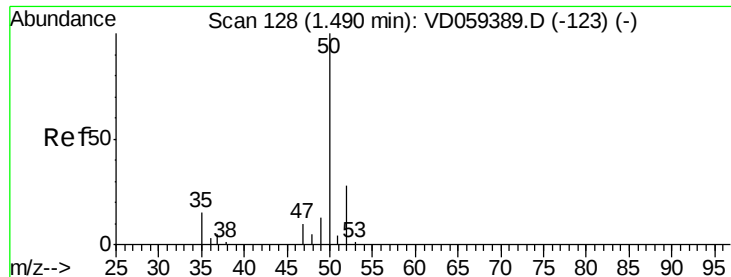
87 31.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.890 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

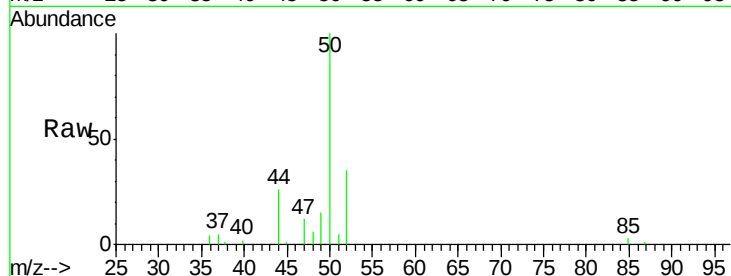
ClientSampleId :

Tot Ion: 50 Resp: 227204

Ion Ratio Lower Upper

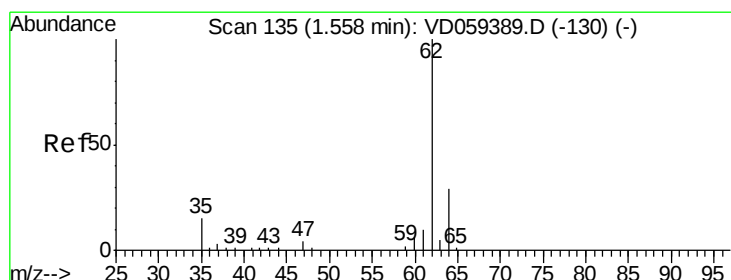
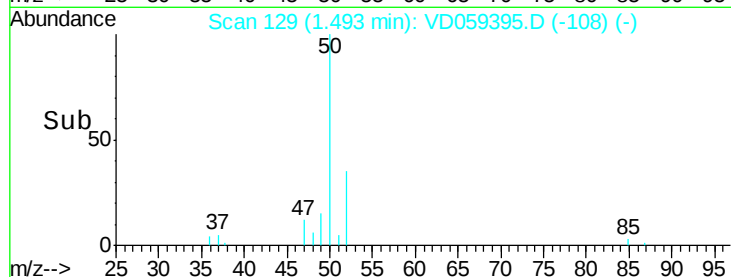
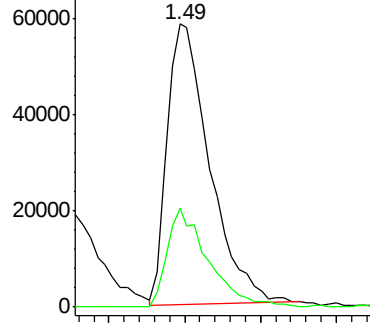
50 100

52 35.0 21.8 32.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.610 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059395.D

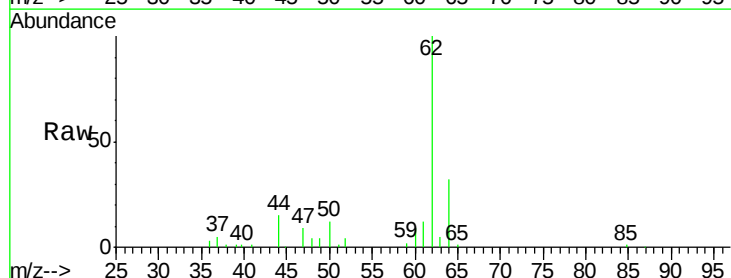
Acq: 25 Jun 2018 11:28

Tgt Ion: 62 Resp: 244742

Ion Ratio Lower Upper

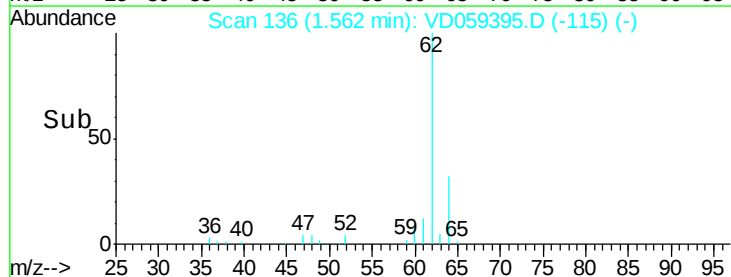
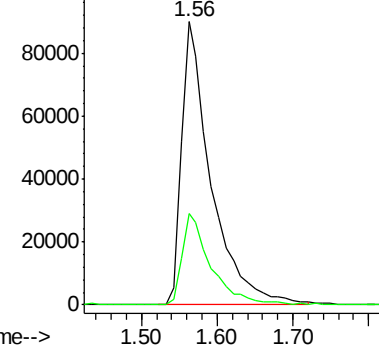
62 100

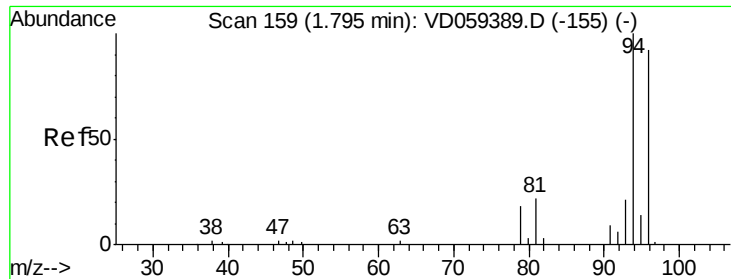
64 32.3 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

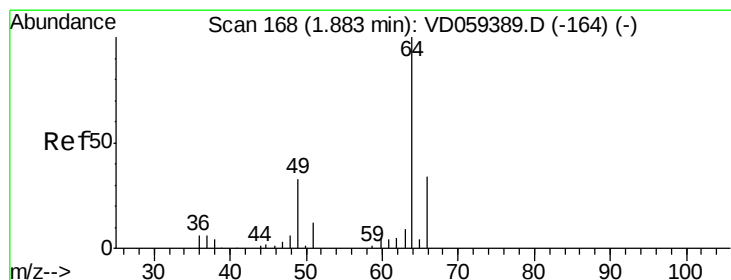
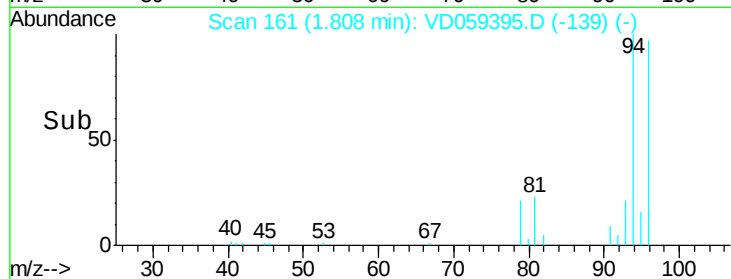
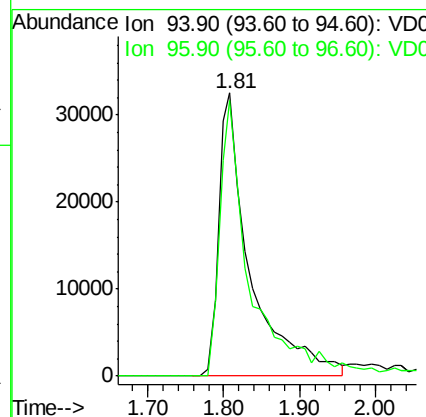
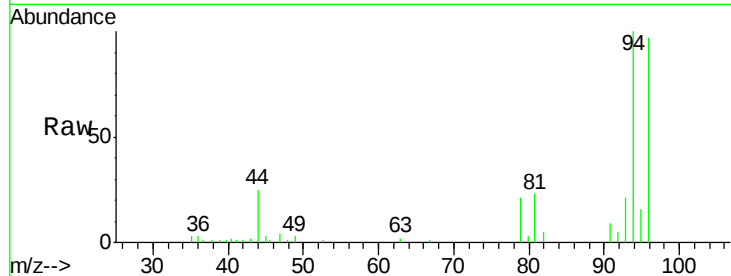




#5
Bromomethane
Concen: 52.880 ug/l
RT: 1.81 min Scan# 161
Delta R.T. 0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

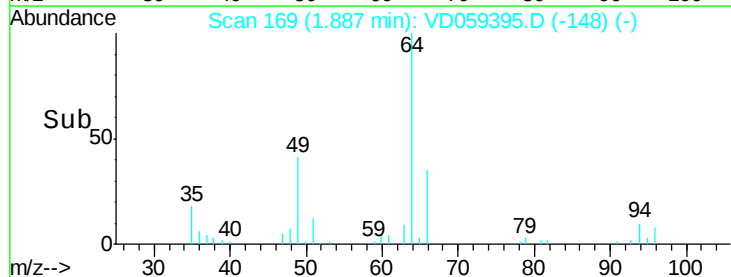
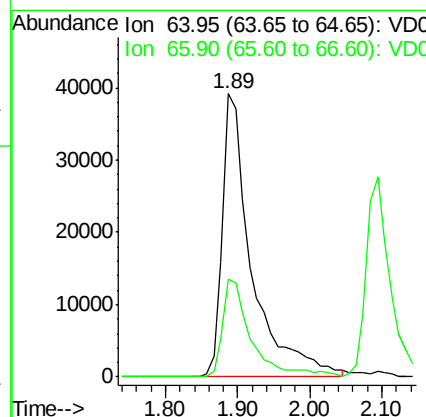
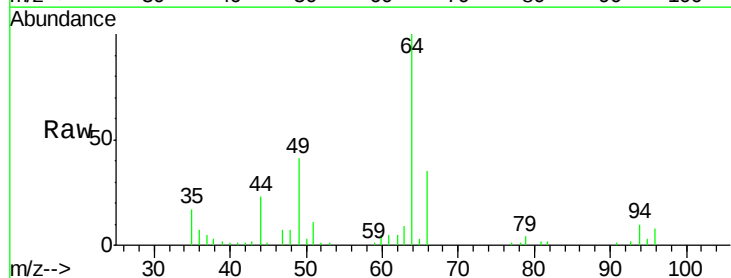
Instrument :
MSVOA_D
ClientSampleId :

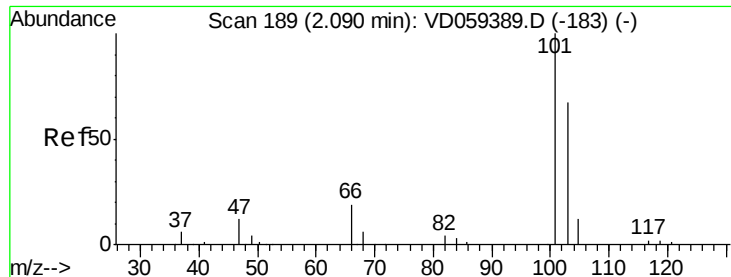
Tot Ion: 94 Resp: 94923
Ion Ratio Lower Upper
94 100
96 97.3 73.4 110.0



#6
Chloroethane
Concen: 49.075 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 64 Resp: 110337
Ion Ratio Lower Upper
64 100
66 34.6 27.1 40.7



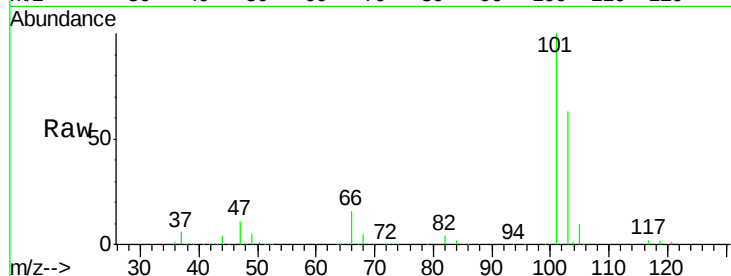


#7

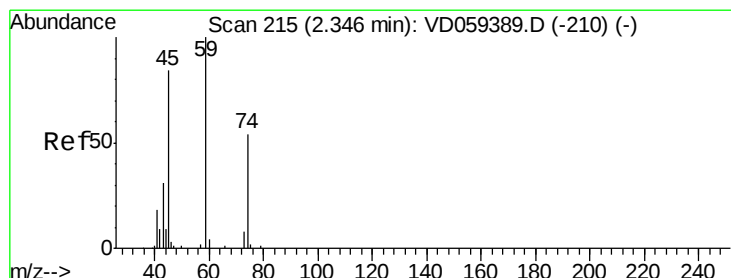
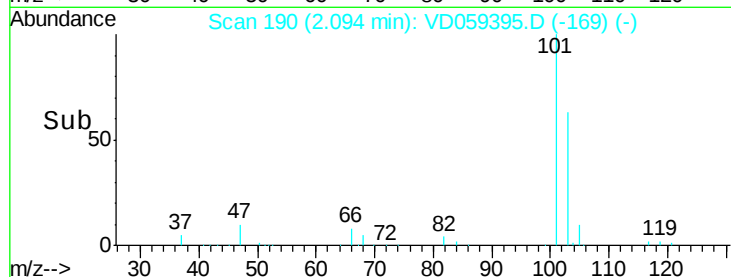
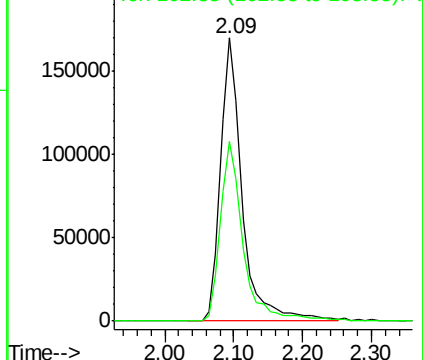
Trichlorofluoromethane
Concen: 49.219 ug/l
RT: 2.09 min Scan# 190
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 372661
Ion Ratio Lower Upper
101 100
103 63.4 53.4 80.0



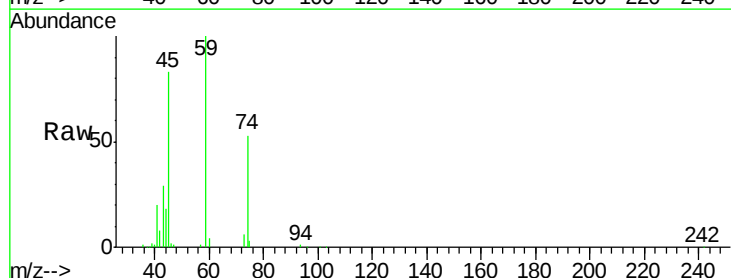
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



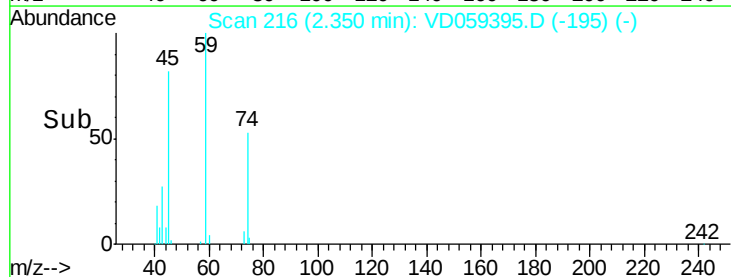
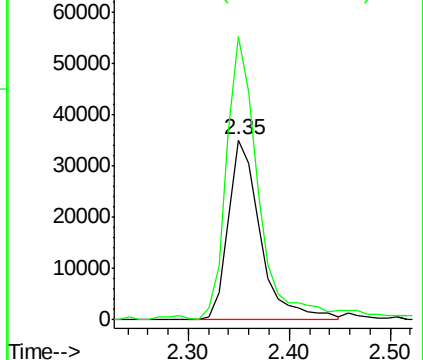
#8

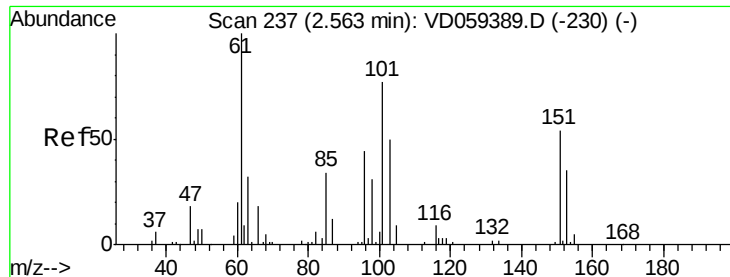
Diethyl Ether
Concen: 45.364 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 74 Resp: 77719
Ion Ratio Lower Upper
74 100
45 157.1 78.0 233.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.507 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.00 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

ClientSampleId :

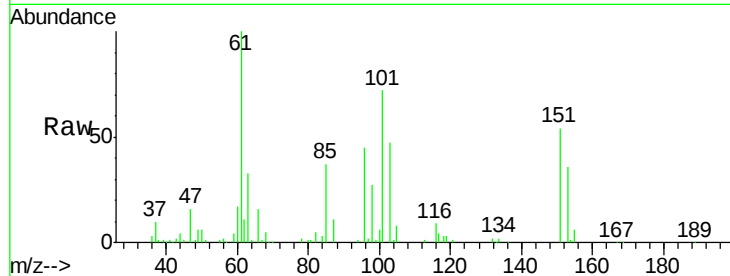
Tot Ion:101 Resp: 223531

Ion Ratio Lower Upper

101 100

85 51.3 35.7 53.5

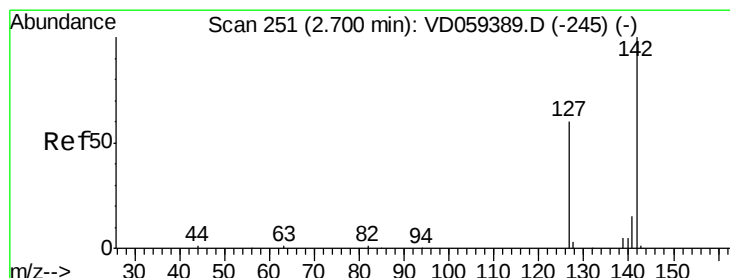
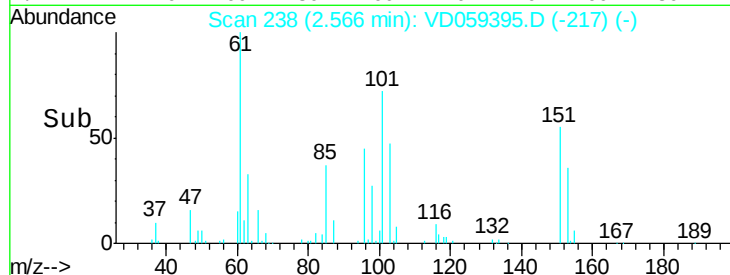
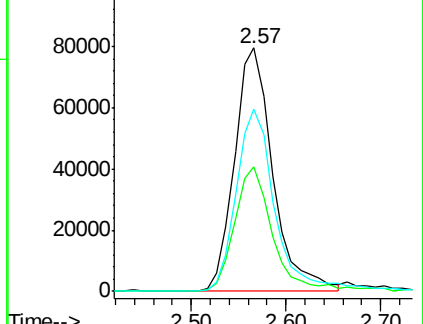
151 75.1 55.8 83.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.657 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.00 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

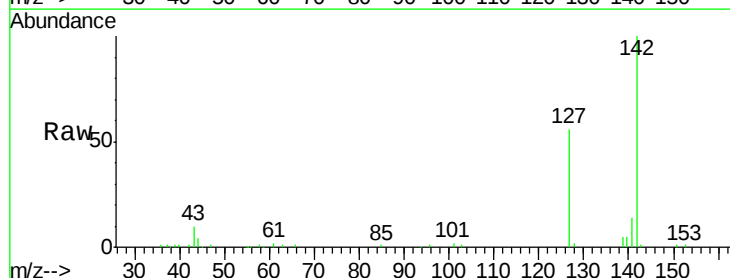
Tgt Ion:142 Resp: 278406

Ion Ratio Lower Upper

142 100

127 56.0 48.4 72.6

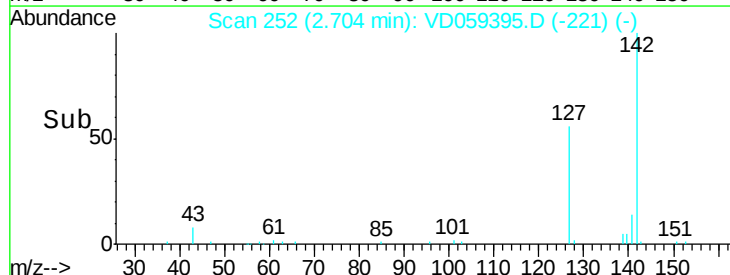
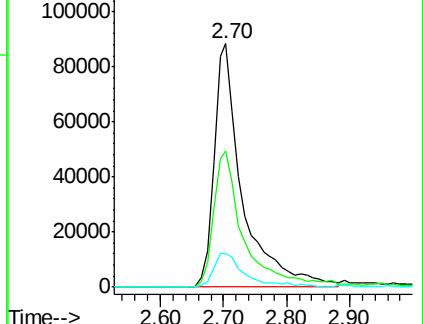
141 13.6 12.1 18.1

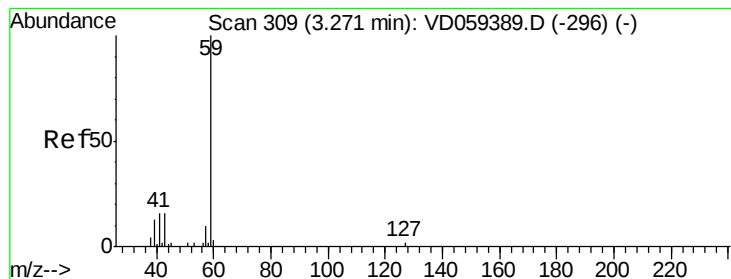


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



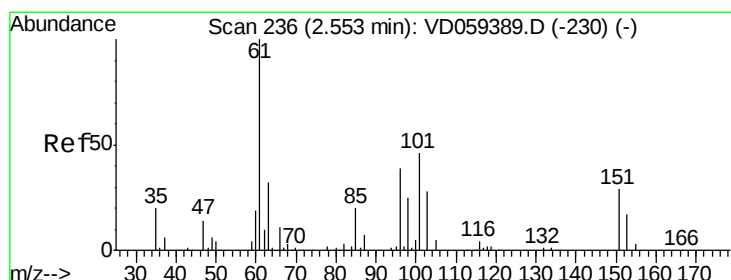
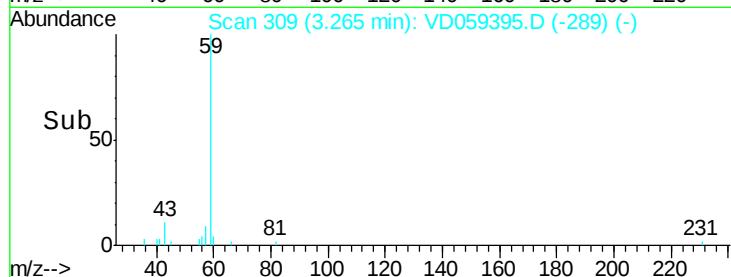
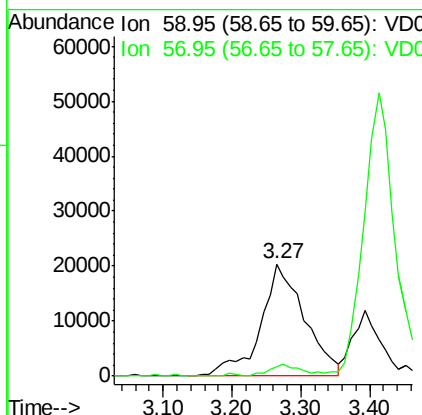
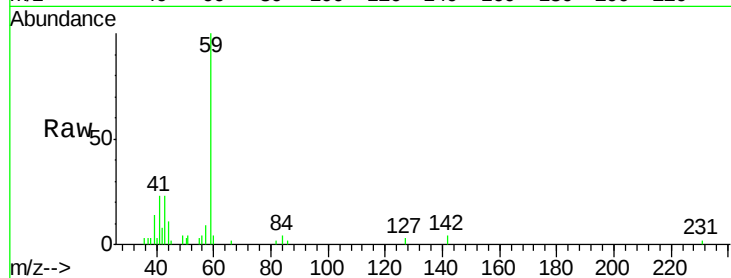


#11

Tert butyl alcohol
Concen: 234.698 ug/l
RT: 3.27 min Scan# 309
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampled :

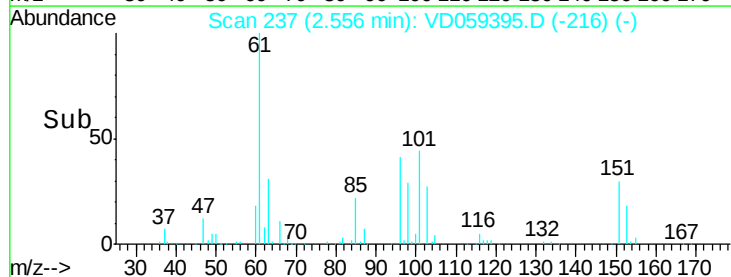
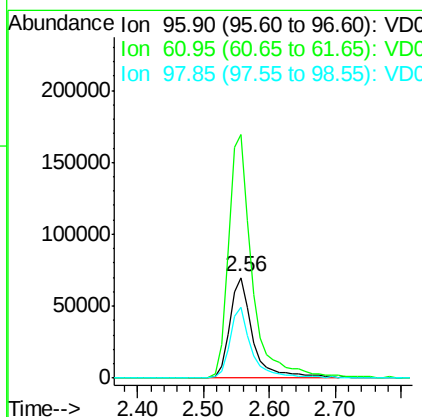
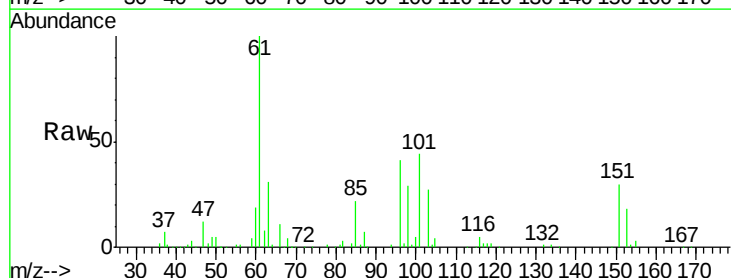
Tot Ion: 59 Resp: 90775
Ion Ratio Lower Upper
59 100
57 8.5 8.3 12.5

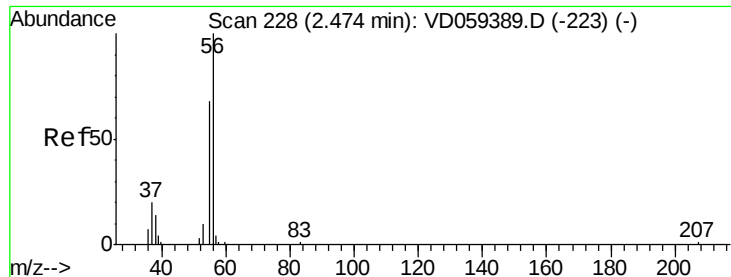


#12

1,1-Dichloroethene
Concen: 47.704 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 96 Resp: 171843
Ion Ratio Lower Upper
96 100
61 242.0 205.4 308.0
98 70.1 51.0 76.4





#13

Acrolein

Concen: 356.714 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

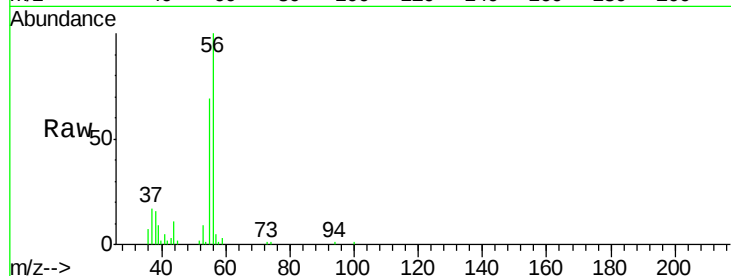
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 123340

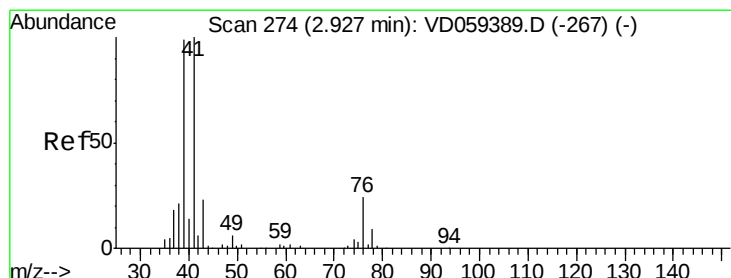
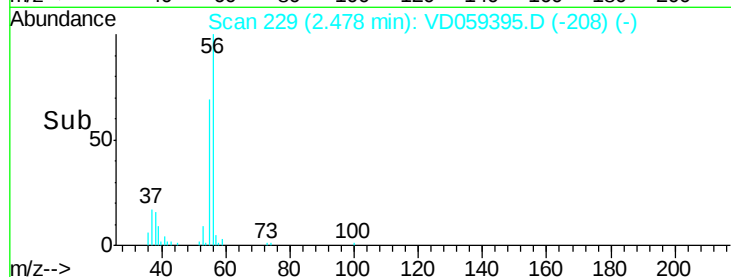
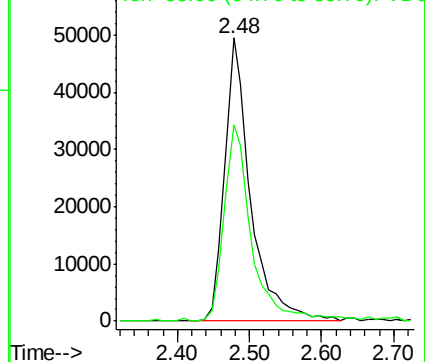
Ion Ratio Lower Upper

56 100

55 69.2 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.343 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

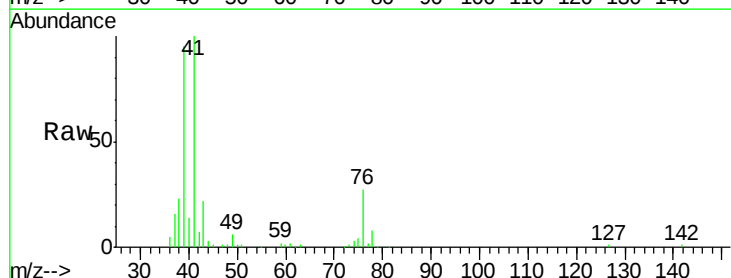
Tgt Ion: 41 Resp: 406852

Ion Ratio Lower Upper

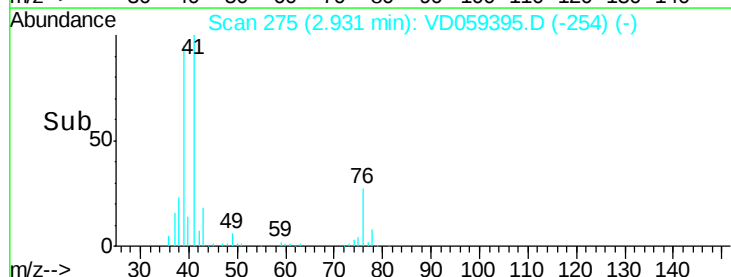
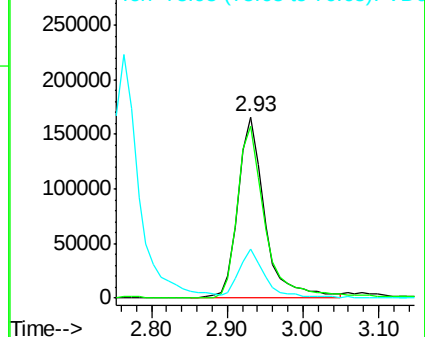
41 100

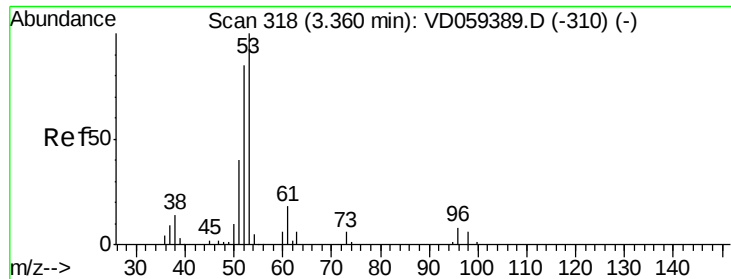
39 94.8 79.1 118.7

76 27.1 21.9 32.9



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 267.828 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

ClientSampleId :

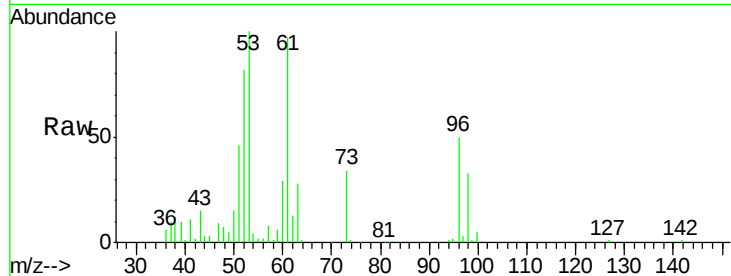
Tot Ion: 53 Resp: 317922

Ion Ratio Lower Upper

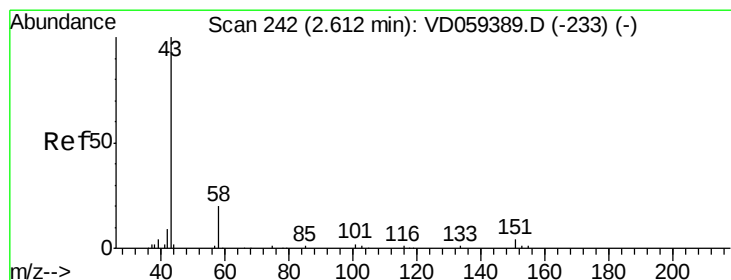
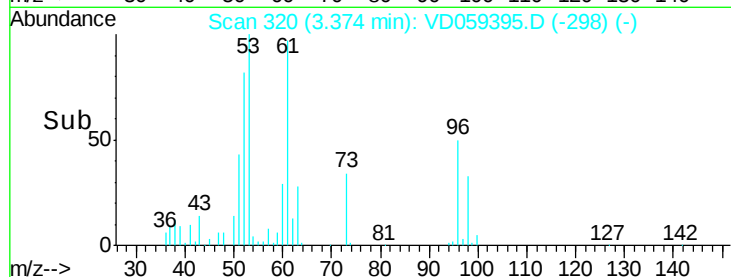
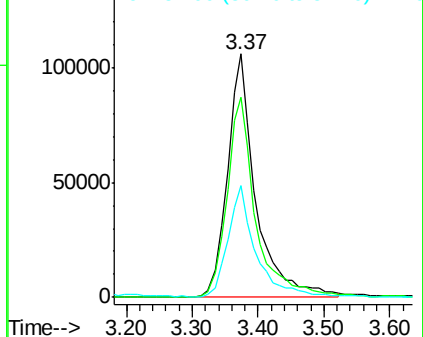
53 100

52 82.0 67.9 101.9

51 45.8 32.2 48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 287.334 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD059395.D

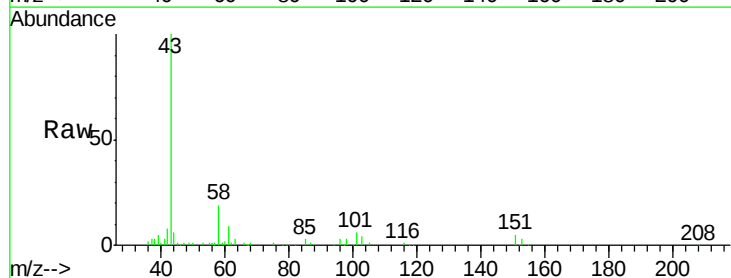
Acq: 25 Jun 2018 11:28

Tgt Ion: 43 Resp: 405435

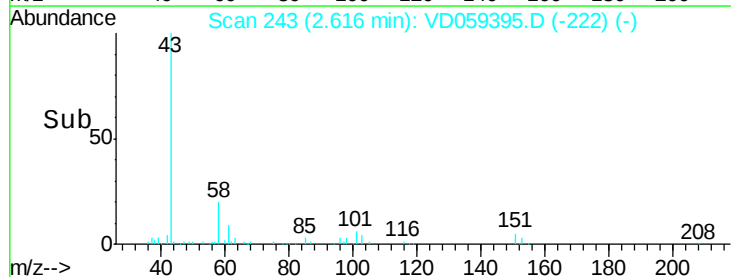
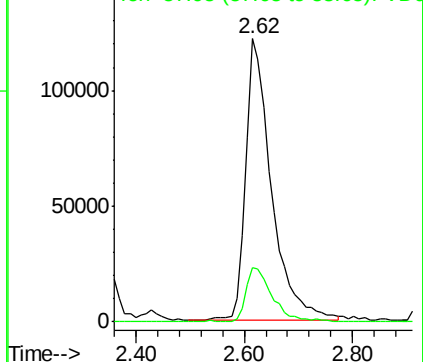
Ion Ratio Lower Upper

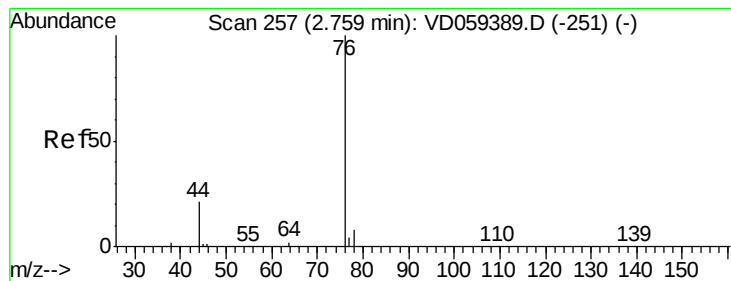
43 100

58 19.1 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 47.463 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

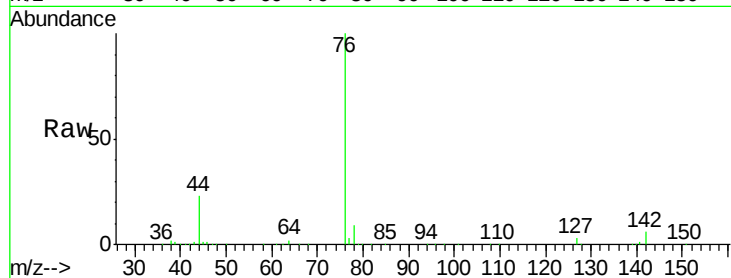
ClientSampleId :

Tot Ion: 76 Resp: 523646

Ion Ratio Lower Upper

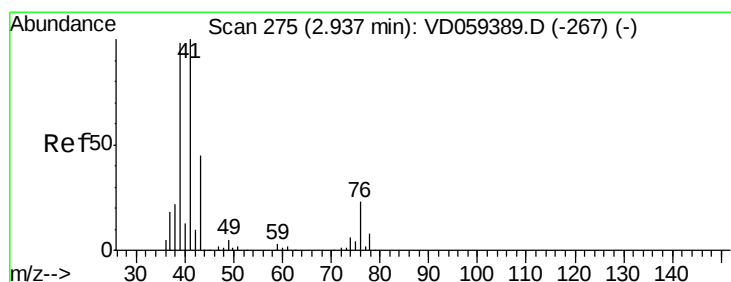
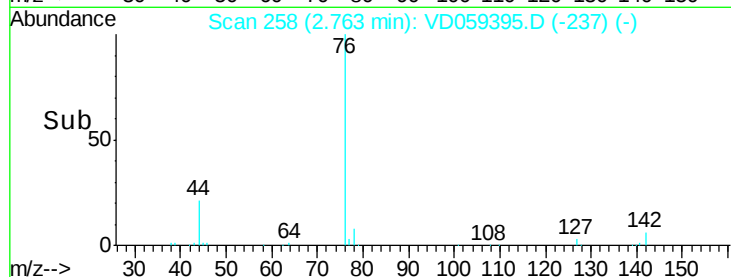
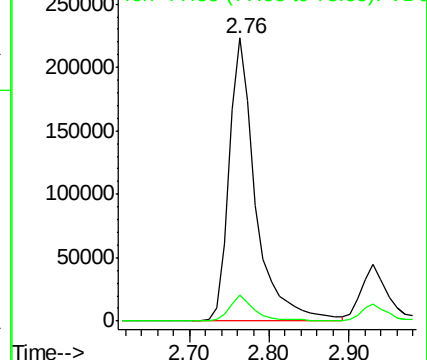
76 100

78 9.2 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 44.877 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.00 min

Lab File: VD059395.D

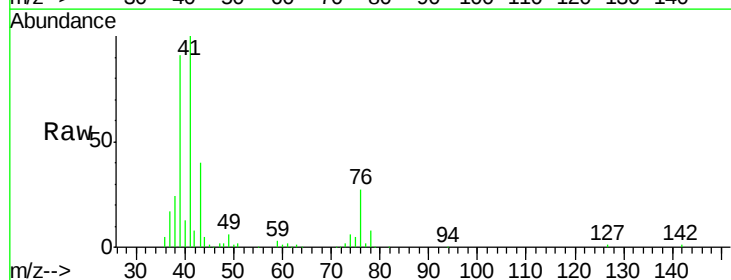
Acq: 25 Jun 2018 11:28

Tgt Ion: 43 Resp: 134922

Ion Ratio Lower Upper

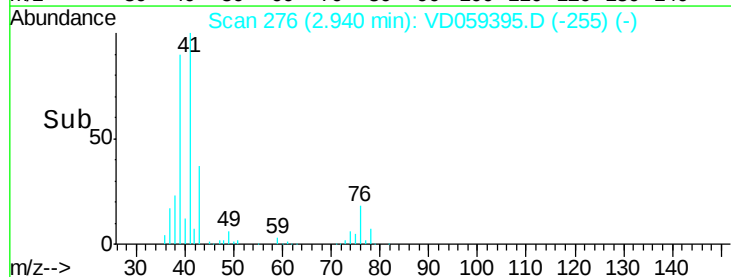
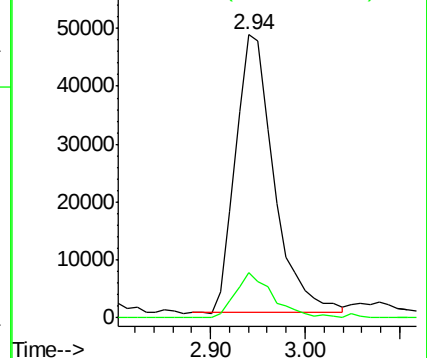
43 100

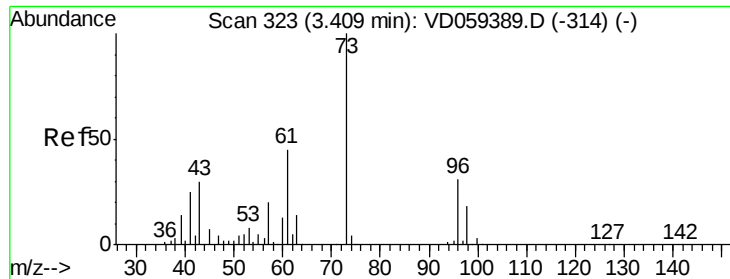
74 16.0 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

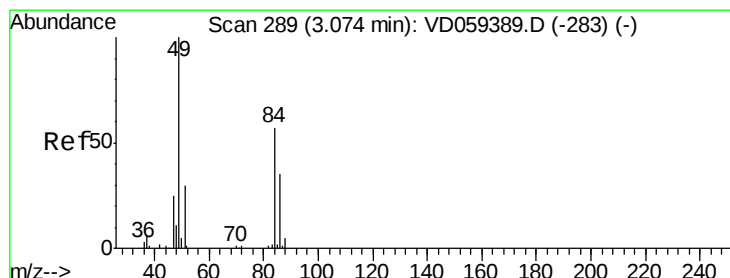
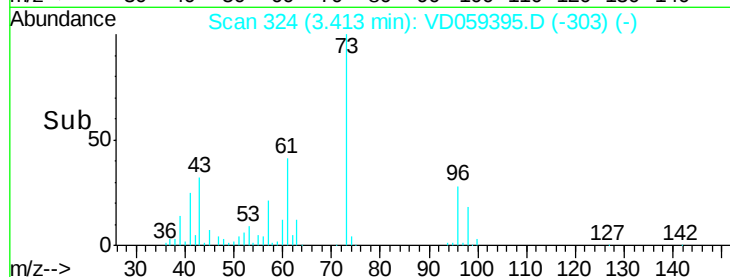
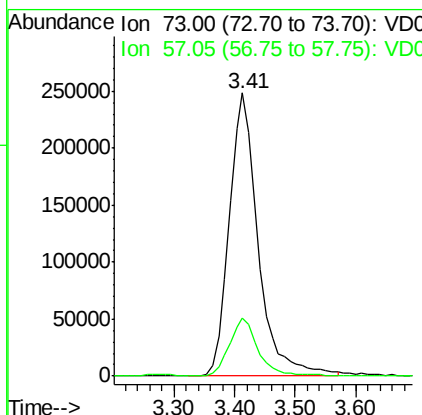
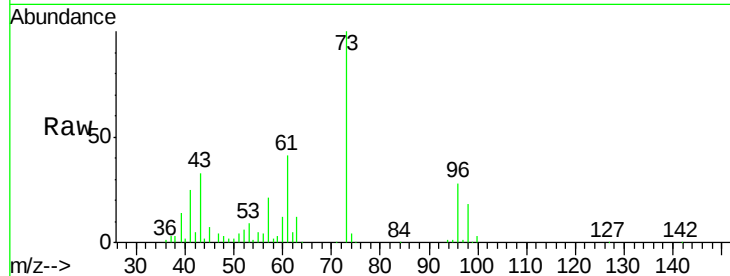




#19
Methvl tert-butvl Ether
Concen: 46.414 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

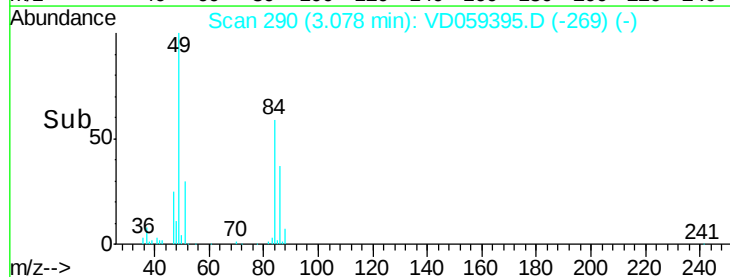
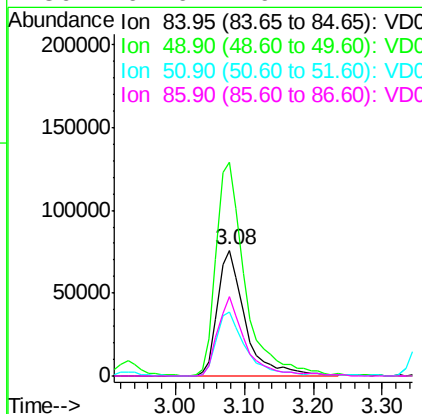
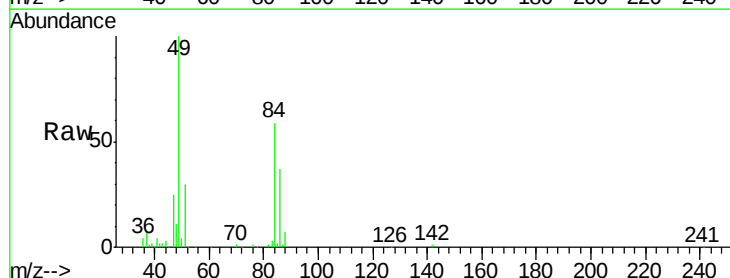
Instrument :
MSVOA_D
ClientSampled :

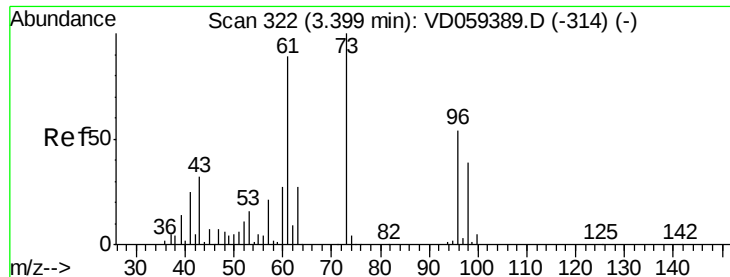
Tot Ion: 73 Resp: 822973
Ion Ratio Lower Upper
73 100
57 20.7 16.1 24.1



#20
Methylene Chloride
Concen: 54.380 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 84 Resp: 211945
Ion Ratio Lower Upper
84 100
49 169.8 140.3 210.5
51 50.7 41.6 62.4
86 62.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 56.935 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

ClientSampleId :

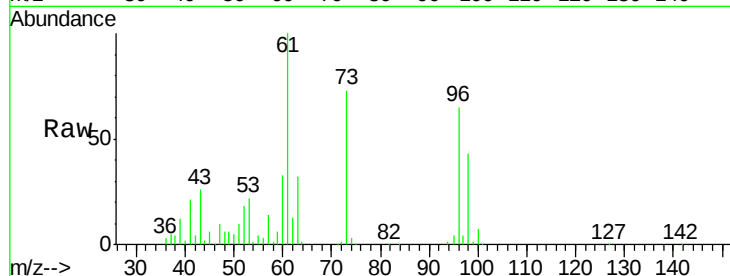
Tot Ion: 96 Resp: 362633

Ion Ratio Lower Upper

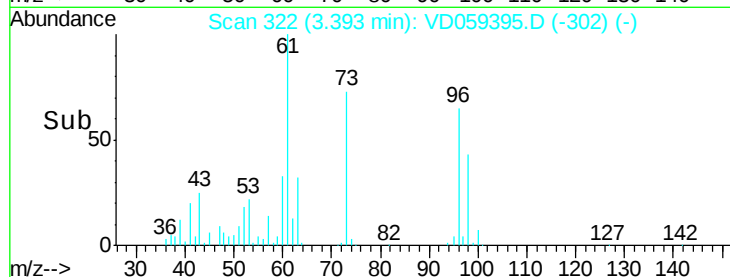
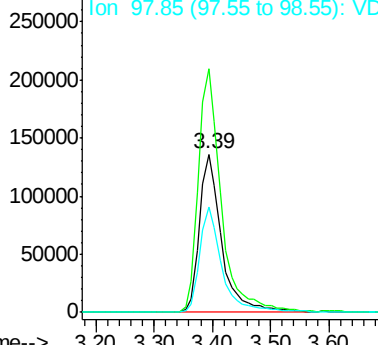
96 100

61 153.6 131.0 196.4

98 66.6 56.8 85.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 45.053 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Tgt Ion: 45 Resp: 1397678

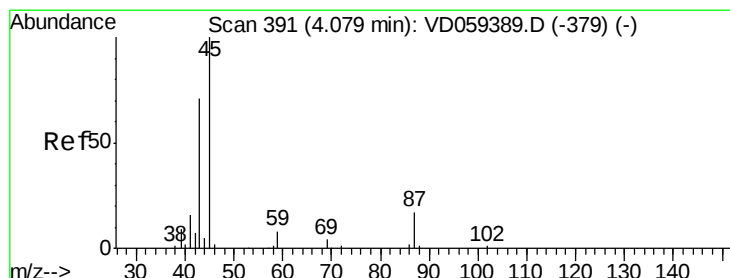
Ion Ratio Lower Upper

45 100

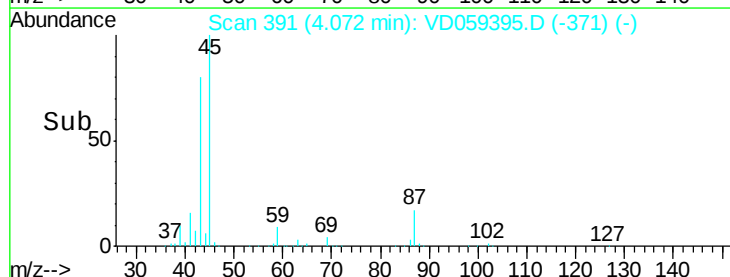
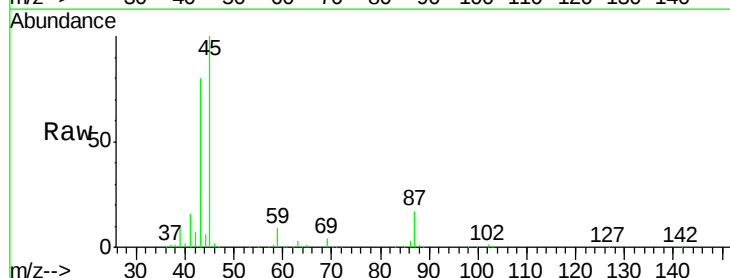
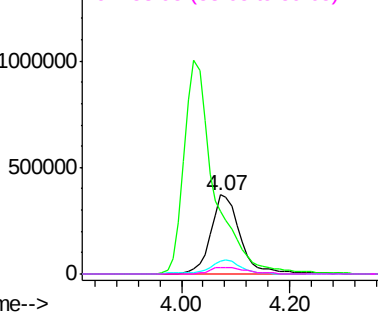
43 80.1 56.9 85.3

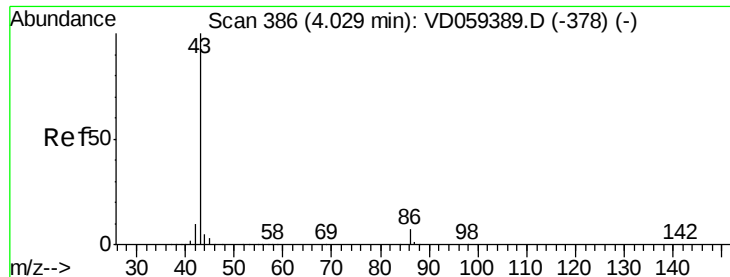
87 16.9 14.2 21.4

59 8.6 7.0 10.4



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 237.315 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

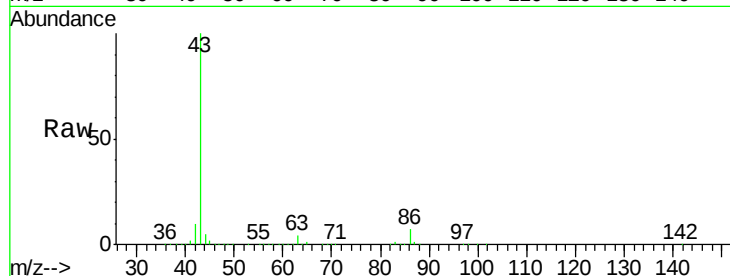
ClientSampled :

Tot Ion: 43 Resp: 3835877

Ion Ratio Lower Upper

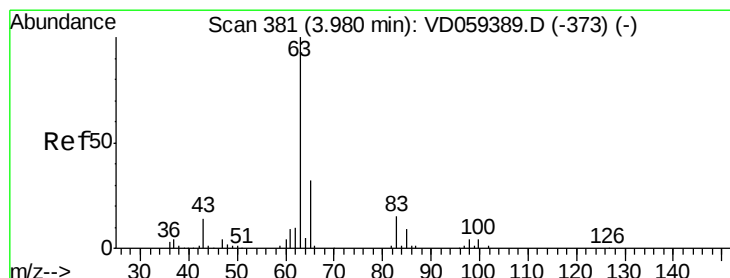
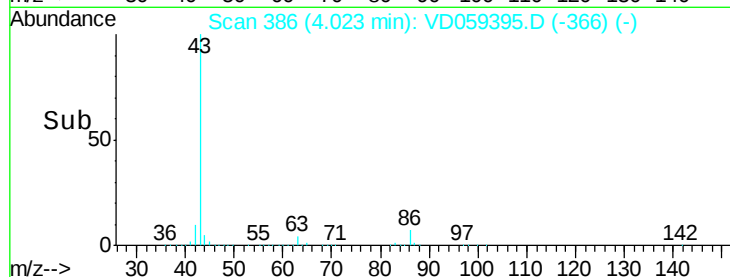
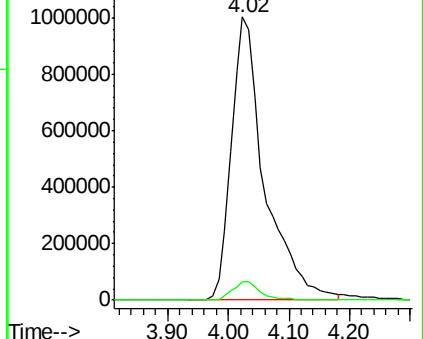
43 100

86 6.6 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 45.779 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

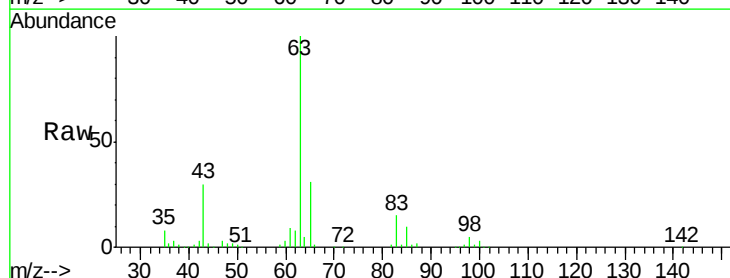
Tgt Ion: 63 Resp: 812657

Ion Ratio Lower Upper

63 100

98 5.1 2.1 6.5

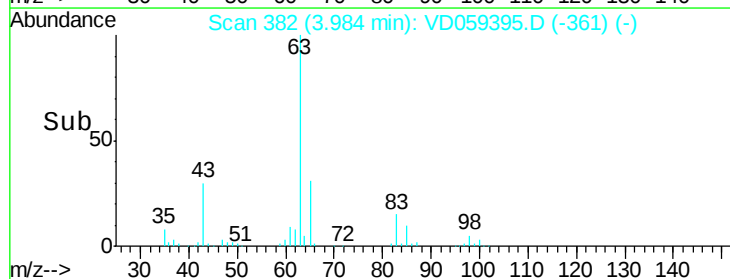
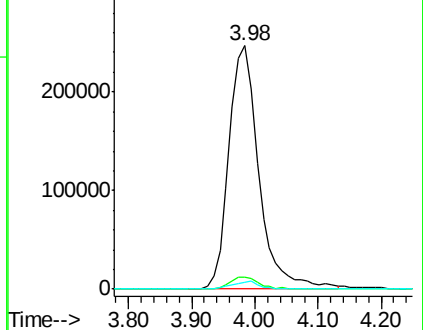
100 3.0 1.8 5.5

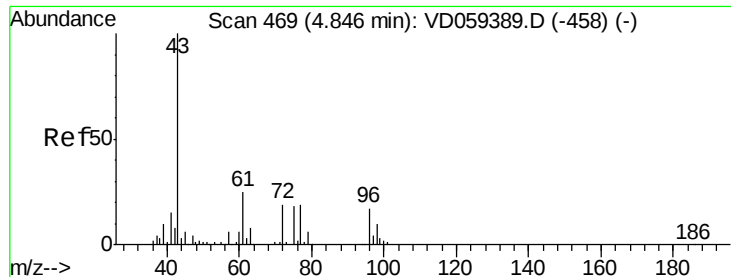


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 221.034 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

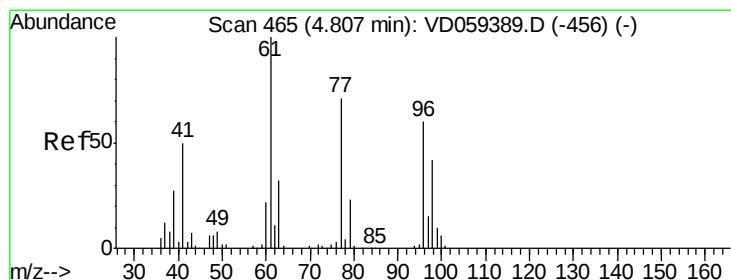
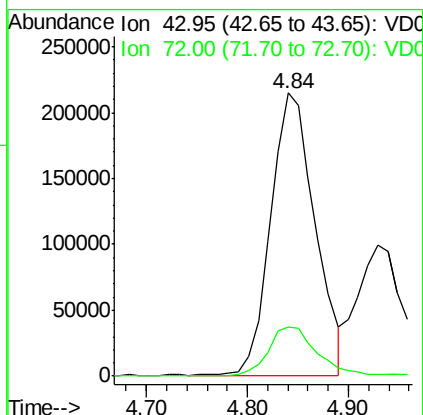
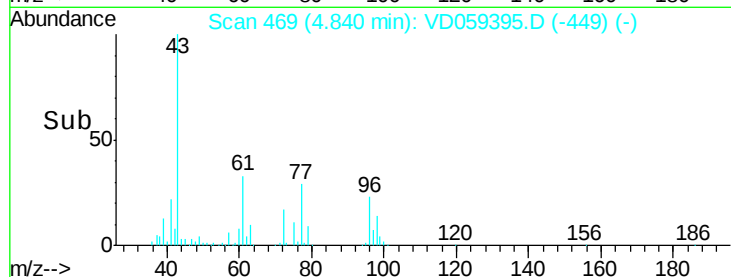
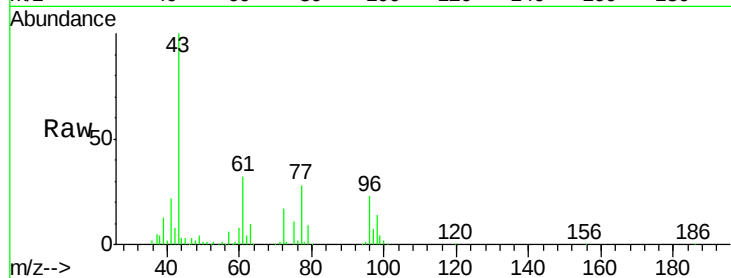
ClientSampled :

Tot Ion: 43 Resp: 653336

Ion Ratio Lower Upper

43 100

72 17.3 15.4 23.2



#26

2,2-Dichloropropane

Concen: 52.031 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059395.D

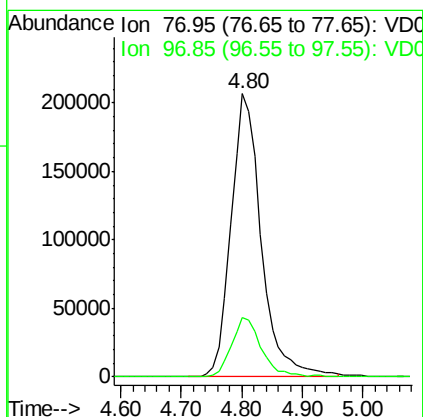
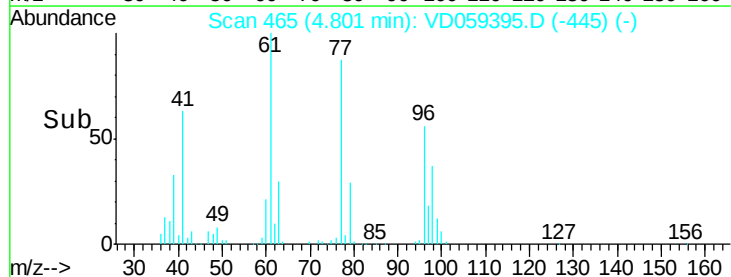
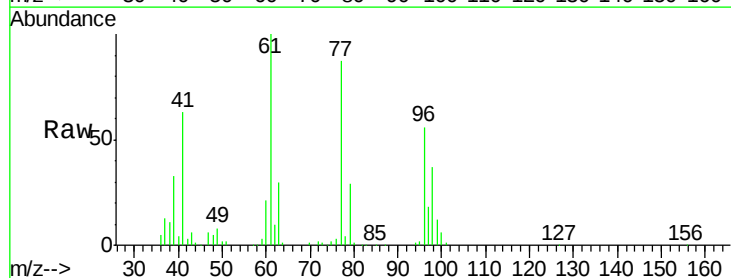
Acq: 25 Jun 2018 11:28

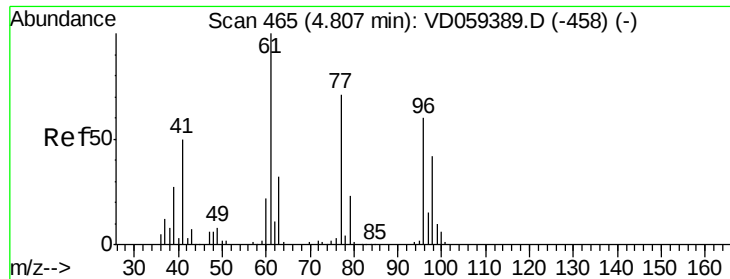
Tgt Ion: 77 Resp: 716290

Ion Ratio Lower Upper

77 100

97 20.8 10.7 32.1



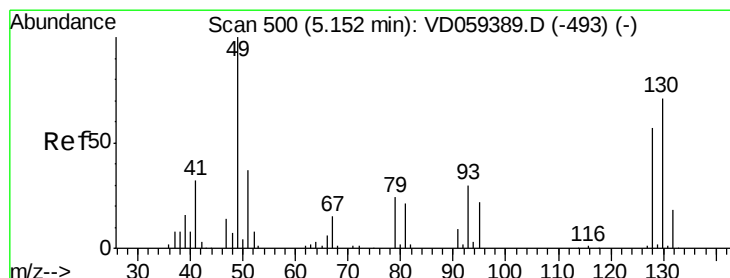
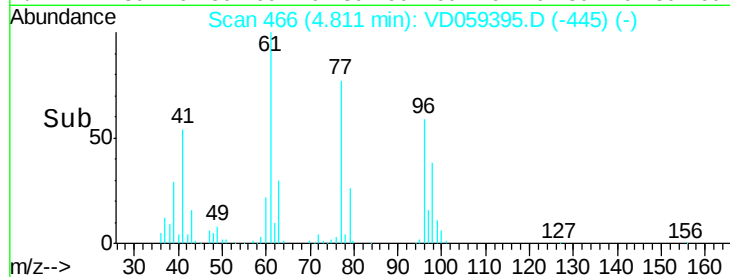
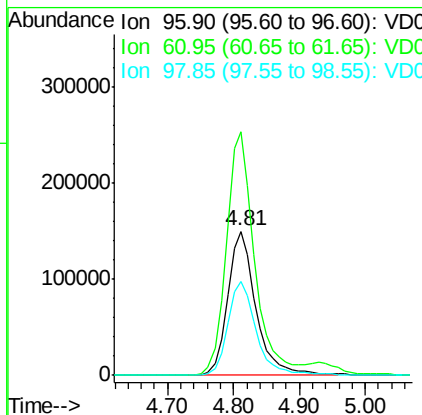
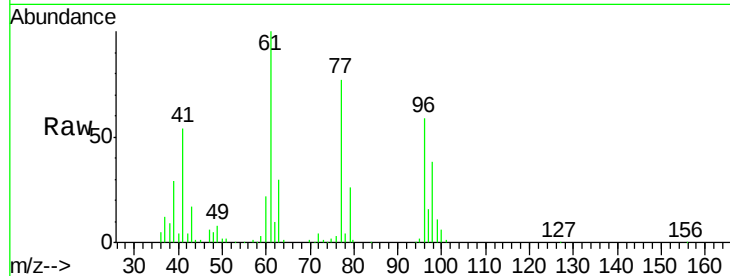


#27

cis-1,2-Dichloroethene
Concen: 42.024 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampleId :

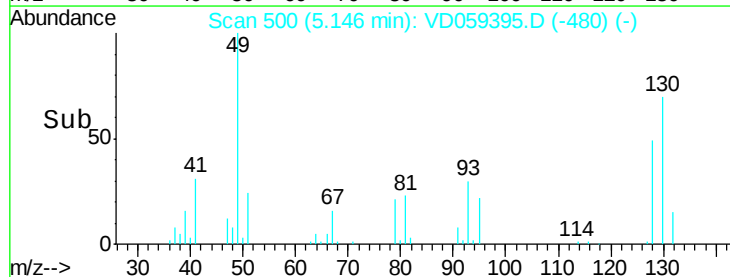
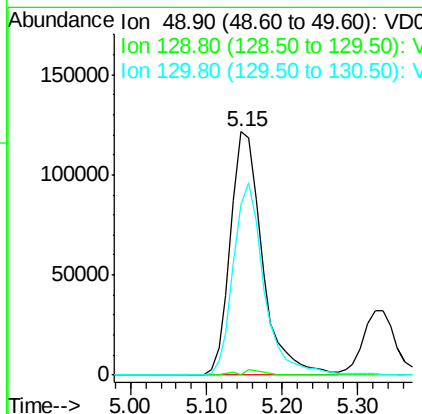
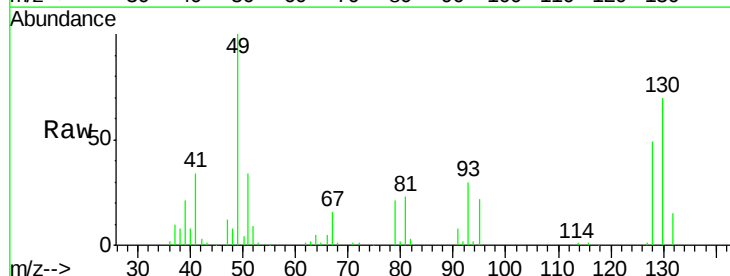
Tot Ion	96	Resp	449799
Ion	Ratio	Lower	Upper
96	100		
61	169.1	0.0	335.8
98	65.0	0.0	141.0

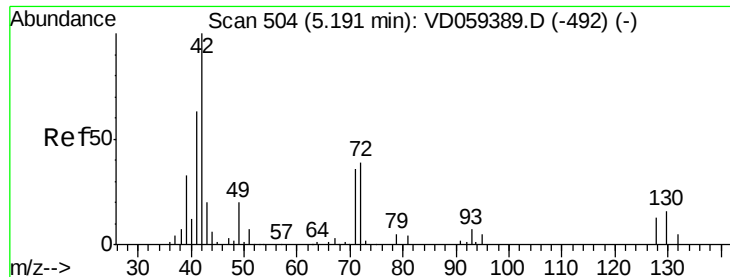


#28

Bromochloromethane
Concen: 46.147 ug/l
RT: 5.15 min Scan# 500
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion	49	Resp	355147
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	70.3	57.0	85.6

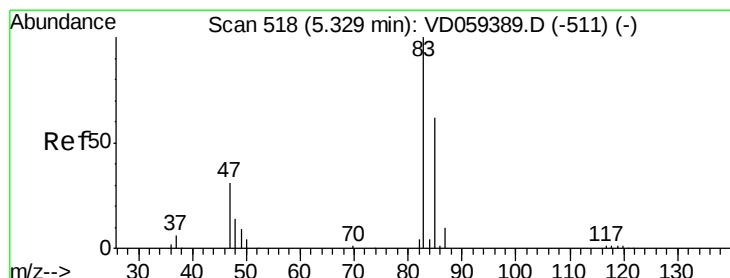
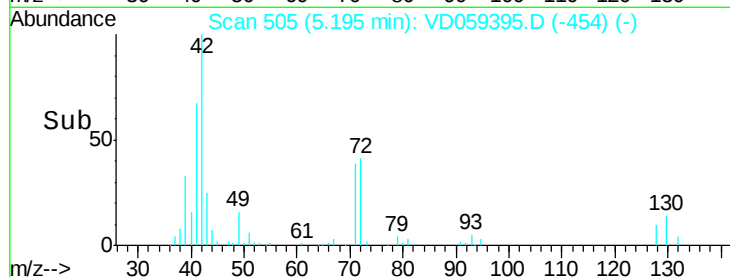
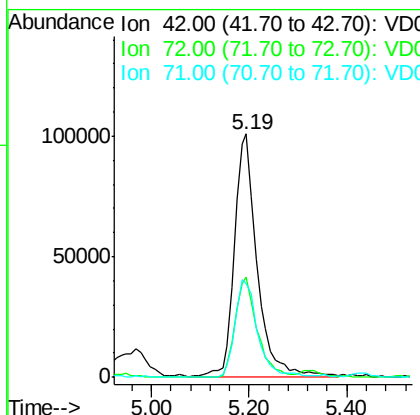
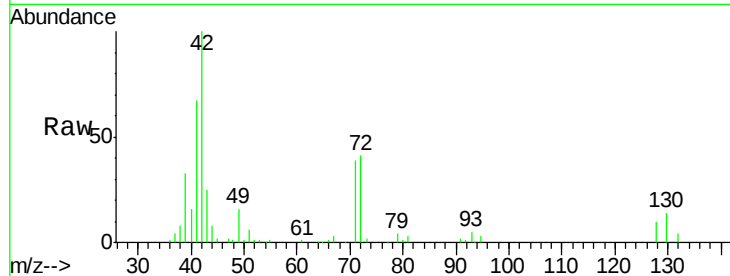




#29
Tetrahydrofuran
Concen: 199.958 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

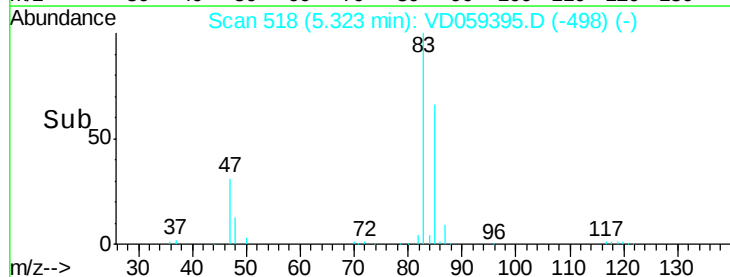
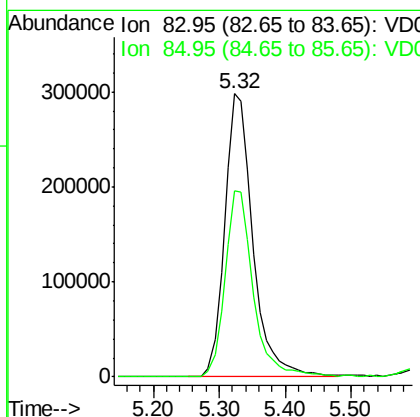
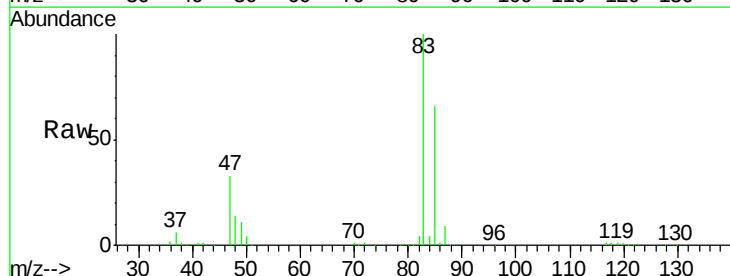
Instrument :
MSVOA_D
ClientSampleId :

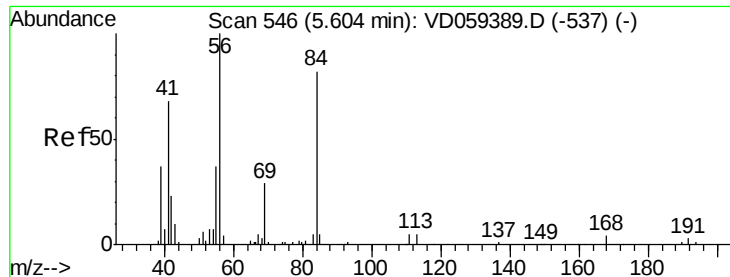
Tot Ion: 42 Resp: 323290
Ion Ratio Lower Upper
42 100
72 40.3 31.4 47.2
71 40.7 29.7 44.5



#30
Chloroform
Concen: 46.059 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 83 Resp: 891182
Ion Ratio Lower Upper
83 100
85 65.8 49.3 73.9

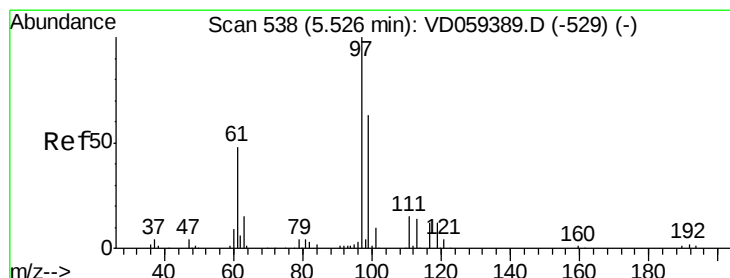
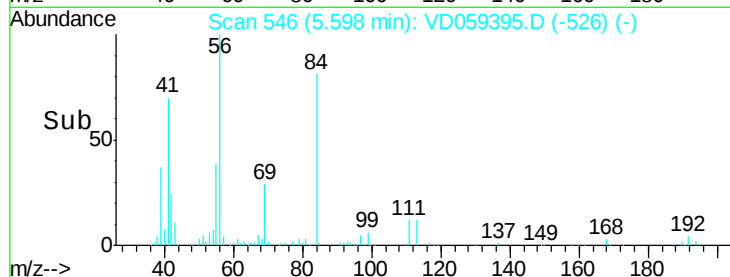
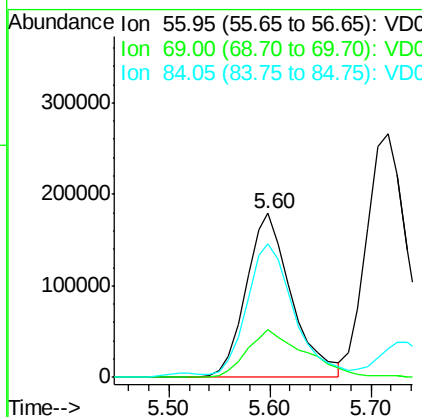
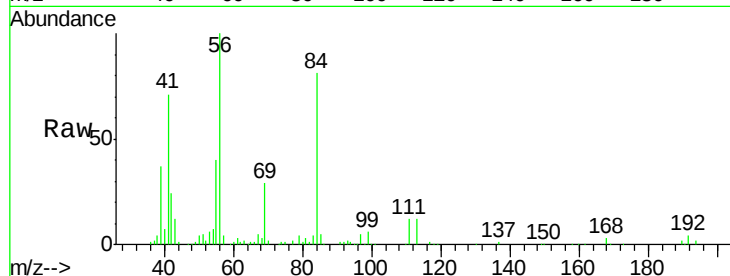




#31
Cyclohexane
Concen: 47.701 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

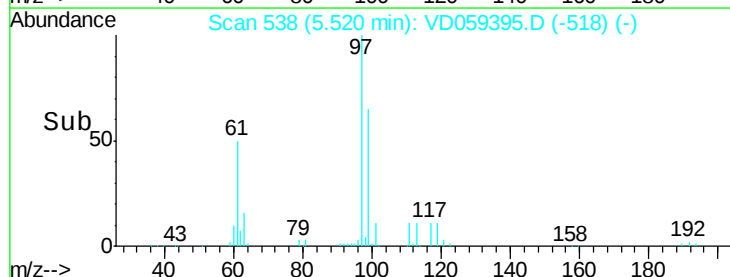
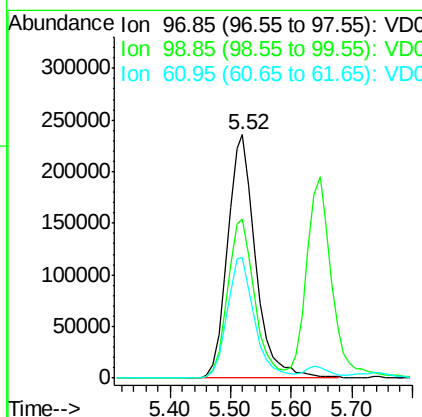
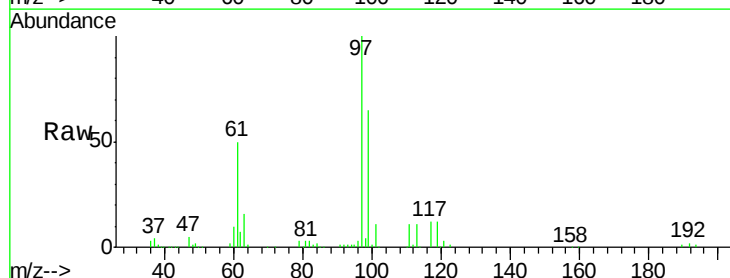
Instrument :
MSVOA_D
ClientSampleId :

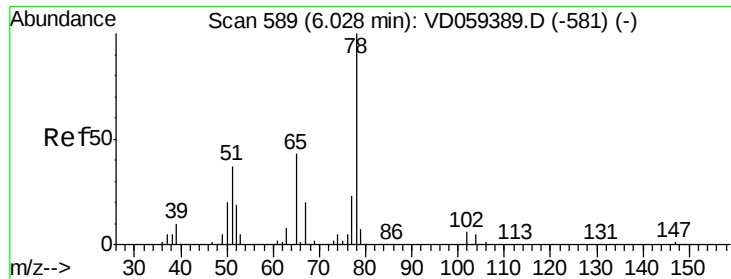
Tot Ion: 56 Resp: 560864
Ion Ratio Lower Upper
56 100
69 29.4 22.9 34.3
84 81.2 67.3 100.9



#32
1,1,1-Trichloroethane
Concen: 47.986 ug/l
RT: 5.52 min Scan# 538
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 97 Resp: 751843
Ion Ratio Lower Upper
97 100
99 65.5 50.2 75.4
61 49.6 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 47.986 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

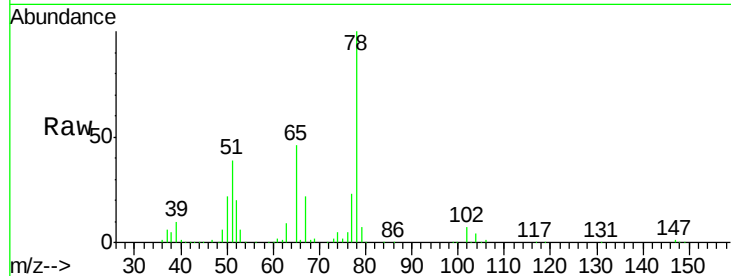
ClientSampleId :

Tot Ion: 65 Resp: 532505

Ion Ratio Lower Upper

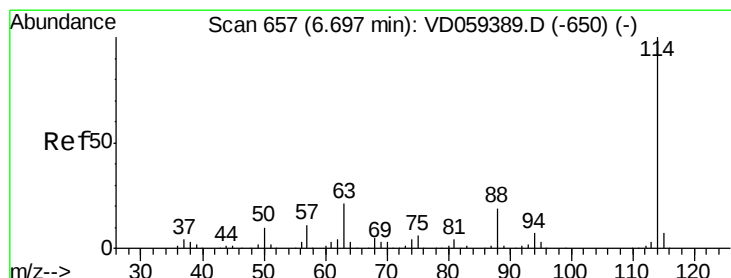
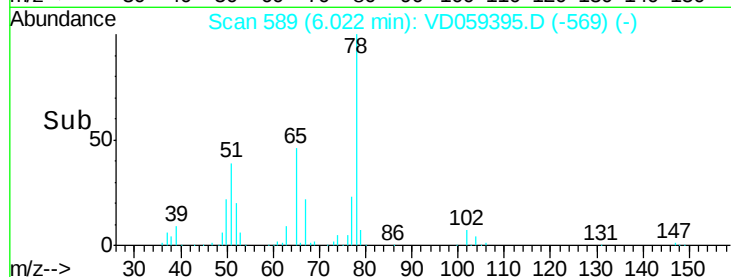
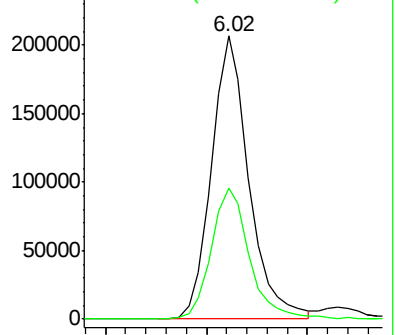
65 100

67 46.4 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

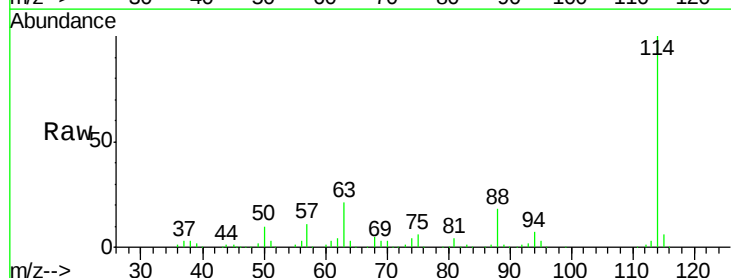
Tgt Ion: 114 Resp: 1381071

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

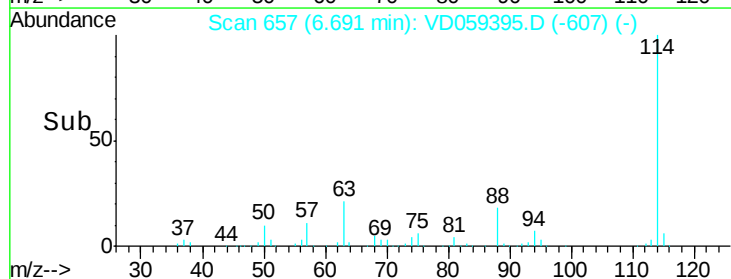
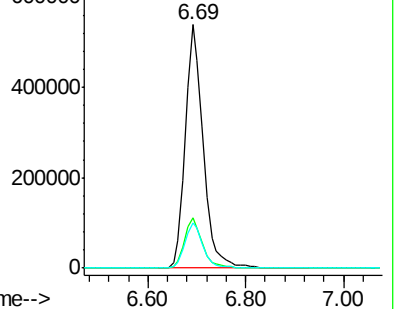
88 18.4 0.0 38.0

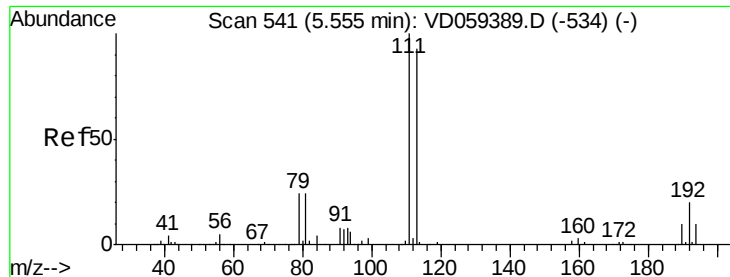


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

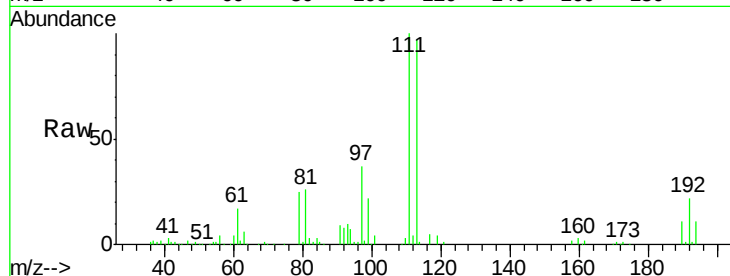




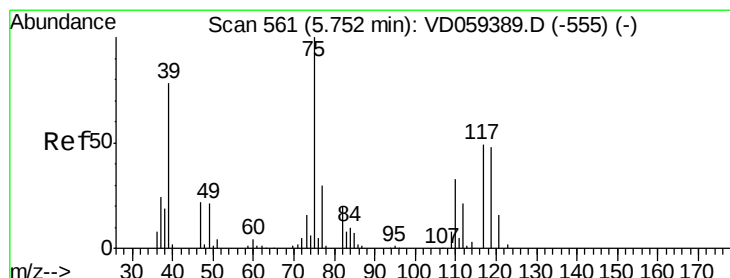
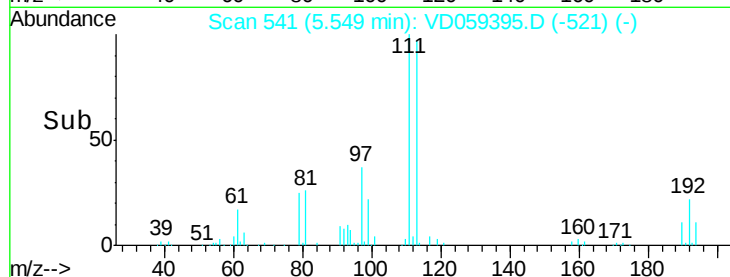
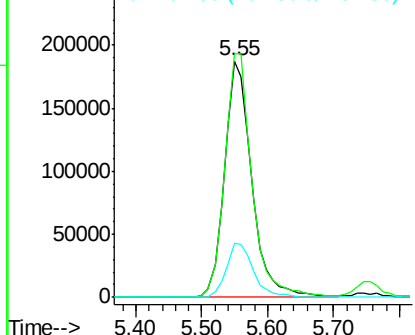
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 545464
Ion Ratio Lower Upper
113 100
111 102.9 85.7 128.5
192 22.9 16.9 25.3

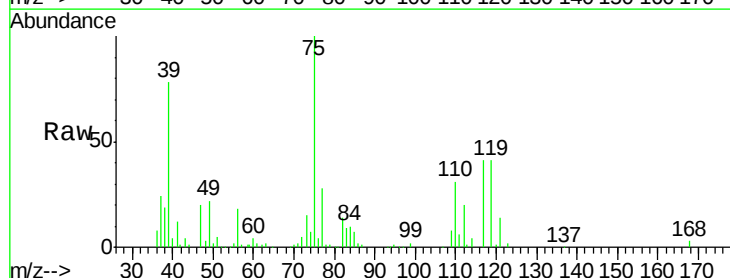


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

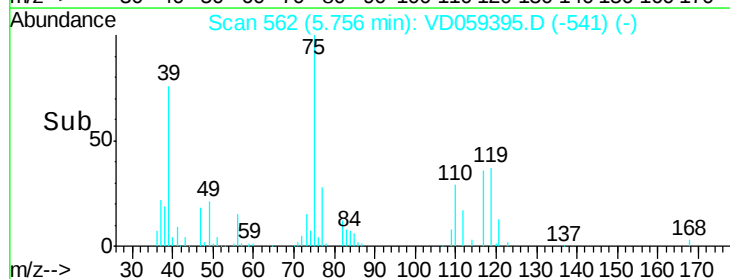
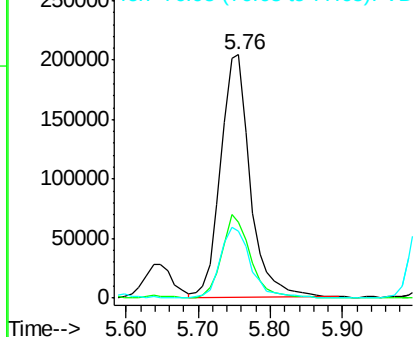


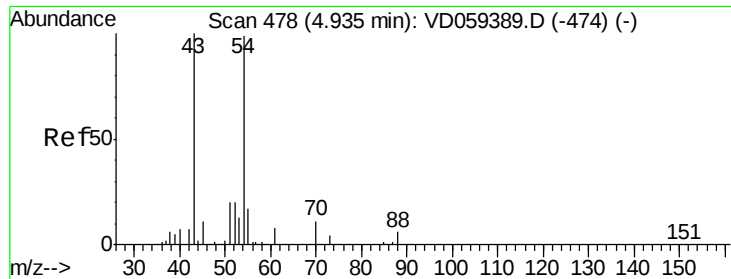
#36
1,1-Dichloropropene
Concen: 46.069 ug/l
RT: 5.76 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 75 Resp: 577162
Ion Ratio Lower Upper
75 100
110 31.2 16.1 48.2
77 27.7 23.4 35.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

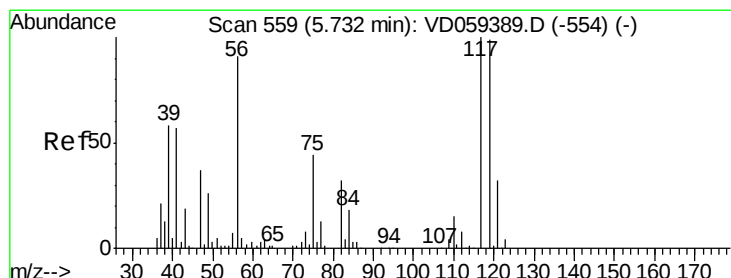
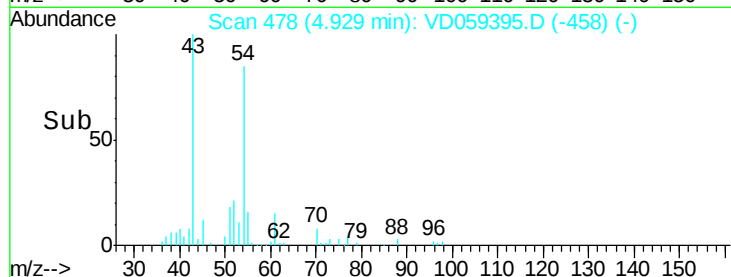
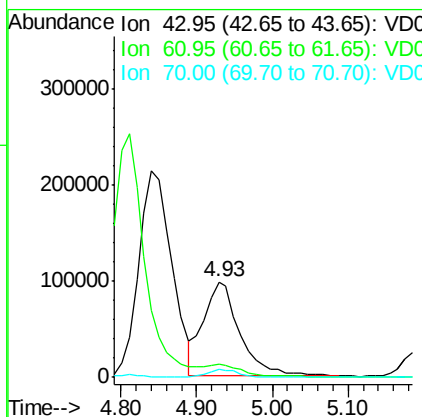
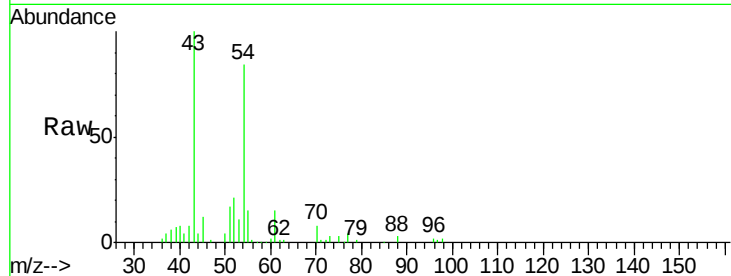




#37
Ethyl Acetate
Concen: 42.797 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

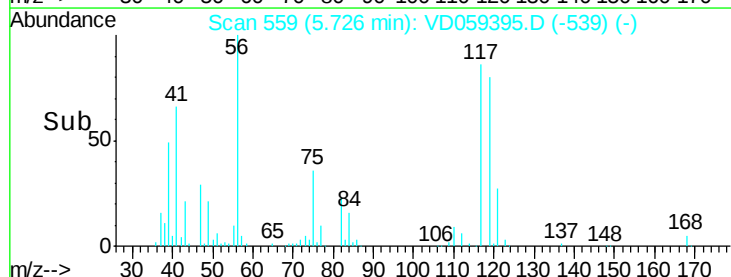
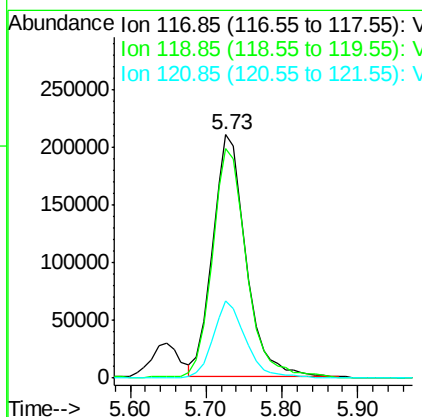
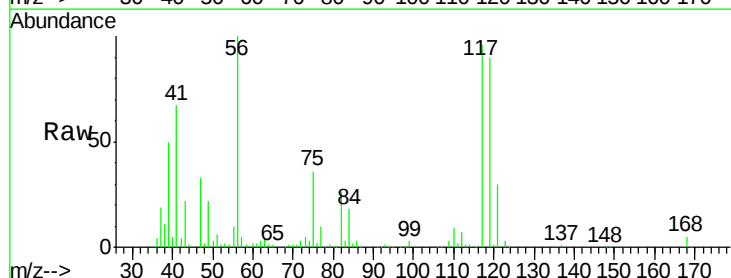
Instrument :
MSVOA_D
ClientSampleId :

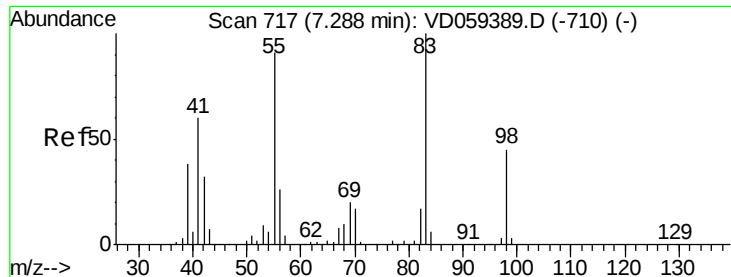
Tot Ion: 43 Resp: 326526
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.8
70 8.1 6.1 9.1



#38
Carbon Tetrachloride
Concen: 49.328 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 117 Resp: 637164
Ion Ratio Lower Upper
117 100
119 94.5 76.6 115.0
121 31.8 25.0 37.4

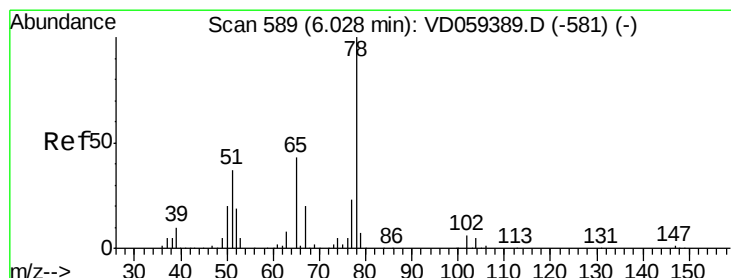
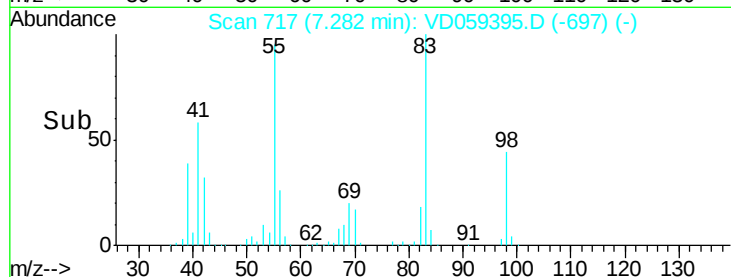
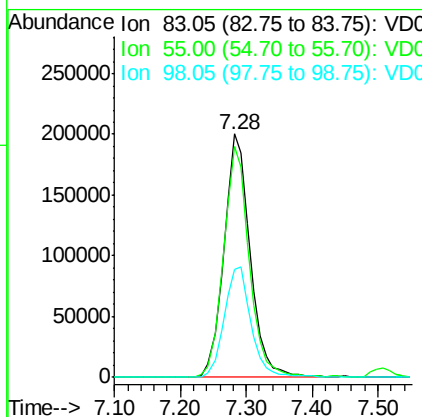
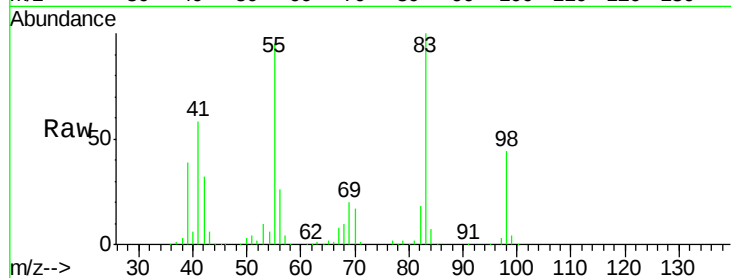




#39
Methvlcvclohexane
Concen: 46.943 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

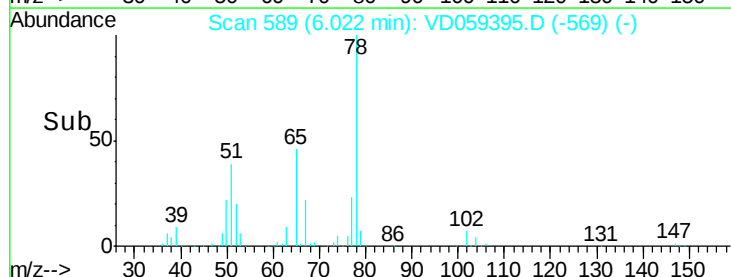
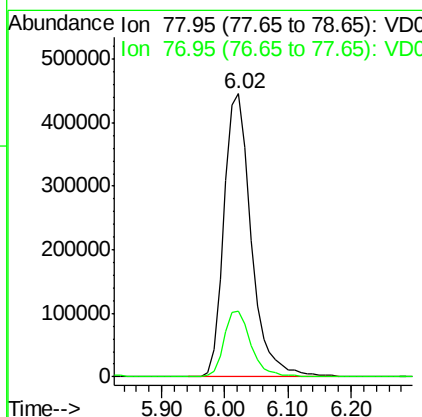
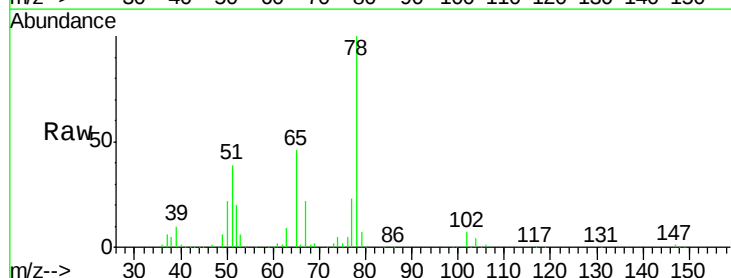
Instrument :
MSVOA_D
ClientSampleId :

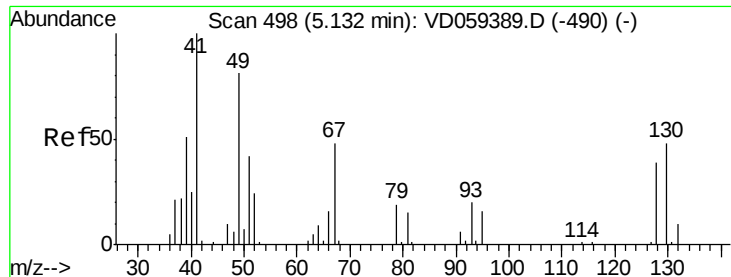
Tot Ion: 83 Resp: 557796
Ion Ratio Lower Upper
83 100
55 94.8 72.6 109.0
98 44.3 35.8 53.6



#40
Benzene
Concen: 44.592 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 78 Resp: 1340651
Ion Ratio Lower Upper
78 100
77 23.3 18.1 27.1





#41

Methacrylonitrile

Concen: 42.040 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 154492

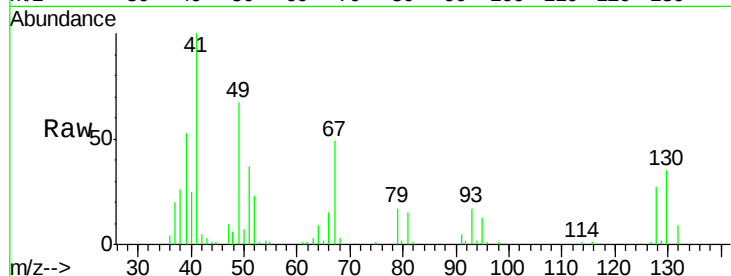
Ion Ratio Lower Upper

41 100

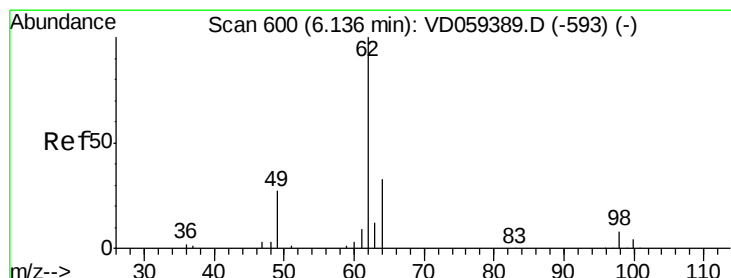
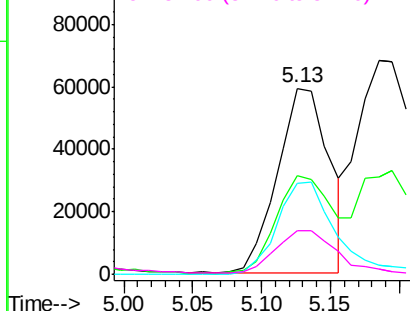
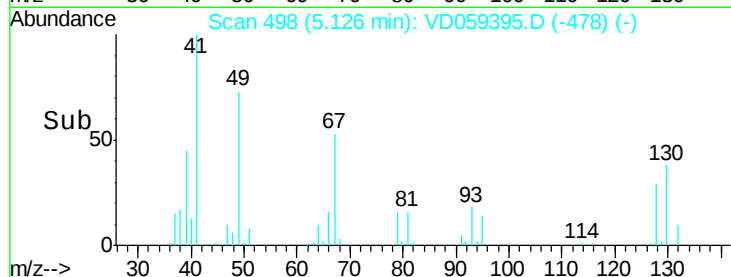
39 53.3 41.5 62.3

67 48.7 38.7 58.1

52 23.2 19.4 29.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 45.726 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD059395.D

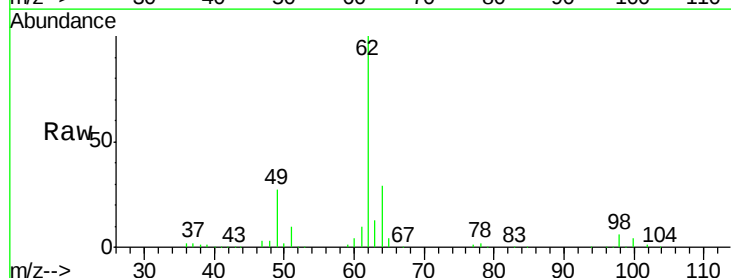
Acq: 25 Jun 2018 11:28

Tgt Ion: 62 Resp: 607429

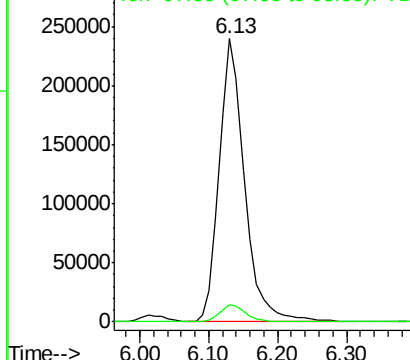
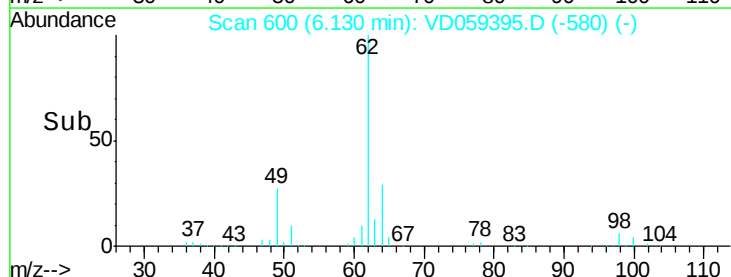
Ion Ratio Lower Upper

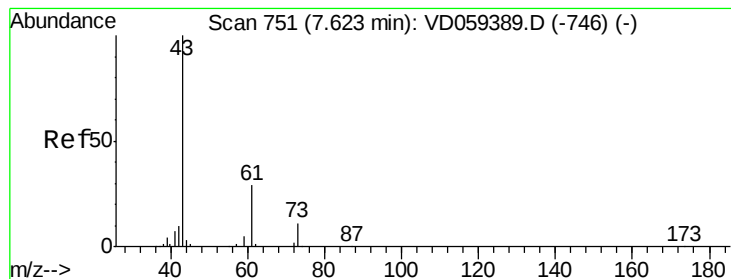
62 100

98 6.2 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



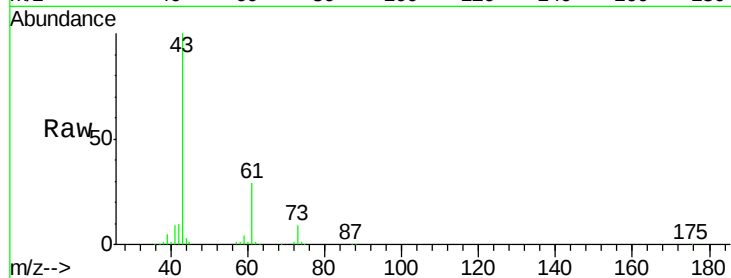


#43

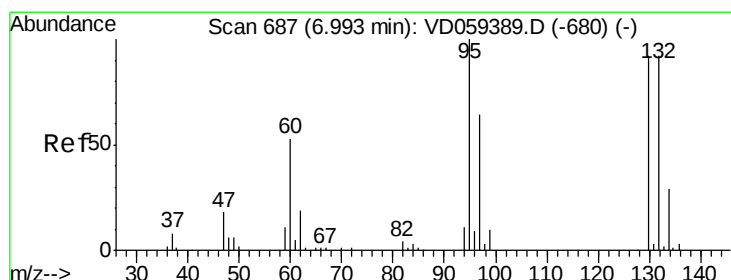
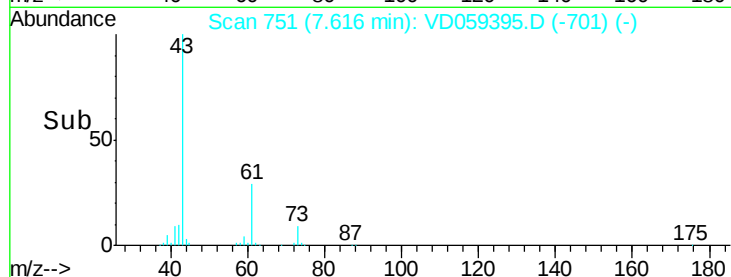
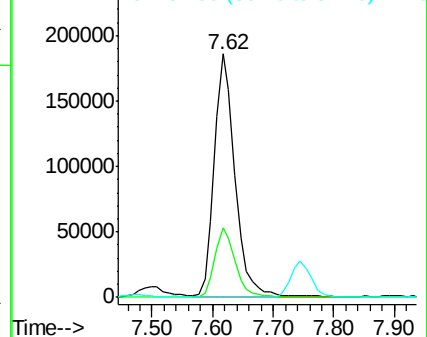
Isopropyl Acetate
 Concen: 46.221 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 442866
 Ion Ratio Lower Upper
 43 100
 61 28.7 23.1 34.7
 87 0.3 0.2 0.4



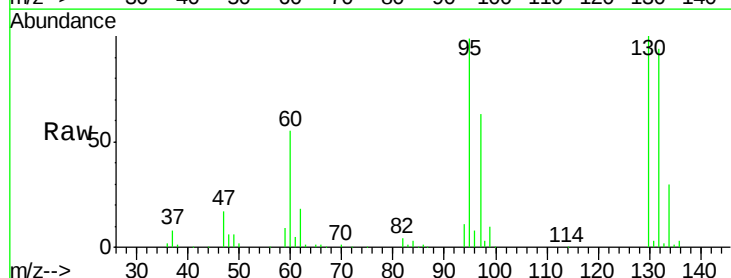
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



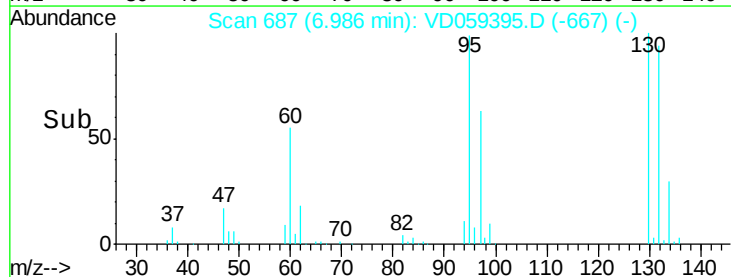
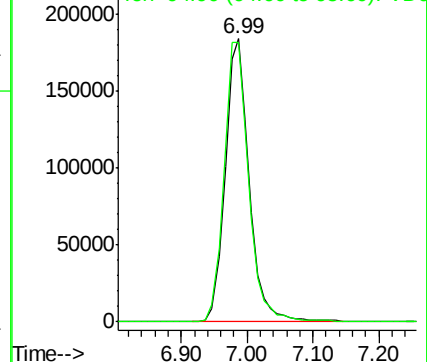
#44

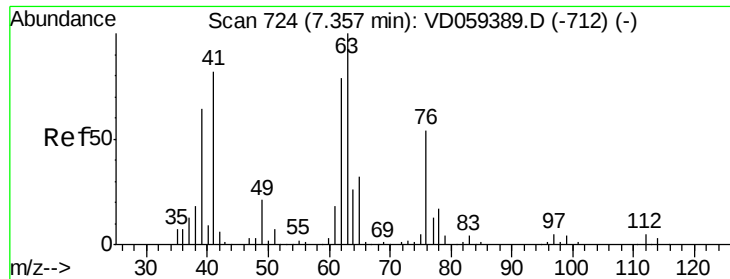
Trichloroethene
 Concen: 47.400 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Tgt Ion:130 Resp: 466607
 Ion Ratio Lower Upper
 130 100
 95 98.8 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 45.220 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

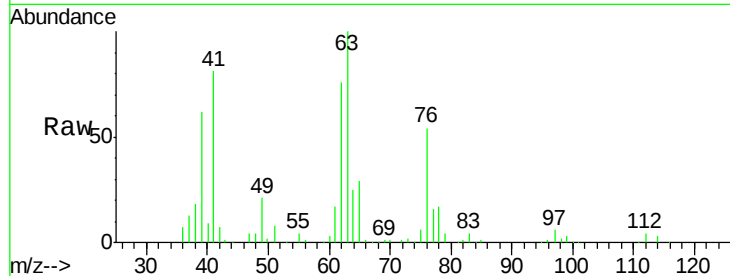
ClientSampled :

Tot Ion: 63 Resp: 376542

Ion Ratio Lower Upper

63 100

65 29.3 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.35

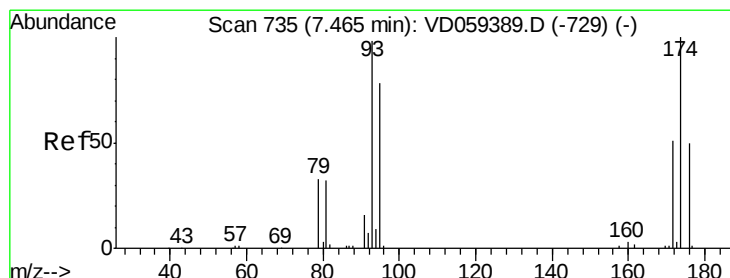
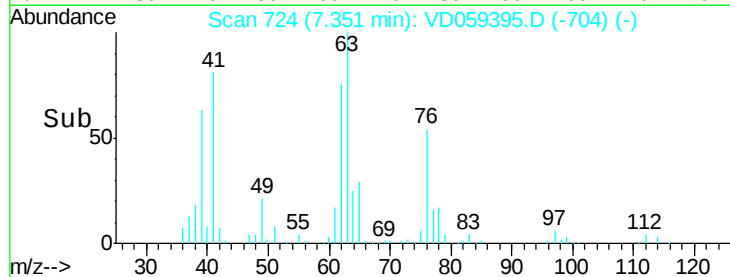
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 46.102 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

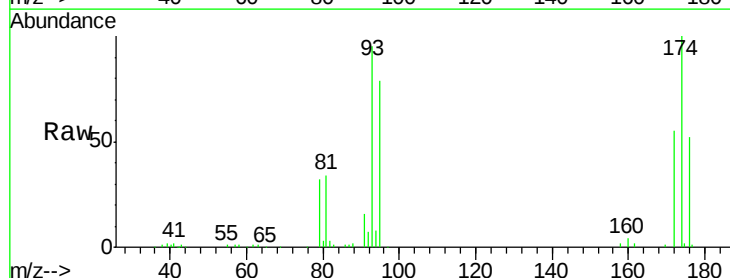
Tgt Ion: 93 Resp: 276078

Ion Ratio Lower Upper

93 100

95 82.9 63.4 95.0

174 105.6 81.4 122.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

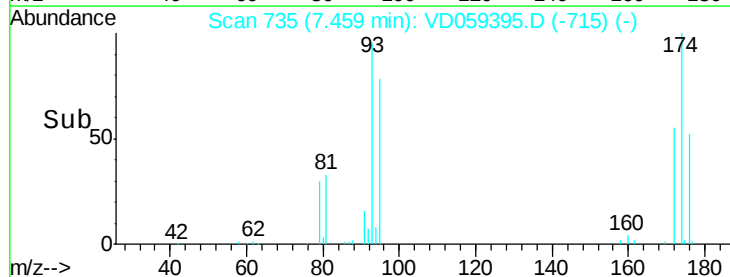
150000

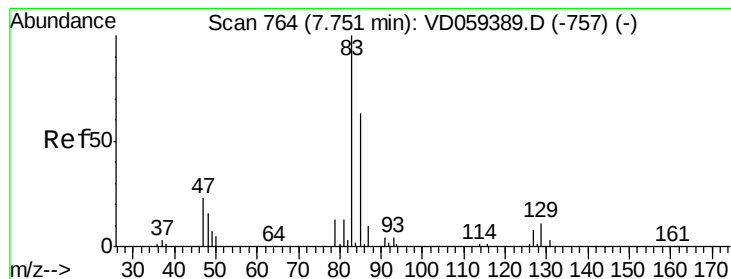
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.281 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

ClientSampleId :

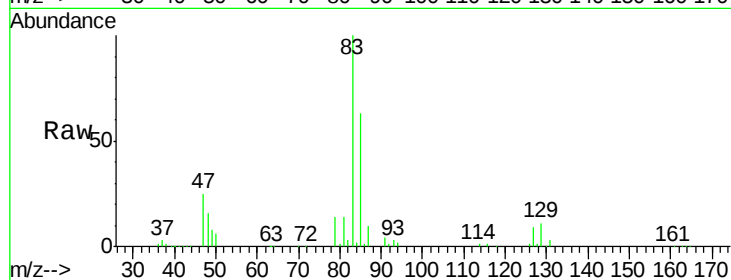
Tot Ion: 83 Resp: 646940

Ion Ratio Lower Upper

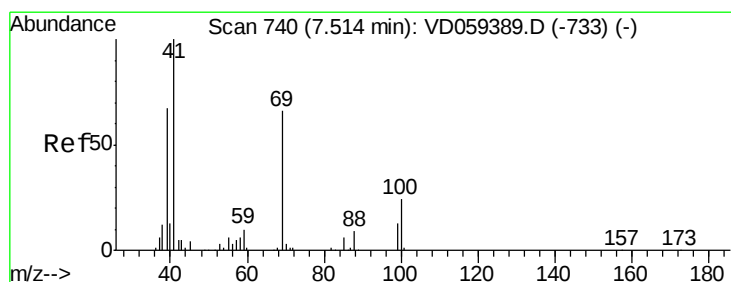
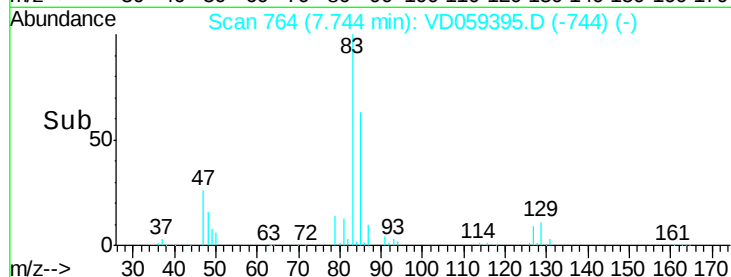
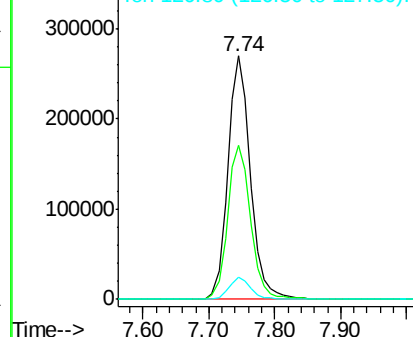
83 100

85 63.4 50.1 75.1

127 8.8 6.1 9.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 43.774 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

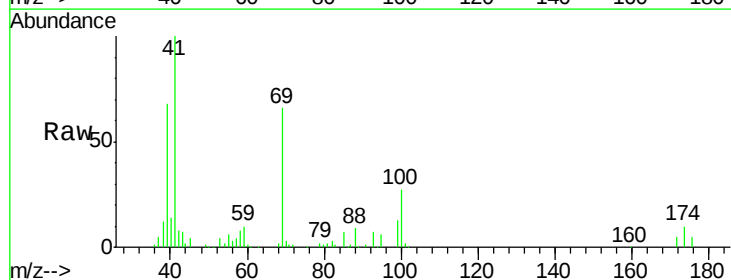
Tgt Ion: 41 Resp: 255526

Ion Ratio Lower Upper

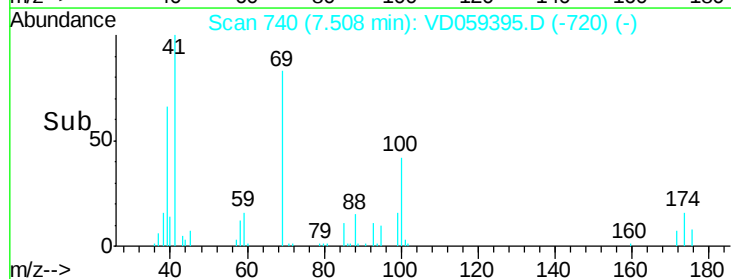
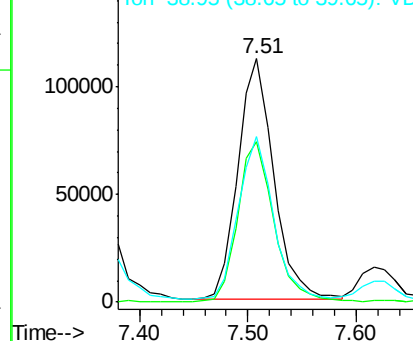
41 100

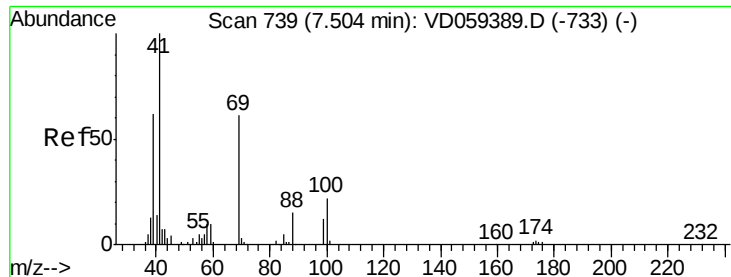
69 66.0 52.6 79.0

39 68.1 53.6 80.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

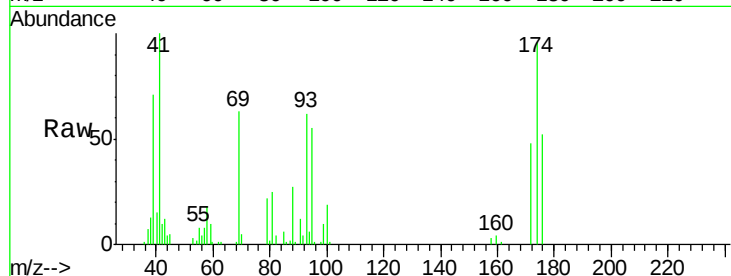




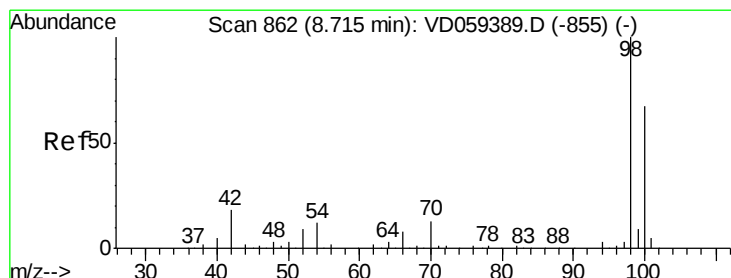
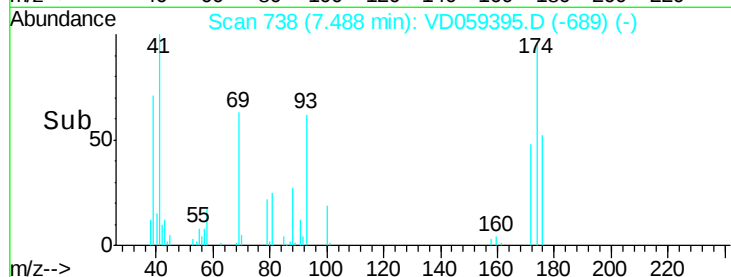
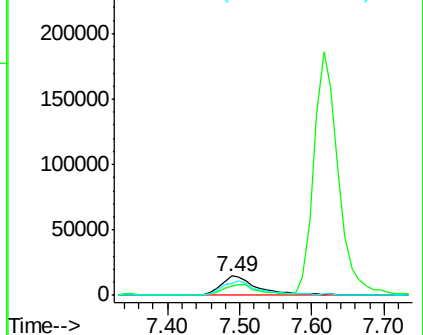
#49
1,4-Dioxane
Concen: 883.016 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.02 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 51695
Ion Ratio Lower Upper
88 100
43 45.3 41.0 61.4
58 63.9 53.4 80.0

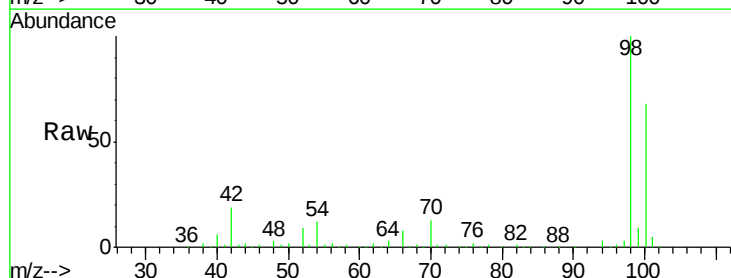


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

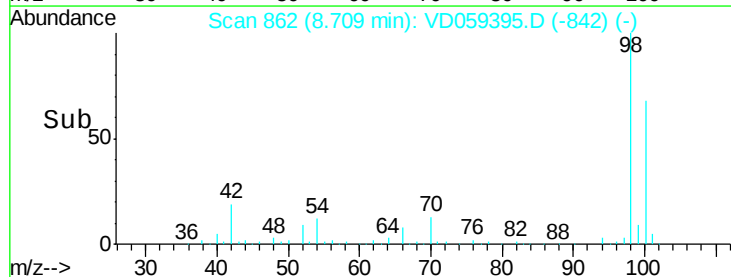
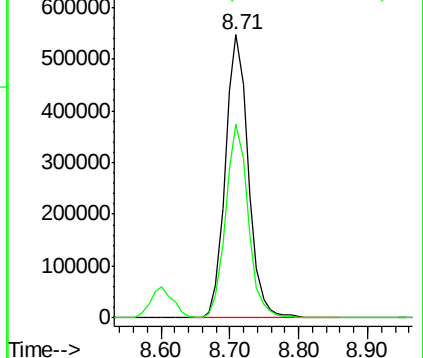


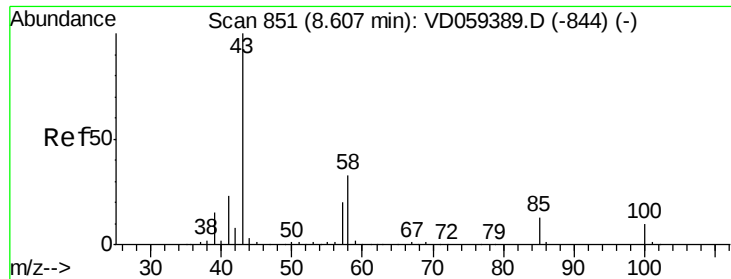
#50
Toluene-d8
Concen: 883.016 ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 98 Resp: 1261768
Ion Ratio Lower Upper
98 100
100 68.5 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 216.855 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

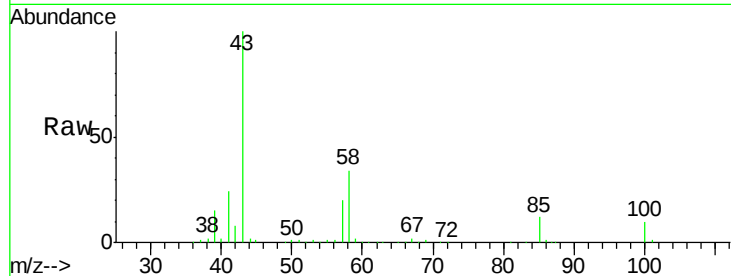
ClientSampleId :

Tot Ion: 43 Resp: 1384565

Ion Ratio Lower Upper

43 100

58 34.1 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

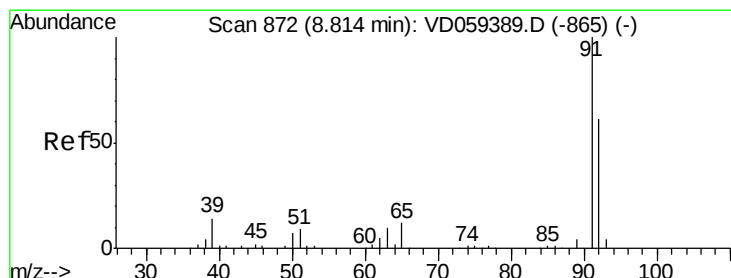
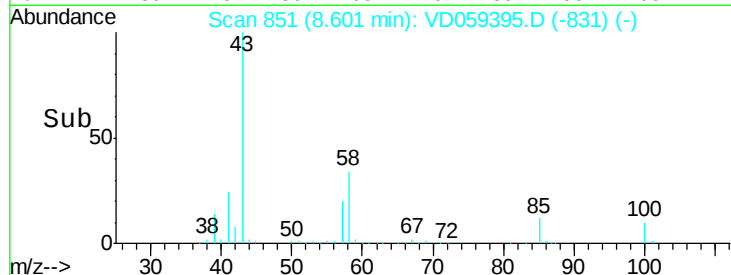
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 43.878 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.01 min

Lab File: VD059395.D

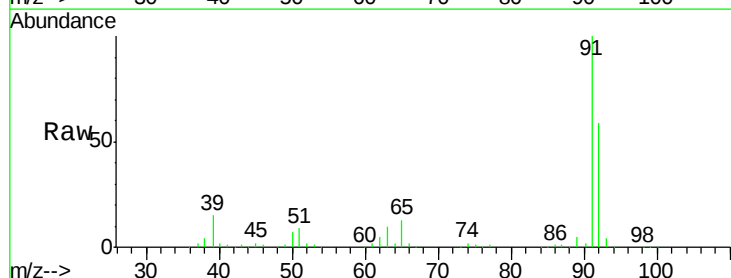
Acq: 25 Jun 2018 11:28

Tgt Ion: 92 Resp: 787859

Ion Ratio Lower Upper

92 100

91 170.3 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

600000

500000

400000

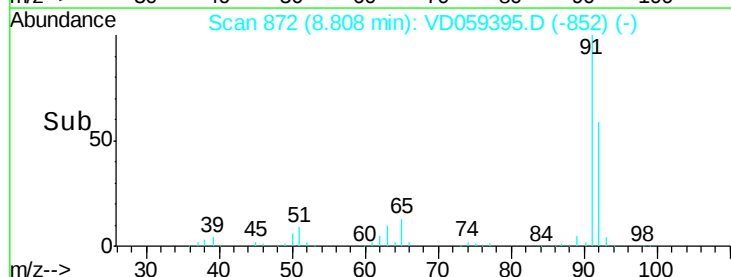
300000

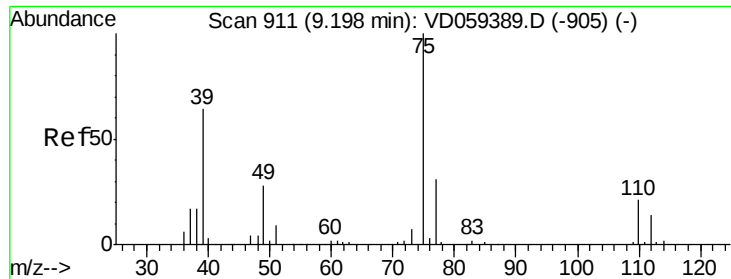
200000

100000

0

Time-->

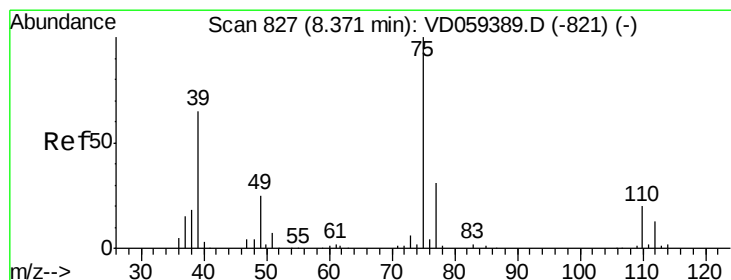
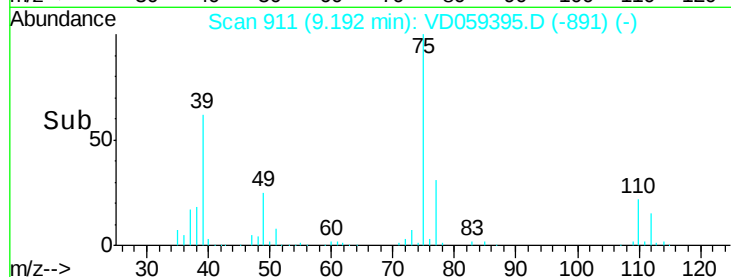
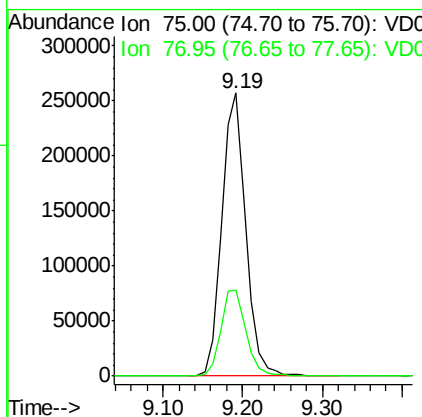
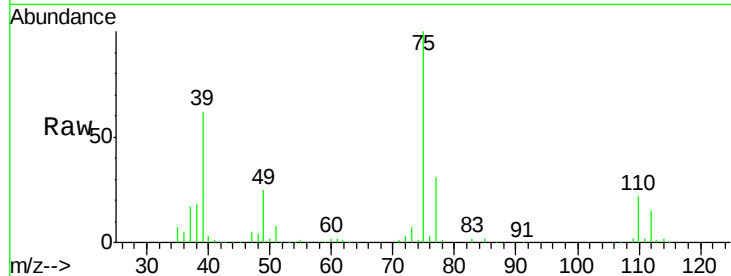




#53
 t-1,3-Dichloropropene
 Concen: 48.603 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

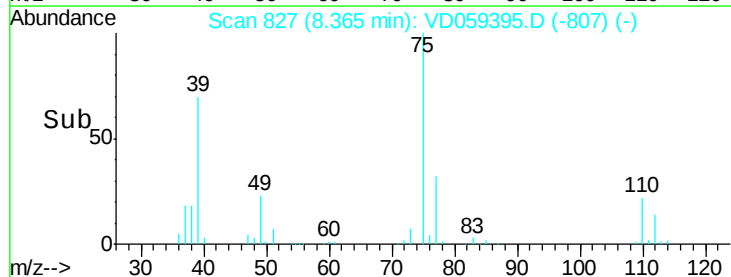
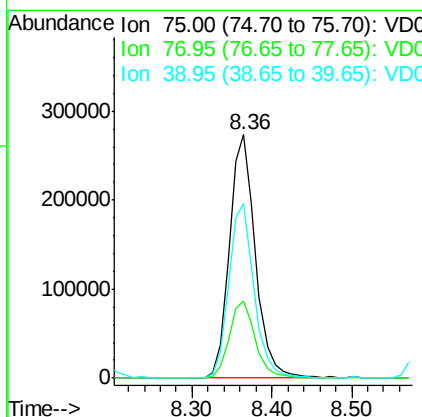
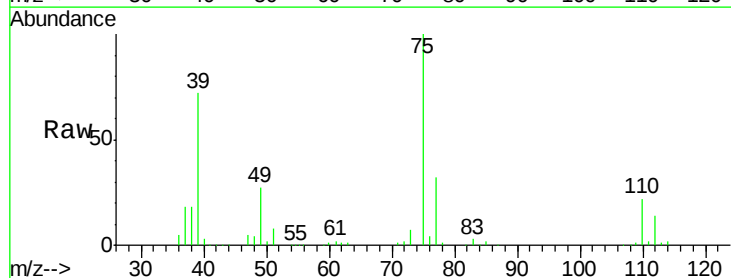
Instrument :
 MSVOA_D
 ClientSampleId :

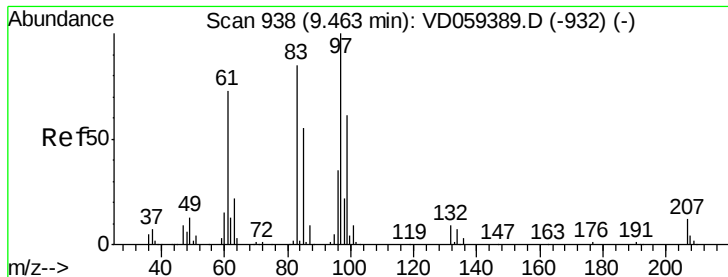
Tot Ion: 75 Resp: 544220
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 47.907 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Tgt Ion: 75 Resp: 621116
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.7 37.1
 39 71.8 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 44.632 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 290956

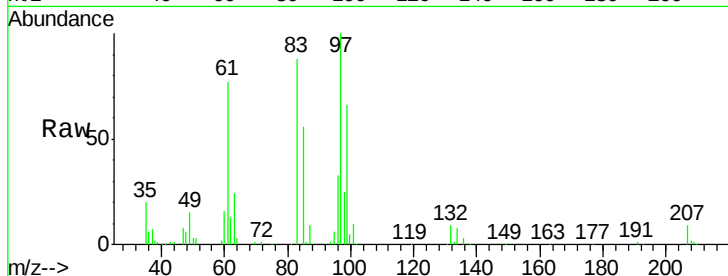
Ion Ratio Lower Upper

97 100

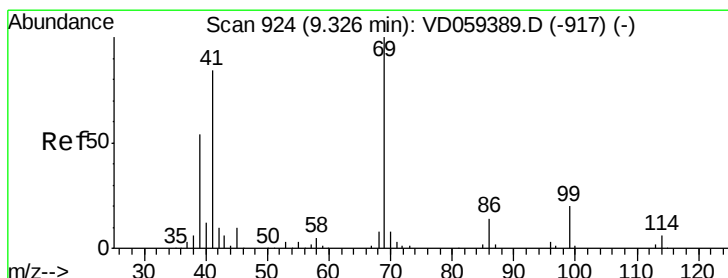
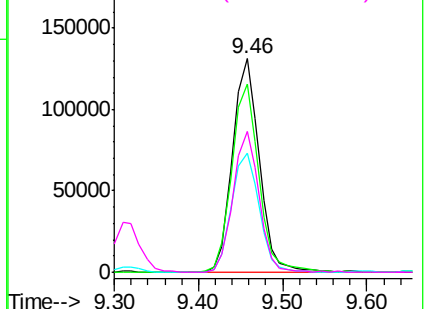
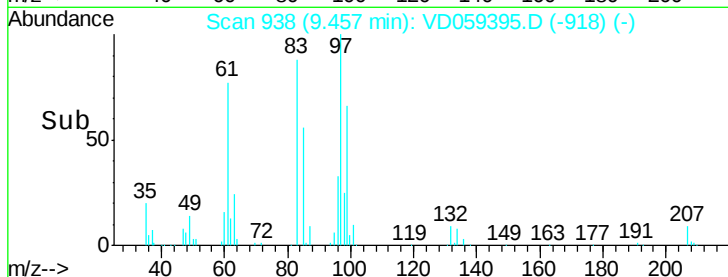
83 87.9 67.7 101.5

85 55.5 44.3 66.5

99 66.0 48.6 73.0



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 46.296 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

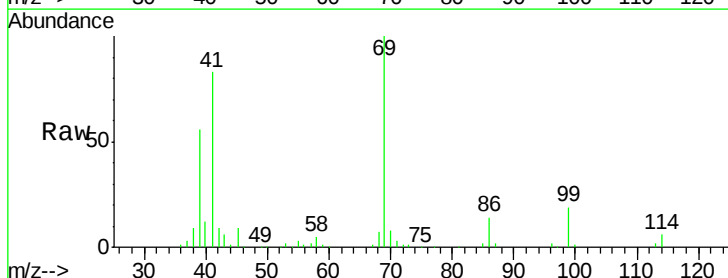
Tgt Ion: 69 Resp: 344384

Ion Ratio Lower Upper

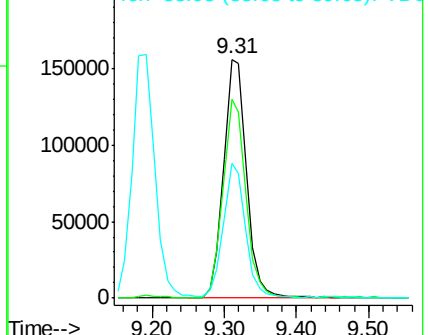
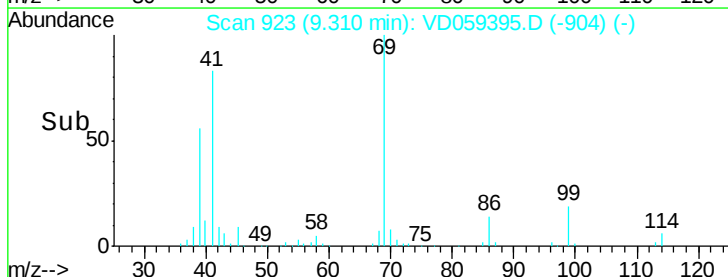
69 100

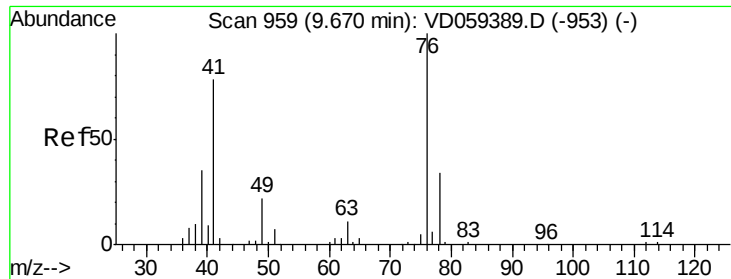
41 83.1 67.4 101.0

39 56.2 43.7 65.5



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

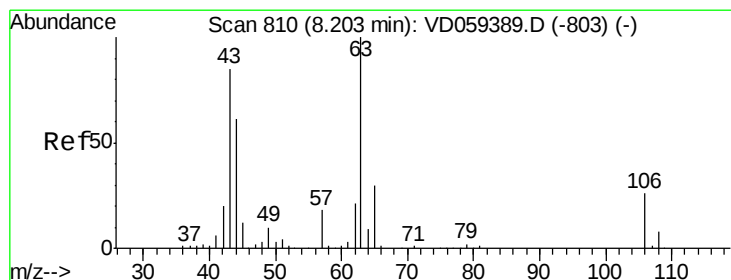
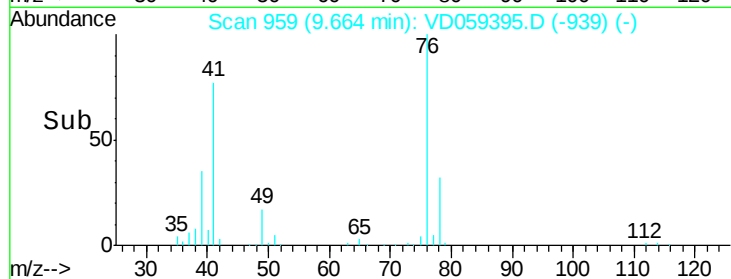
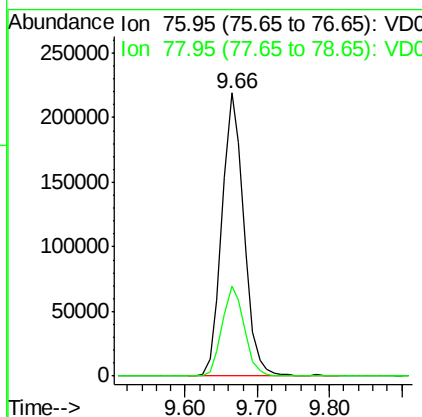
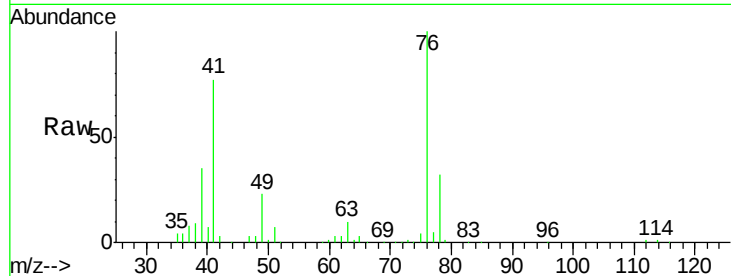




#57
 1,3-Dichloropropane
 Concen: 43.254 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

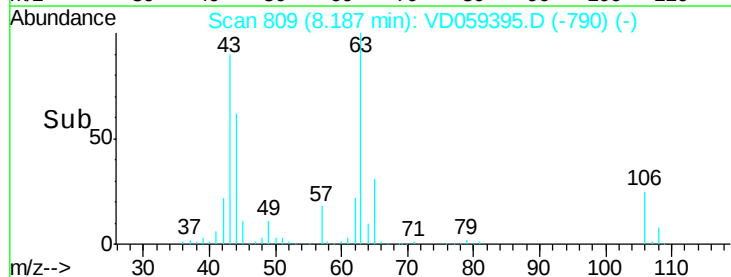
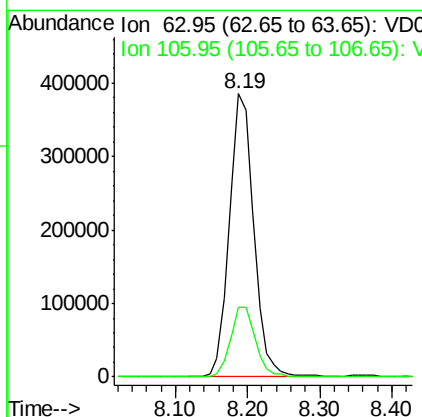
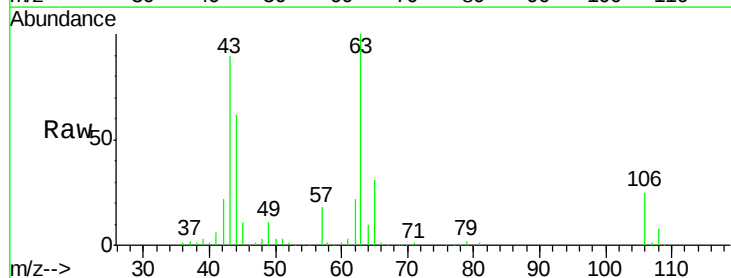
Instrument :
 MSVOA_D
 ClientSampleId :

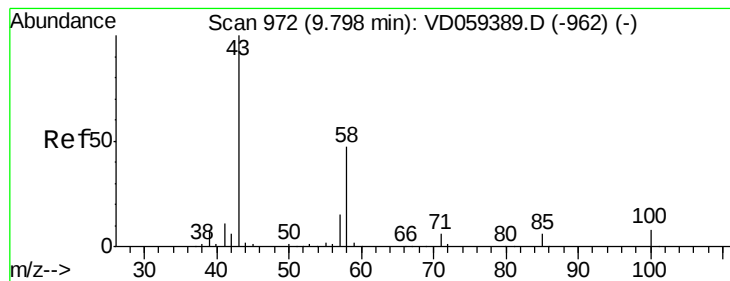
Tot Ion: 76 Resp: 461164
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.047 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.02 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Tgt Ion: 63 Resp: 911584
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.6 31.0





#59

2-Hexanone

Concen: 240.034 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.02 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

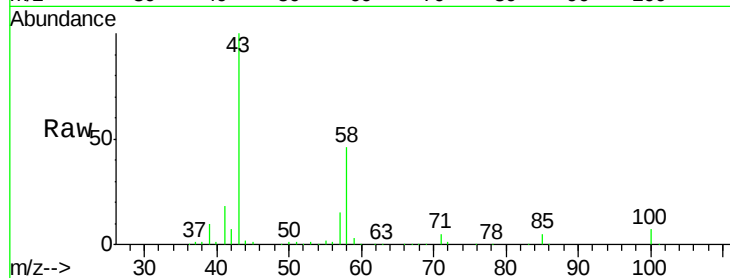
ClientSampled :

Tot Ion: 43 Resp: 1089235

Ion Ratio Lower Upper

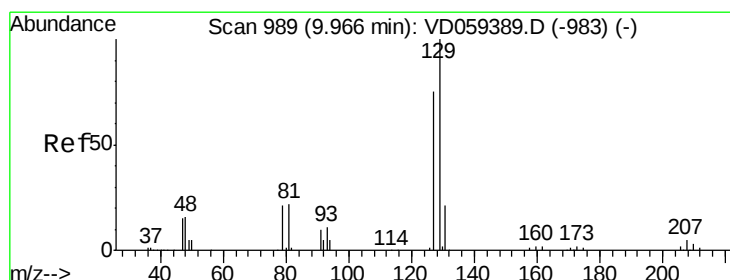
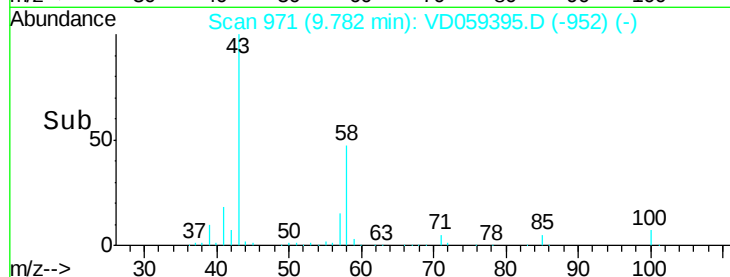
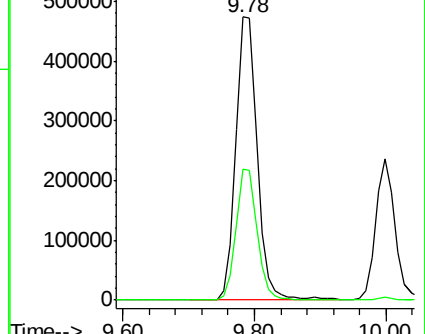
43 100

58 46.5 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 47.697 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.01 min

Lab File: VD059395.D

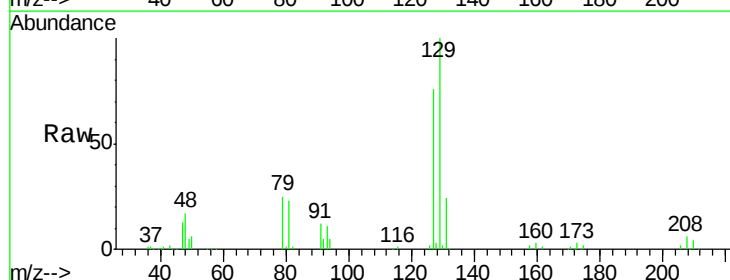
Acq: 25 Jun 2018 11:28

Tgt Ion: 129 Resp: 435420

Ion Ratio Lower Upper

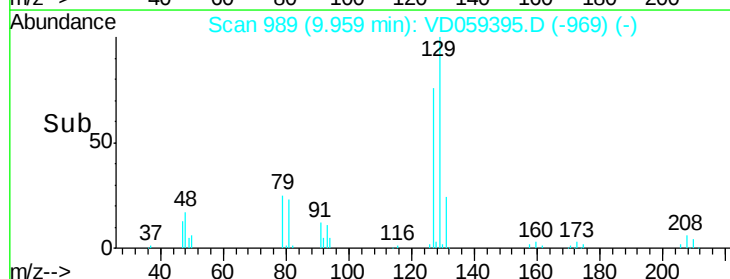
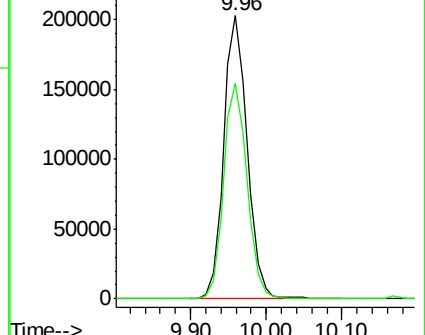
129 100

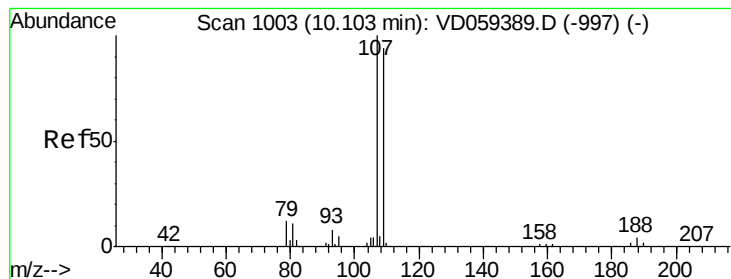
127 76.1 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 44.644 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

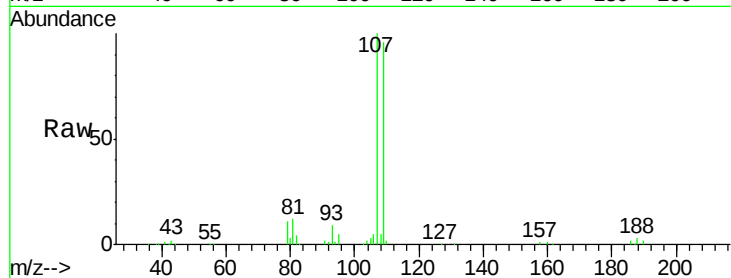
ClientSampleId :

Tot Ion:107 Resp: 324088

Ion Ratio Lower Upper

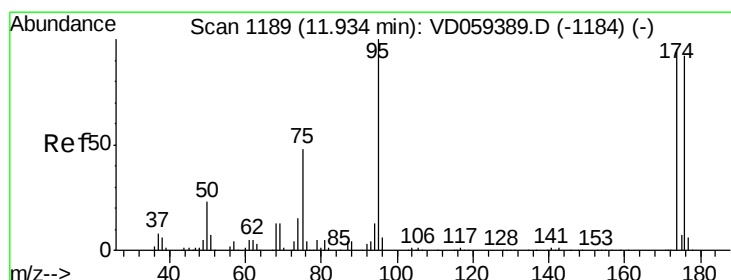
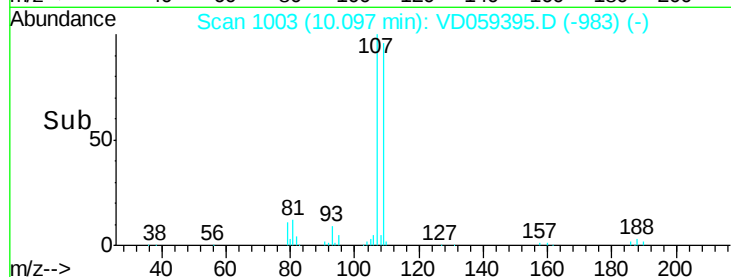
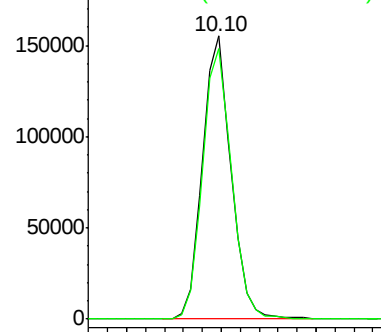
107 100

109 95.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 44.644 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

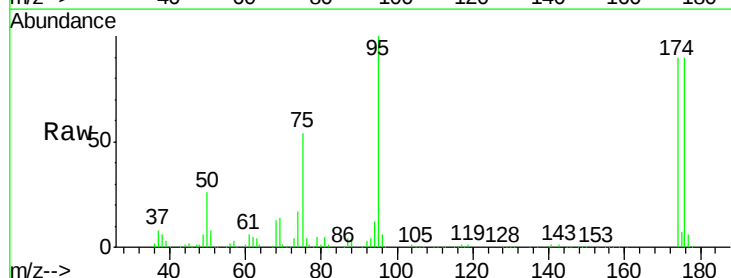
Tgt Ion: 95 Resp: 554824

Ion Ratio Lower Upper

95 100

174 90.2 0.0 190.4

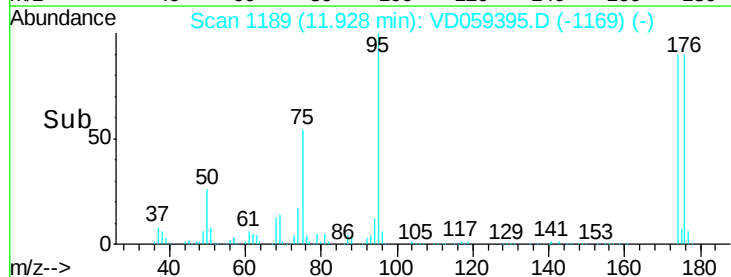
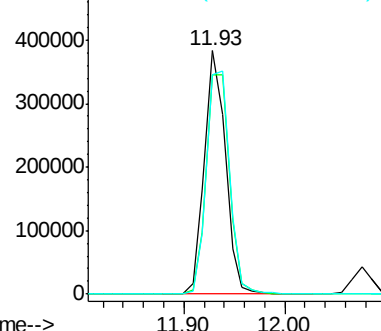
176 90.0 0.0 183.2

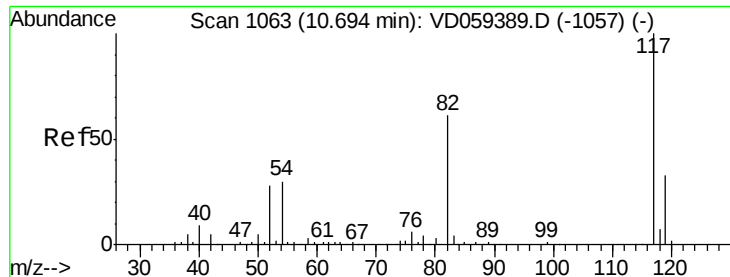


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

ClientSampleId :

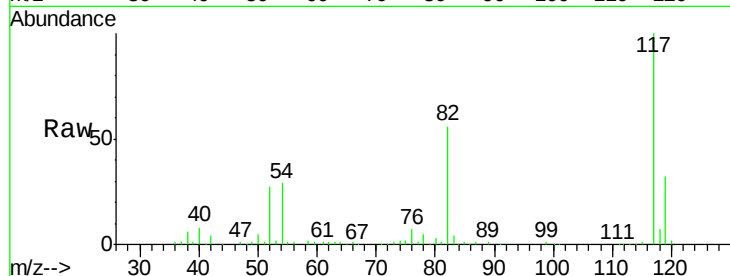
Tot Ion:117 Resp: 1089573

Ion Ratio Lower Upper

117 100

82 55.9 49.0 73.6

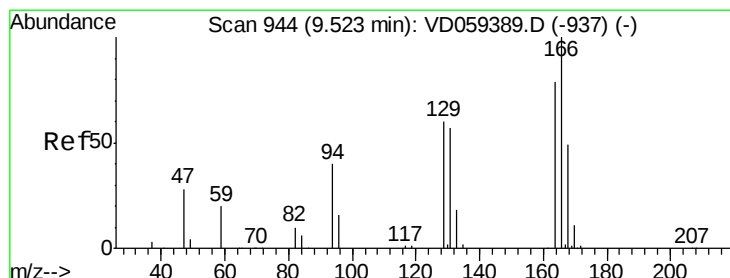
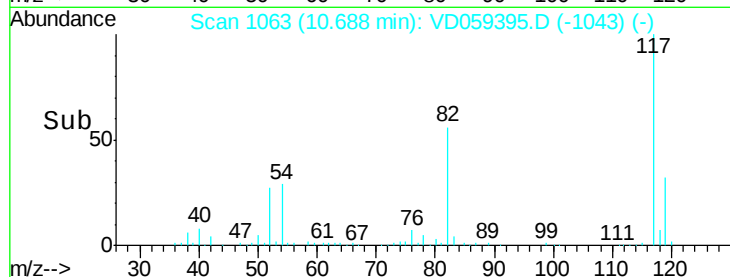
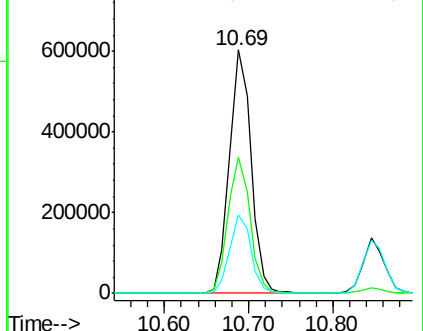
119 32.2 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 44.049 ug/l

RT: 9.52 min Scan# 944

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Tgt Ion:164 Resp: 421034

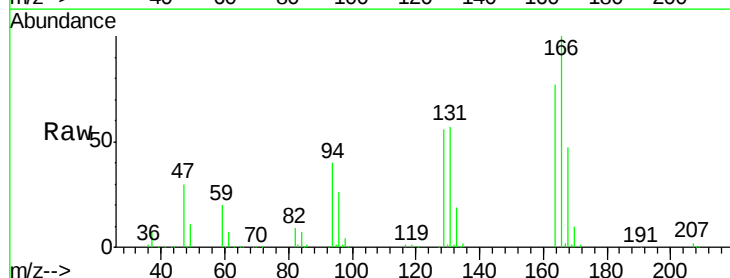
Ion Ratio Lower Upper

164 100

166 130.3 101.4 152.2

129 72.8 60.9 91.3

131 74.2 58.2 87.4

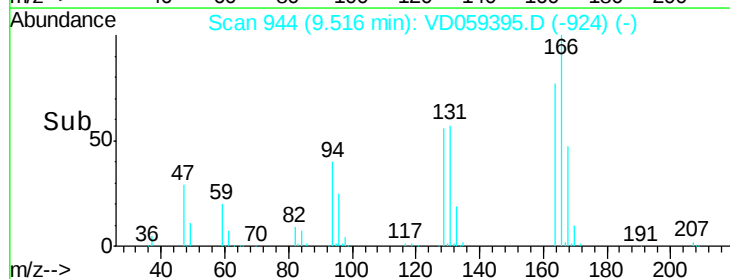
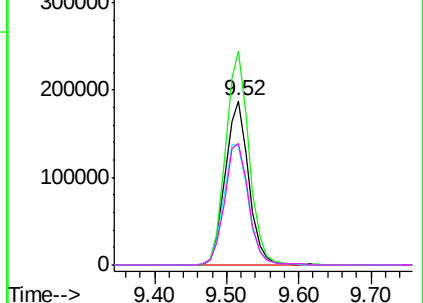


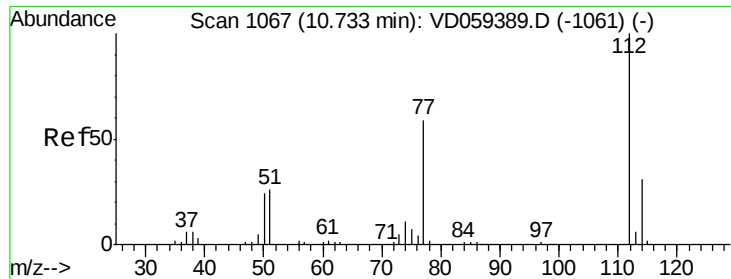
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

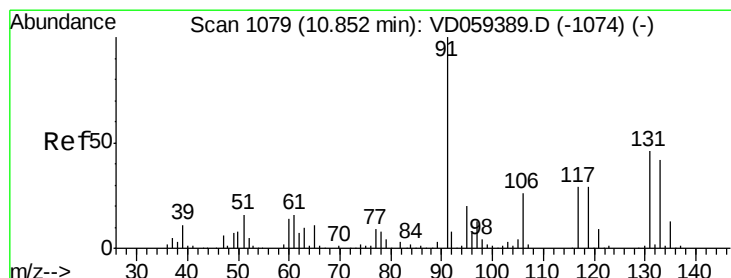
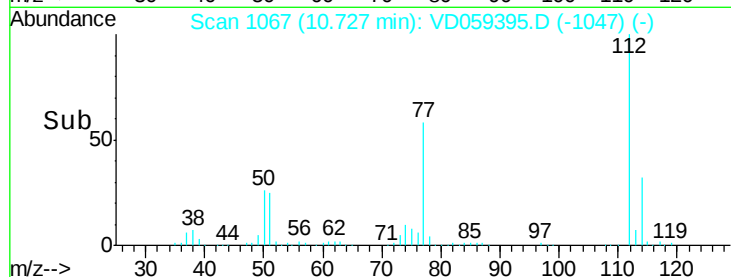
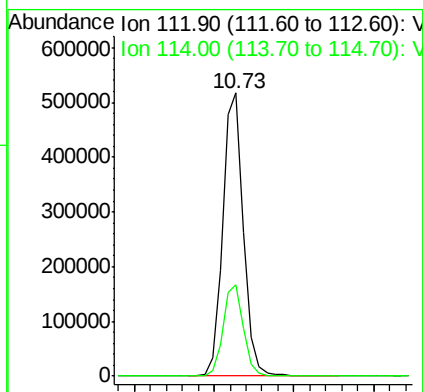
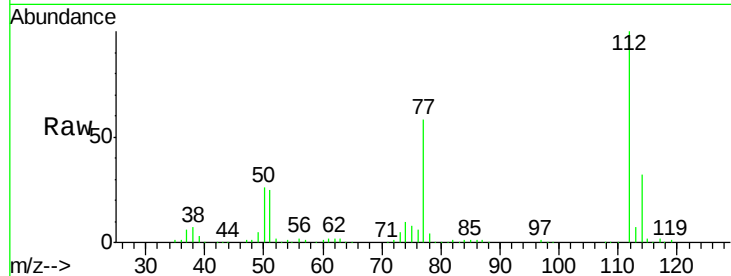




#65
Chlorobenzene
Concen: 47.287 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

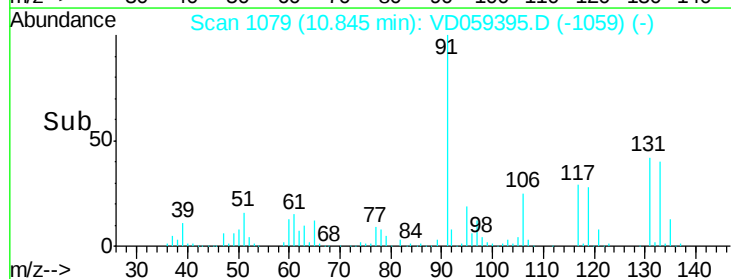
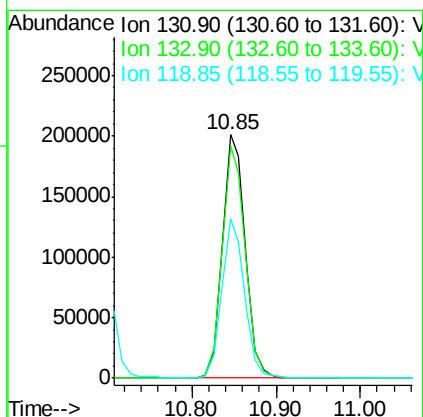
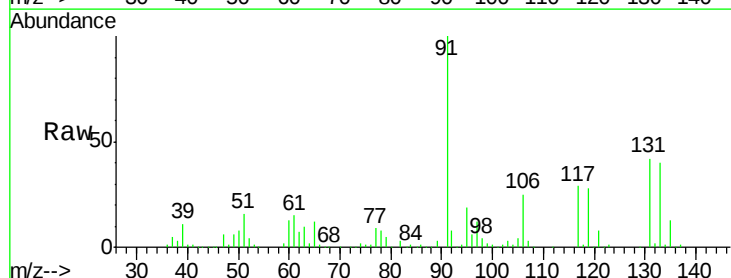
Instrument :
MSVOA_D
ClientSampled :

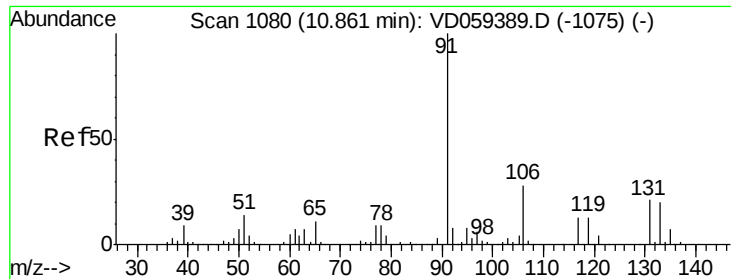
Tot Ion:112 Resp: 942098
Ion Ratio Lower Upper
112 100
114 32.1 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.029 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion:131 Resp: 374949
Ion Ratio Lower Upper
131 100
133 95.4 45.7 137.1
119 65.3 32.3 96.9

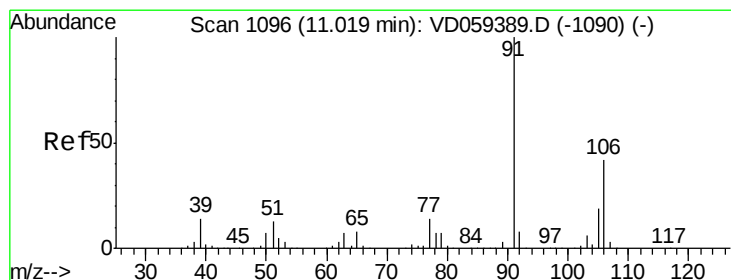
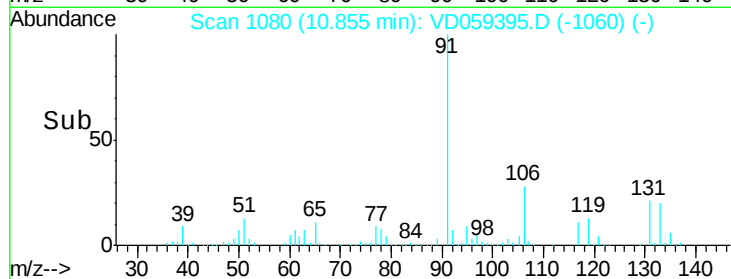
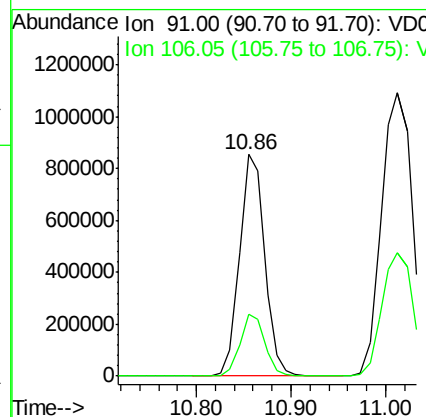
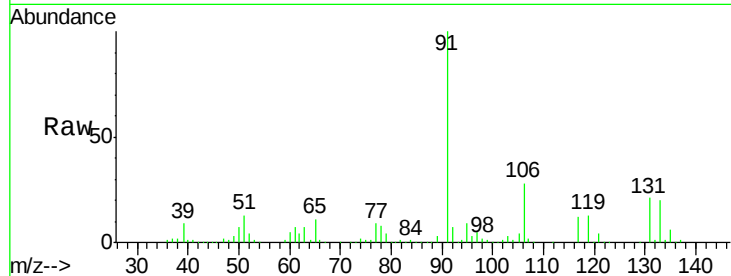




#67
Ethyl Benzene
Concen: 46.759 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

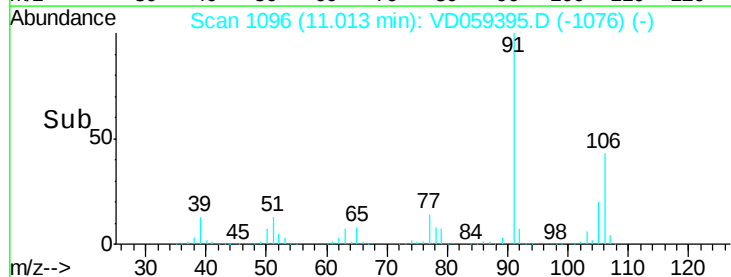
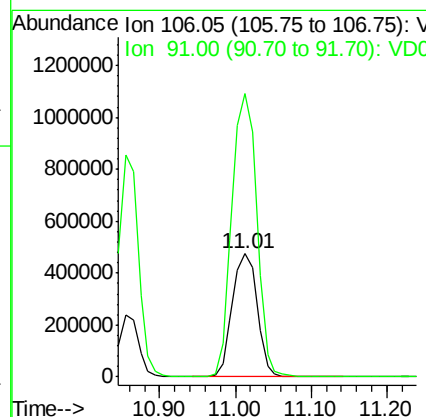
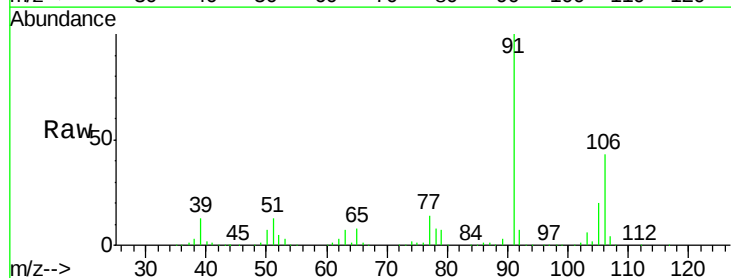
Instrument :
MSVOA_D
ClientSampleId :

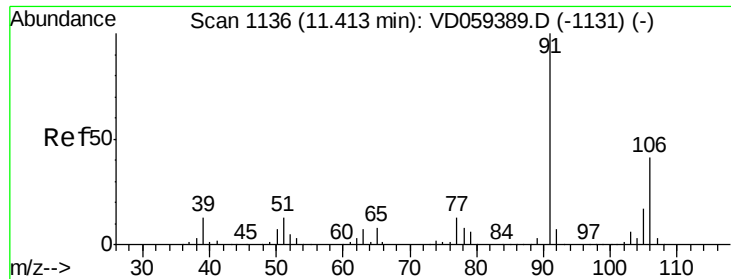
Tot Ion: 91 Resp: 1571961
Ion Ratio Lower Upper
91 100
106 27.7 22.3 33.5



#68
m/p-Xylenes
Concen: 96.440 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 106 Resp: 1075689
Ion Ratio Lower Upper
106 100
91 230.5 191.0 286.6

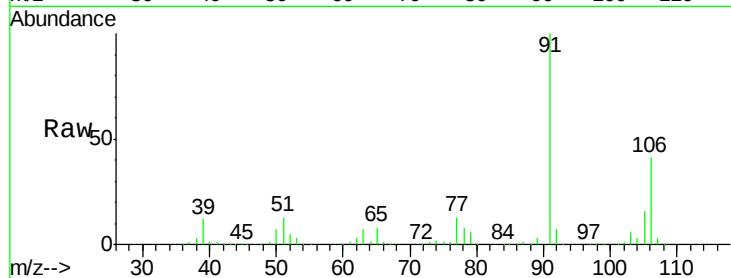




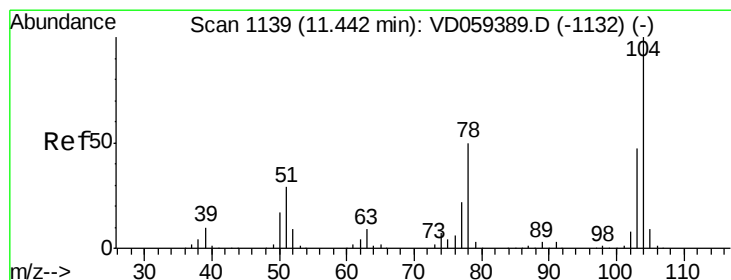
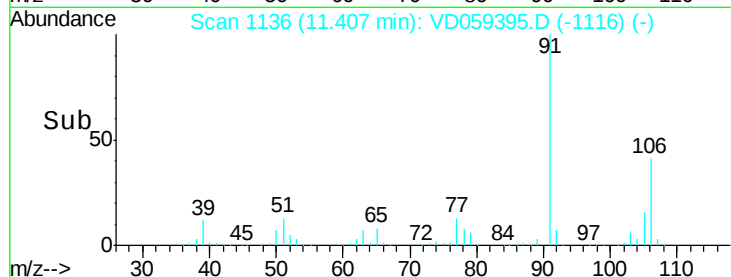
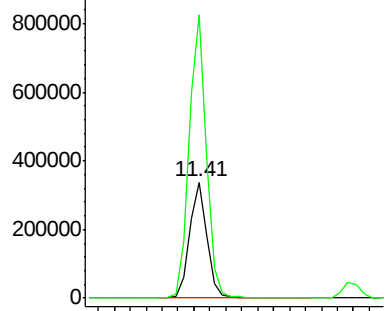
#69
o-Xylene
Concen: 47.274 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 521306
Ion Ratio Lower Upper
106 100
91 243.6 121.0 362.8

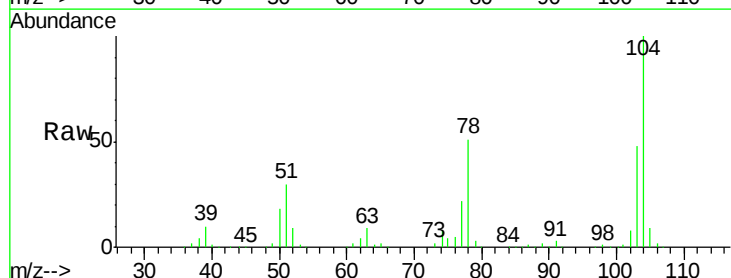


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

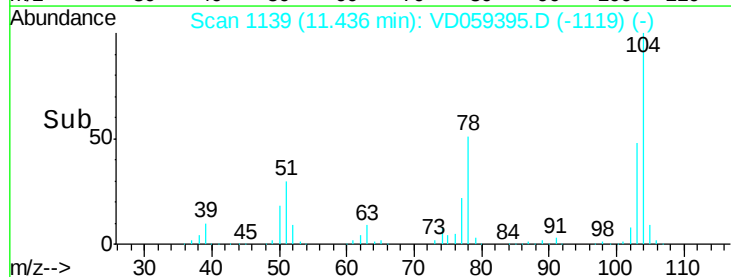
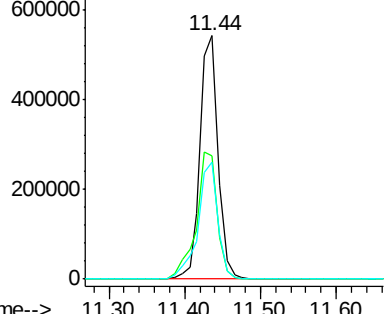


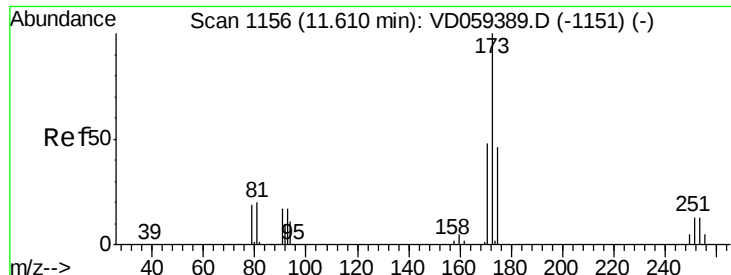
#70
Styrene
Concen: 46.862 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion:104 Resp: 885811
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.4
103 48.2 37.8 56.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V

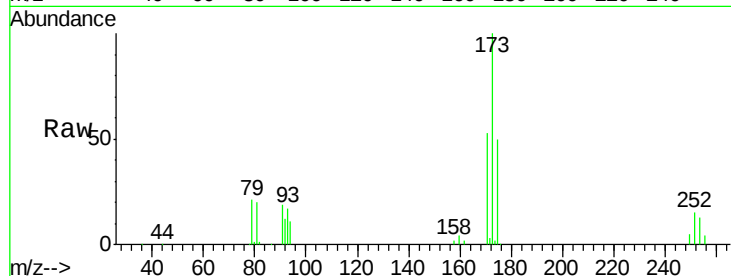




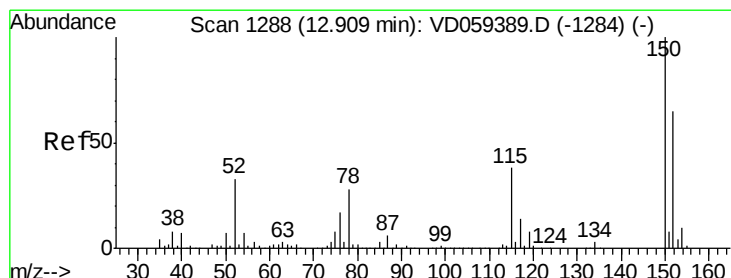
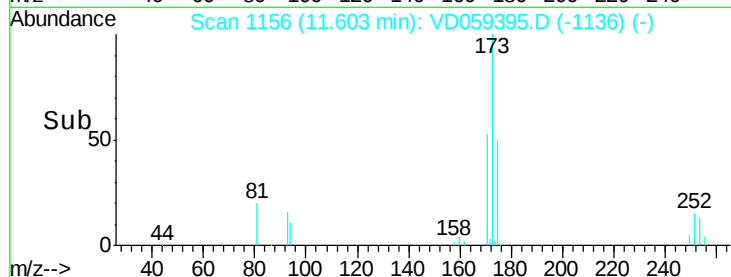
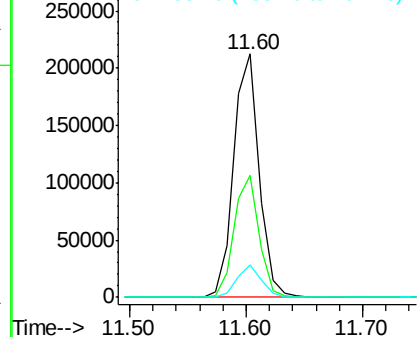
#71
Bromoform
Concen: 50.654 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 320914
Ion Ratio Lower Upper
173 100
175 50.2 22.8 68.4
254 13.4 10.1 15.1

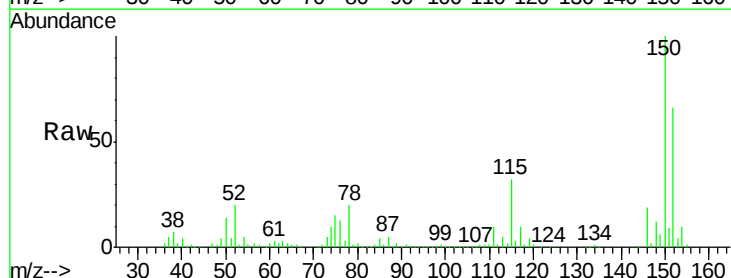


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

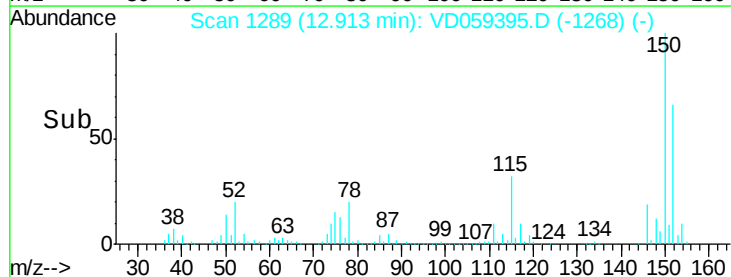
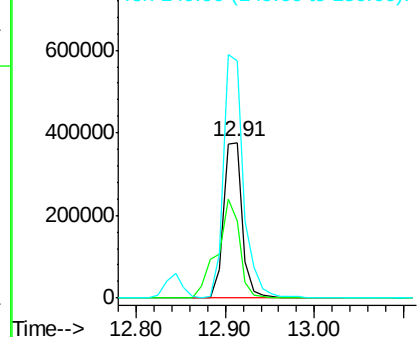


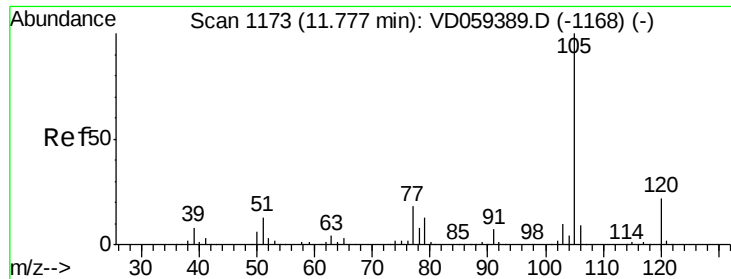
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion:152 Resp: 558097
Ion Ratio Lower Upper
152 100
115 49.3 29.4 88.3
150 152.4 0.0 308.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.527 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

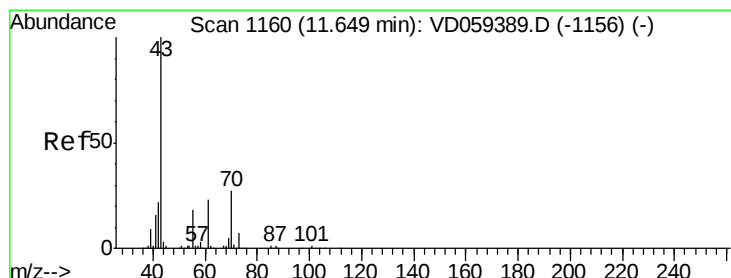
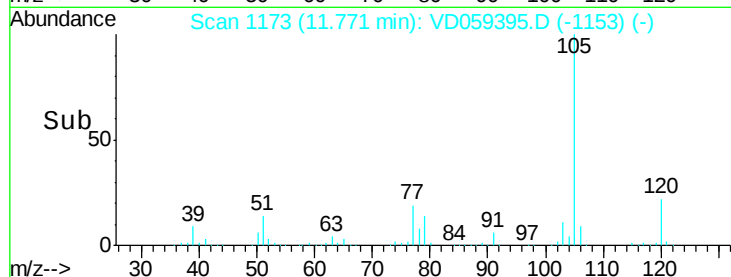
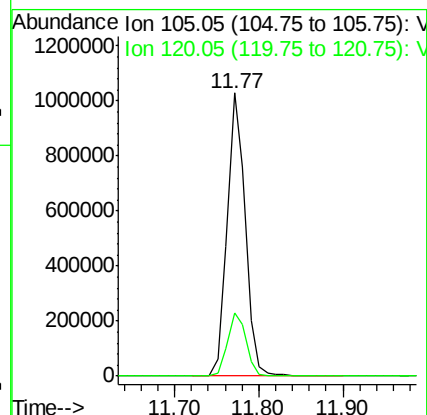
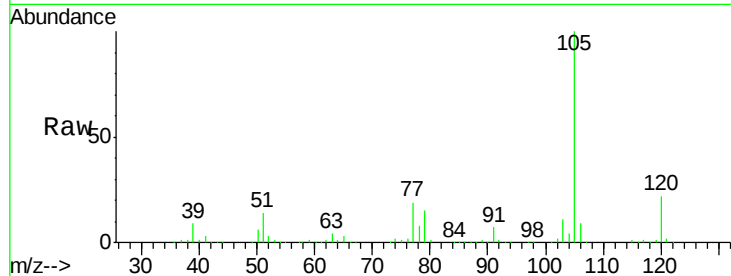
ClientSampleId :

Tot Ion:105 Resp: 1528329

Ion Ratio Lower Upper

105 100

120 22.3 11.0 33.0



#74

N-ethyl acetate

Concen: 47.474 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Tgt Ion: 43 Resp: 568858

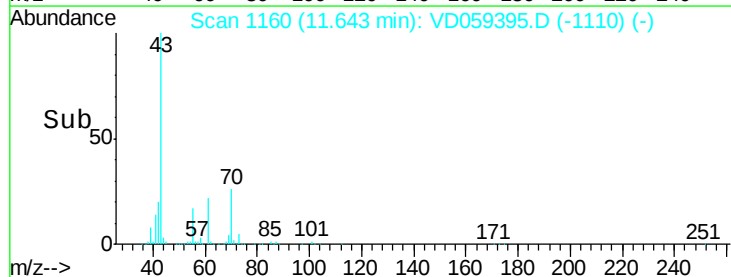
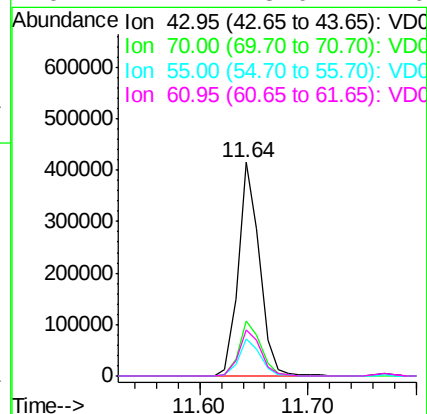
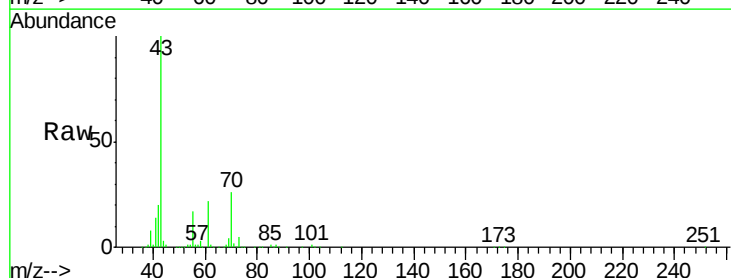
Ion Ratio Lower Upper

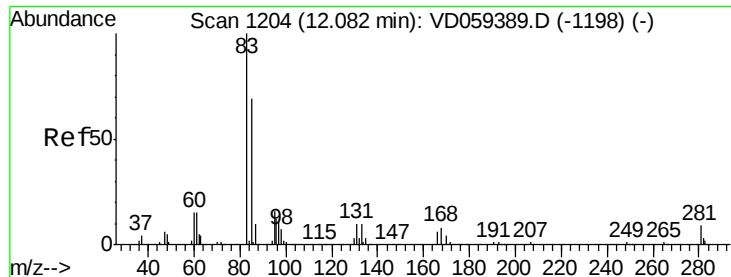
43 100

70 26.0 21.7 32.5

55 17.4 14.6 22.0

61 21.7 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.500 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

ClientSampleId :

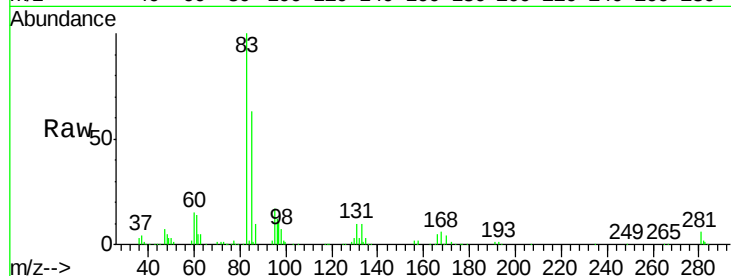
Tot Ion: 83 Resp: 350968

Ion Ratio Lower Upper

83 100

131 10.4 4.9 14.6

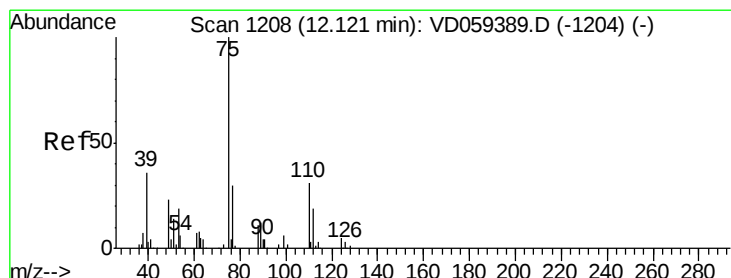
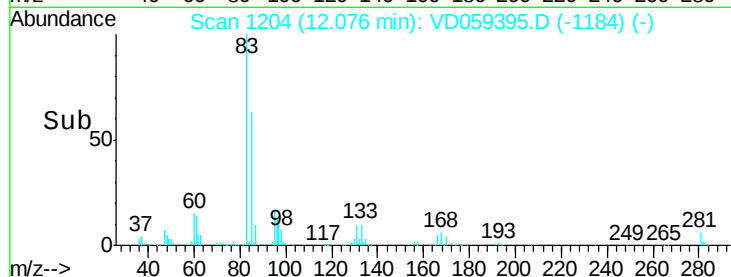
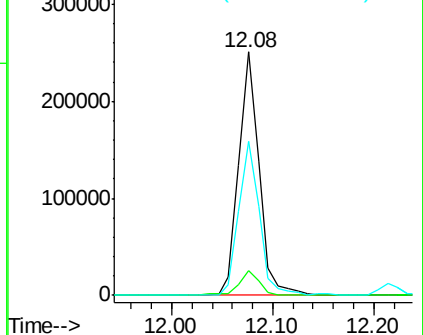
85 63.5 34.6 103.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 47.250 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059395.D

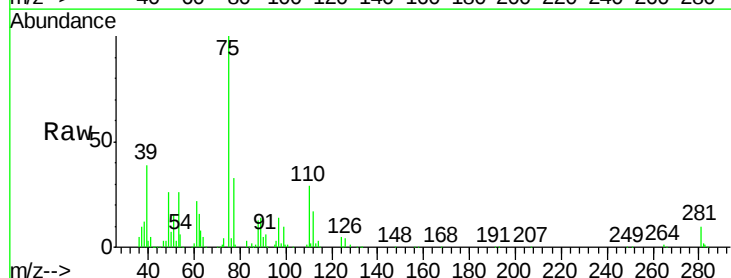
Acq: 25 Jun 2018 11:28

Tgt Ion: 75 Resp: 363730

Ion Ratio Lower Upper

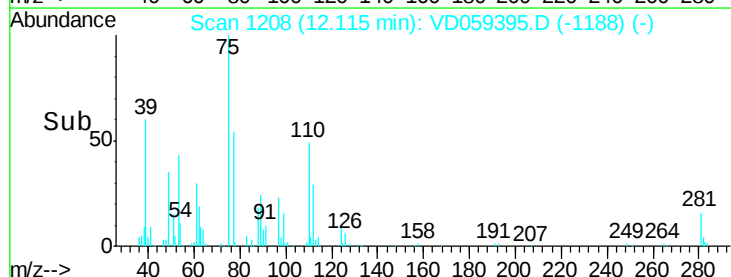
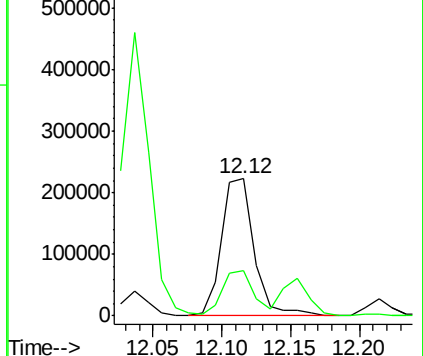
75 100

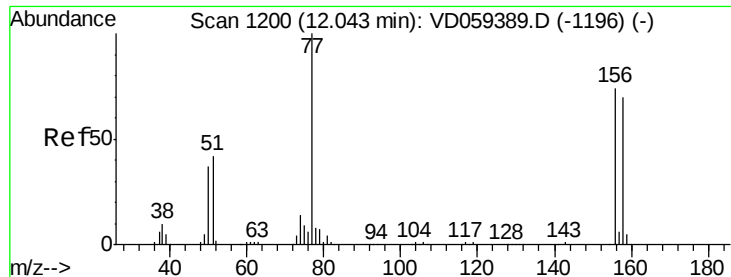
77 33.1 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.234 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

ClientSampleId :

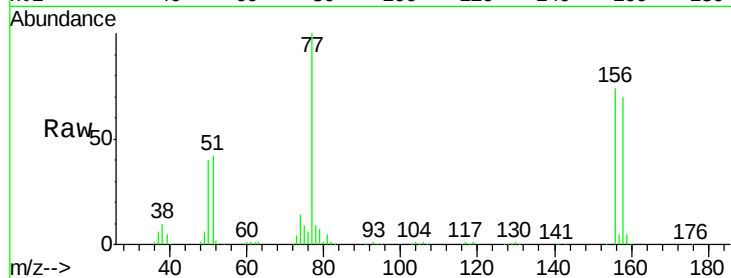
Tot Ion:156 Resp: 488032

Ion Ratio Lower Upper

156 100

77 136.0 68.0 203.8

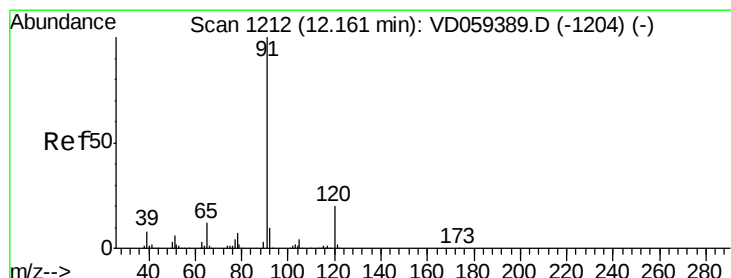
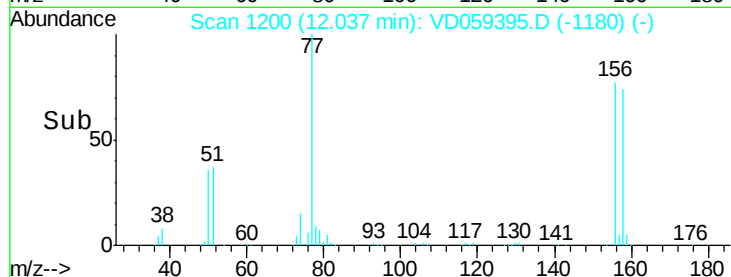
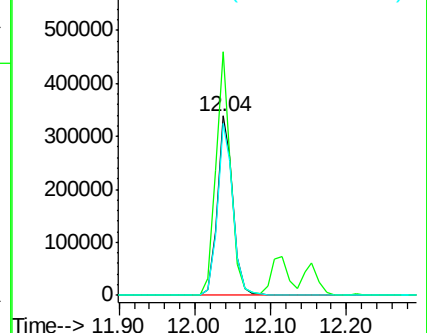
158 95.9 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.273 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059395.D

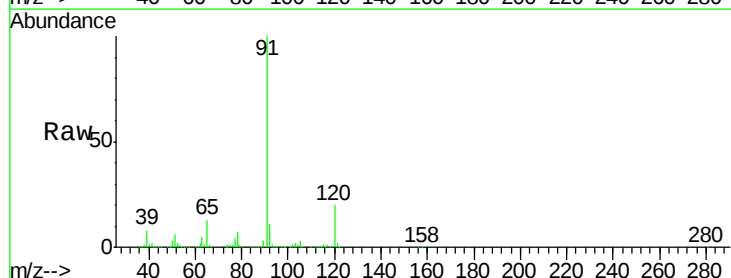
Acq: 25 Jun 2018 11:28

Tgt Ion: 91 Resp: 2005277

Ion Ratio Lower Upper

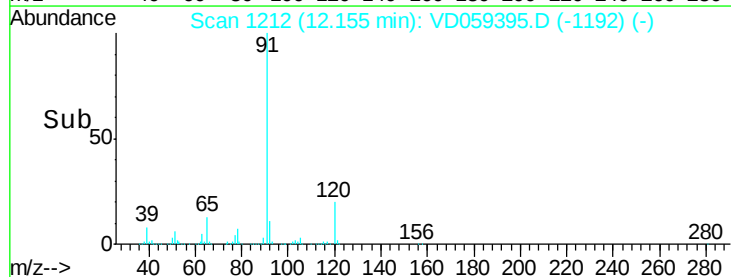
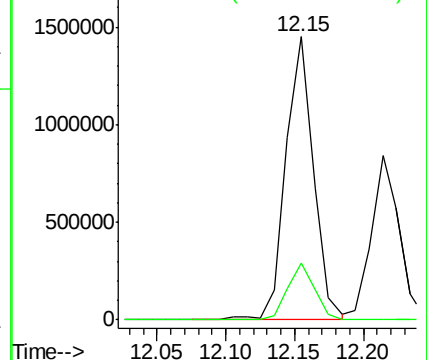
91 100

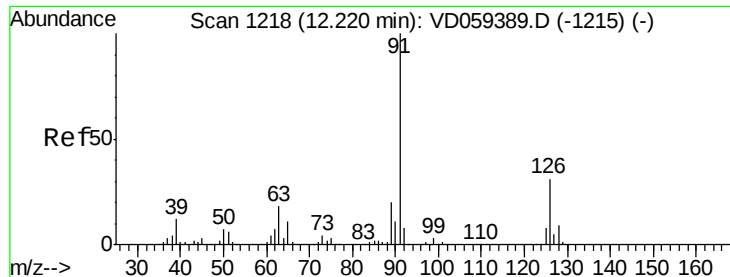
120 20.1 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

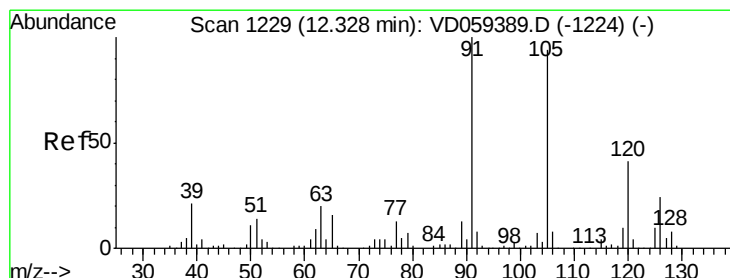
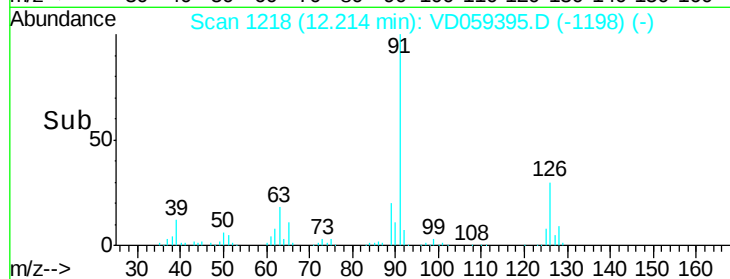
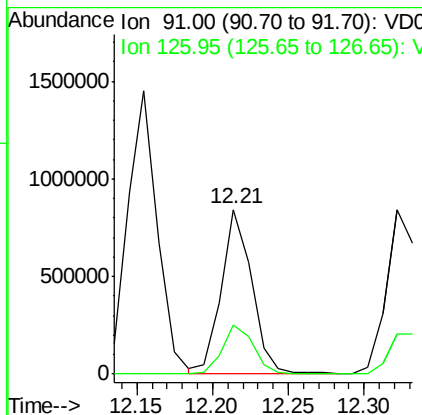
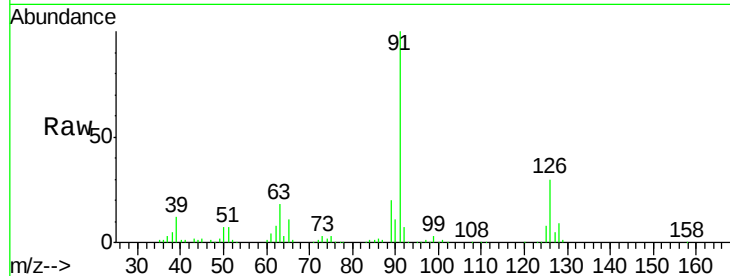




#79
 2-Chlorotoluene
 Concen: 50.134 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

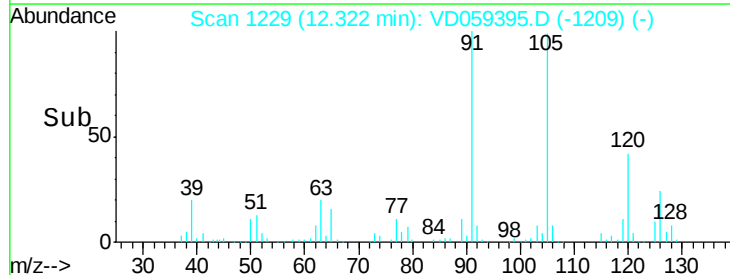
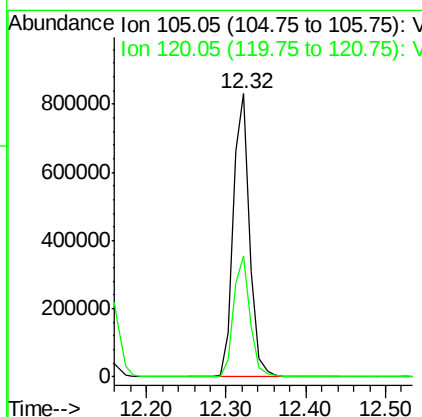
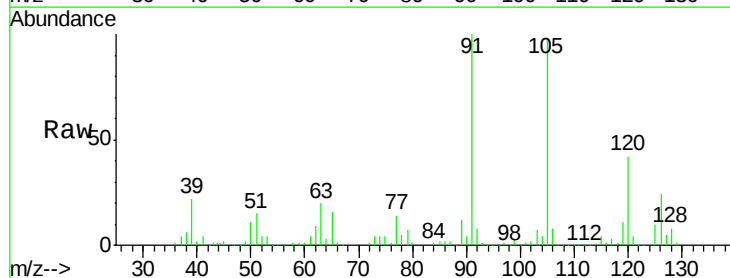
Instrument :
 MSVOA_D
 ClientSampleId :

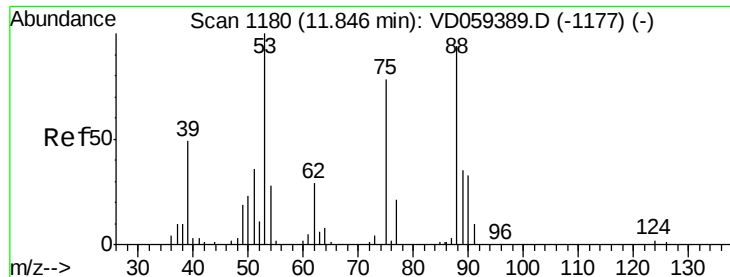
Tot Ion: 91 Resp: 1174374
 Ion Ratio Lower Upper
 91 100
 126 30.1 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 47.665 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Tgt Ion: 105 Resp: 1195081
 Ion Ratio Lower Upper
 105 100
 120 42.8 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 54.583 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

ClientSampleId :

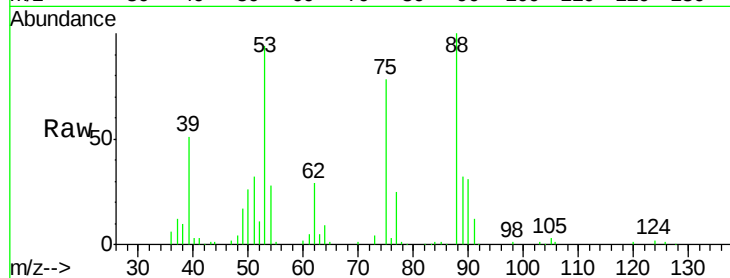
Tot Ion: 75 Resp: 95504

Ion Ratio Lower Upper

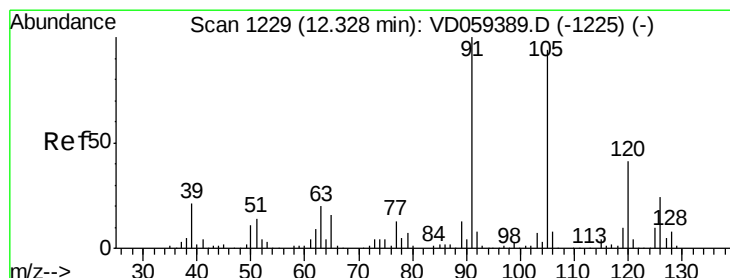
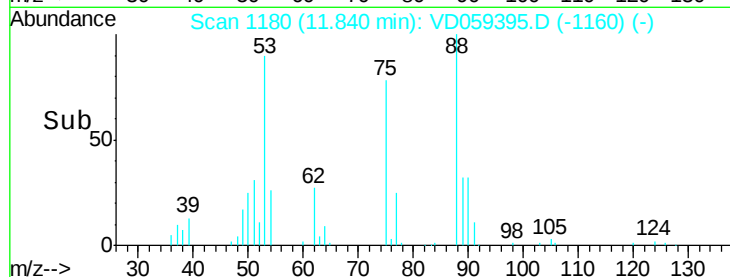
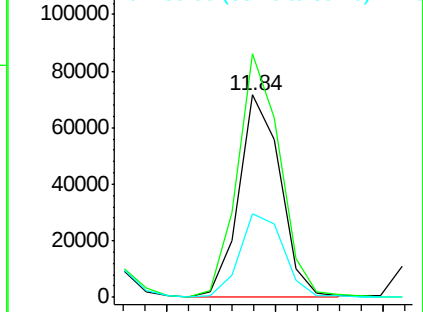
75 100

53 120.2 102.6 154.0

89 41.1 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 46.470 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059395.D

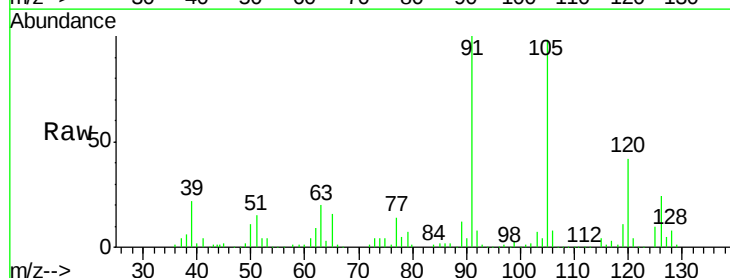
Acq: 25 Jun 2018 11:28

Tgt Ion: 91 Resp: 1234349

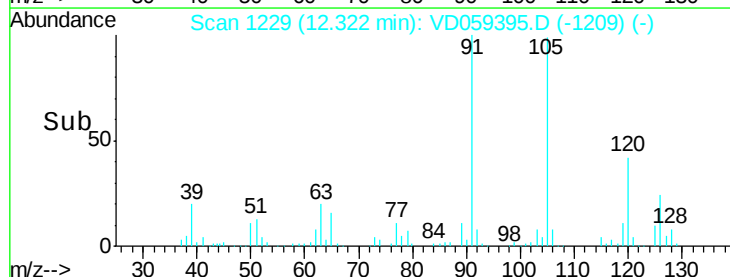
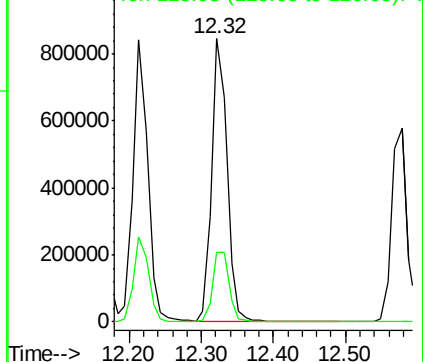
Ion Ratio Lower Upper

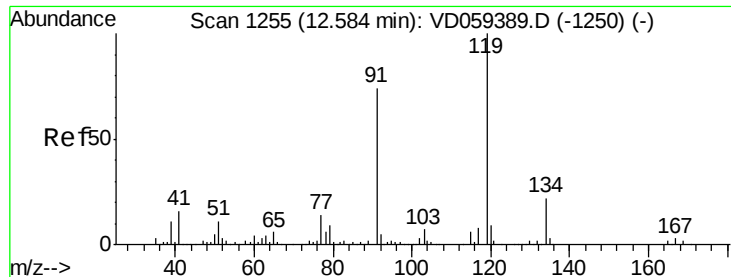
91 100

126 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

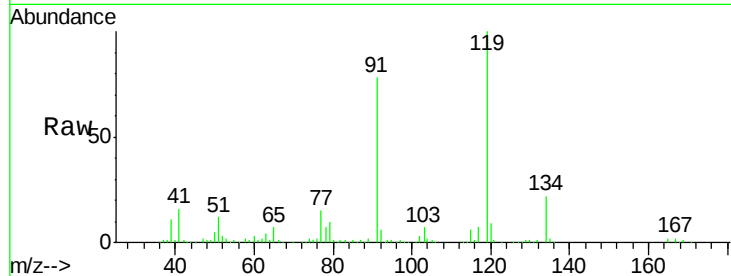




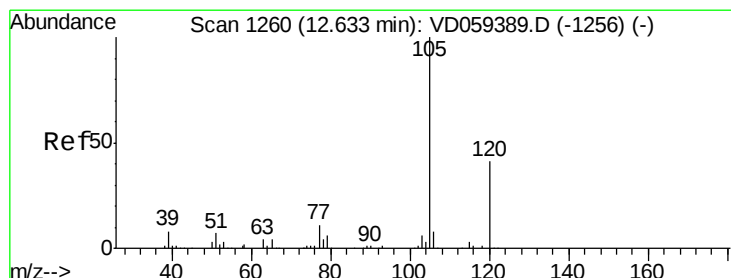
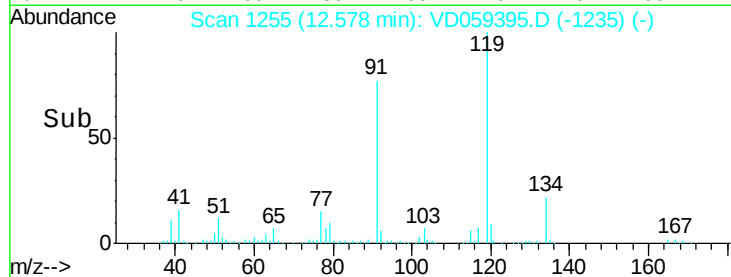
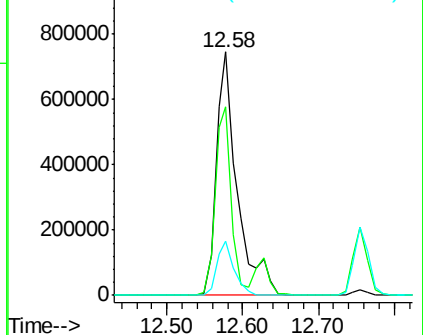
#83
tert-Butylbenzene
Concen: 54.024 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1440819
Ion Ratio Lower Upper
119 100
91 77.5 36.9 110.7
134 22.4 11.2 33.6

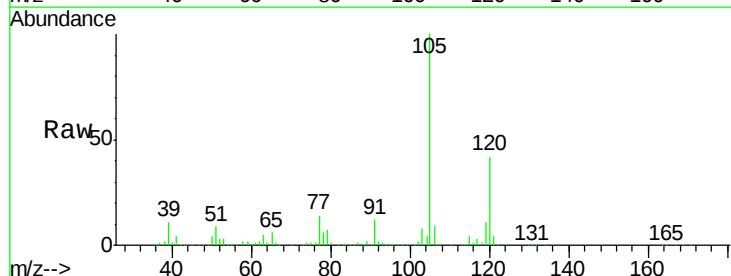


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

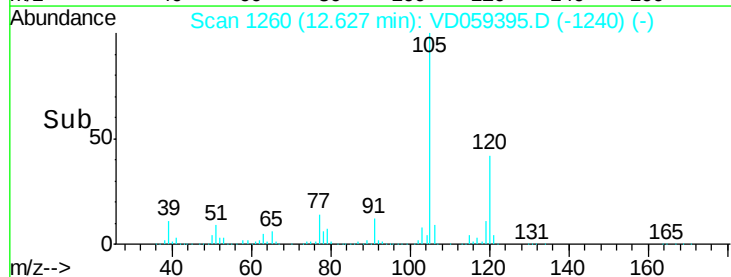
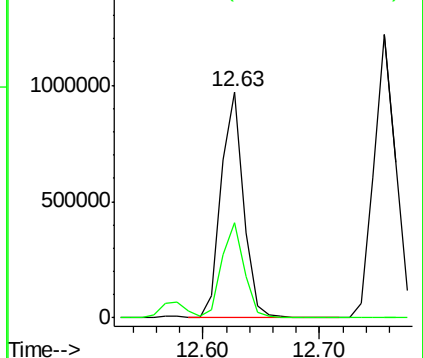


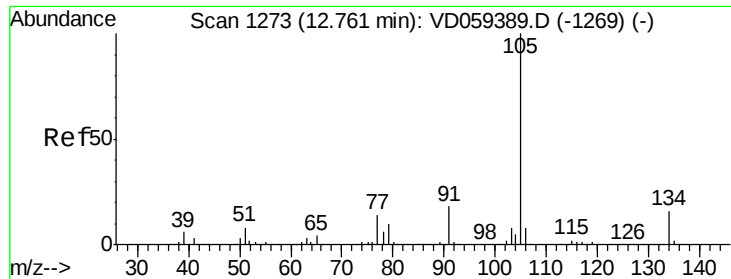
#84
1,2,4-Trimethylbenzene
Concen: 48.581 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion:105 Resp: 1289041
Ion Ratio Lower Upper
105 100
120 42.4 21.5 64.5



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 48.605 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

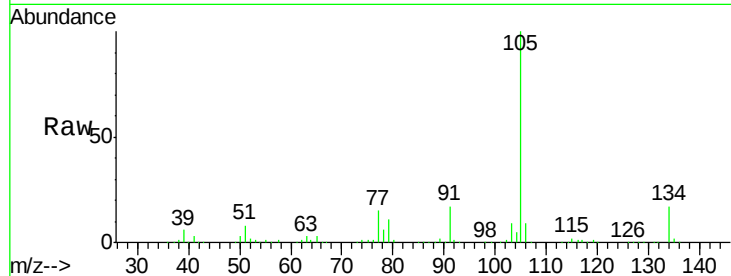
ClientSampled :

Tot Ion:105 Resp: 1590656

Ion Ratio Lower Upper

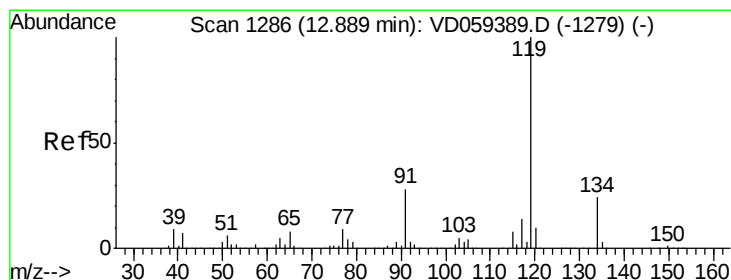
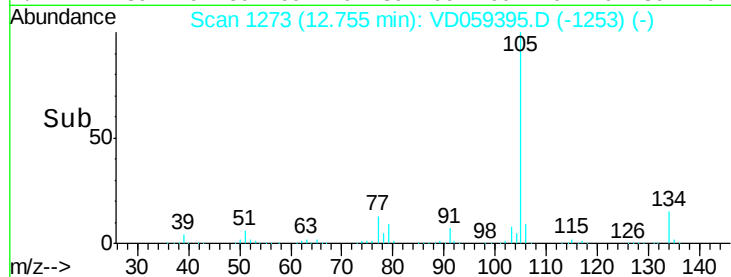
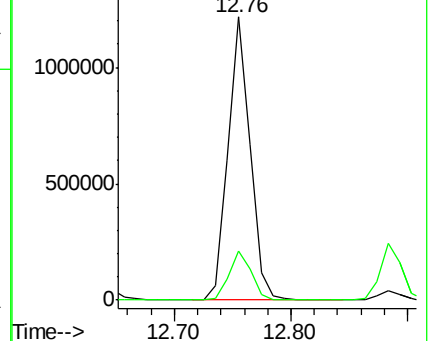
105 100

134 17.2 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.878 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

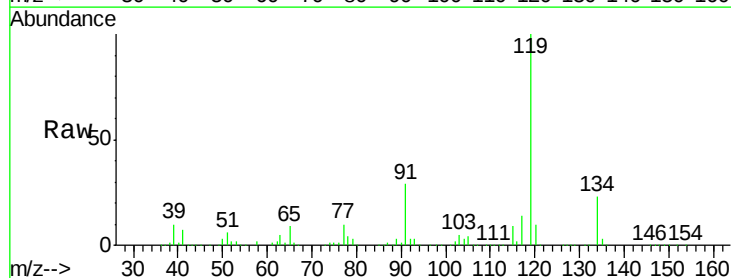
Tgt Ion:119 Resp: 1368421

Ion Ratio Lower Upper

119 100

134 22.5 11.9 35.5

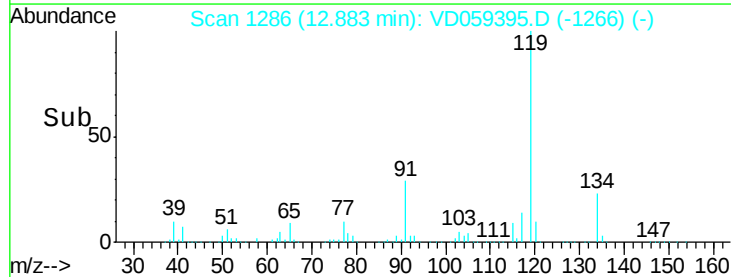
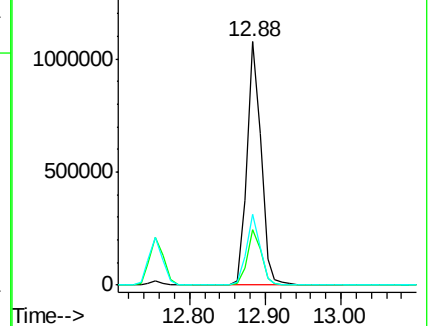
91 29.0 14.1 42.4

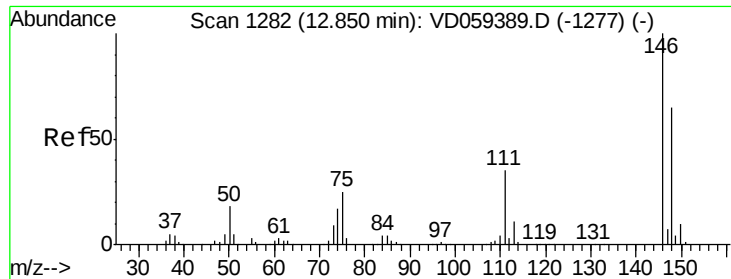


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

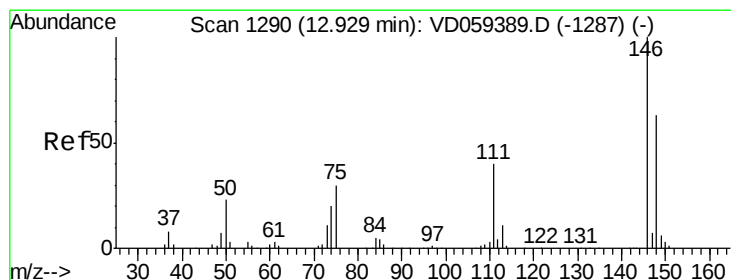
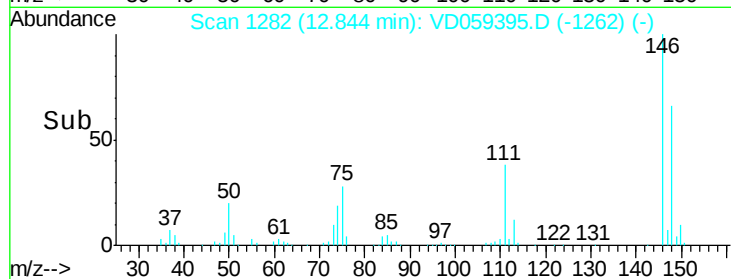
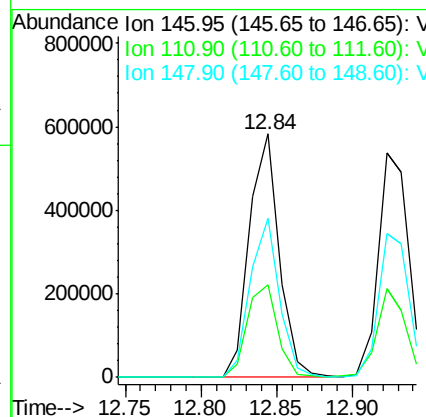
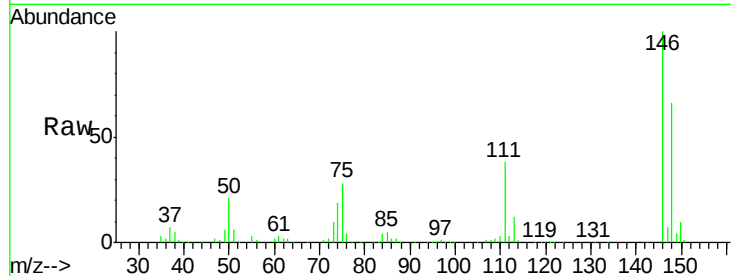




#87
 1,3-Dichlorobenzene
 Concen: 49.161 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

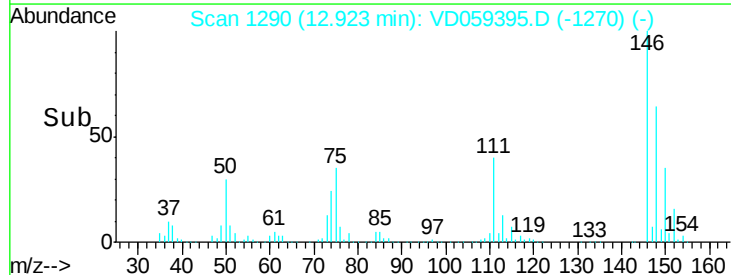
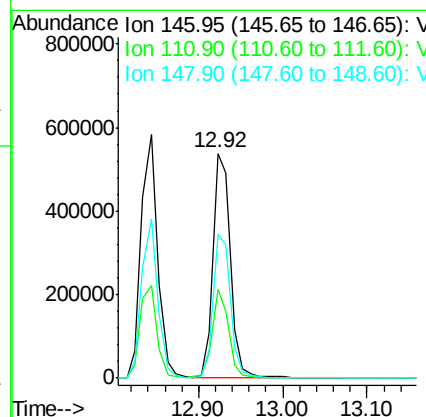
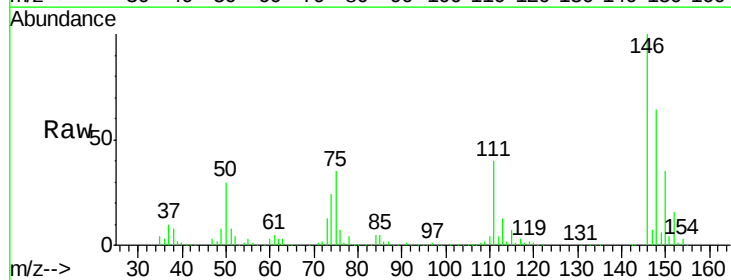
Instrument :
 MSVOA_D
 ClientSampleId :

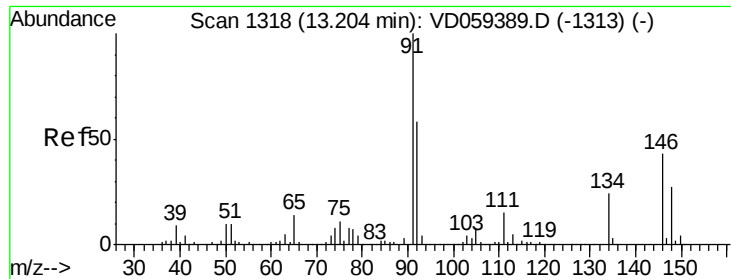
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	17.6	52.8
148	65.5	32.4	97.2



#88
 1,4-Dichlorobenzene
 Concen: 47.925 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.1	60.2
148	64.0	31.4	94.0

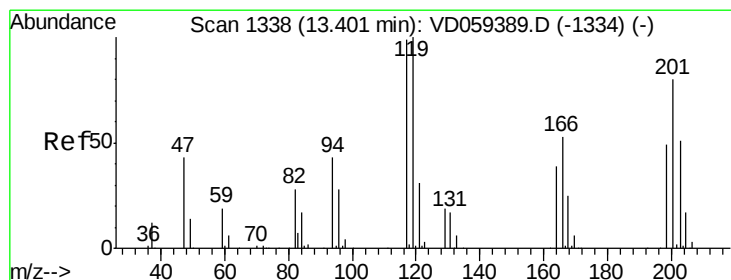
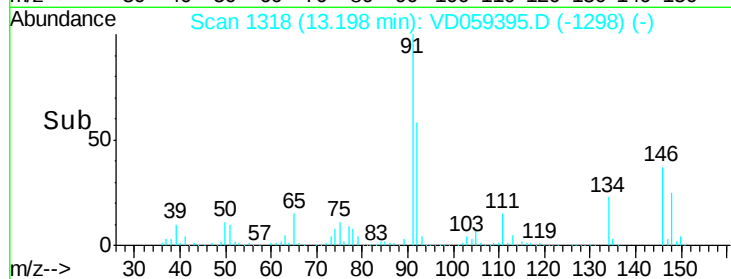
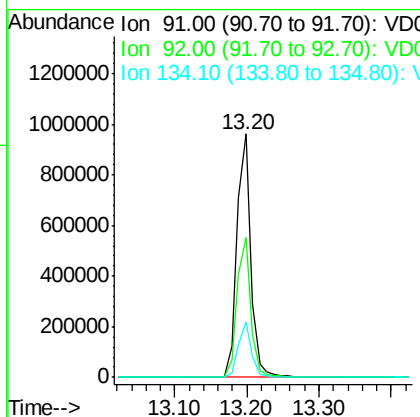
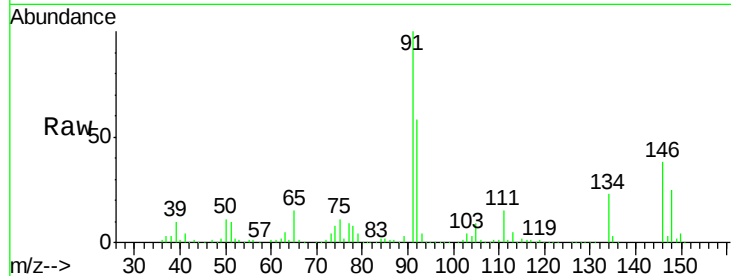




#89
n-Butylbenzene
Concen: 49.902 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

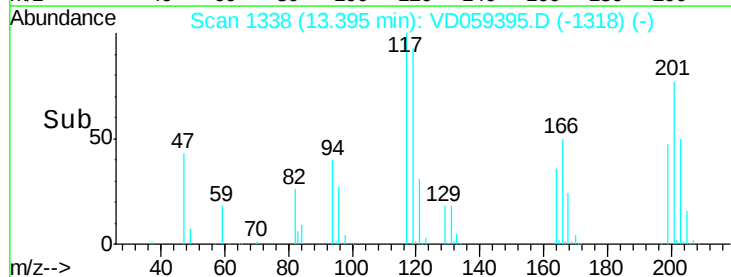
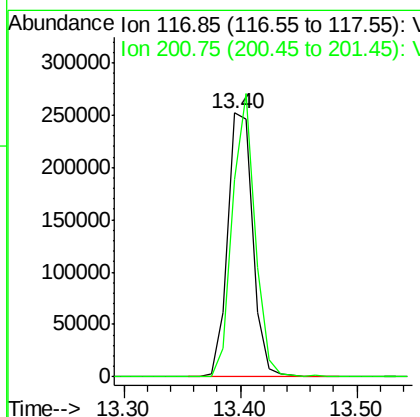
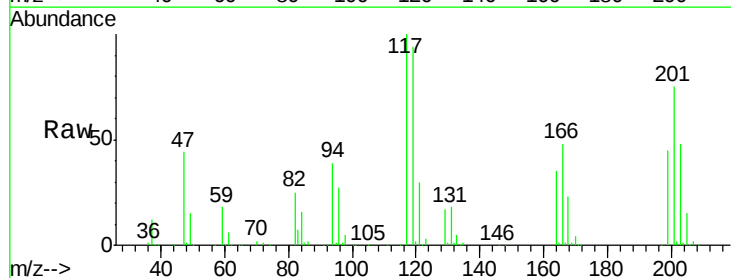
Instrument :
MSVOA_D
ClientSampled :

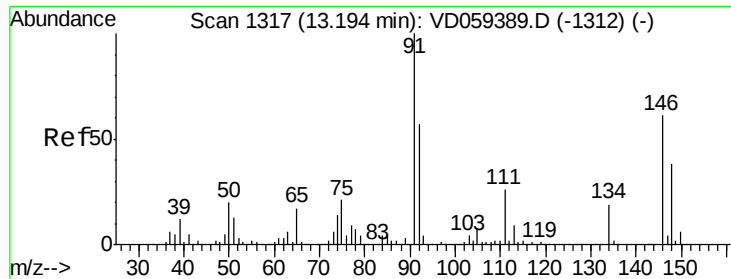
Tot Ion: 91 Resp: 1299341
Ion Ratio Lower Upper
91 100
92 57.7 28.8 86.5
134 22.6 11.9 35.7



#90
Hexachloroethane
Concen: 57.301 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059395.D
Acq: 25 Jun 2018 11:28

Tgt Ion: 117 Resp: 377100
Ion Ratio Lower Upper
117 100
201 74.8 40.1 120.3

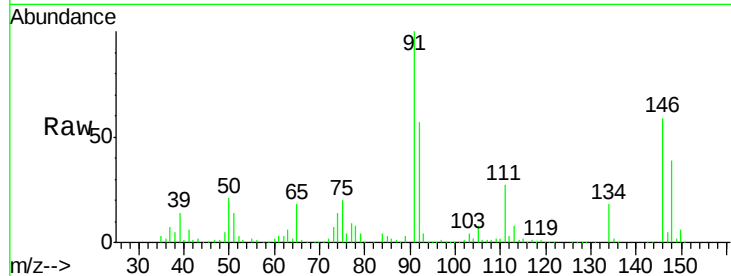




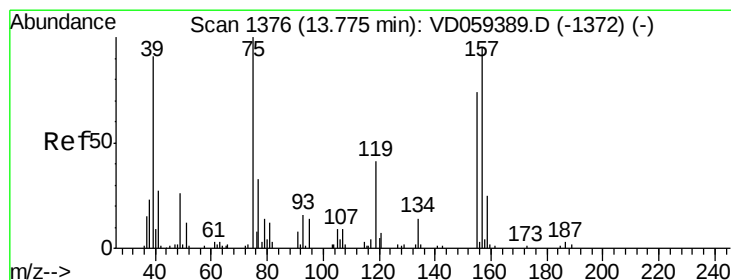
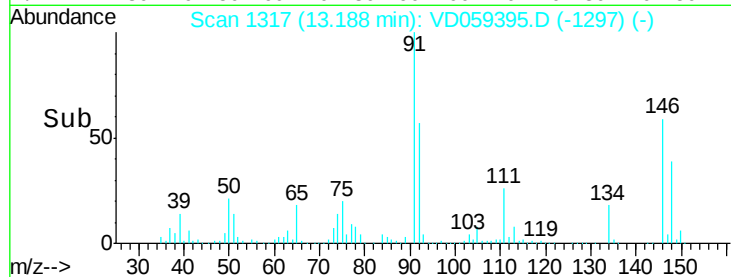
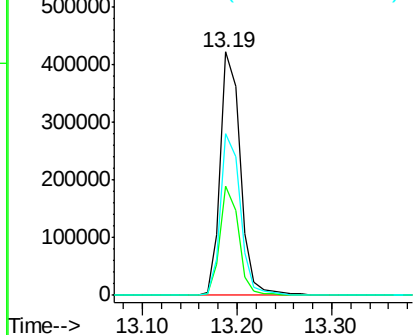
#91
 1,2-Dichlorobenzene
 Concen: 44.760 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:146 Resp: 618875
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.4 64.2
 148 66.3 31.6 95.0

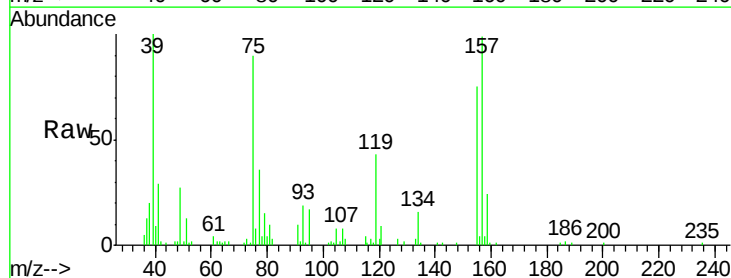


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

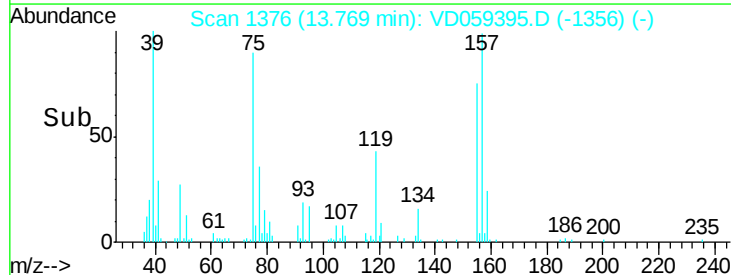
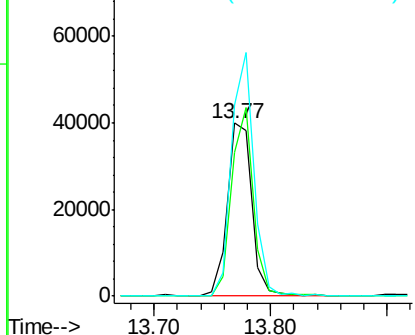


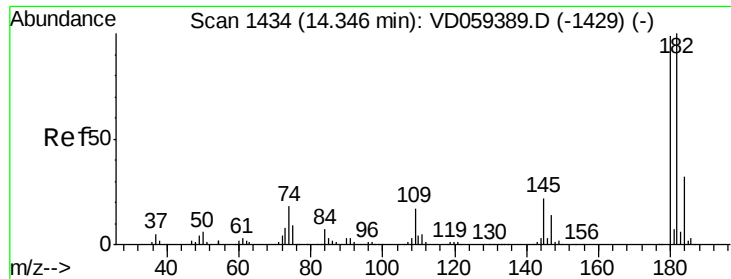
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.698 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Tgt Ion: 75 Resp: 58113
 Ion Ratio Lower Upper
 75 100
 155 83.5 37.2 111.6
 157 110.5 47.4 142.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

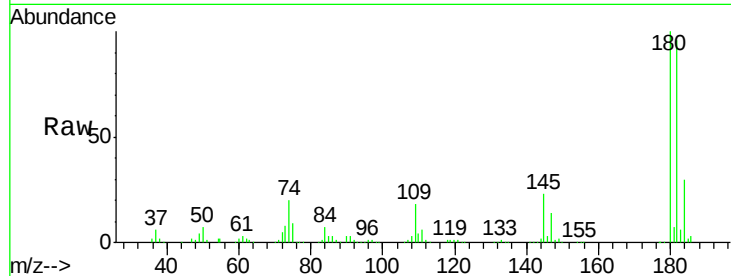




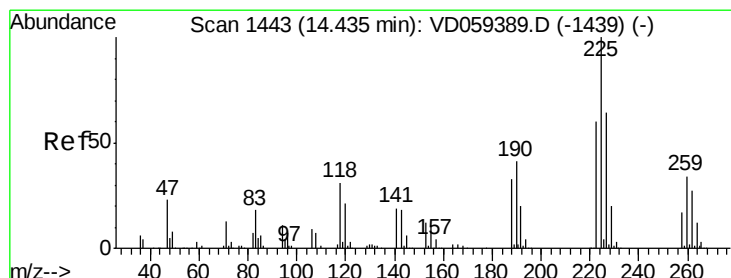
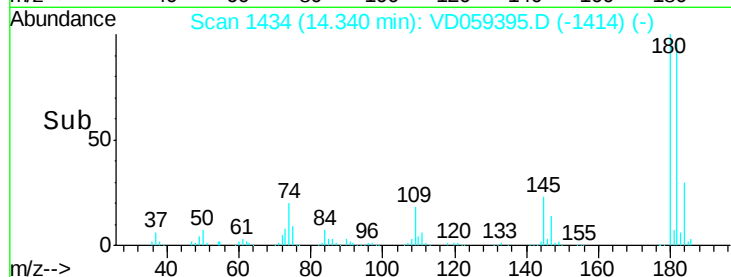
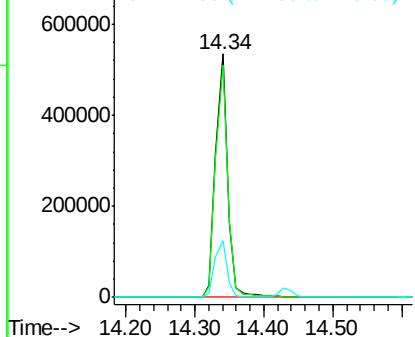
#93
 1,2,4-Trichlorobenzene
 Concen: 50.988 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 651786
 Ion Ratio Lower Upper
 180 100
 182 95.6 50.4 151.2
 145 23.3 11.0 33.0

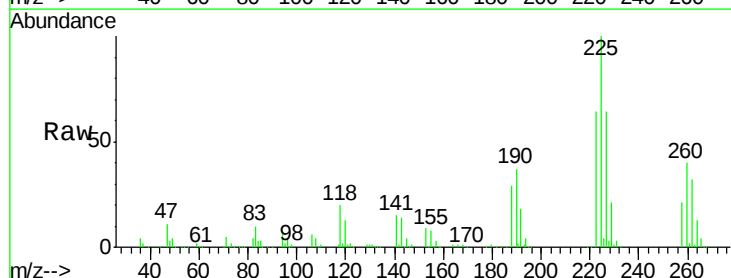


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

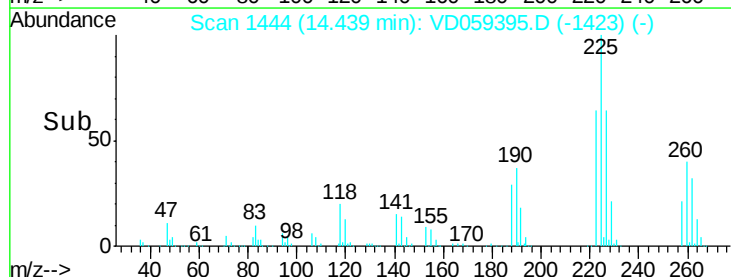
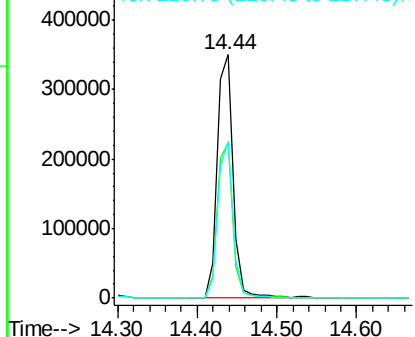


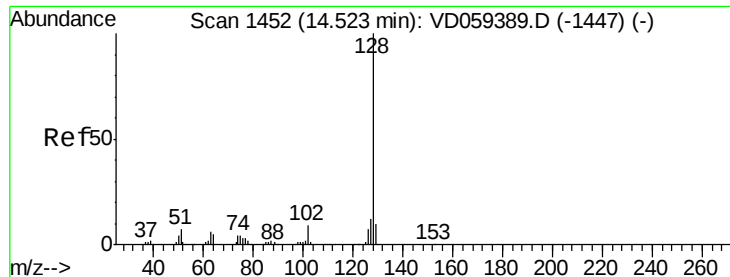
#94
 Hexachlorobutadiene
 Concen: 51.807 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059395.D
 Acq: 25 Jun 2018 11:28

Tgt Ion:225 Resp: 498340
 Ion Ratio Lower Upper
 225 100
 223 64.0 30.0 90.1
 227 64.5 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 46.812 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

Instrument :

MSVOA_D

ClientSampleId :

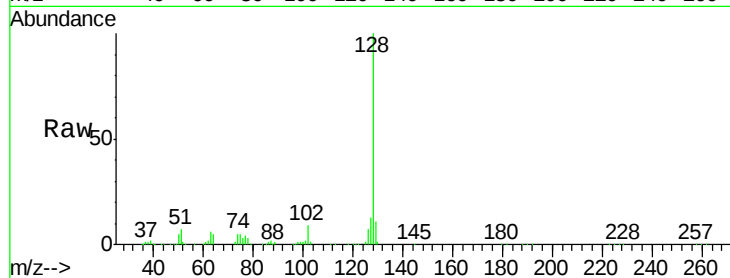
Tot Ion:128 Resp: 833992

Ion Ratio Lower Upper

128 100

127 12.9 9.6 14.4

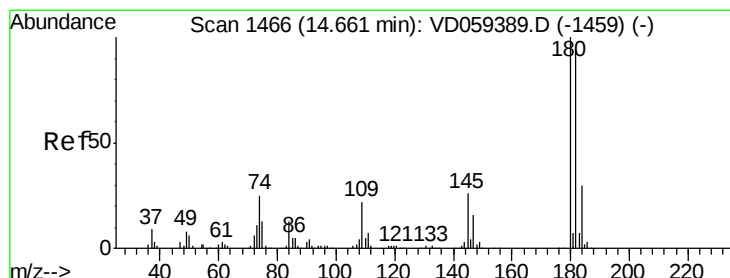
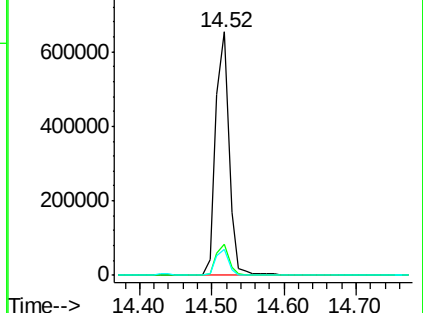
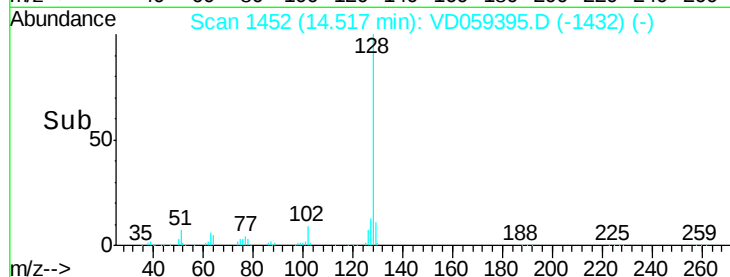
129 10.9 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.902 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD059395.D

Acq: 25 Jun 2018 11:28

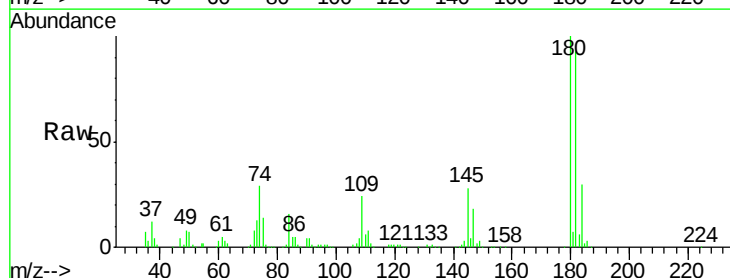
Tgt Ion:180 Resp: 550569

Ion Ratio Lower Upper

180 100

182 93.2 47.1 141.4

145 27.8 13.1 39.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

