

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059399.D
 Acq On : 25 Jun 2018 15:19
 Operator : VA/AP
 Sample : VD0625SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

Quant Time: Jun 26 06:45:56 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	5.64	168	920937	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1184219	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	941880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	495884	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	416569	44.23	ug/l	-0.02
Spiked Amount			Recovery	=	88.46%	
35) Dibromofluoromethane	5.54	113	439445	45.56	ug/l	-0.02
Spiked Amount			Recovery	=	91.12%	
50) Toluene-d8	8.70	98	1019688	45.22	ug/l	-0.02
Spiked Amount			Recovery	=	90.44%	
62) 4-Bromofluorobenzene	11.93	95	437682	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	203210	24.801	ug/l	99
3) Chloromethane	1.48	50	101917	23.904	ug/l	95
4) Vinyl Chloride	1.55	62	102902	23.264	ug/l	91
5) Bromomethane	1.79	94	34361	20.800	ug/l	88
6) Chloroethane	1.87	64	34711	17.134	ug/l	98
7) Trichlorofluoromethane	2.07	101	141001	22.107	ug/l	98
8) Diethyl Ether	2.34	74	30483	21.122	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.54	101	93407	23.566	ug/l	88
10) Methyl Iodide	2.68	142	101650	21.956	ug/l	95
11) Tert butyl alcohol	3.25	59	28244	86.688	ug/l	95
12) 1,1-Dichloroethene	2.54	96	64614	21.293	ug/l	96
13) Acrolein	2.46	56	36388	124.930	ug/l	96
14) Allyl chloride	2.91	41	156872	22.585	ug/l	99
15) Acrylonitrile	3.35	53	92184	92.190	ug/l	88
16) Acetone	2.61	43	127542	107.302	ug/l	97
17) Carbon Disulfide	2.74	76	217610	23.415	ug/l	97
18) Methyl Acetate	2.93	43	57152	21.122	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	260020	17.409	ug/l	98
20) Methylene Chloride	3.06	84	93173	27.124	ug/l	97
21) trans-1,2-Dichloroethene	3.37	96	89995	16.773	ug/l #	82
22) Diisopropyl ether	4.06	45	551636	21.109	ug/l	94
23) Vinyl Acetate	4.00	43	1445290	106.147	ug/l	99
24) 1,1-Dichloroethane	3.96	63	315908	21.125	ug/l	98
25) 2-Butanone	4.83	43	249354	100.145	ug/l	94
26) 2,2-Dichloropropane	4.78	77	274819	23.698	ug/l	99
27) cis-1,2-Dichloroethene	4.79	96	182462	20.237	ug/l	93
28) Bromochloromethane	5.14	49	126555	19.521	ug/l	91
29) Tetrahydrofuran	5.17	42	133402	97.949	ug/l	98
30) Chloroform	5.31	83	352185	21.608	ug/l	98
31) Cyclohexane	5.58	56	241376	22.301	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	290966	22.046	ug/l	96
36) 1,1-Dichloropropene	5.74	75	241638	22.494	ug/l	95
37) Ethyl Acetate	4.92	43	128365	19.621	ug/l	97
38) Carbon Tetrachloride	5.72	117	254039	22.937	ug/l	99

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 Data File : VD059399.D
 Acq On : 25 Jun 2018 15:19
 Operator : VA/AP
 Sample : VD0625SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0625SBS02

Quant Time: Jun 26 06:45:56 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	7.27	83	234006	22.967	ug/l	93
40) Benzene	6.00	78	573097	22.231	ug/l	98
41) Methacrylonitrile	5.12	41	61011	19.362	ug/l	96
42) 1,2-Dichloroethane	6.12	62	237032	20.809	ug/l	96
43) Isopropyl Acetate	7.62	43	163474	19.898	ug/l #	98
44) Trichloroethene	6.98	130	176365	20.894	ug/l	93
45) 1,2-Dichloropropane	7.34	63	154805	21.681	ug/l	98
46) Dibromomethane	7.46	93	106033	20.650	ug/l #	77
47) Bromodichloromethane	7.73	83	246029	21.413	ug/l	98
48) Methyl methacrylate	7.50	41	101111	20.200	ug/l	97
49) 1,4-Dioxane	7.48	88	21181	421.940	ug/l #	86
51) 4-Methyl-2-Pentanone	8.59	43	554878	101.353	ug/l	97
52) Toluene	8.80	92	317192	20.602	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	200414	20.874	ug/l	96
54) cis-1,3-Dichloropropene	8.35	75	233169	20.974	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	116078	20.766	ug/l	94
56) Ethyl methacrylate	9.31	69	130151	20.405	ug/l	96
57) 1,3-Dichloropropane	9.66	76	185603	20.302	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	344734	104.987	ug/l	95
59) 2-Hexanone	9.78	43	401925	103.295	ug/l	99
60) Dibromochloromethane	9.95	129	160533	20.508	ug/l	96
61) 1,2-Dibromoethane	10.09	107	125375	20.141	ug/l	97
64) Tetrachloroethene	9.51	164	172542	20.882	ug/l	99
65) Chlorobenzene	10.72	112	378452	21.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	152514	23.070	ug/l	95
67) Ethyl Benzene	10.85	91	694083	23.883	ug/l	99
68) m/p-Xylenes	11.00	106	444176	46.067	ug/l	98
69) o-Xylene	11.40	106	224402	23.541	ug/l	89
70) Styrene	11.43	104	384347	23.522	ug/l	98
71) Bromoform	11.59	173	115984	21.178	ug/l	95
73) Isopropylbenzene	11.77	105	630430	22.529	ug/l	96
74) N-amyl acetate	11.64	43	213819	20.083	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	133177	20.286	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	147300	21.535	ug/l	100
77) Bromobenzene	12.04	156	198934	22.587	ug/l	95
78) n-propylbenzene	12.14	91	815309	23.004	ug/l	96
79) 2-Chlorotoluene	12.21	91	469680	22.566	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	499271	22.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	34015	21.879	ug/l	91
82) 4-Chlorotoluene	12.32	91	522433	22.136	ug/l	93
83) tert-Butylbenzene	12.57	119	553597	23.362	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	514119	21.807	ug/l	98
85) sec-Butylbenzene	12.75	105	633423	21.783	ug/l	96
86) p-Isopropyltoluene	12.88	119	544494	23.232	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	327349	22.592	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	320342	22.404	ug/l	96
89) n-Butylbenzene	13.19	91	570843	24.674	ug/l	96
90) Hexachloroethane	13.39	117	131444	22.479	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	290550	23.650	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	23556	21.760	ug/l	96

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Data File : VD059399.D
Acq On : 25 Jun 2018 15:19
Operator : VA/AP
Sample : VD0625SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

Quant Time: Jun 26 06:45:56 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

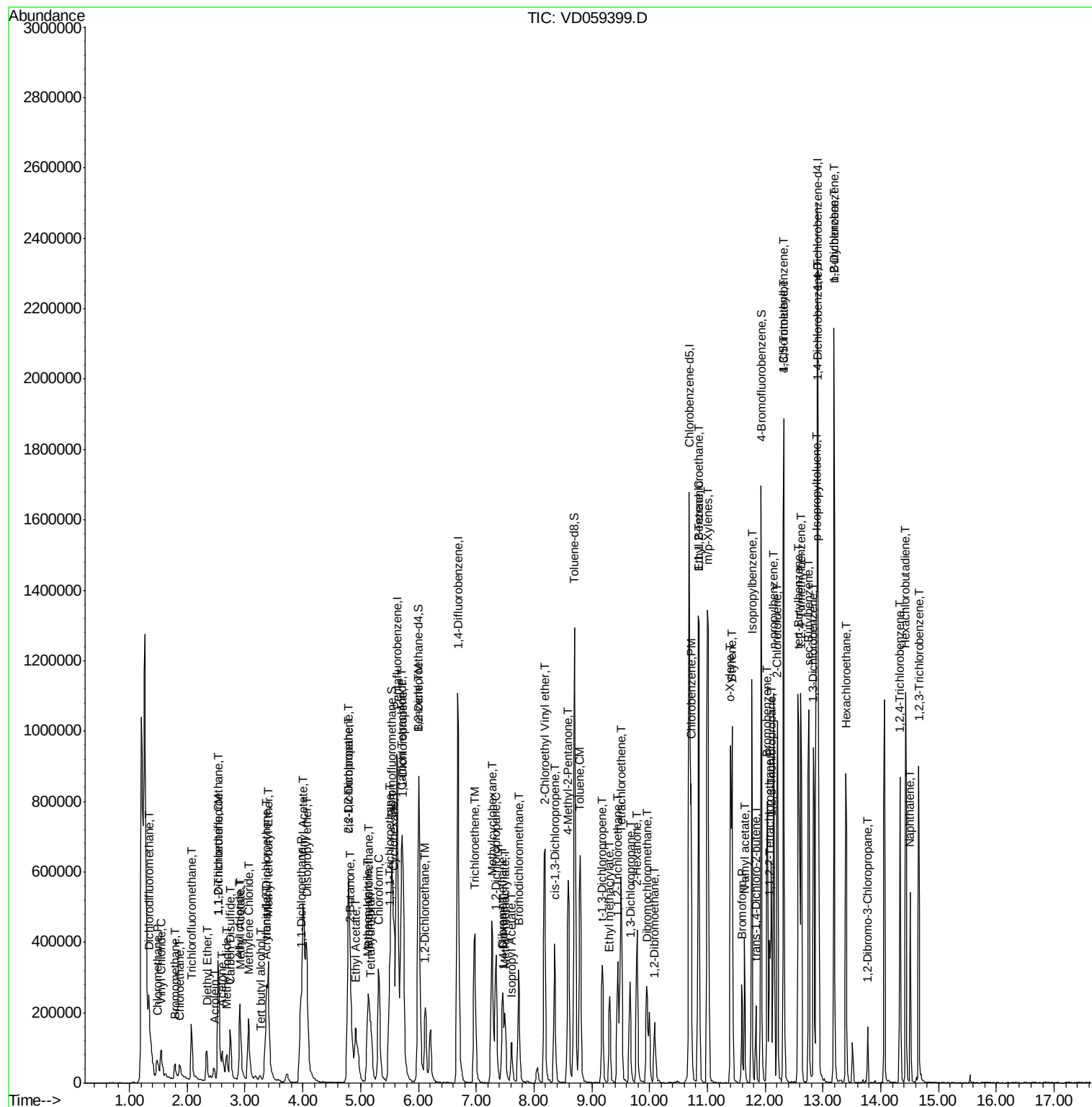
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	248840	21.909	ug/l	95
94) Hexachlorobutadiene	14.43	225	192263	22.495	ug/l	98
95) Naphthalene	14.51	128	330886	20.903	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	225701	22.101	ug/l	100

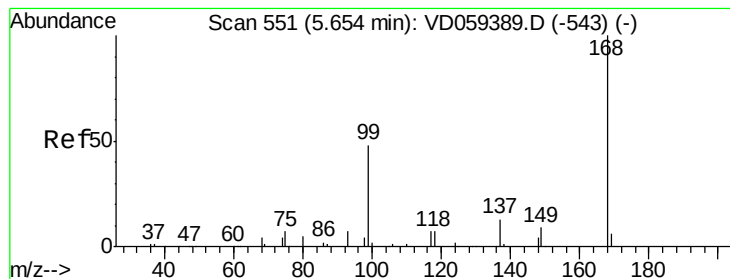
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059399.D
 Acq On : 25 Jun 2018 15:19
 Operator : VA/AP
 Sample : VD0625SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0625SBSD02

Quant Time: Jun 26 06:45:56 2018
 Quant Method : Z:\V0ASRV\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: 5.64 min Scan# 550

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

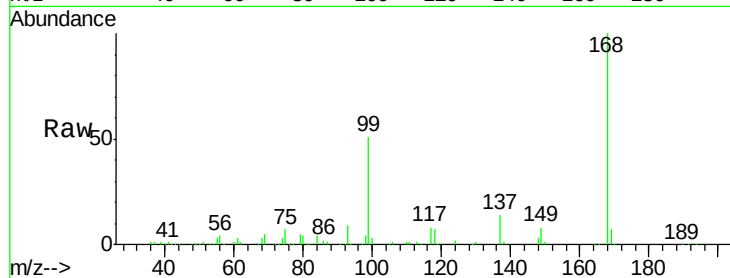
VD0625SBSD02

Tot Ion:168 Resp: 920937

Ion Ratio Lower Upper

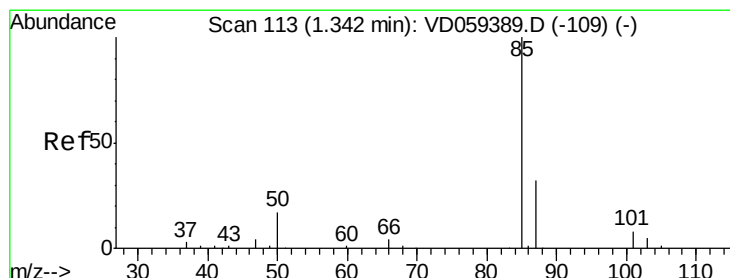
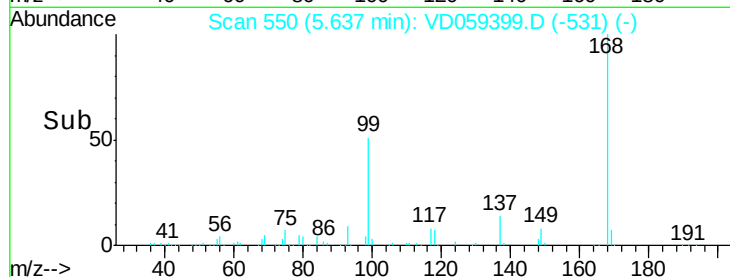
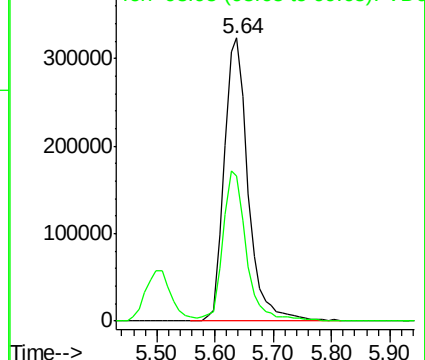
168 100

99 51.1 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: 24.801 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.01 min

Lab File: VD059399.D

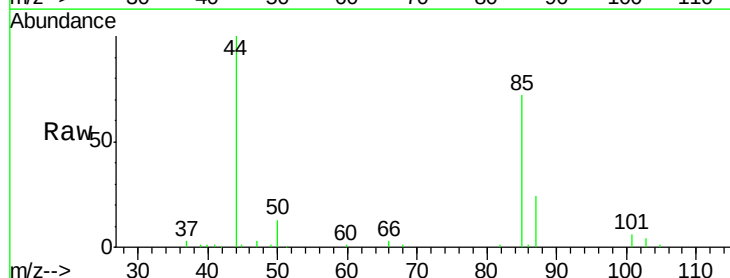
Acq: 25 Jun 2018 15:19

Tgt Ion: 85 Resp: 203210

Ion Ratio Lower Upper

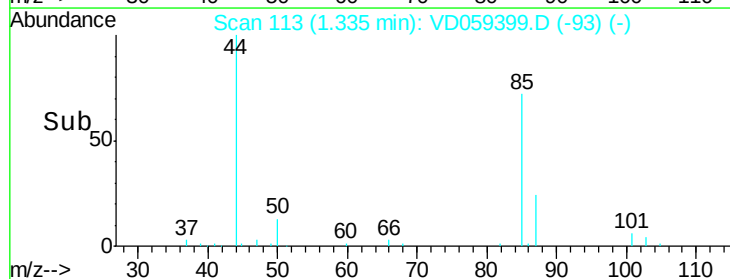
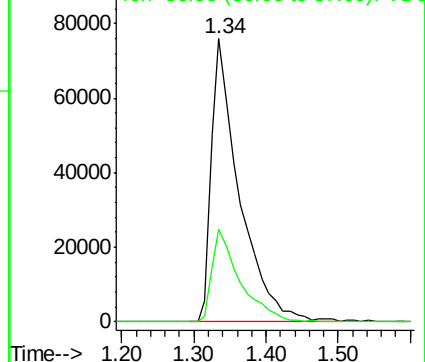
85 100

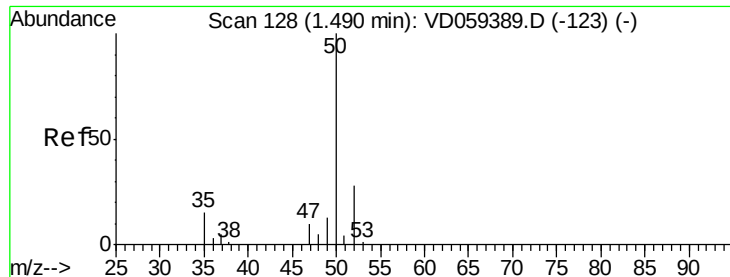
87 32.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.904 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

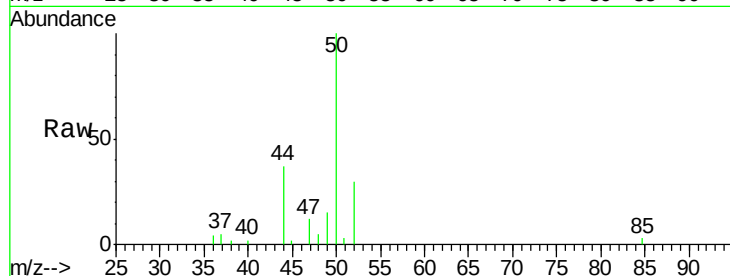
VD0625SBS02

Tot Ion: 50 Resp: 101917

Ion Ratio Lower Upper

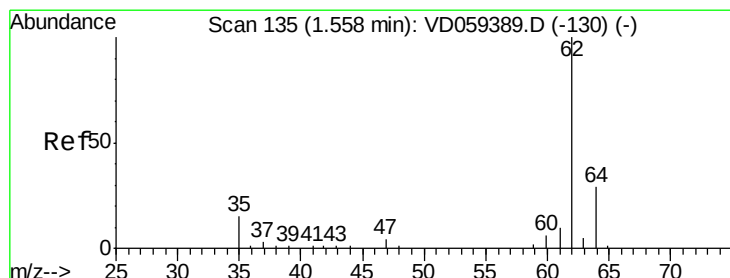
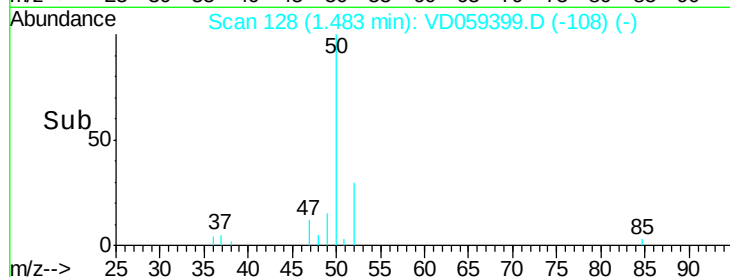
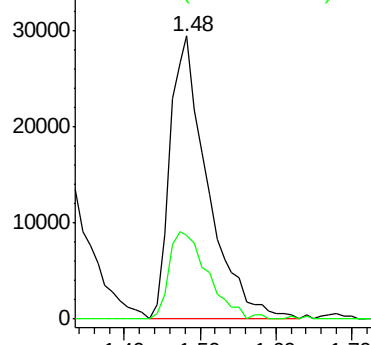
50 100

52 29.7 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: 23.264 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD059399.D

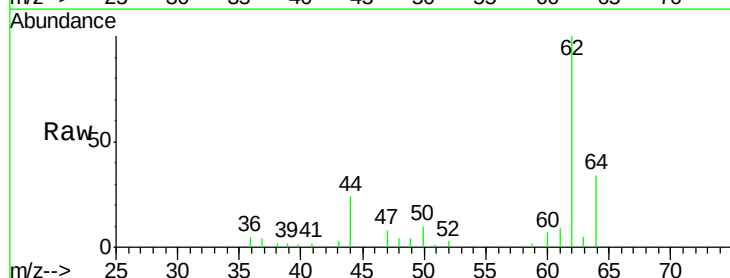
Acq: 25 Jun 2018 15:19

Tgt Ion: 62 Resp: 102902

Ion Ratio Lower Upper

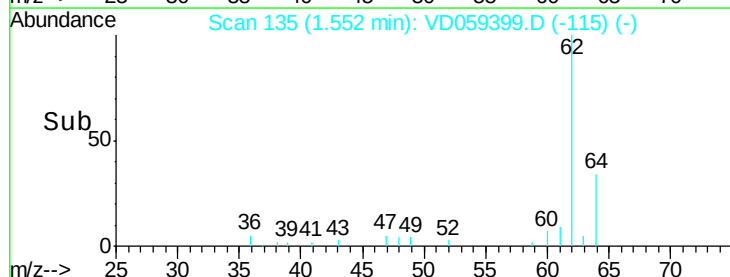
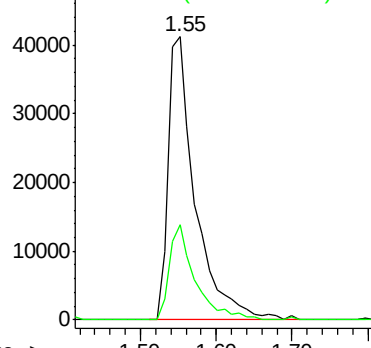
62 100

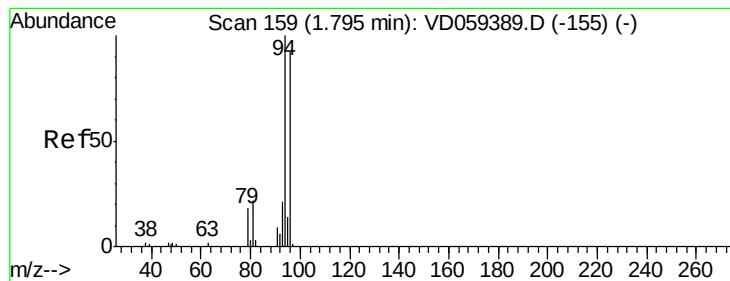
64 33.6 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.800 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

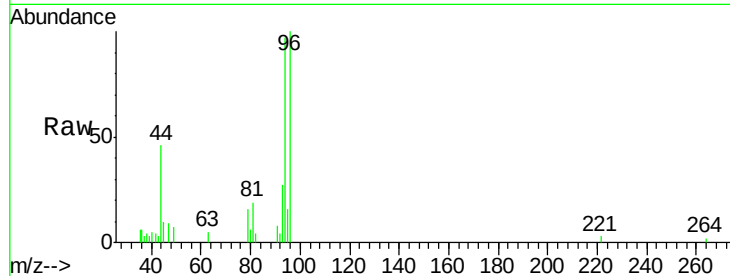
VD0625SBSD02

Tot Ion: 94 Resp: 34361

Ion Ratio Lower Upper

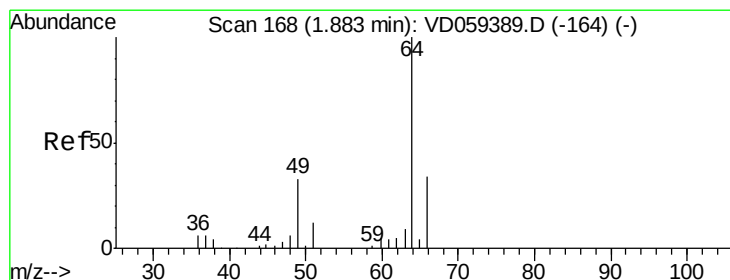
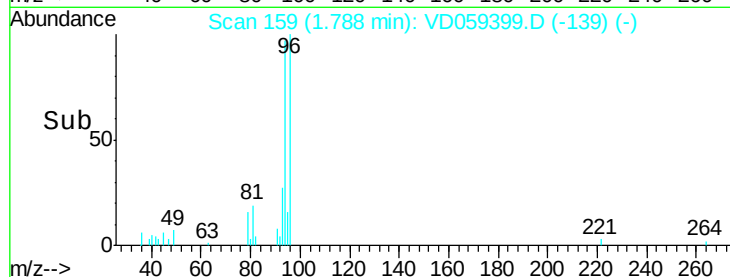
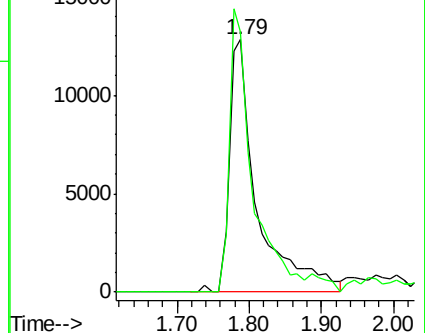
94 100

96 103.1 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.134 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.02 min

Lab File: VD059399.D

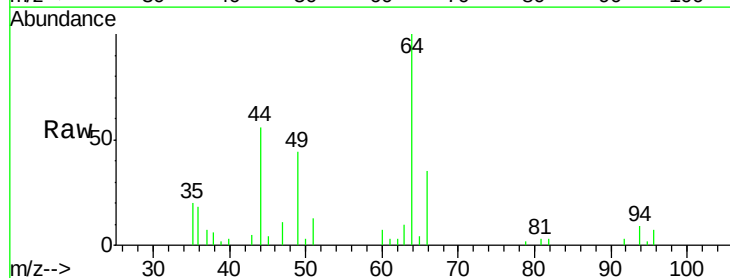
Acq: 25 Jun 2018 15:19

Tgt Ion: 64 Resp: 34711

Ion Ratio Lower Upper

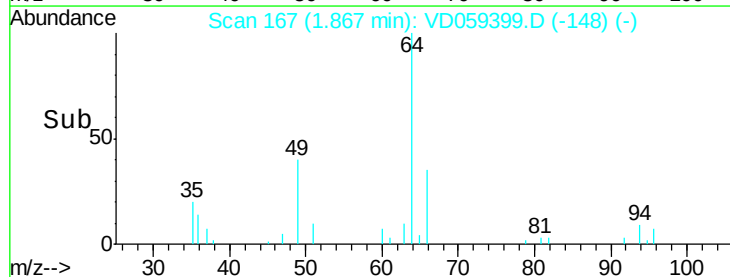
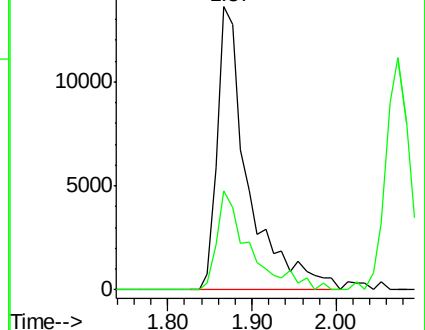
64 100

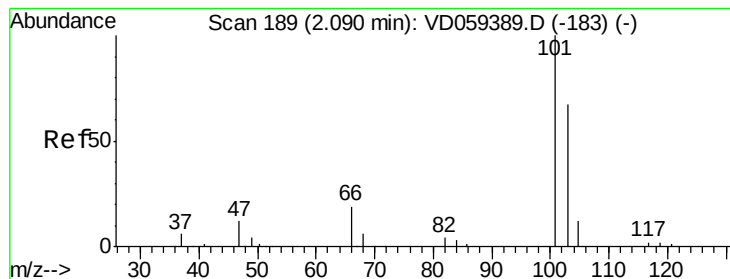
66 35.1 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



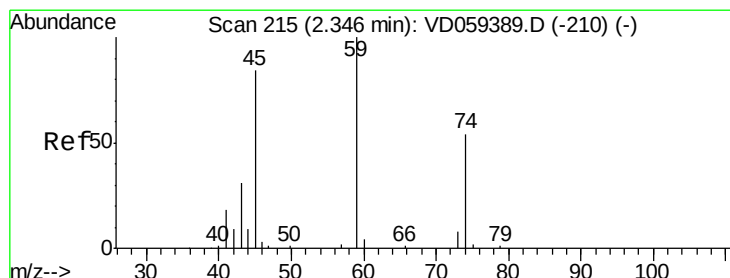
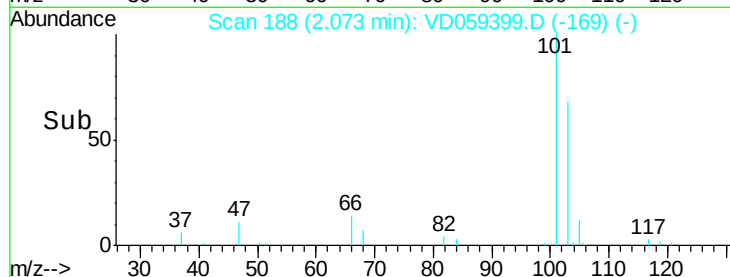
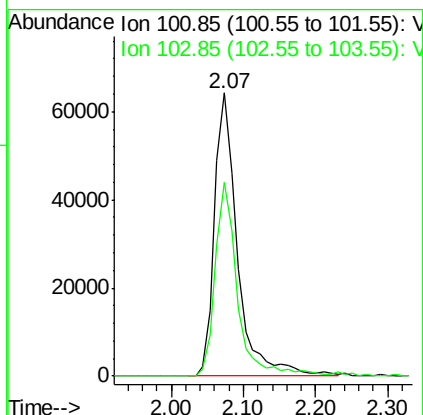
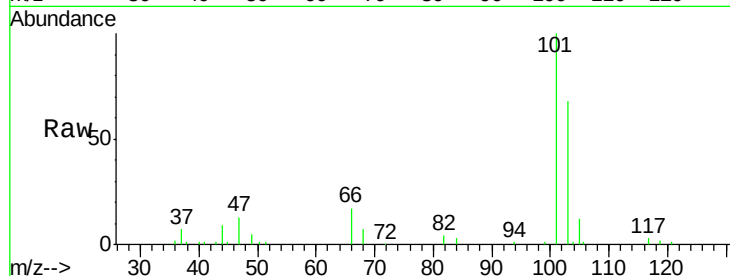


#7

Trichlorofluoromethane
 Concen: 22.107 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

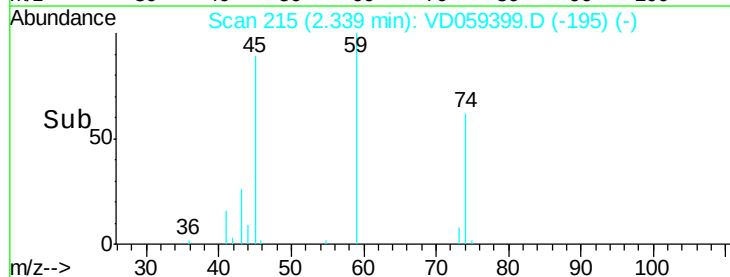
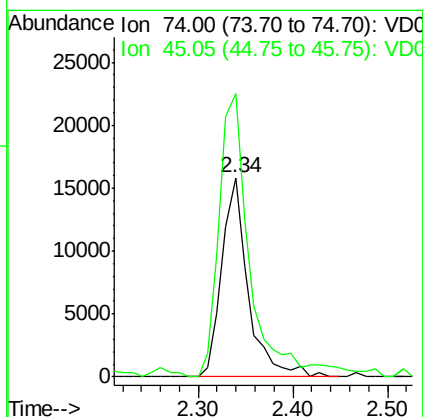
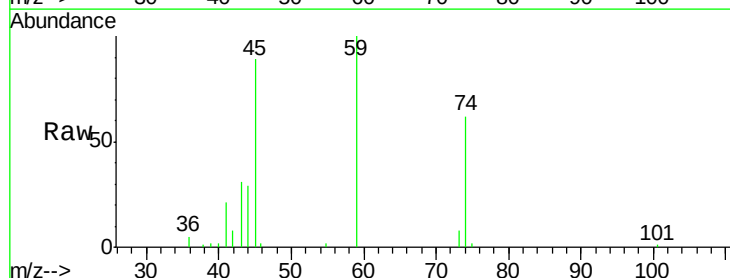
Tot Ion:101 Resp: 141001
 Ion Ratio Lower Upper
 101 100
 103 68.5 53.4 80.0

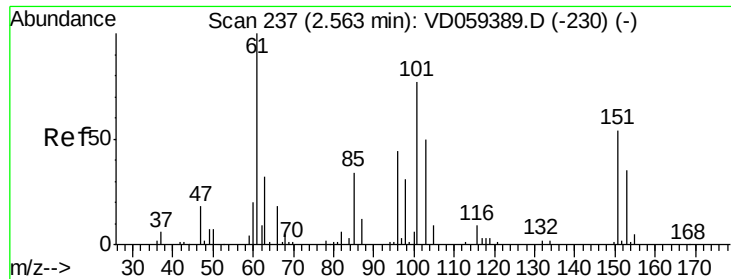


#8

Diethyl Ether
 Concen: 21.122 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion: 74 Resp: 30483
 Ion Ratio Lower Upper
 74 100
 45 142.1 78.0 233.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.566 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.03 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

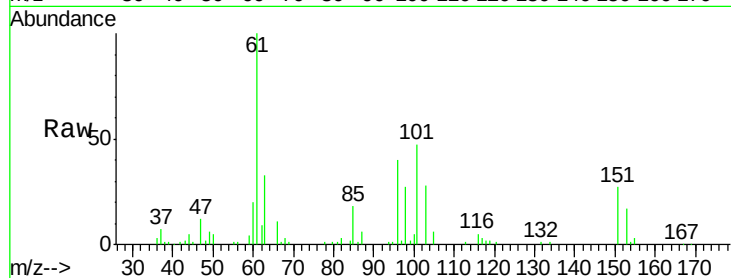
Tot Ion:101 Resp: 93407

Ion Ratio Lower Upper

101 100

85 38.8 35.7 53.5

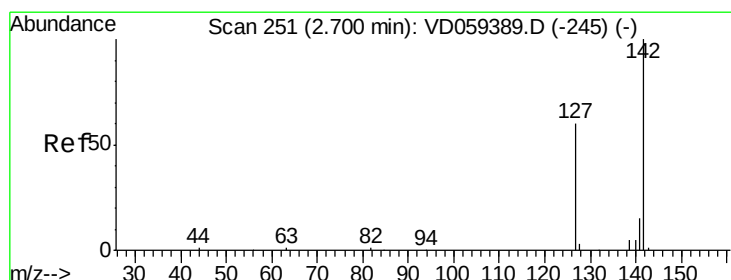
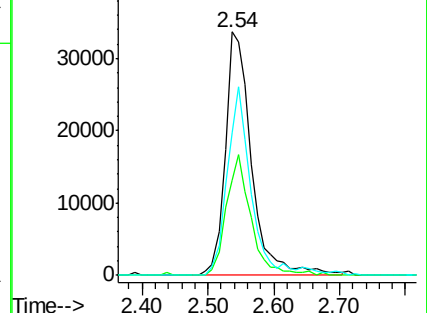
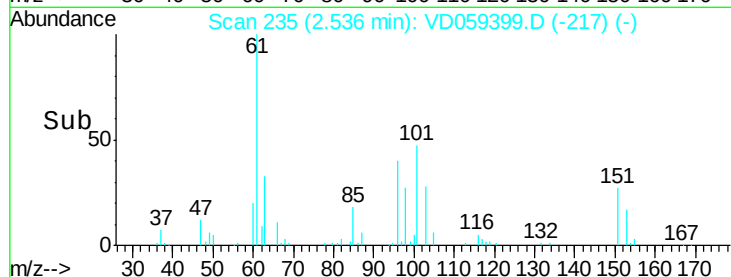
151 58.3 55.8 83.8



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: 21.956 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

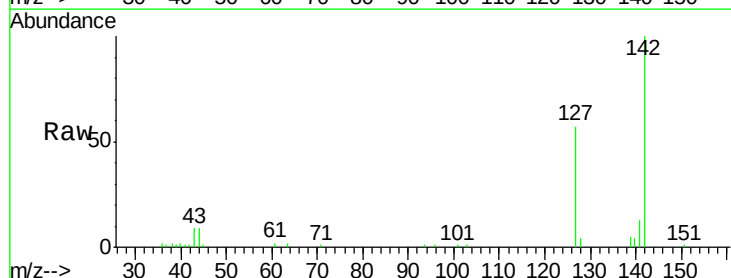
Tgt Ion:142 Resp: 101650

Ion Ratio Lower Upper

142 100

127 56.6 48.4 72.6

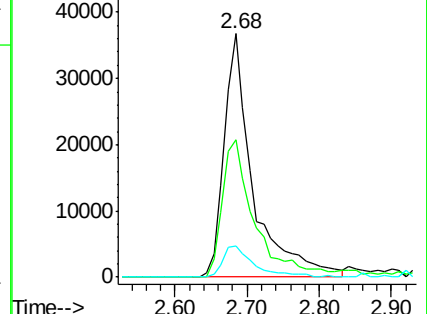
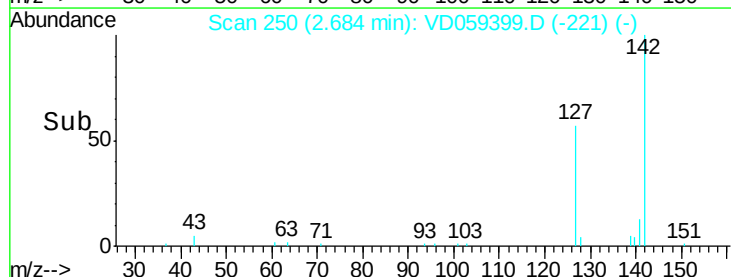
141 12.6 12.1 18.1

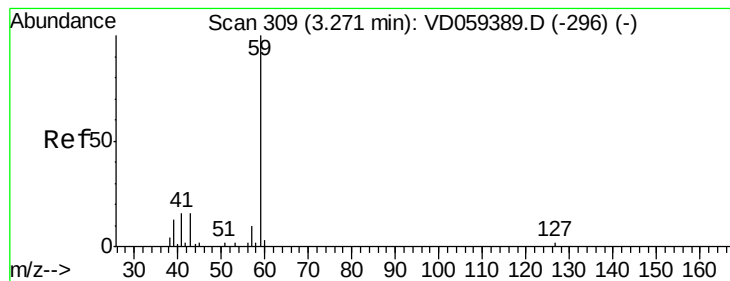


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



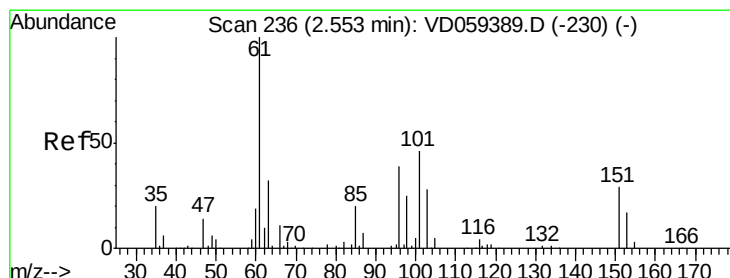
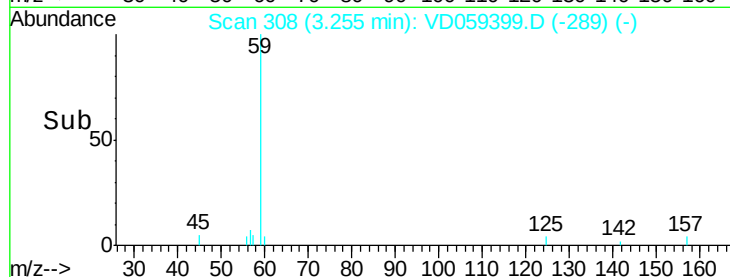
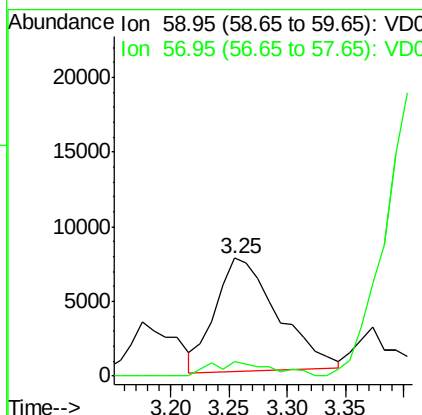
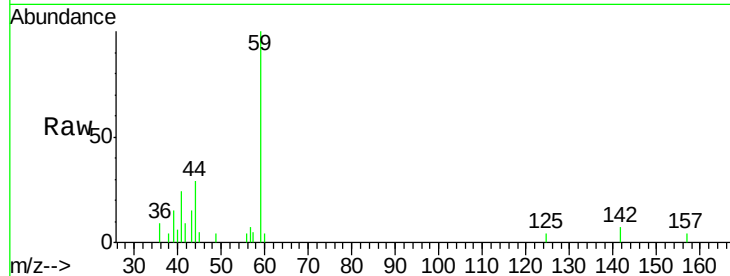


#11

Tert butyl alcohol
 Concen: 86.688 ug/l
 RT: 3.25 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

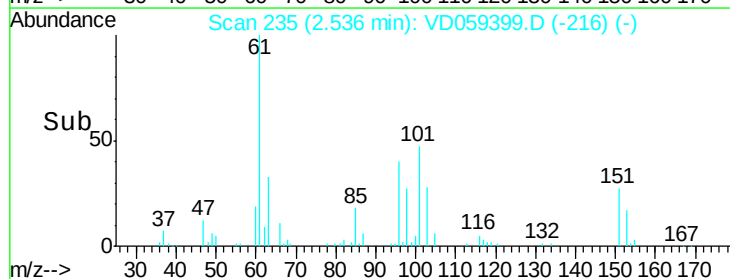
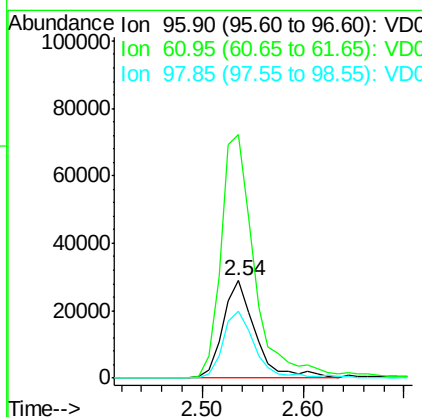
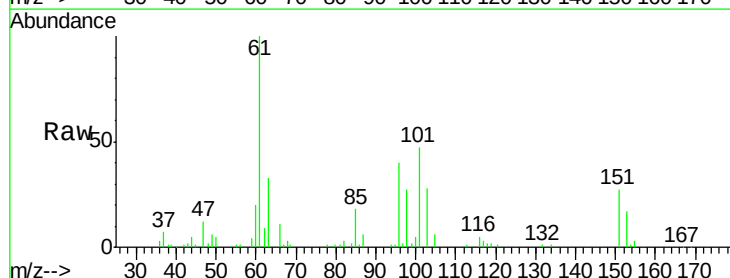
Tot Ion: 59 Resp: 28244
 Ion Ratio Lower Upper
 59 100
 57 12.3 8.3 12.5

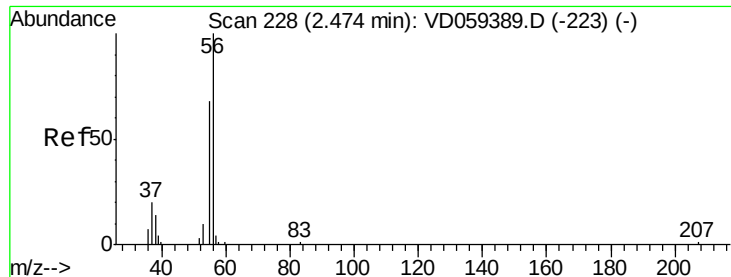


#12

1,1-Dichloroethene
 Concen: 21.293 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion: 96 Resp: 64614
 Ion Ratio Lower Upper
 96 100
 61 250.1 205.4 308.0
 98 68.6 51.0 76.4





#13

Acrolein

Concen: 124.930 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

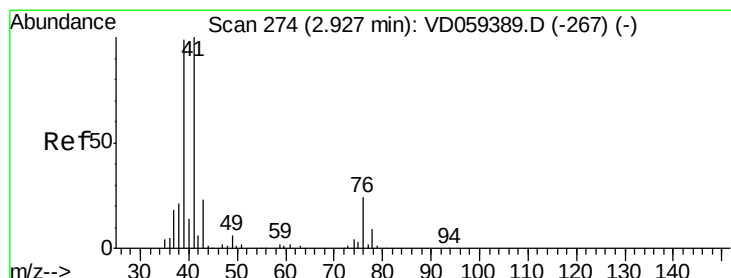
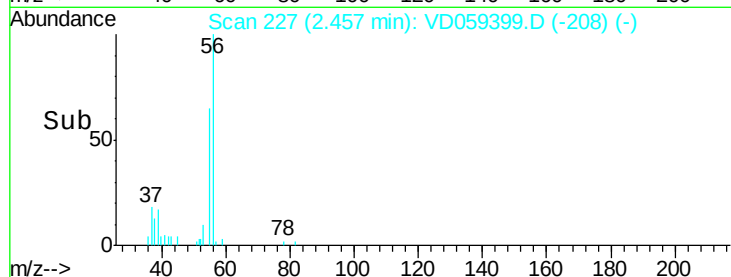
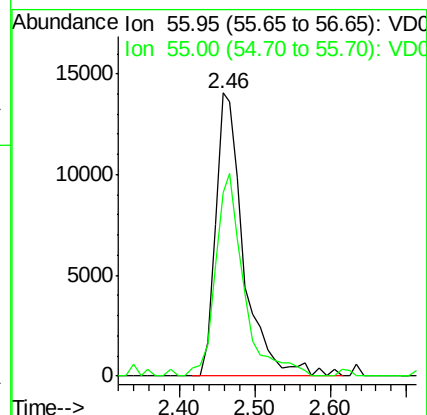
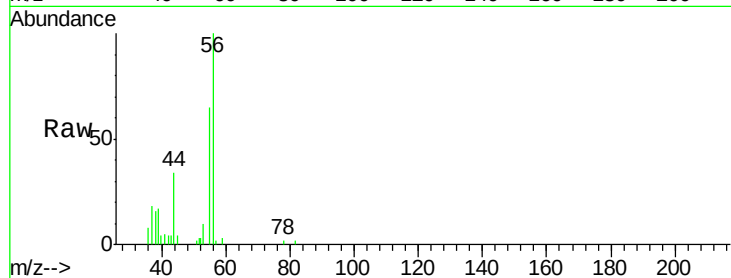
VD0625SBSD02

Tot Ion: 56 Resp: 36388

Ion Ratio Lower Upper

56 100

55 65.0 54.6 82.0



#14

Allyl chloride

Concen: 22.585 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

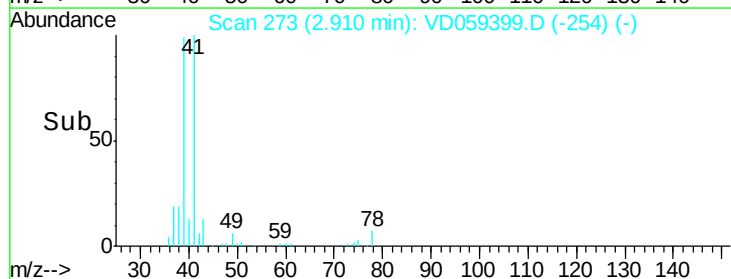
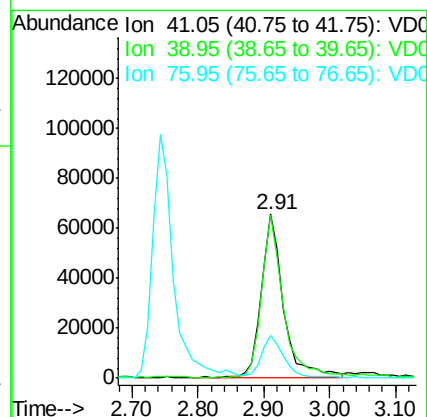
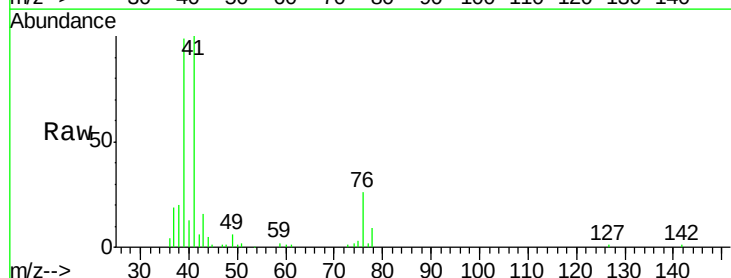
Tgt Ion: 41 Resp: 156872

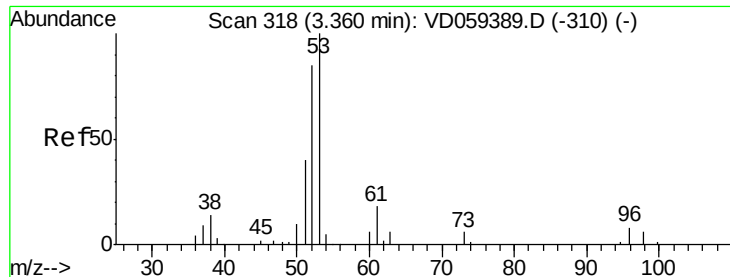
Ion Ratio Lower Upper

41 100

39 99.1 79.1 118.7

76 26.0 21.9 32.9





#15

Acrylonitrile

Concen: 92.190 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

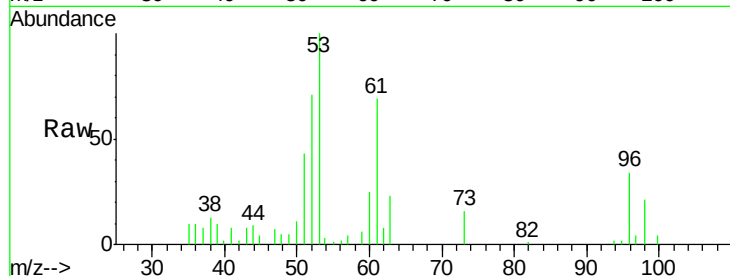
Tot Ion: 53 Resp: 92184

Ion Ratio Lower Upper

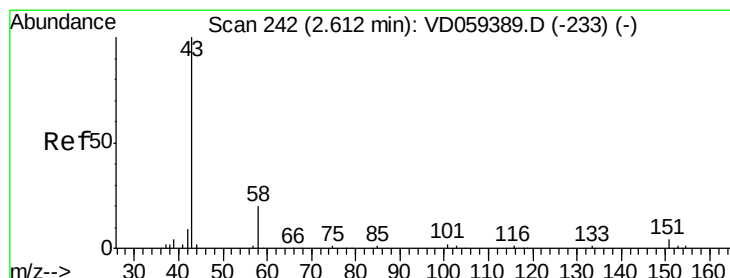
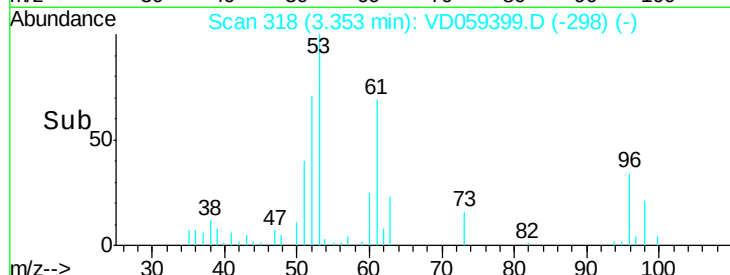
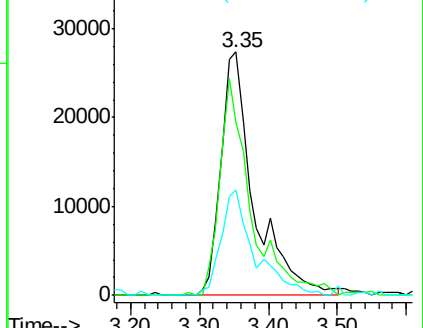
53 100

52 71.1 67.9 101.9

51 43.1 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: 107.302 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059399.D

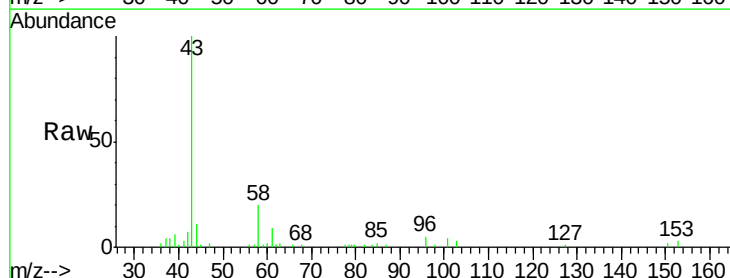
Acq: 25 Jun 2018 15:19

Tgt Ion: 43 Resp: 127542

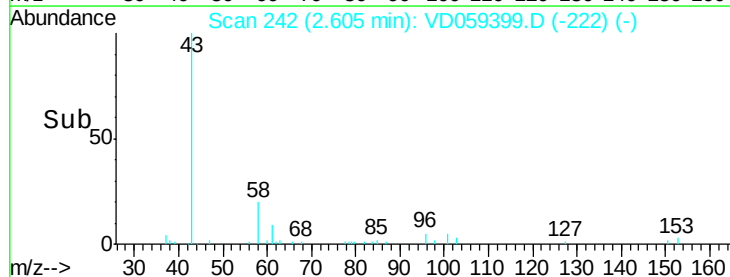
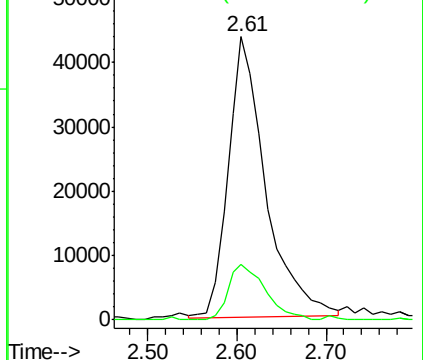
Ion Ratio Lower Upper

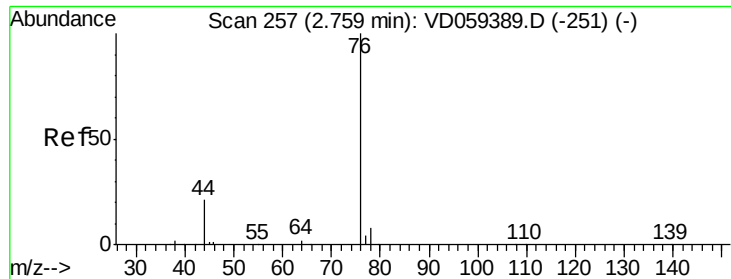
43 100

58 19.7 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: 23.415 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

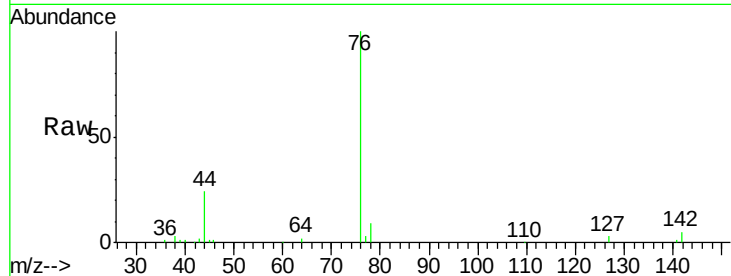
VD0625SBSD02

Tot Ion: 76 Resp: 217610

Ion Ratio Lower Upper

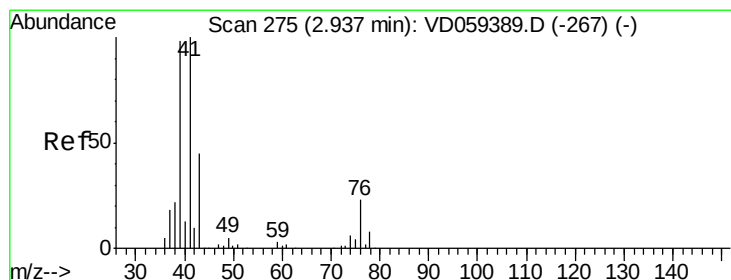
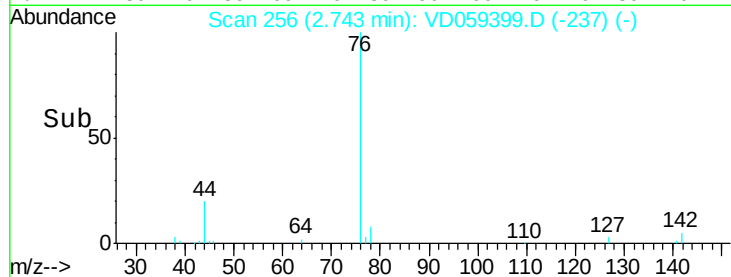
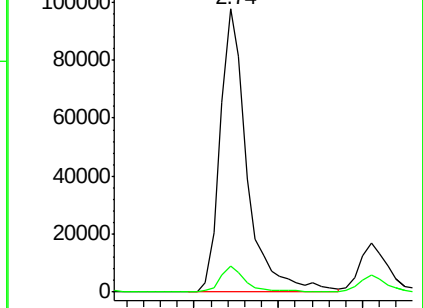
76 100

78 9.4 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: 21.122 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD059399.D

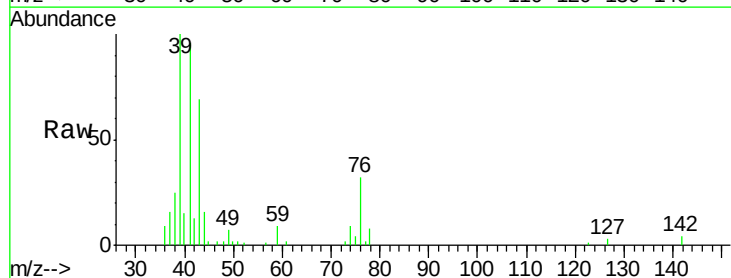
Acq: 25 Jun 2018 15:19

Tgt Ion: 43 Resp: 57152

Ion Ratio Lower Upper

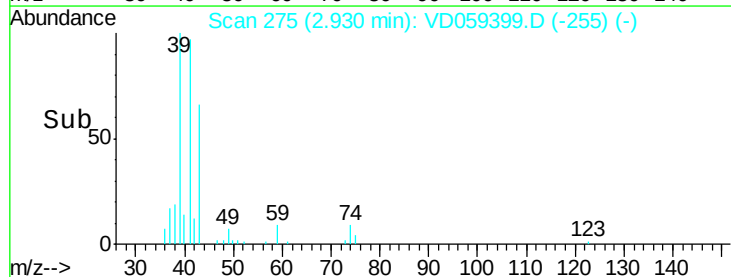
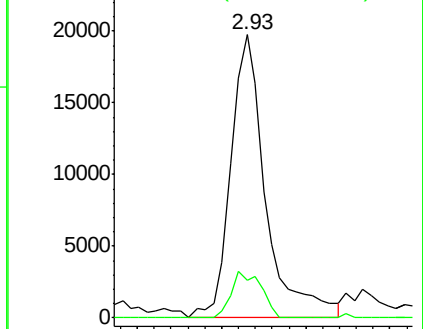
43 100

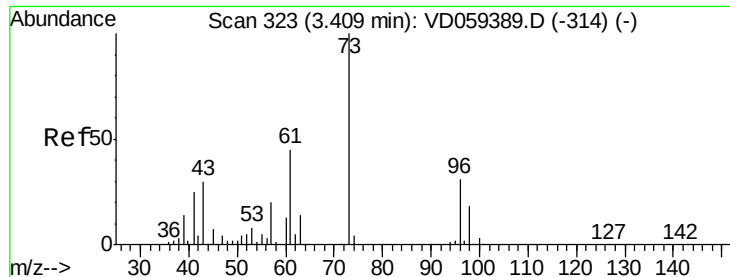
74 13.2 11.0 16.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

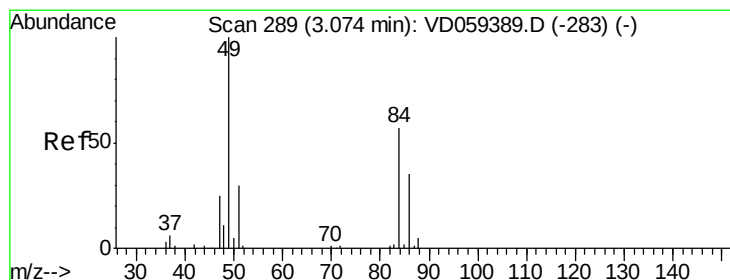
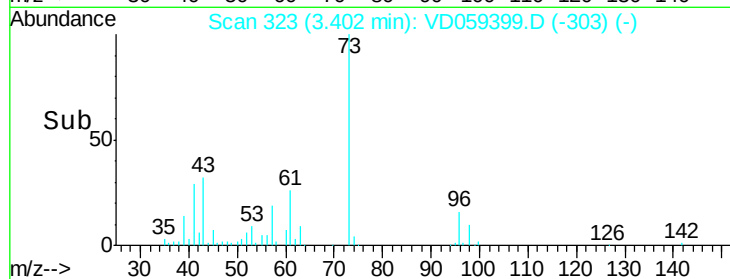
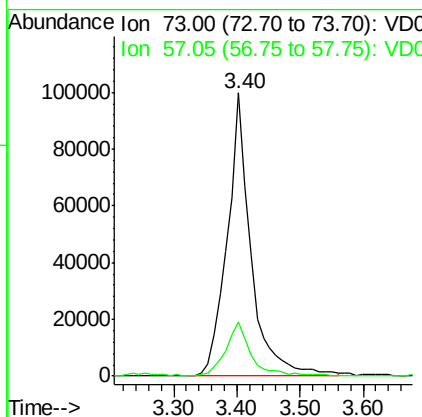
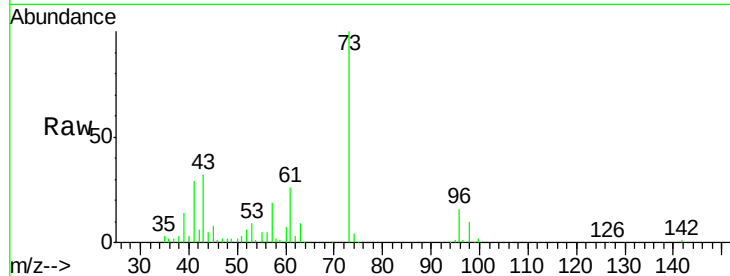




#19
Methyl tert-butyl Ether
Concen: 17.409 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

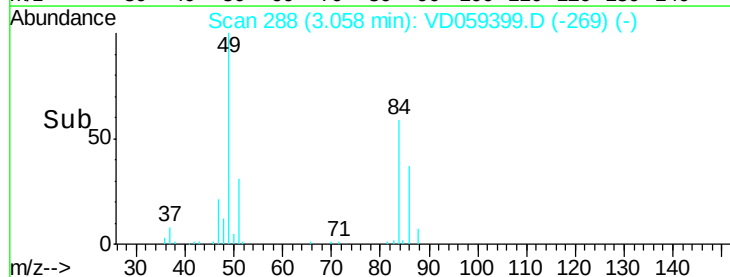
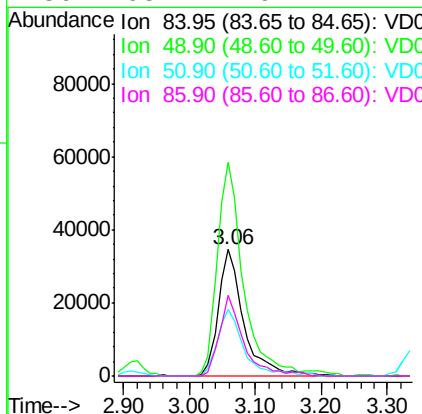
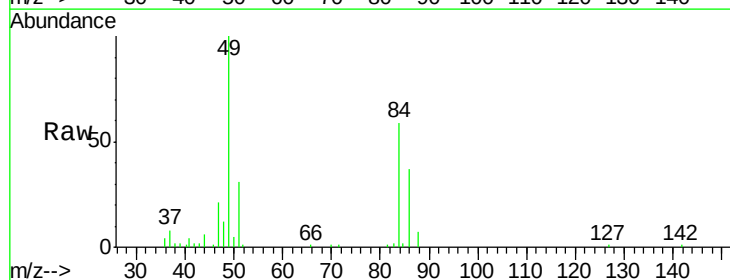
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

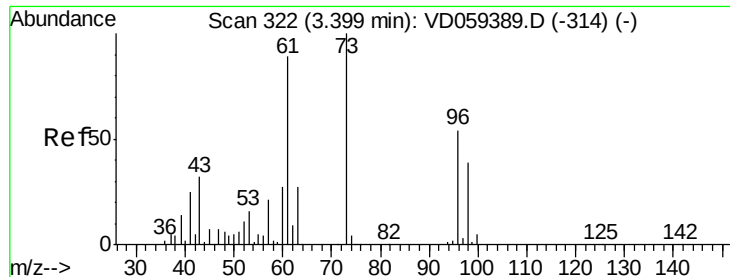
Tot Ion: 73 Resp: 260020
Ion Ratio Lower Upper
73 100
57 19.0 16.1 24.1



#20
Methylene Chloride
Concen: 27.124 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion: 84 Resp: 93173
Ion Ratio Lower Upper
84 100
49 169.0 140.3 210.5
51 52.3 41.6 62.4
86 63.4 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 16.773 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.03 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

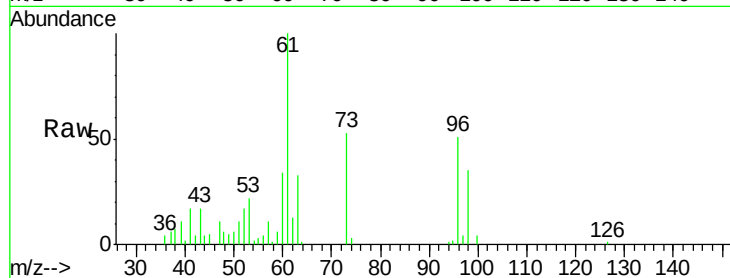
Tot Ion: 96 Resp: 89995

Ion Ratio Lower Upper

96 100

61 197.0 131.0 196.4#

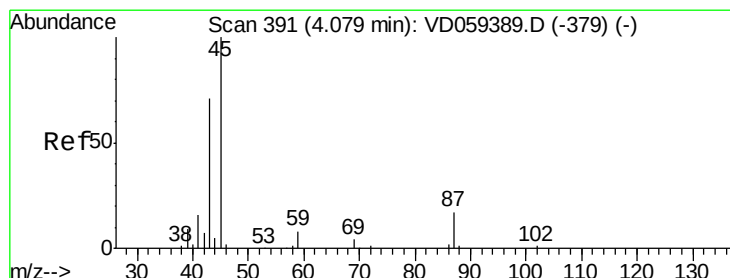
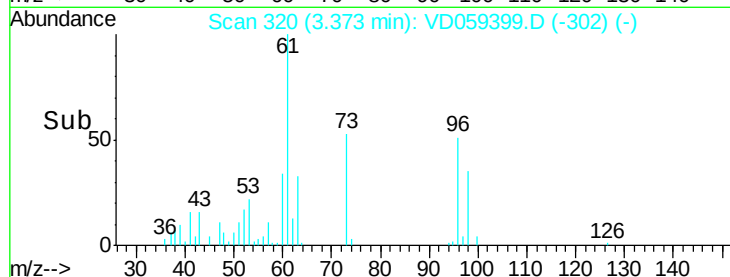
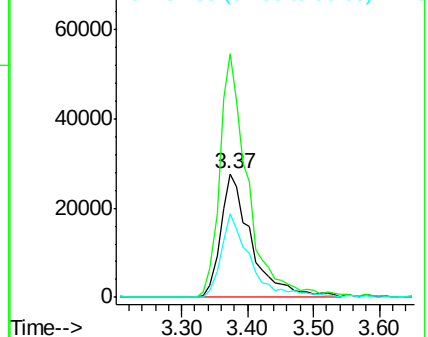
98 68.0 56.8 85.2



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: 21.109 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Tgt Ion: 45 Resp: 551636

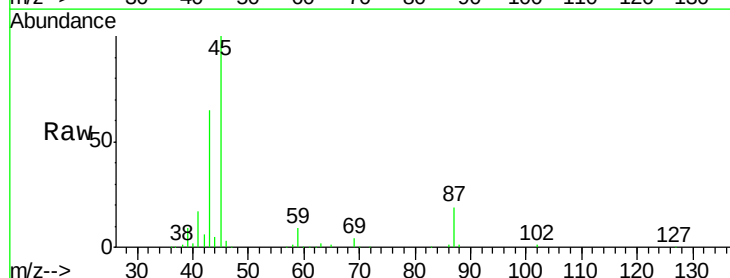
Ion Ratio Lower Upper

45 100

43 64.9 56.9 85.3

87 18.6 14.2 21.4

59 9.5 7.0 10.4

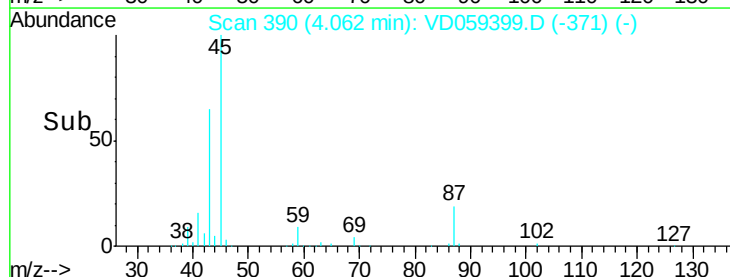
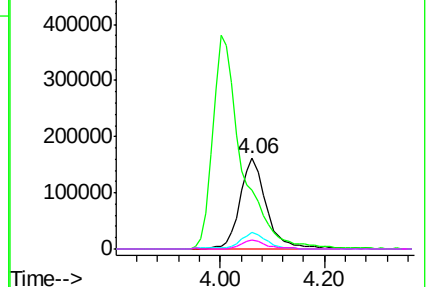


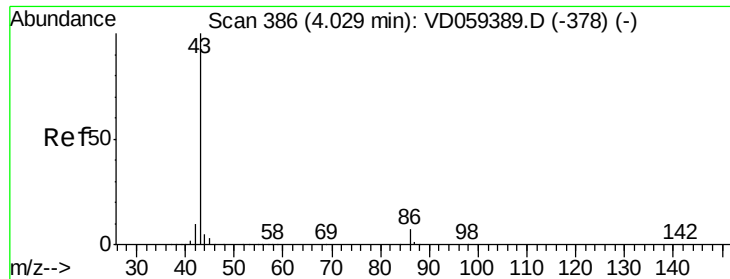
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 106.147 ug/l

RT: 4.00 min Scan# 384

Delta R.T. -0.03 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

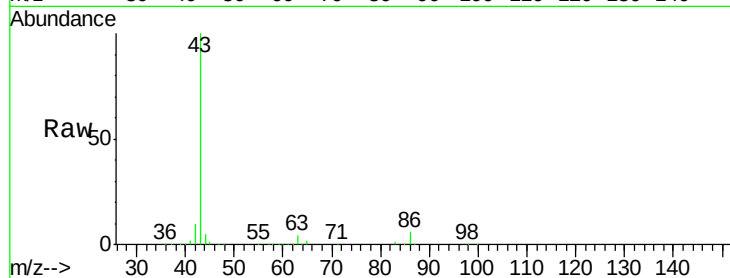
VD0625SBS02

Tot Ion: 43 Resp: 1445290

Ion Ratio Lower Upper

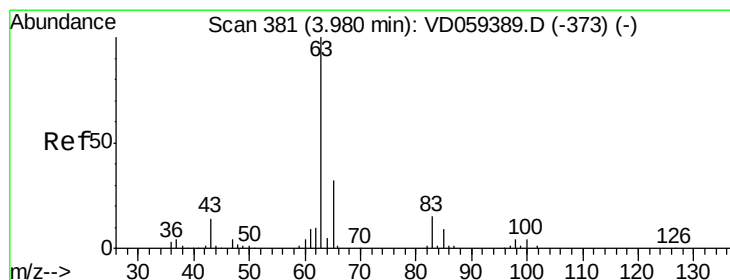
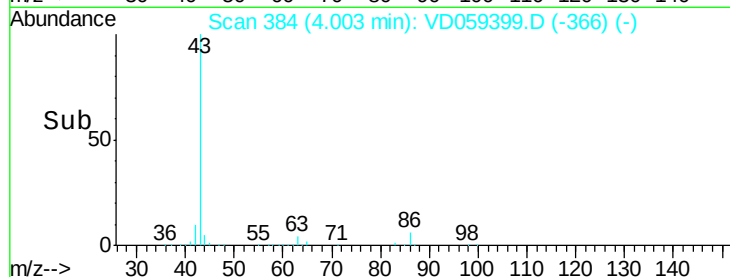
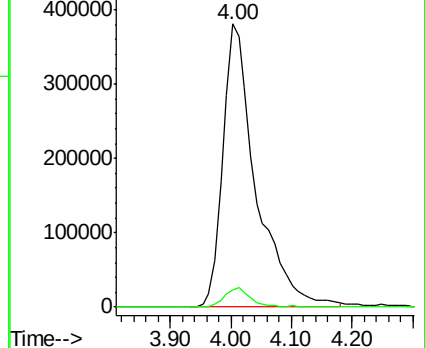
43 100

86 6.1 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: 21.125 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

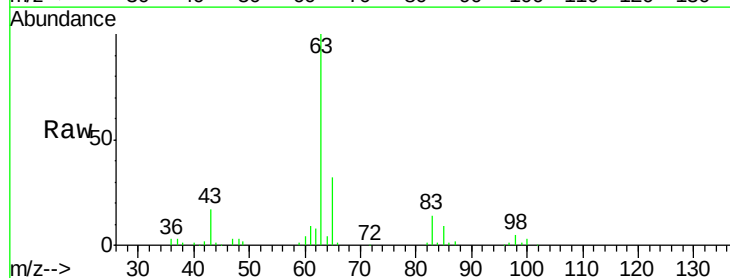
Tgt Ion: 63 Resp: 315908

Ion Ratio Lower Upper

63 100

98 5.1 2.1 6.5

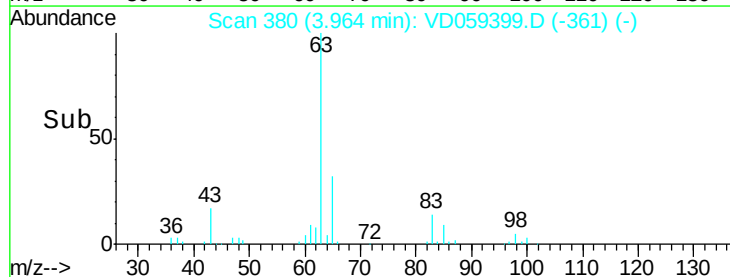
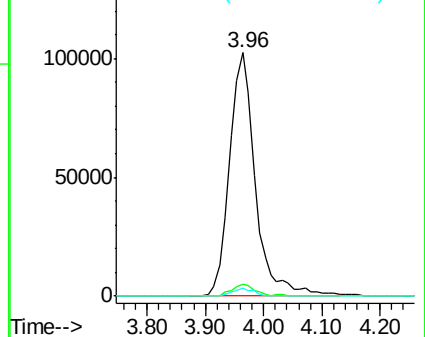
100 3.1 1.8 5.5

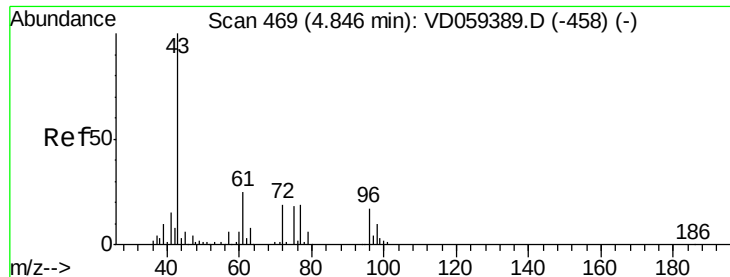


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 100.145 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

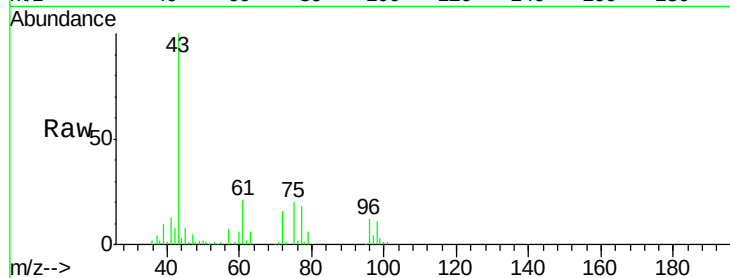
VD0625SBSD02

Tot Ion: 43 Resp: 249354

Ion Ratio Lower Upper

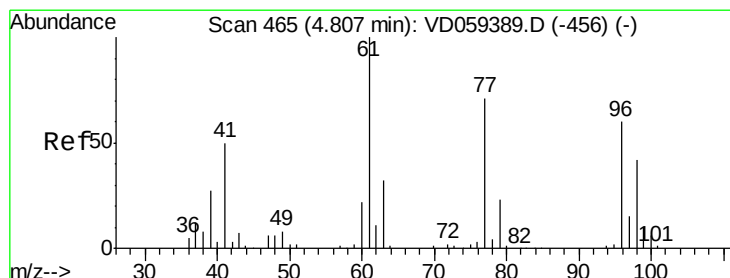
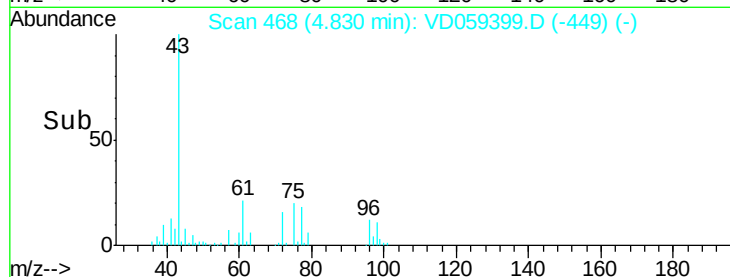
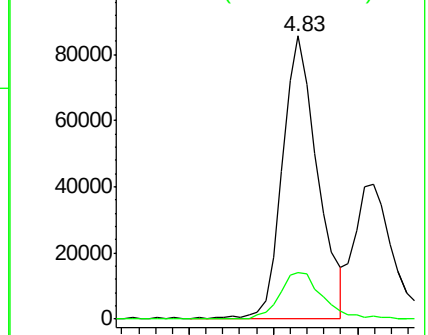
43 100

72 16.4 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.698 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059399.D

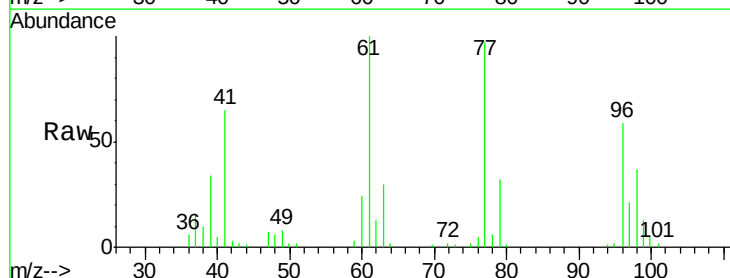
Acq: 25 Jun 2018 15:19

Tgt Ion: 77 Resp: 274819

Ion Ratio Lower Upper

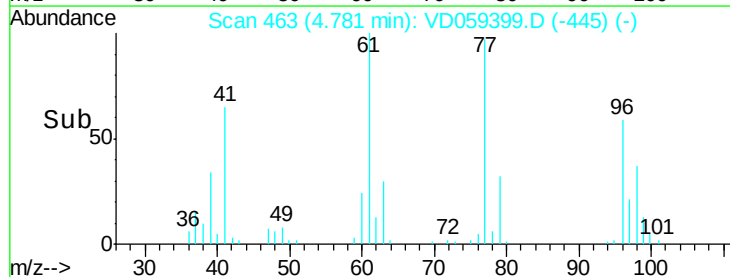
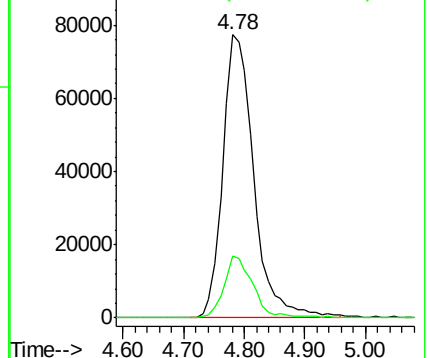
77 100

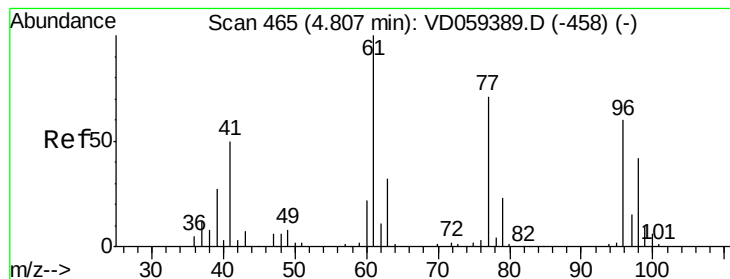
97 21.8 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



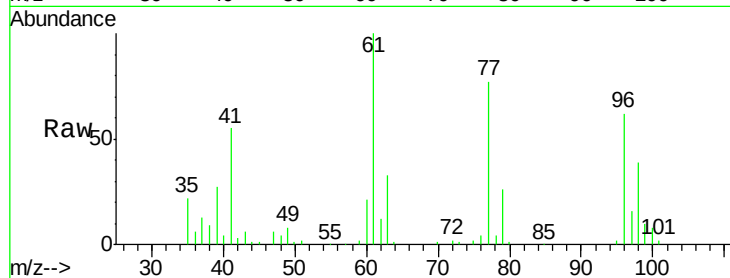


#27

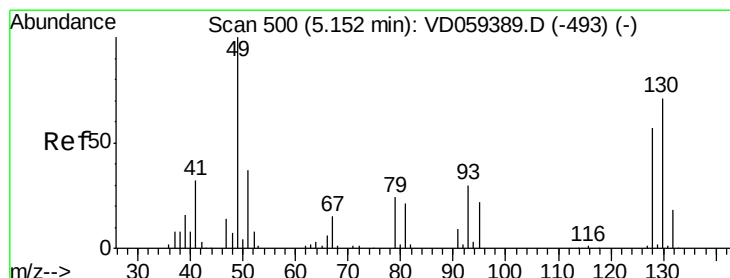
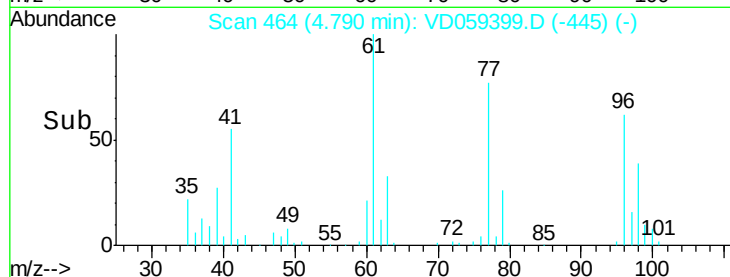
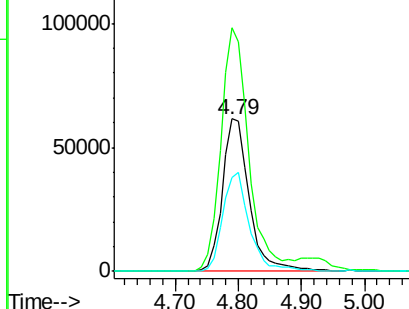
cis-1,2-Dichloroethene
Concen: 20.237 ug/l
RT: 4.79 min Scan# 464
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Instrument :
MSVOA_D
ClientSampled :
VD0625SBSD02

Tot Ion: 96 Resp: 182462
Ion Ratio Lower Upper
96 100
61 160.1 0.0 335.8
98 61.8 0.0 141.0



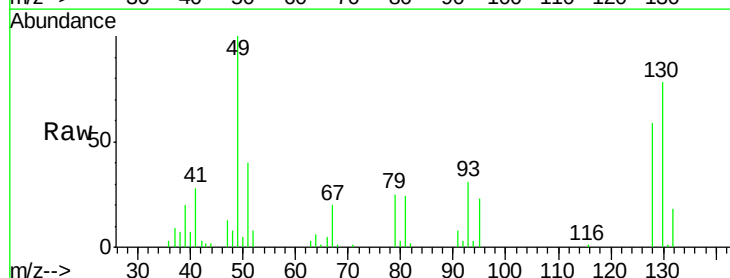
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



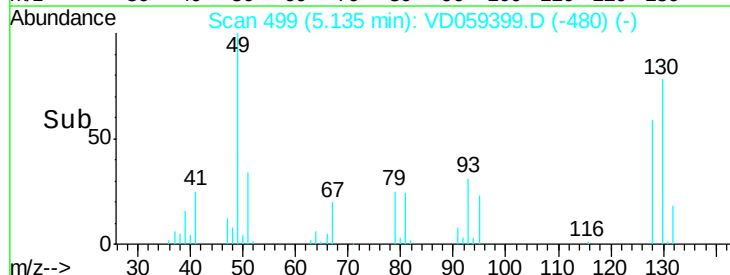
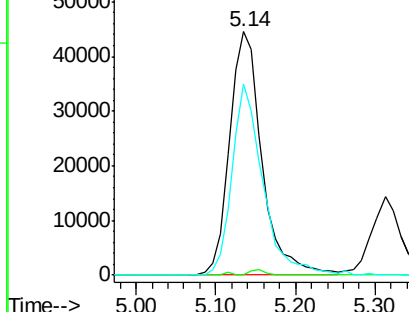
#28

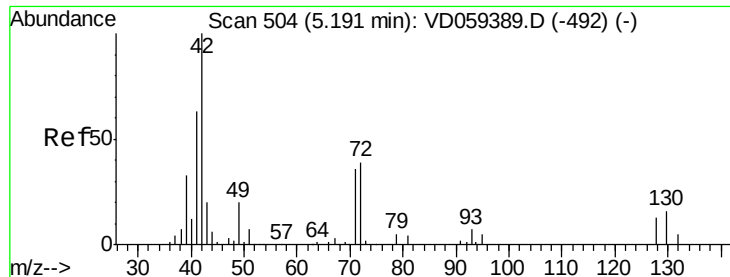
Bromochloromethane
Concen: 19.521 ug/l
RT: 5.14 min Scan# 499
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion: 49 Resp: 126555
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 78.5 57.0 85.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

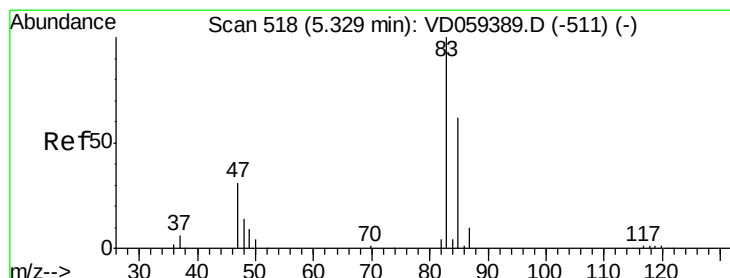
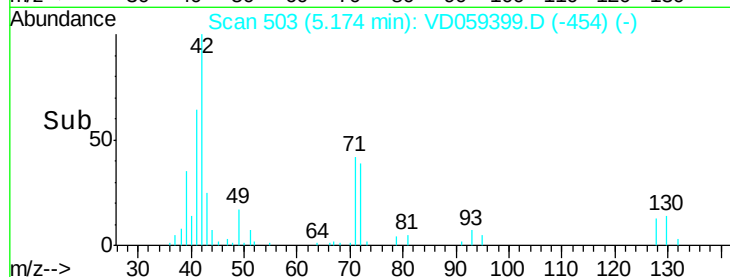
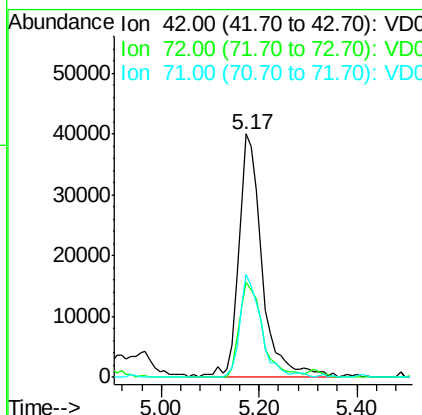
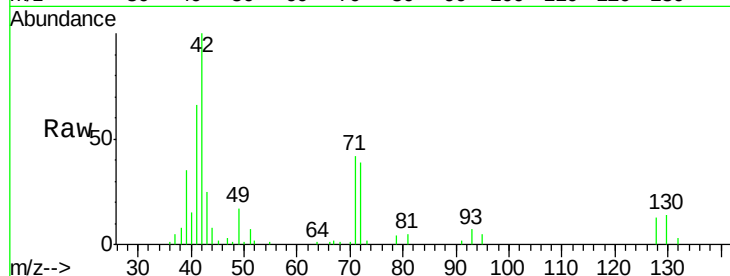




#29
Tetrahydrofuran
Concen: 97.949 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

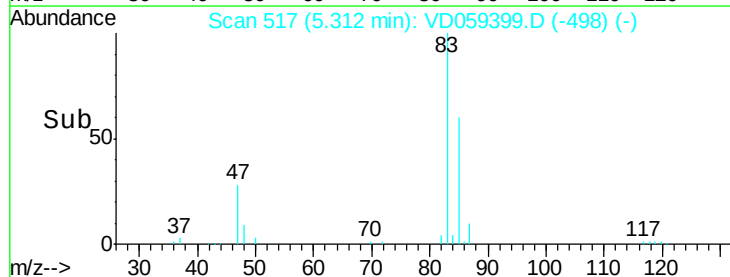
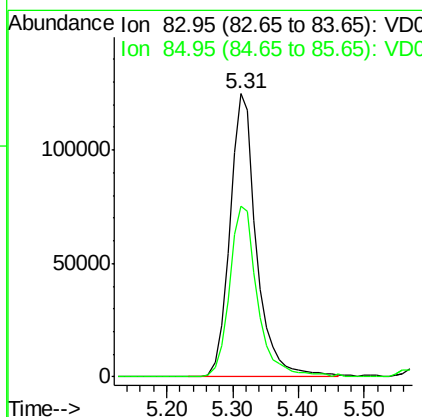
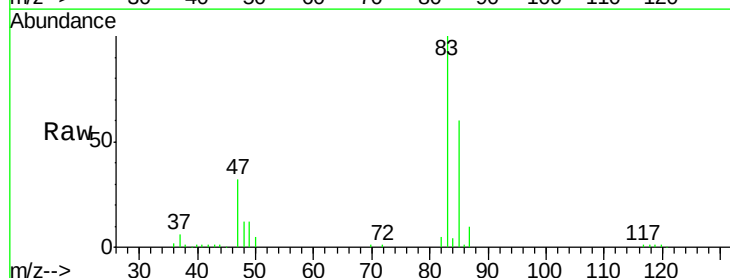
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

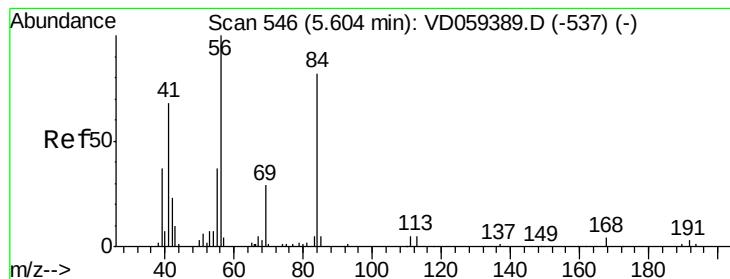
Tot Ion: 42 Resp: 133402
Ion Ratio Lower Upper
42 100
72 38.9 31.4 47.2
71 38.8 29.7 44.5



#30
Chloroform
Concen: 21.608 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion: 83 Resp: 352185
Ion Ratio Lower Upper
83 100
85 60.4 49.3 73.9





#31

Cyclohexane

Concen: 22.301 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.03 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

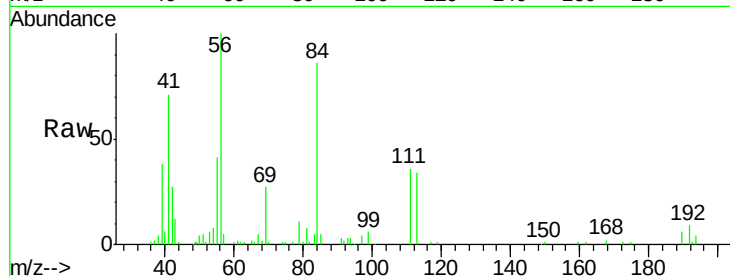
Tot Ion: 56 Resp: 241376

Ion Ratio Lower Upper

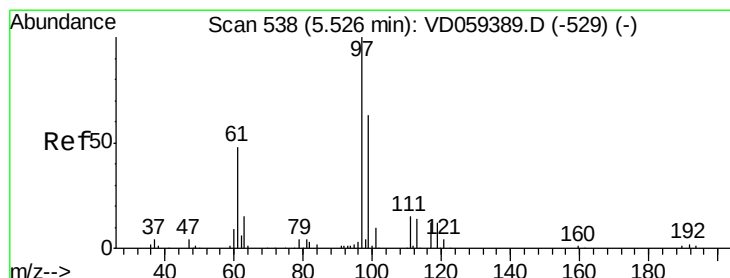
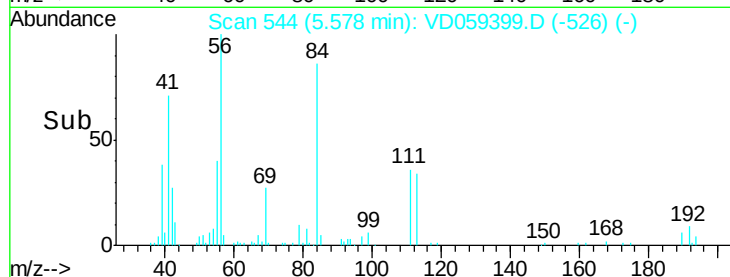
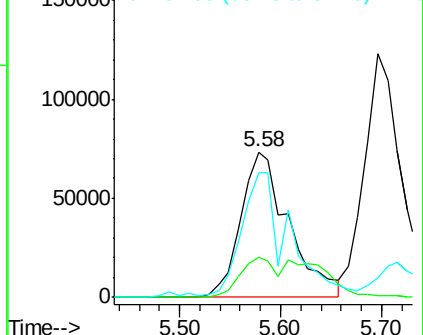
56 100

69 27.4 22.9 34.3

84 85.8 67.3 100.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 22.046 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.03 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

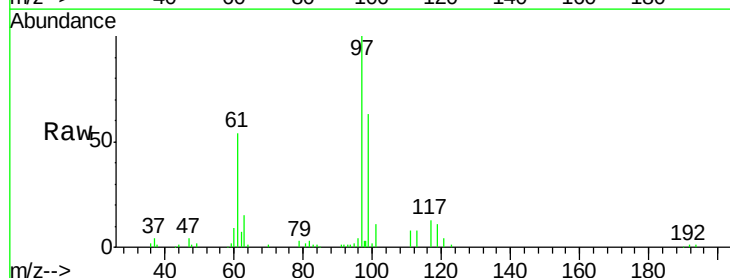
Tgt Ion: 97 Resp: 290966

Ion Ratio Lower Upper

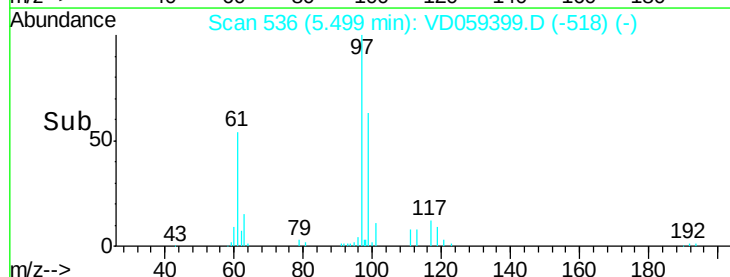
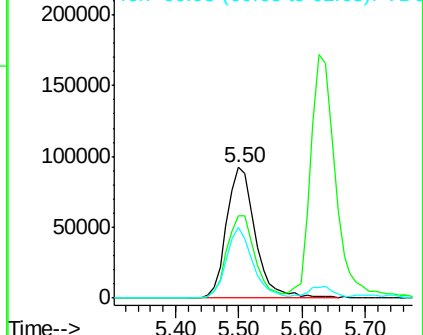
97 100

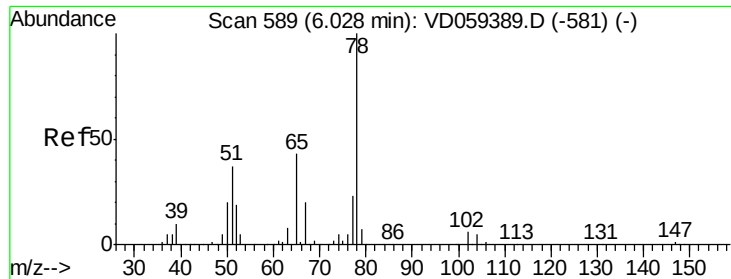
99 62.8 50.2 75.4

61 54.1 38.6 57.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 22.046 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

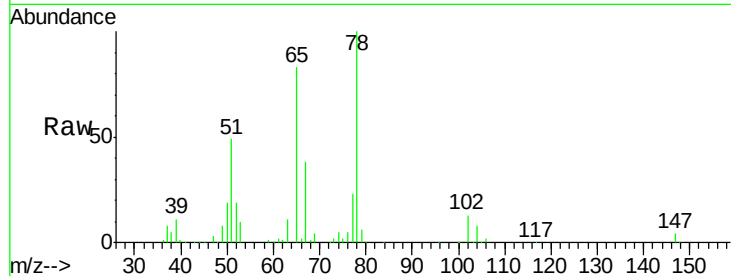
VD0625SBSD02

Tot Ion: 65 Resp: 416569

Ion Ratio Lower Upper

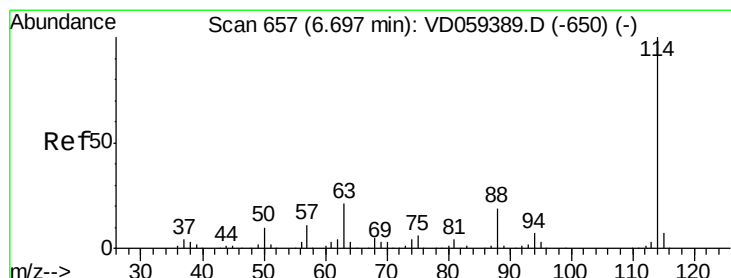
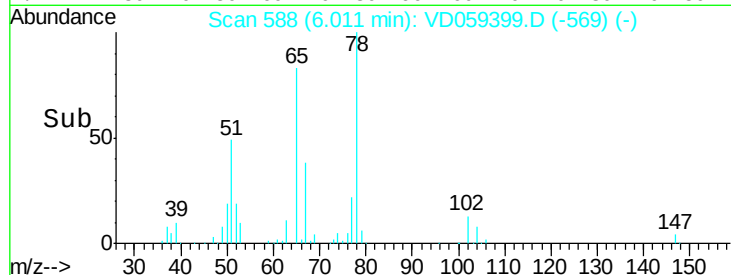
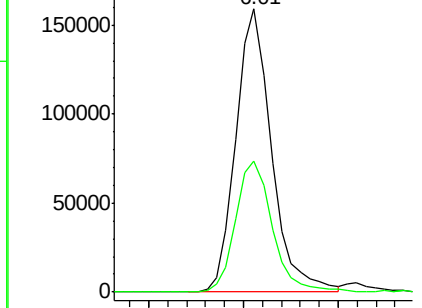
65 100

67 46.5 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: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

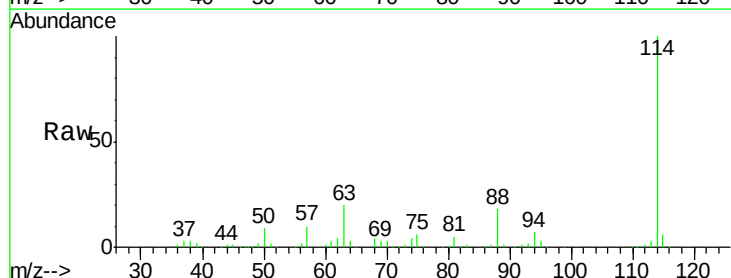
Tgt Ion: 114 Resp: 1184219

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

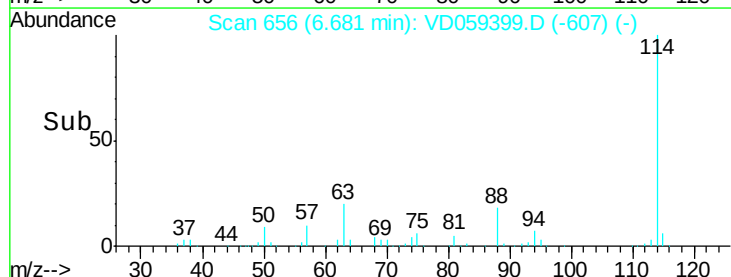
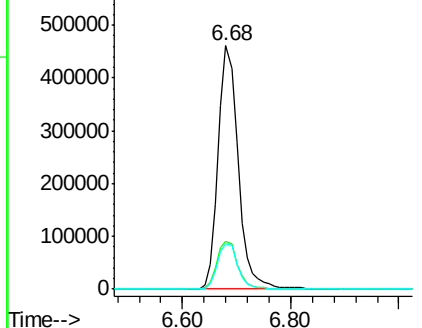
88 18.3 0.0 38.0

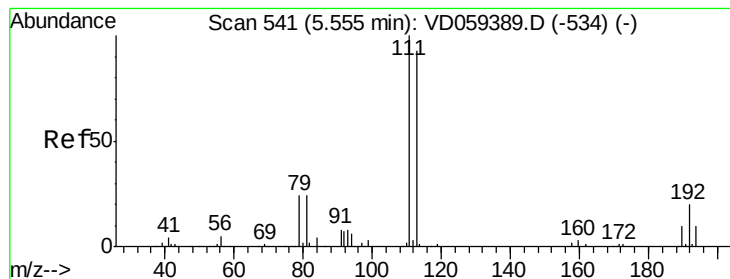


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

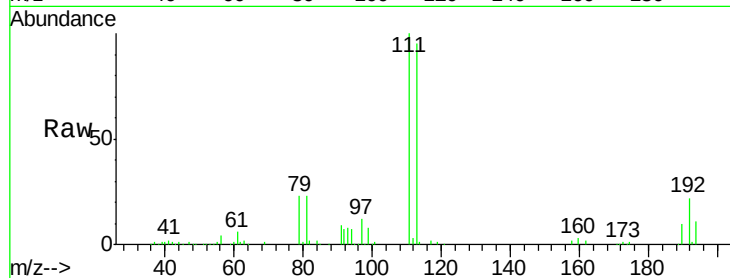
Tot Ion:113 Resp: 439445

Ion Ratio Lower Upper

113 100

111 105.7 85.7 128.5

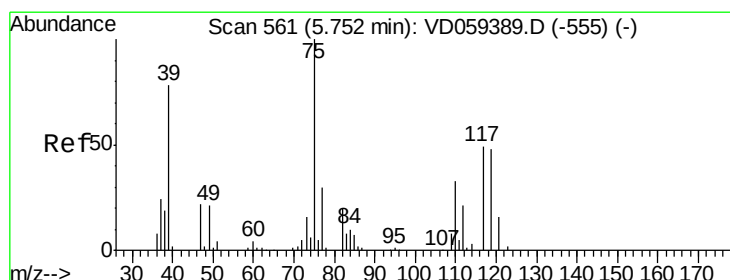
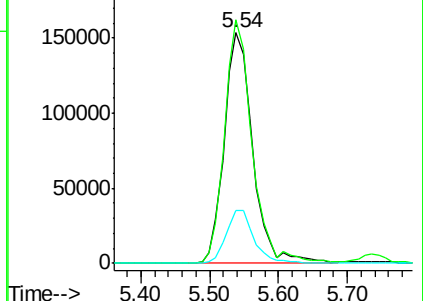
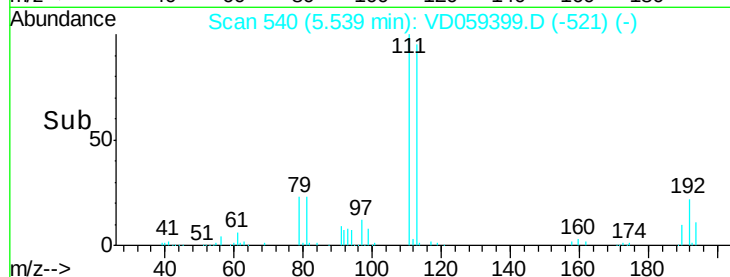
192 23.2 16.9 25.3



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: 22.494 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

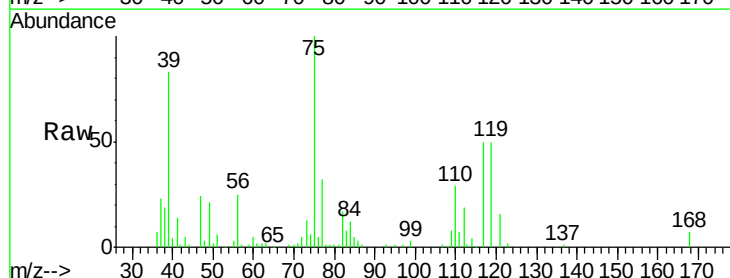
Tgt Ion: 75 Resp: 241638

Ion Ratio Lower Upper

75 100

110 28.9 16.1 48.2

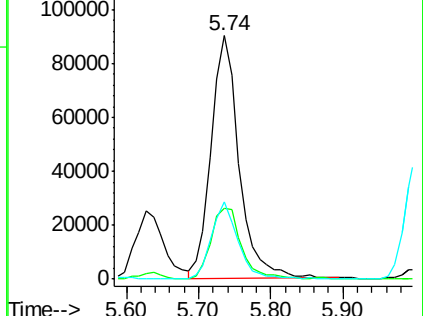
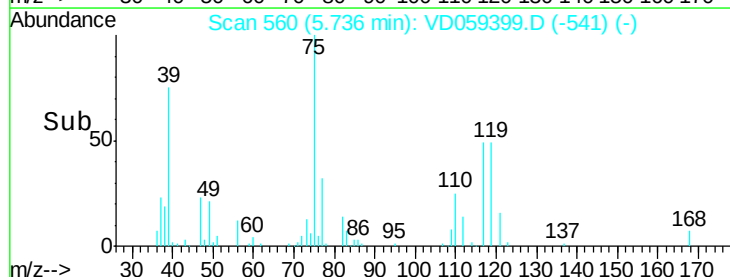
77 31.5 23.4 35.2

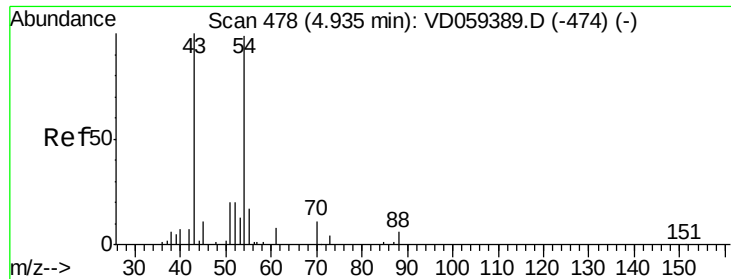


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

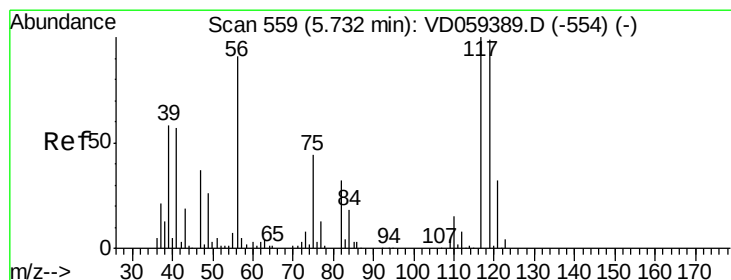
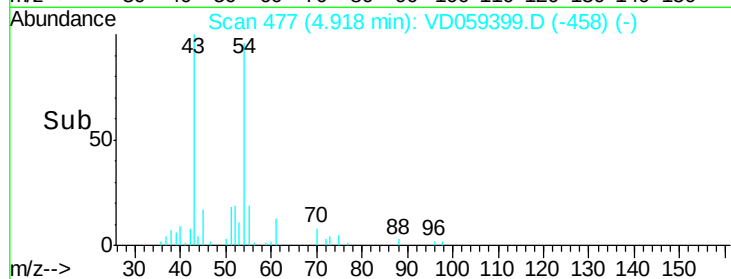
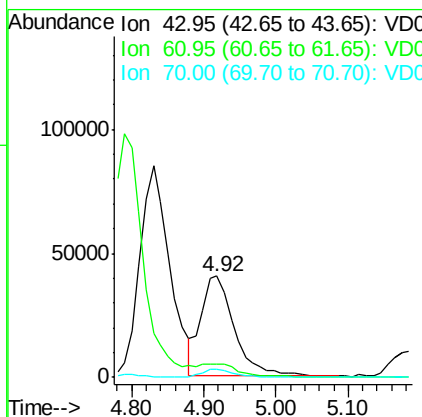
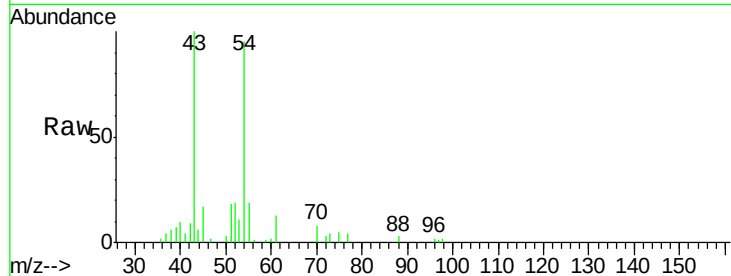




#37
Ethyl Acetate
Concen: 19.621 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

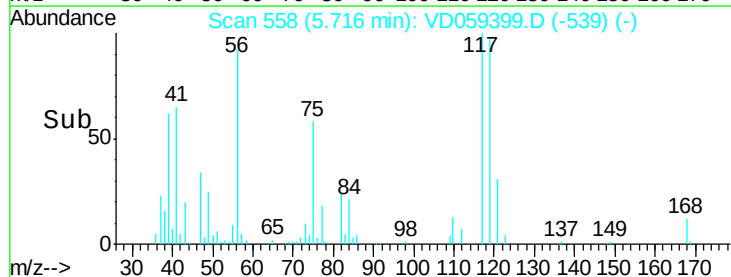
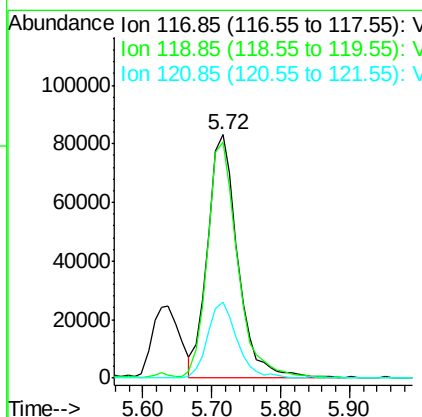
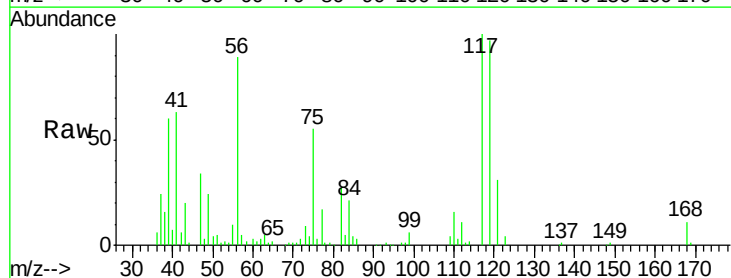
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

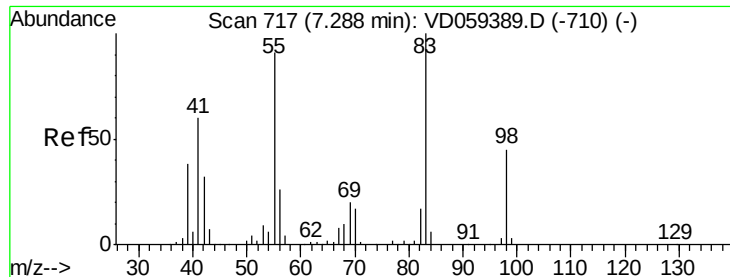
Tot Ion: 43 Resp: 128365
Ion Ratio Lower Upper
43 100
61 13.2 11.8 17.8
70 7.9 6.1 9.1



#38
Carbon Tetrachloride
Concen: 22.937 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion: 117 Resp: 254039
Ion Ratio Lower Upper
117 100
119 96.9 76.6 115.0
121 31.4 25.0 37.4

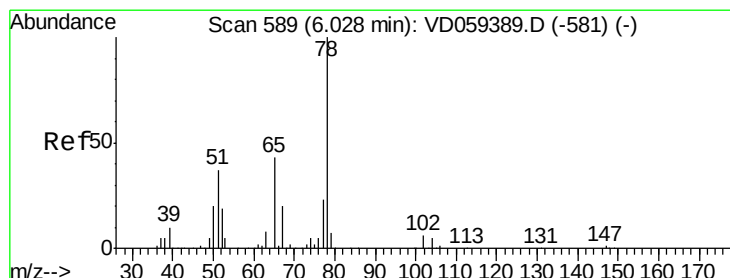
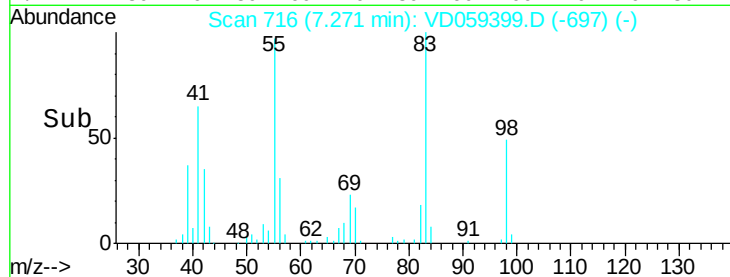
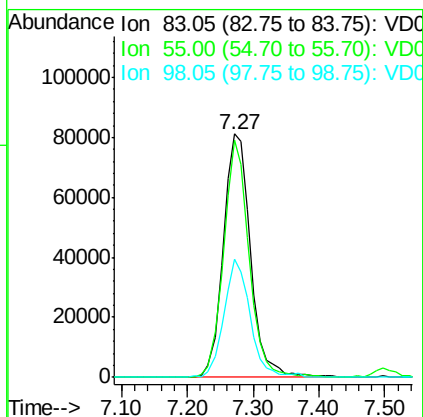
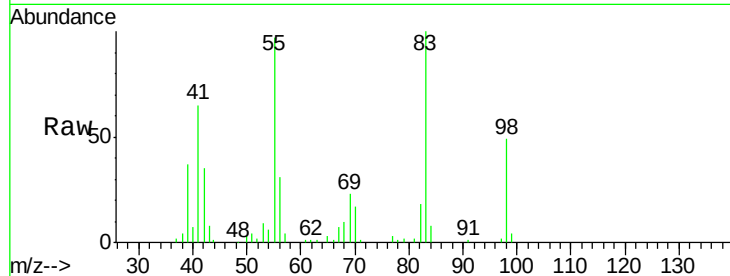




#39
Methylvlcyclohexane
Concen: 22.967 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

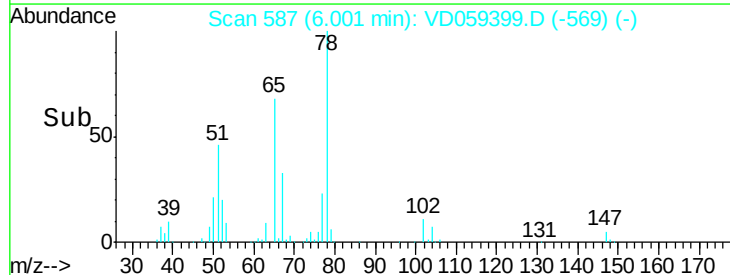
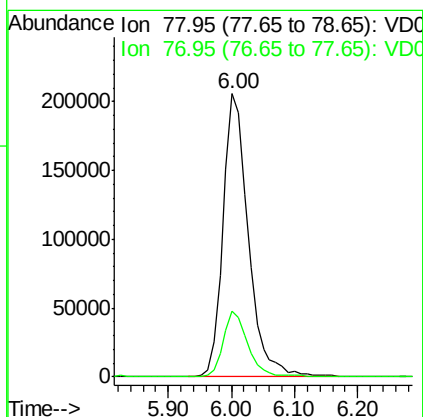
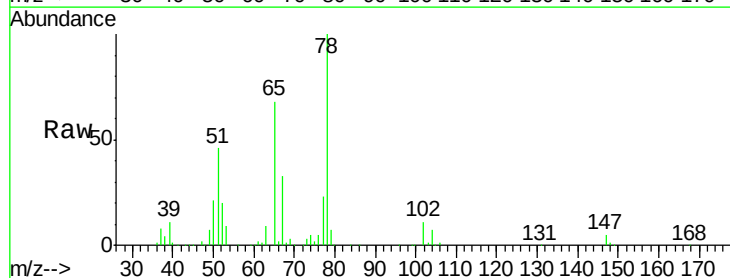
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

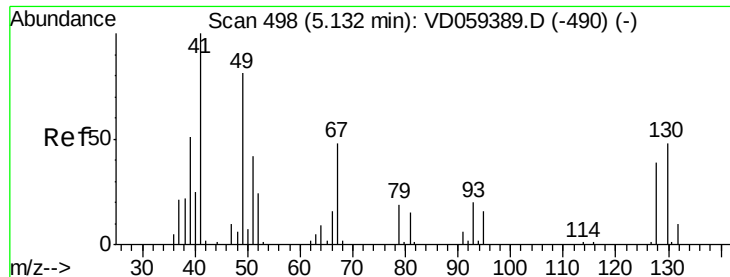
Tot Ion: 83 Resp: 234006
Ion Ratio Lower Upper
83 100
55 97.3 72.6 109.0
98 48.6 35.8 53.6



#40
Benzene
Concen: 22.231 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.03 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion: 78 Resp: 573097
Ion Ratio Lower Upper
78 100
77 23.5 18.1 27.1





#41

Methacrylonitrile

Concen: 19.362 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

Tot Ion: 41 Resp: 61011

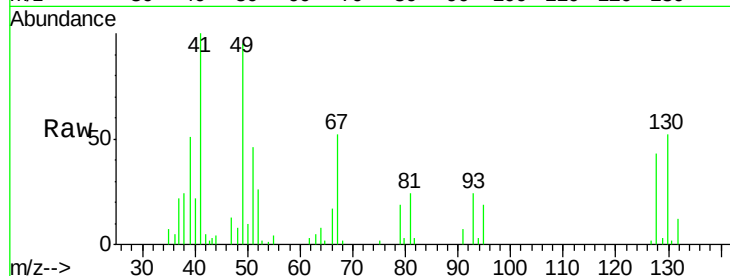
Ion Ratio Lower Upper

41 100

39 50.8 41.5 62.3

67 52.5 38.7 58.1

52 26.0 19.4 29.2

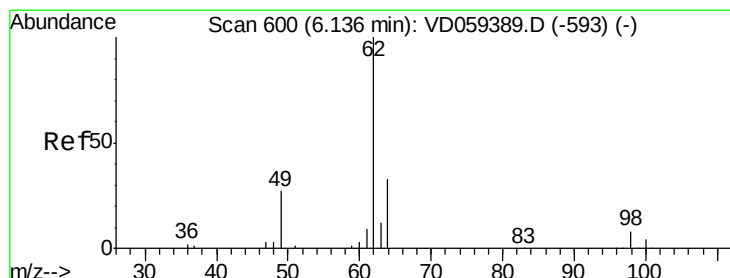
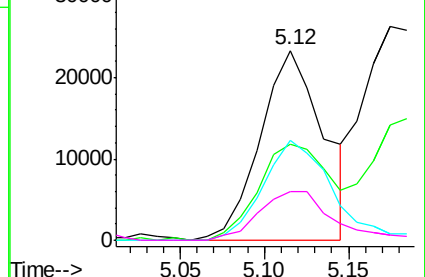
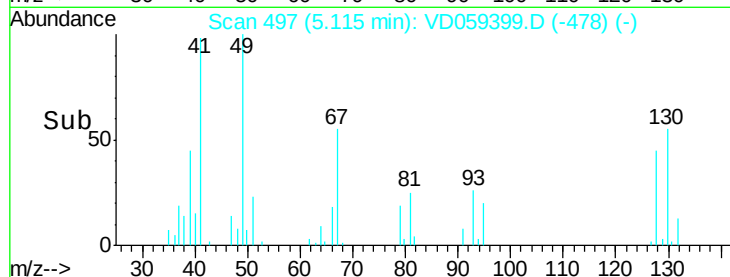


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.809 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD059399.D

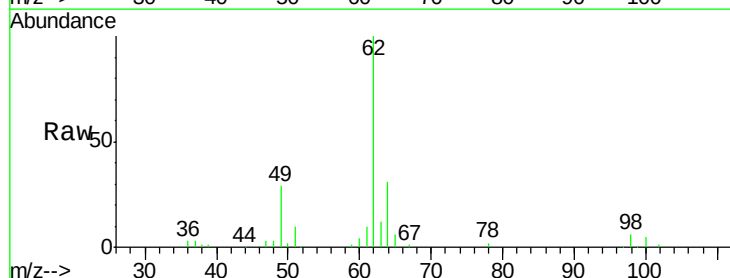
Acq: 25 Jun 2018 15:19

Tgt Ion: 62 Resp: 237032

Ion Ratio Lower Upper

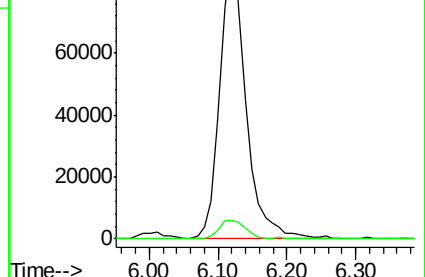
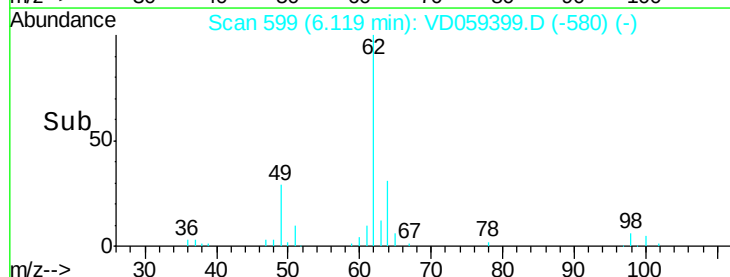
62 100

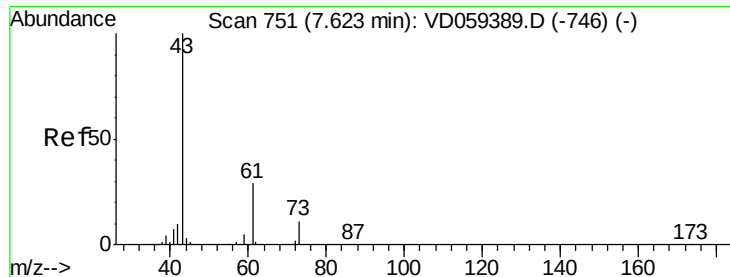
98 6.4 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.898 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

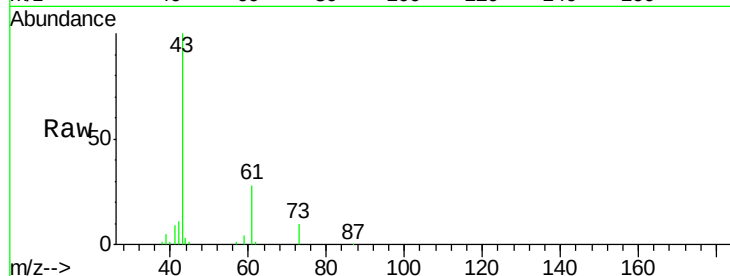
Tot Ion: 43 Resp: 163474

Ion Ratio Lower Upper

43 100

61 27.7 23.1 34.7

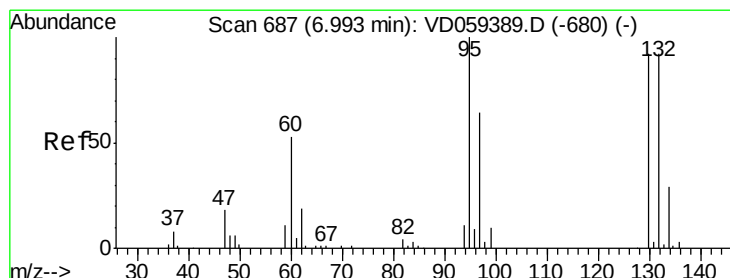
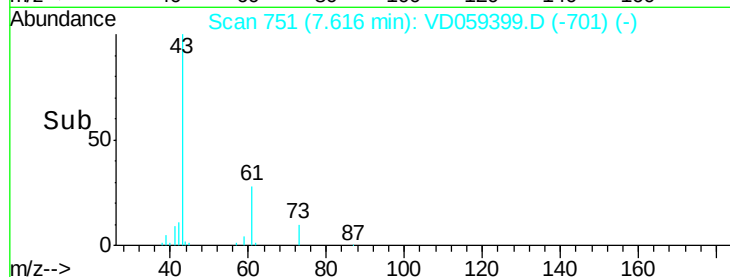
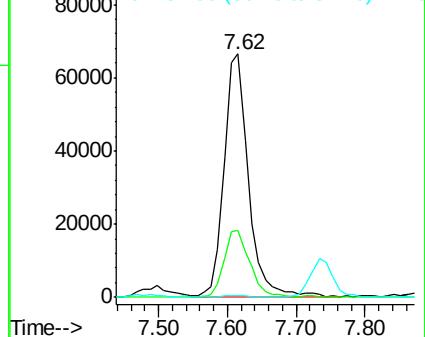
87 0.5 0.2 0.4#



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: 20.894 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: VD059399.D

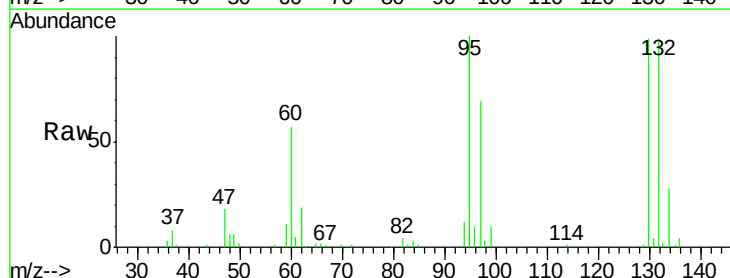
Acq: 25 Jun 2018 15:19

Tgt Ion:130 Resp: 176365

Ion Ratio Lower Upper

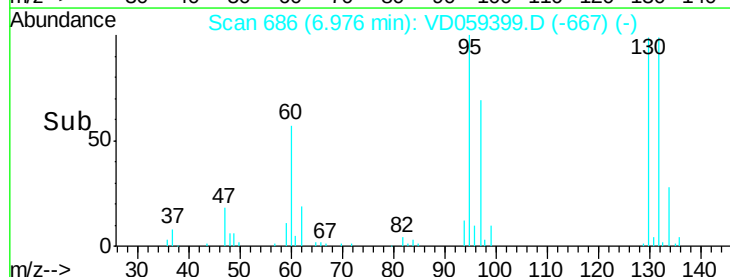
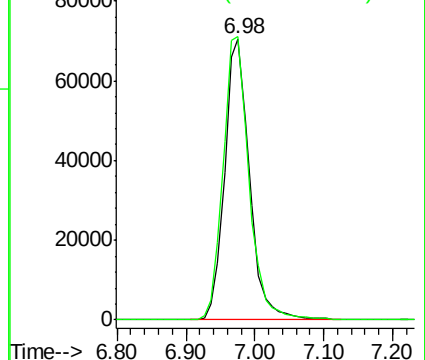
130 100

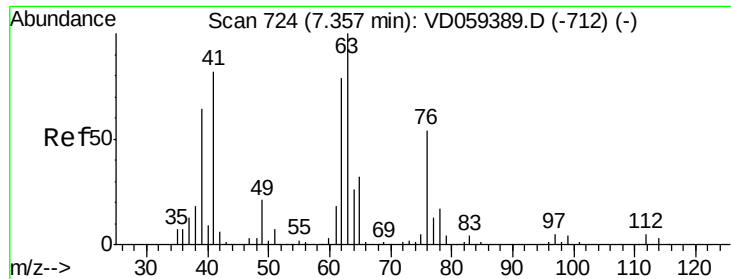
95 100.7 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.681 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

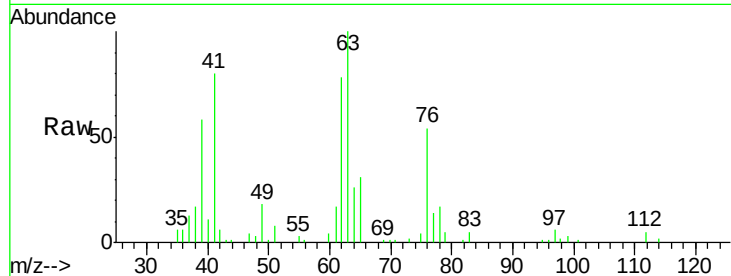
VD0625SBSD02

Tot Ion: 63 Resp: 154805

Ion Ratio Lower Upper

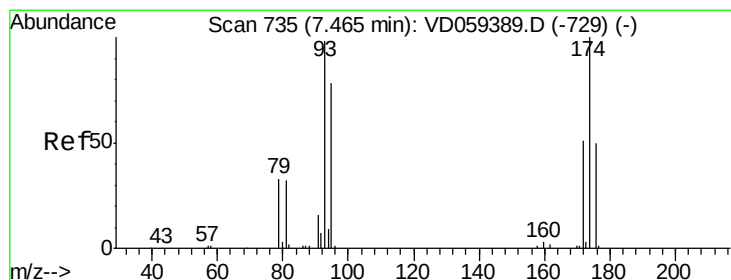
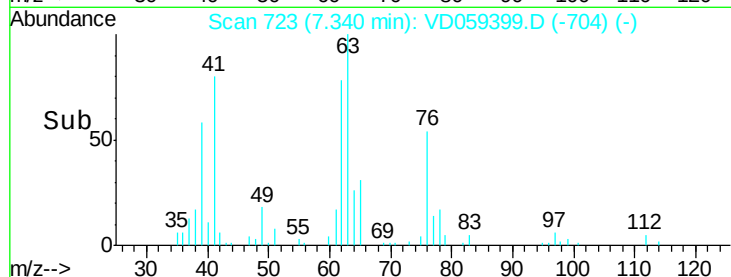
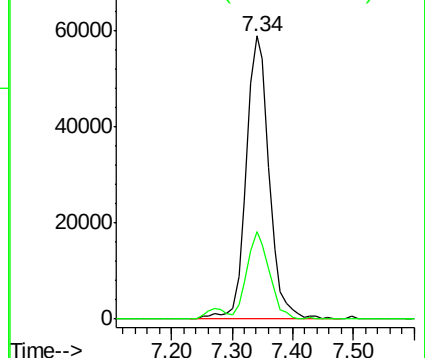
63 100

65 30.9 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.650 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

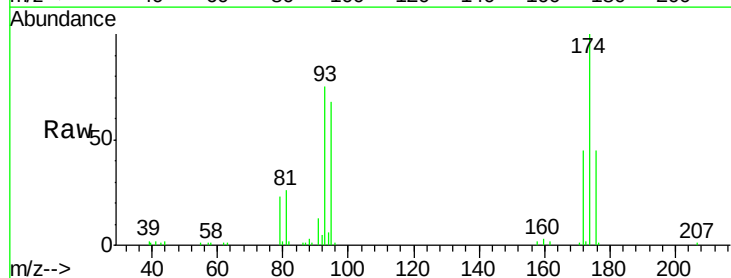
Tgt Ion: 93 Resp: 106033

Ion Ratio Lower Upper

93 100

95 89.8 63.4 95.0

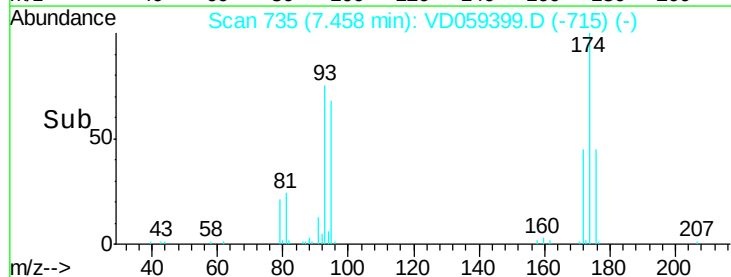
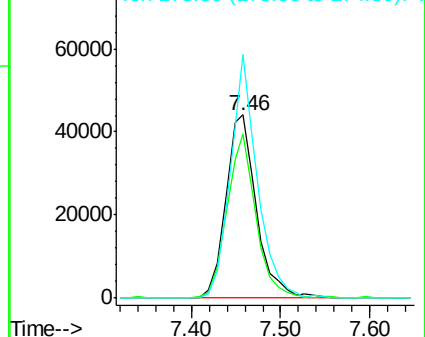
174 132.8 81.4 122.2#

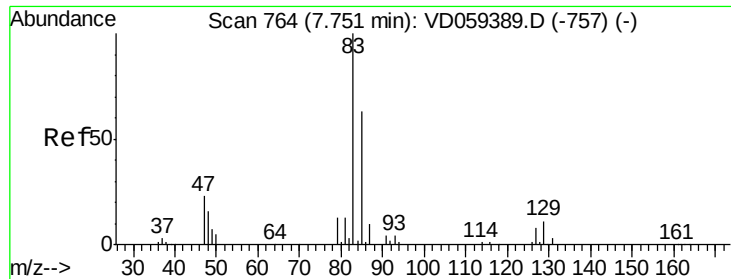


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.413 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

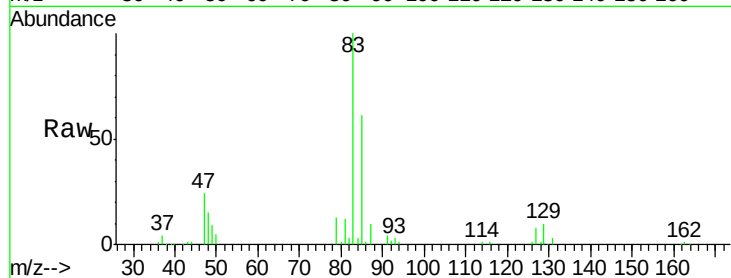
Tot Ion: 83 Resp: 246029

Ion Ratio Lower Upper

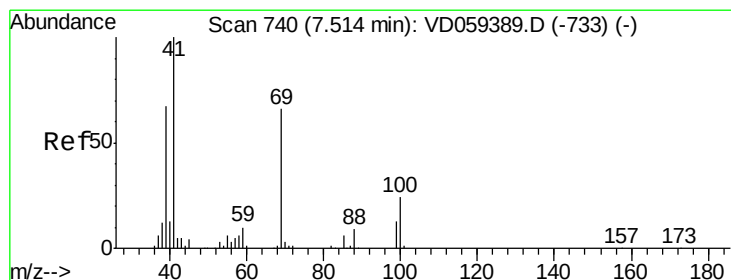
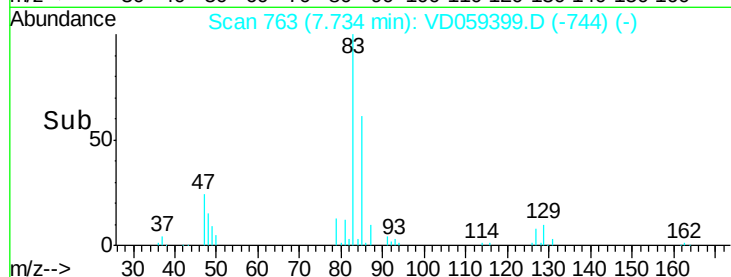
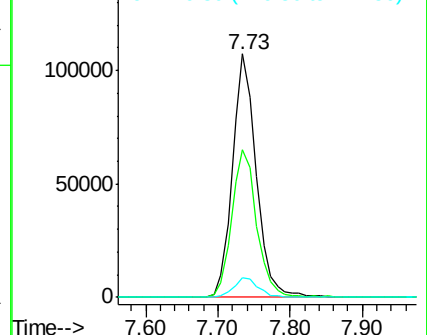
83 100

85 60.8 50.1 75.1

127 8.1 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): V



#48

Methyl methacrylate

Concen: 20.200 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

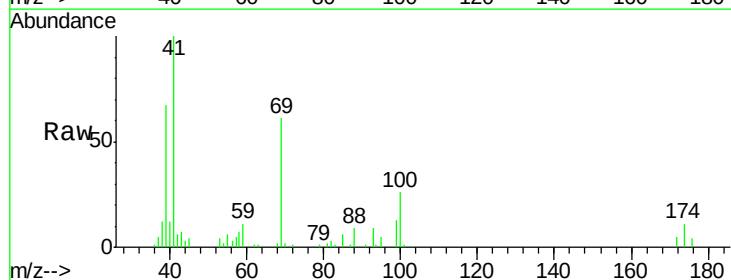
Tgt Ion: 41 Resp: 101111

Ion Ratio Lower Upper

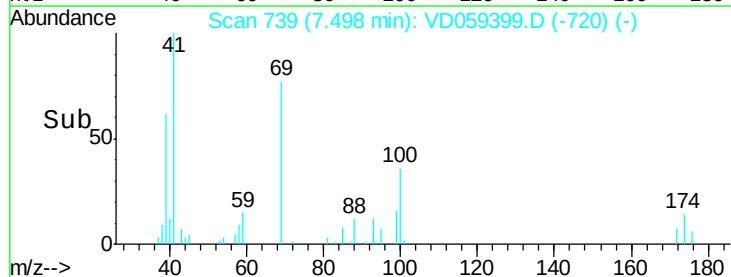
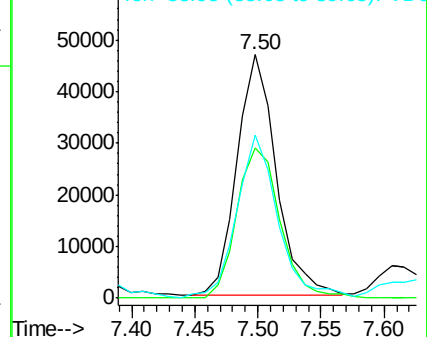
41 100

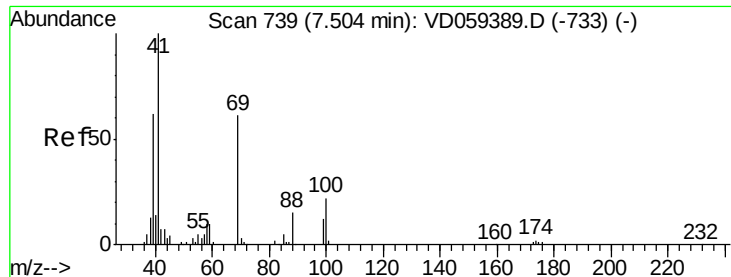
69 61.5 52.6 79.0

39 66.9 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: 421.940 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.03 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

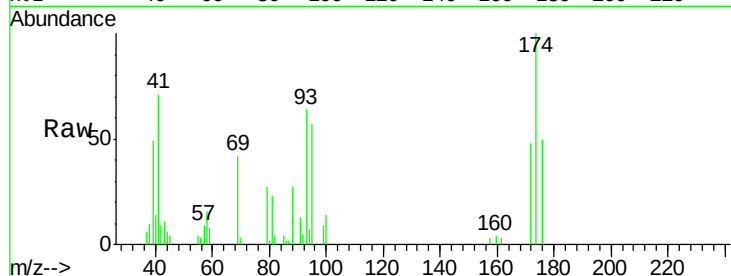
Tot Ion: 88 Resp: 21181

Ion Ratio Lower Upper

88 100

43 39.1 41.0 61.4#

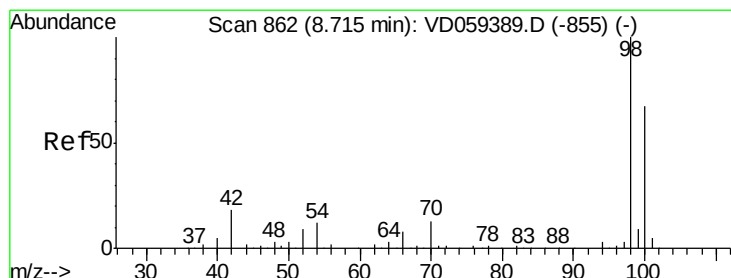
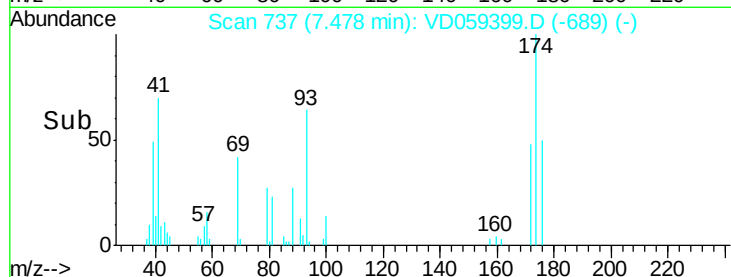
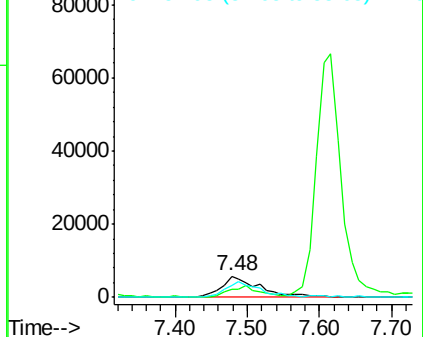
58 57.8 53.4 80.0



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: 421.940 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD059399.D

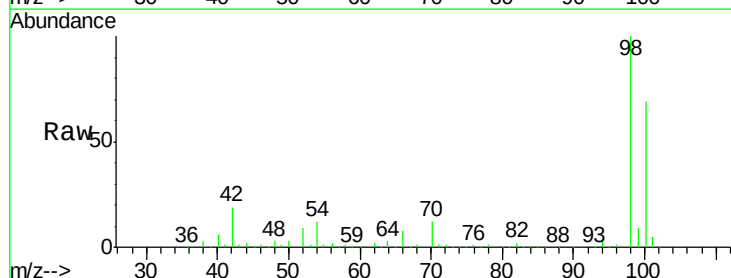
Acq: 25 Jun 2018 15:19

Tgt Ion: 98 Resp: 1019688

Ion Ratio Lower Upper

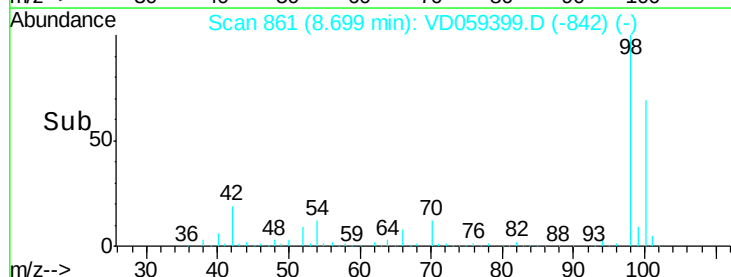
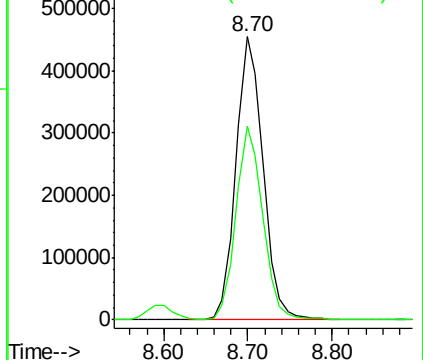
98 100

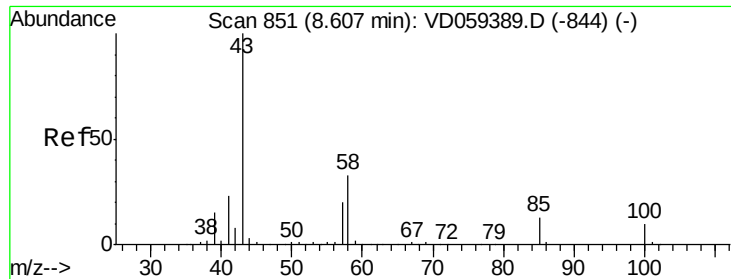
100 68.6 54.4 81.6



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: 101.353 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

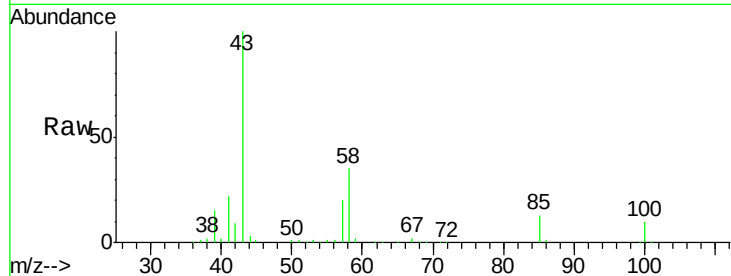
VD0625SBS02

Tot Ion: 43 Resp: 554878

Ion Ratio Lower Upper

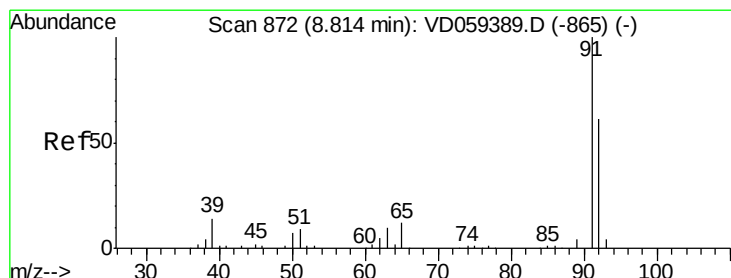
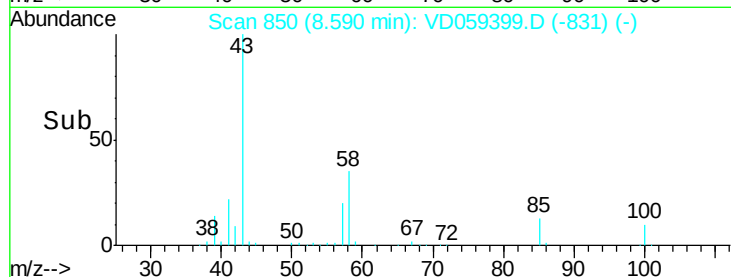
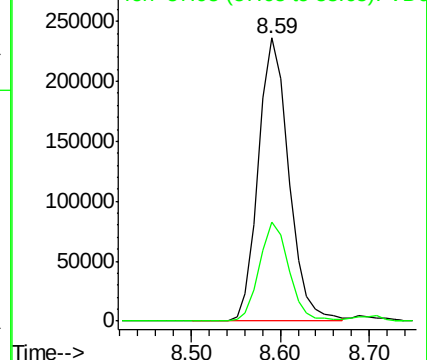
43 100

58 34.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.602 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.02 min

Lab File: VD059399.D

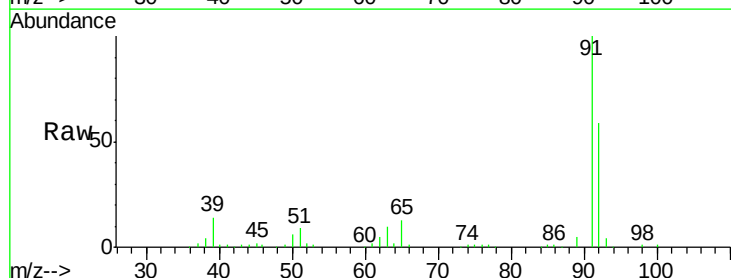
Acq: 25 Jun 2018 15:19

Tgt Ion: 92 Resp: 317192

Ion Ratio Lower Upper

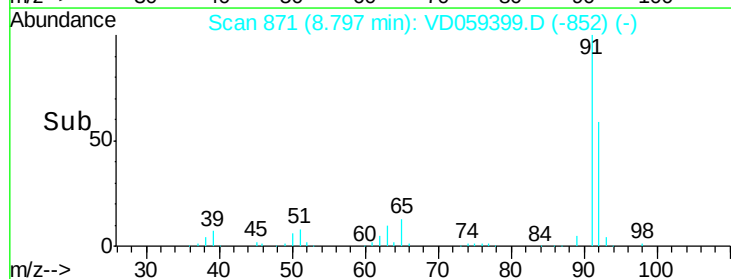
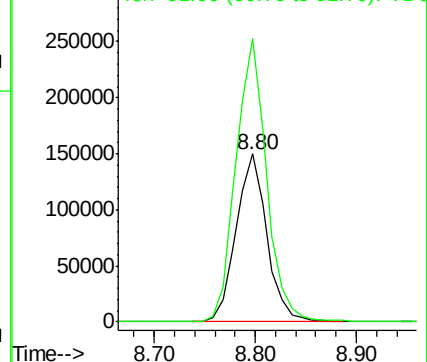
92 100

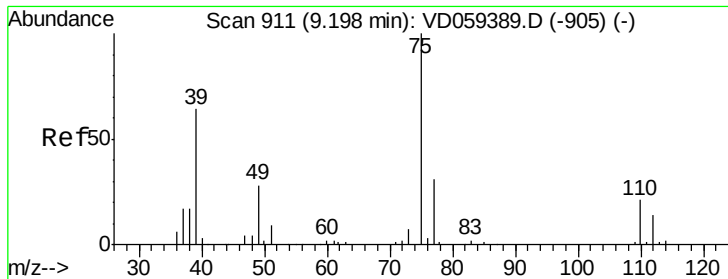
91 168.6 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

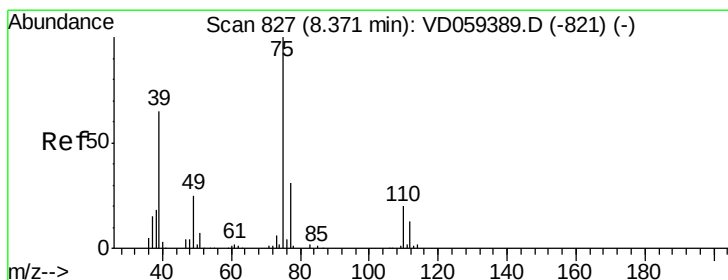
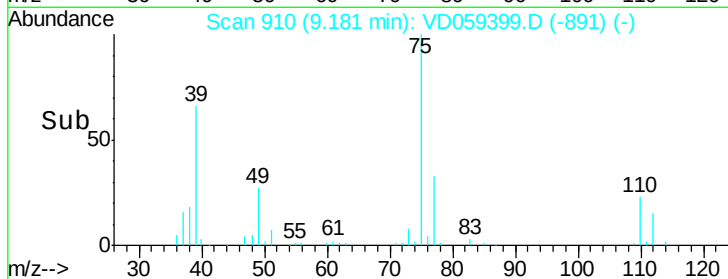
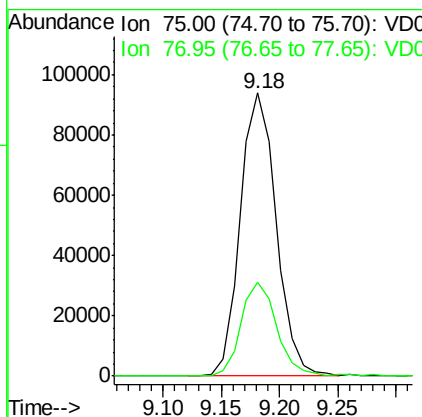
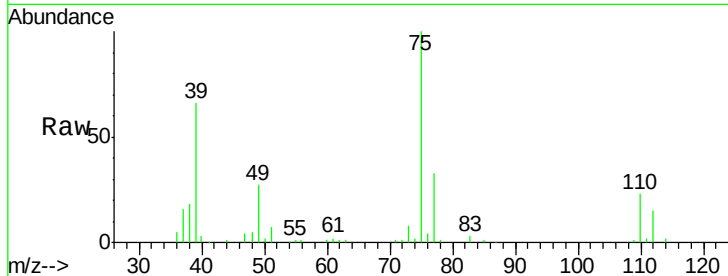




#53
 t-1,3-Dichloropropene
 Concen: 20.874 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

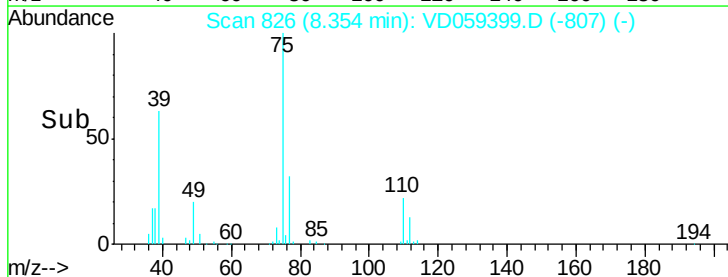
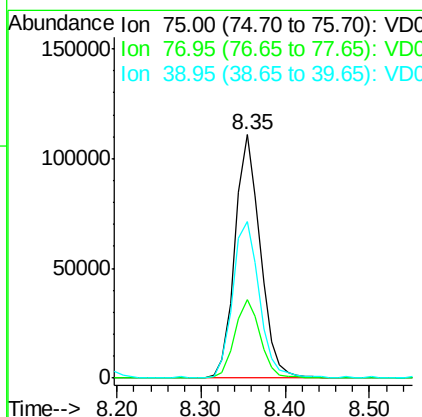
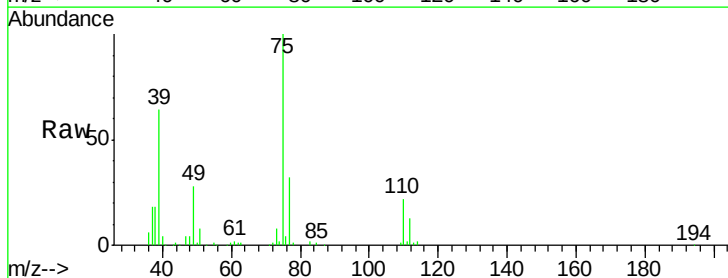
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

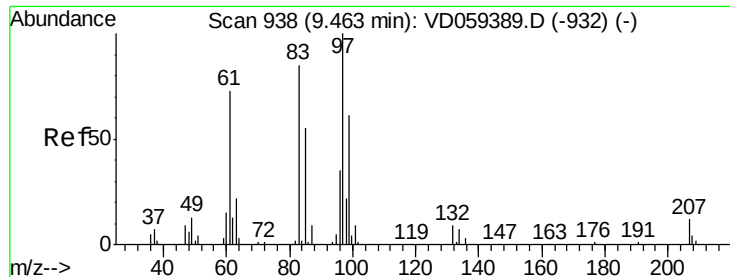
Tot Ion: 75 Resp: 200414
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.974 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion: 75 Resp: 233169
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.7 37.1
 39 64.3 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 20.766 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS02

Tot Ion: 97 Resp: 116078

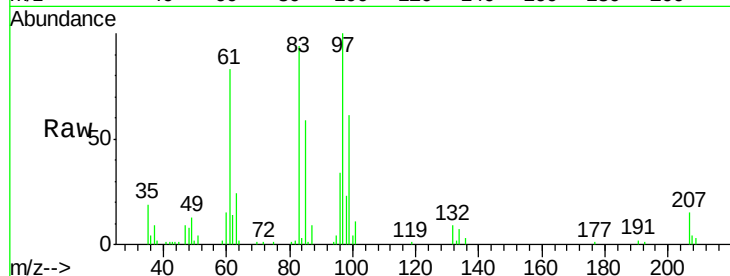
Ion Ratio Lower Upper

97 100

83 94.0 67.7 101.5

85 59.1 44.3 66.5

99 60.8 48.6 73.0

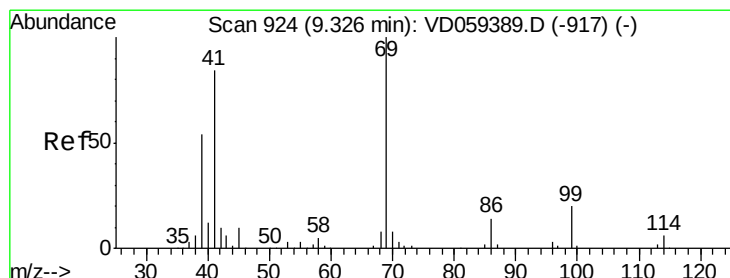
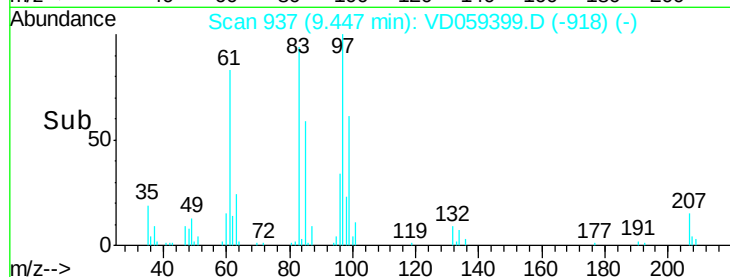
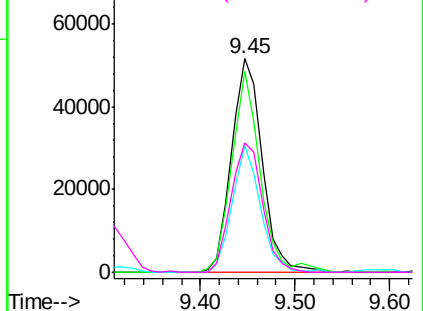


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.405 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

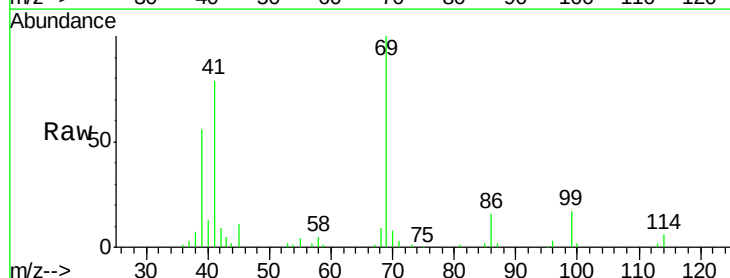
Tgt Ion: 69 Resp: 130151

Ion Ratio Lower Upper

69 100

41 79.5 67.4 101.0

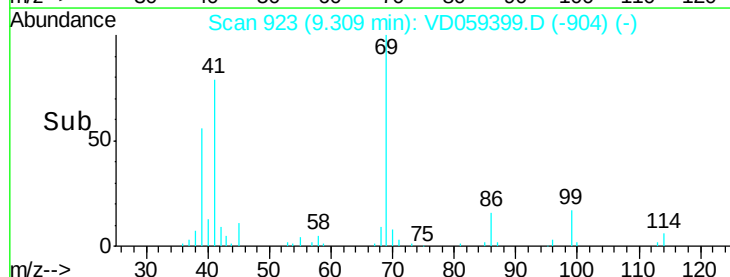
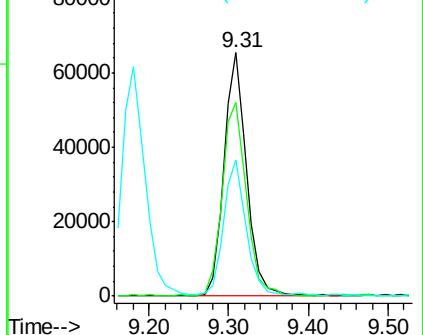
39 56.1 43.7 65.5

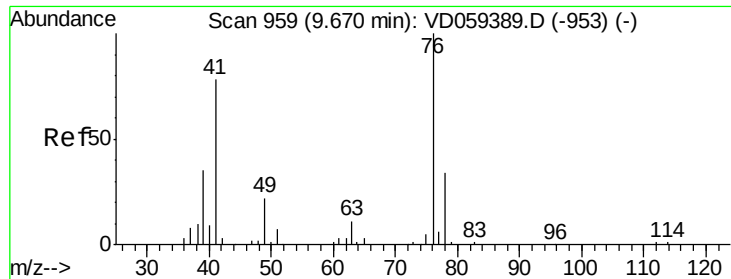


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

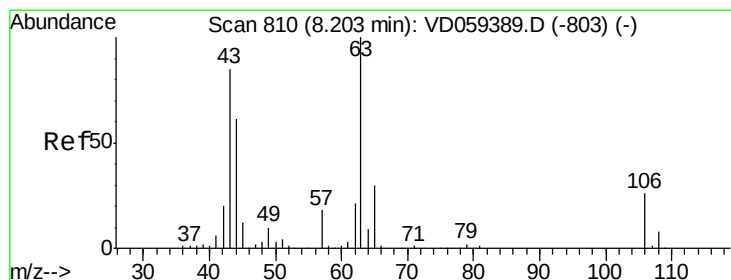
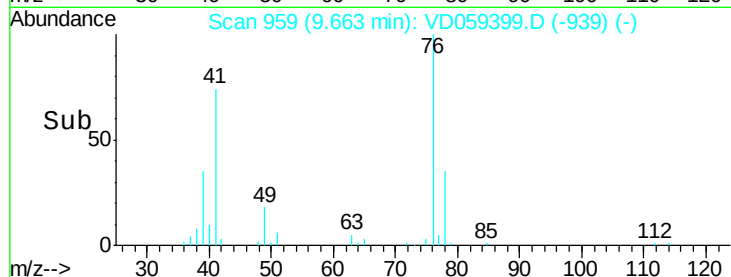
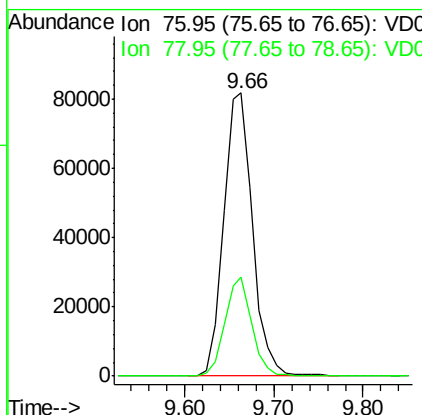
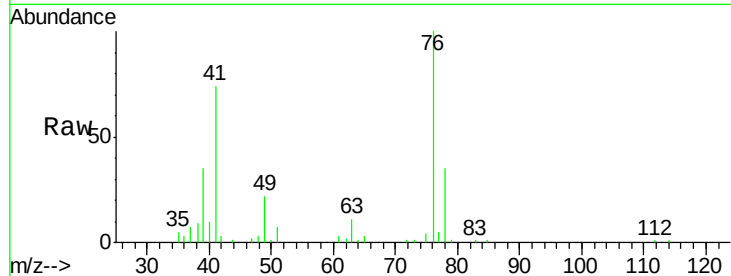




#57
 1,3-Dichloropropane
 Concen: 20.302 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

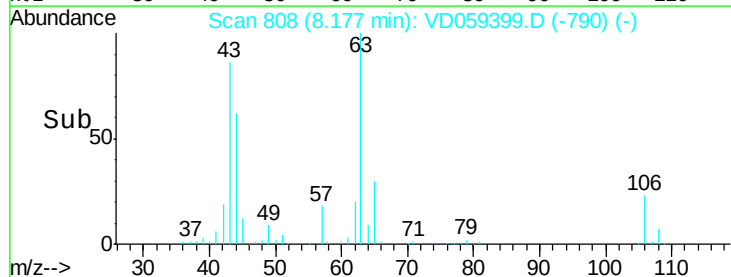
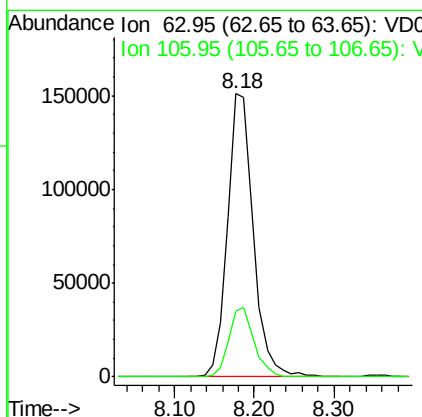
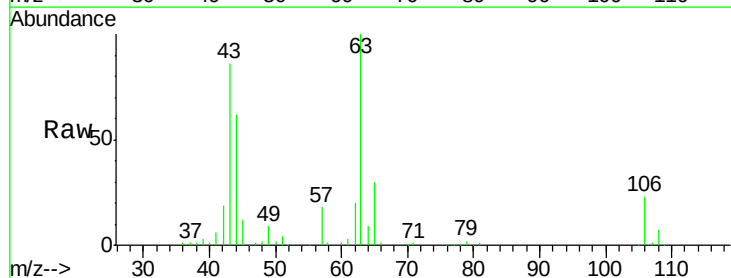
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

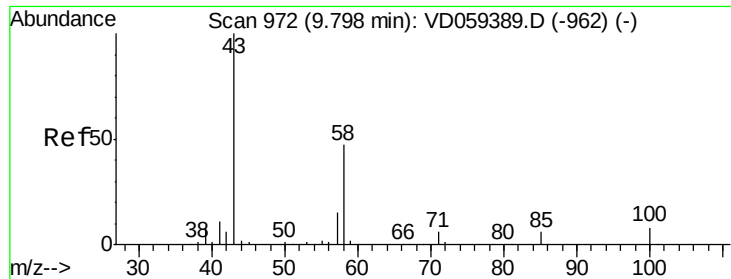
Tot Ion: 76 Resp: 185603
 Ion Ratio Lower Upper
 76 100
 78 34.8 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.987 ug/l
 RT: 8.18 min Scan# 808
 Delta R.T. -0.03 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion: 63 Resp: 344734
 Ion Ratio Lower Upper
 63 100
 106 23.5 20.6 31.0

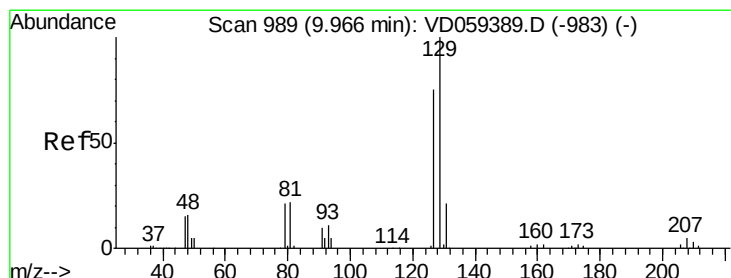
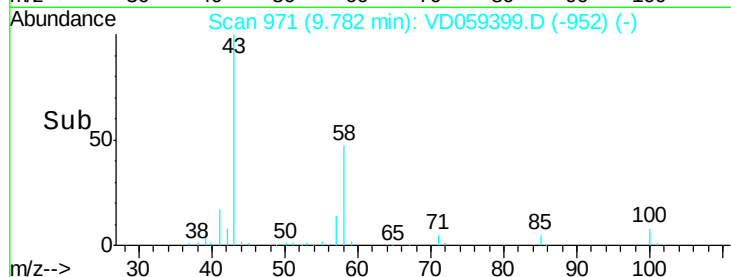
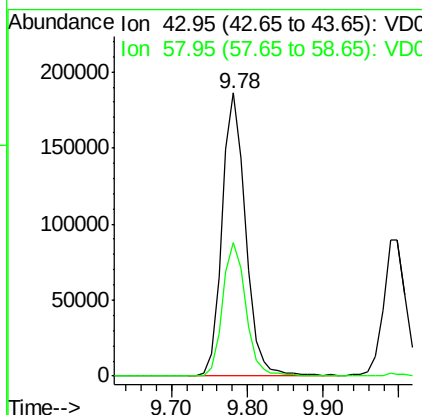
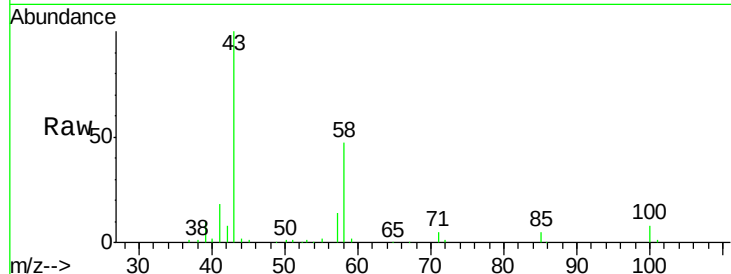




#59
2-Hexanone
Concen: 103.295 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

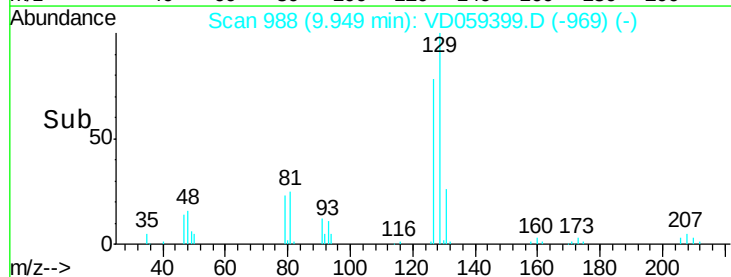
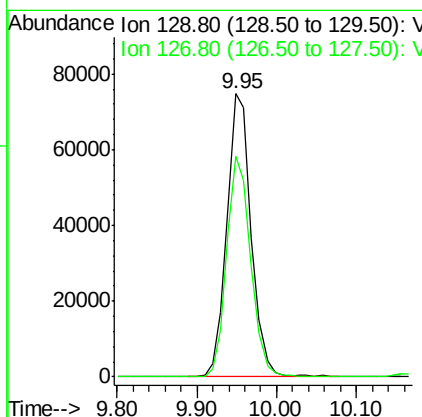
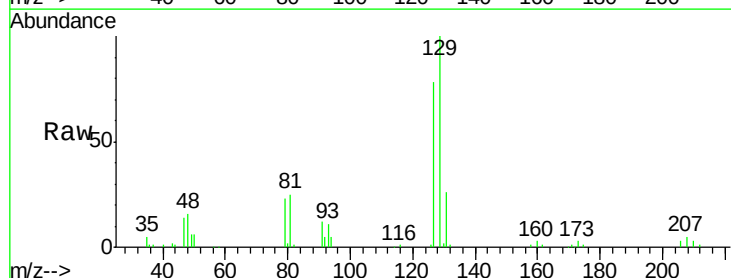
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

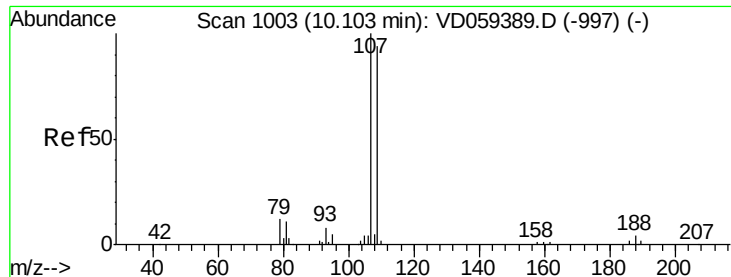
Tot Ion: 43 Resp: 401925
Ion Ratio Lower Upper
43 100
58 47.2 23.3 69.9



#60
Dibromochloromethane
Concen: 20.508 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion: 129 Resp: 160533
Ion Ratio Lower Upper
129 100
127 77.9 37.3 111.8

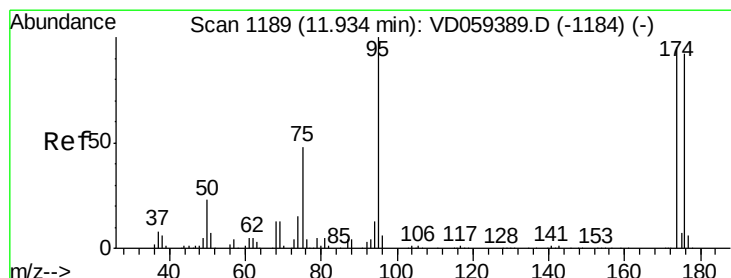
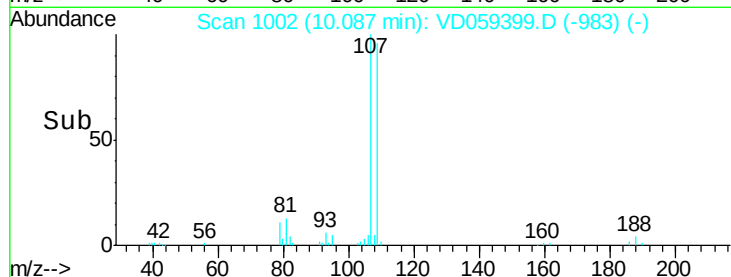
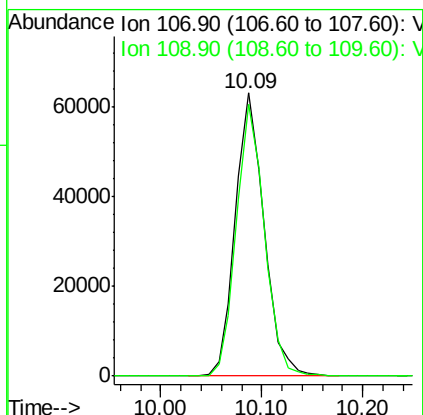
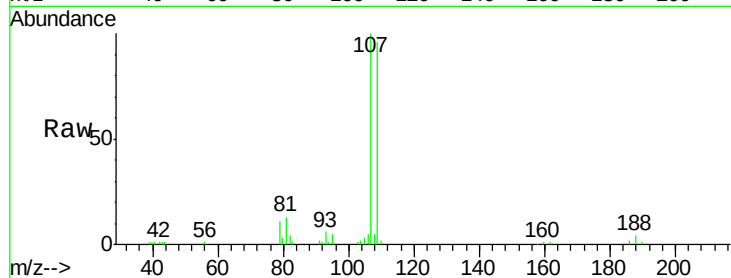




#61
 1,2-Dibromoethane
 Concen: 20.141 ug/l
 RT: 10.09 min Scan# 1002
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

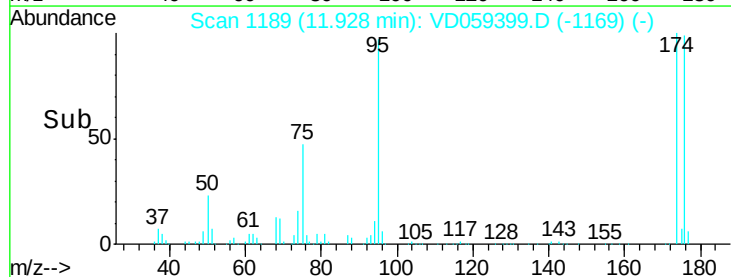
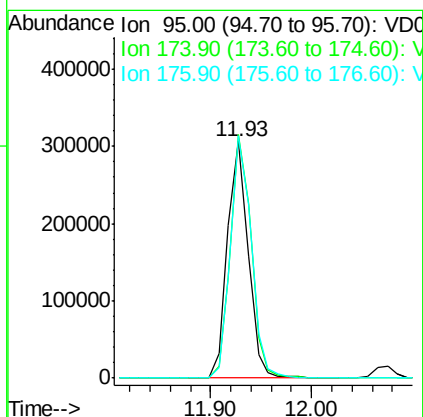
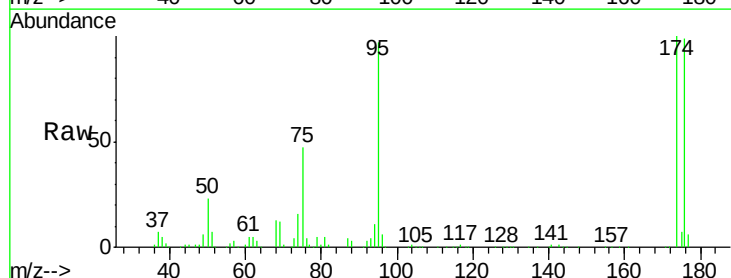
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

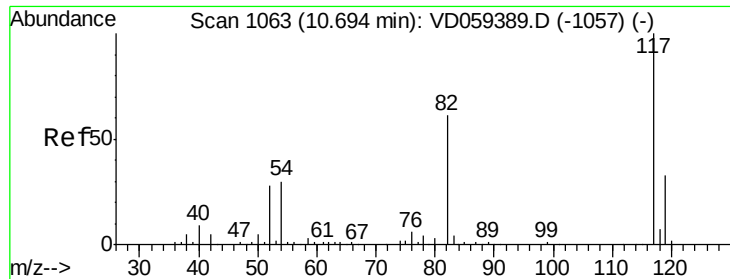
Tot Ion:107 Resp: 125375
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 20.141 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion: 95 Resp: 437682
 Ion Ratio Lower Upper
 95 100
 174 102.7 0.0 190.4
 176 102.0 0.0 183.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

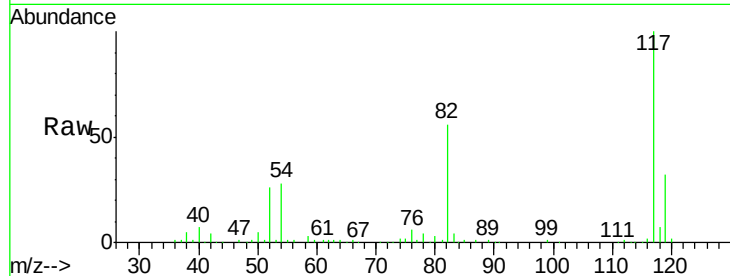
Tot Ion:117 Resp: 941880

Ion Ratio Lower Upper

117 100

82 55.9 49.0 73.6

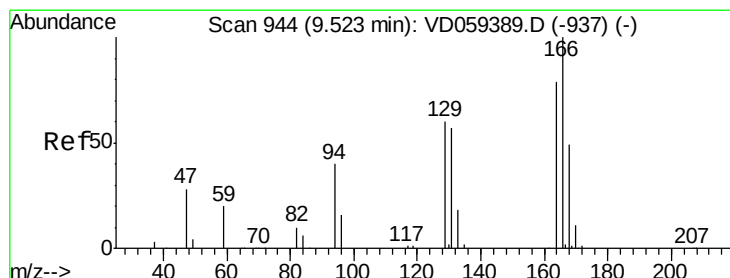
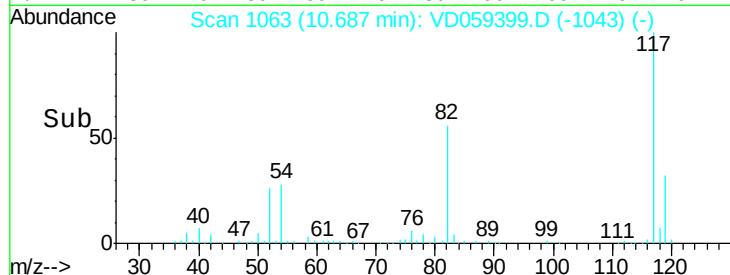
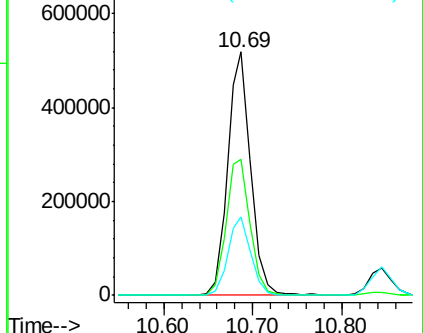
119 32.1 26.2 39.4



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: 20.882 ug/l

RT: 9.51 min Scan# 943

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Tgt Ion:164 Resp: 172542

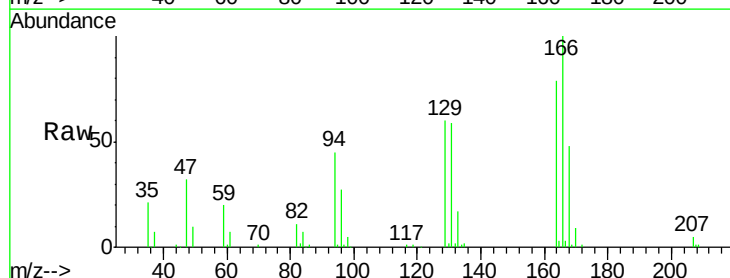
Ion Ratio Lower Upper

164 100

166 127.3 101.4 152.2

129 77.0 60.9 91.3

131 74.8 58.2 87.4

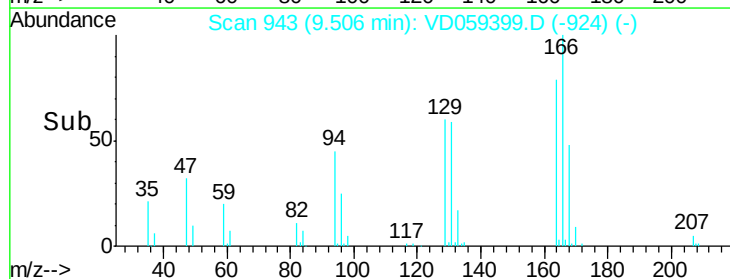
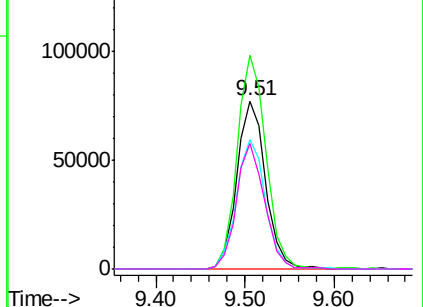


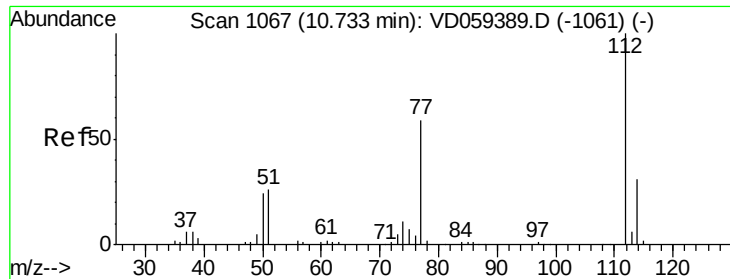
Abundance Ion 163.85 (163.55 to 164.55): V

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

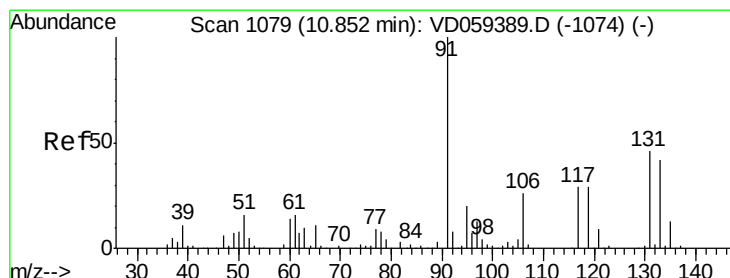
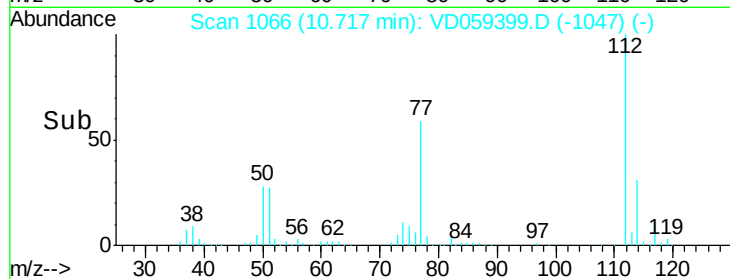
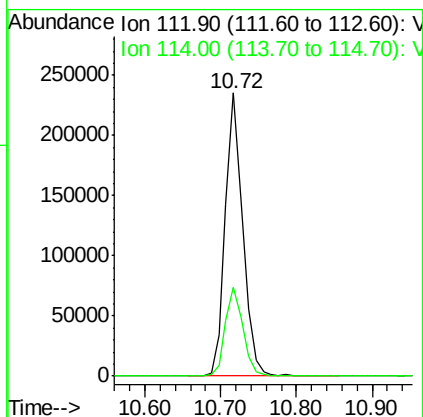
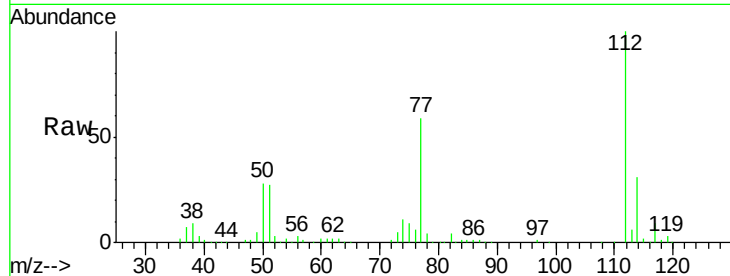




#65
Chlorobenzene
Concen: 21.974 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

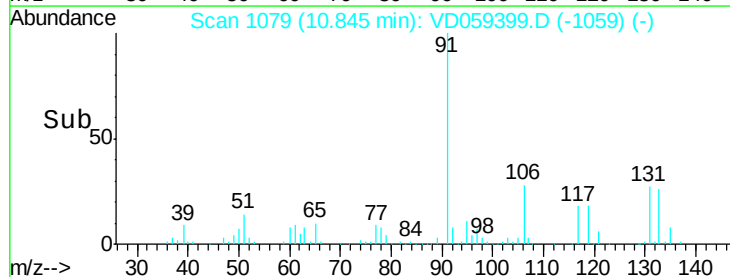
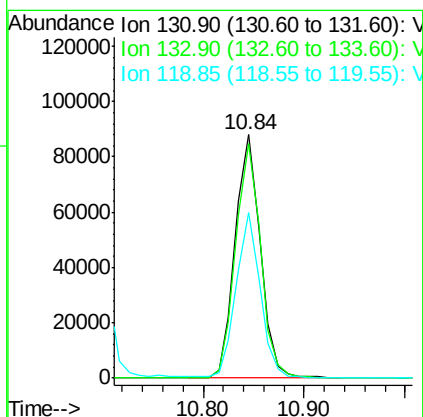
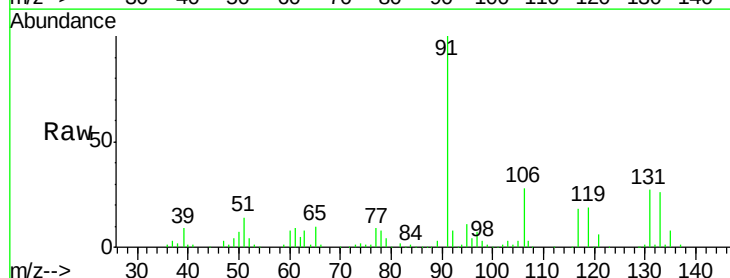
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

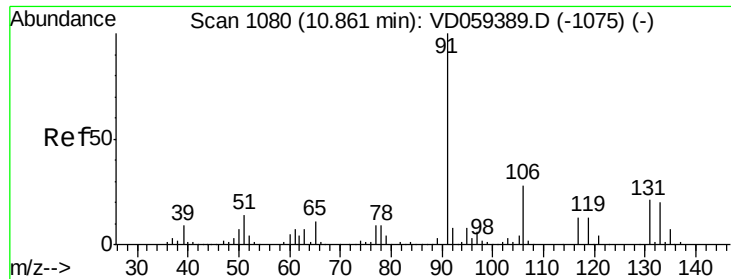
Tot Ion:112 Resp: 378452
Ion Ratio Lower Upper
112 100
114 31.2 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.070 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion:131 Resp: 152514
Ion Ratio Lower Upper
131 100
133 96.3 45.7 137.1
119 68.2 32.3 96.9

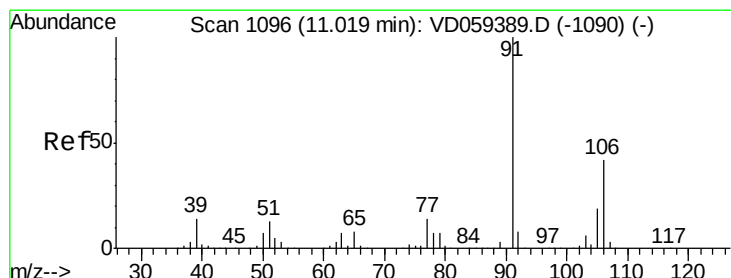
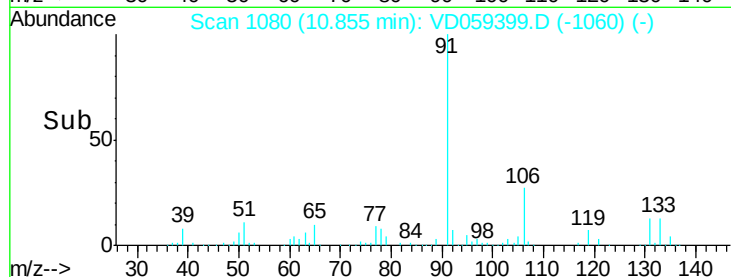
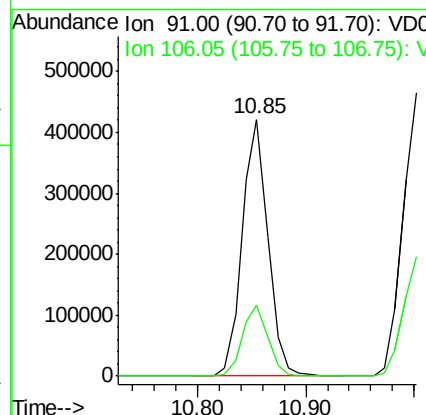
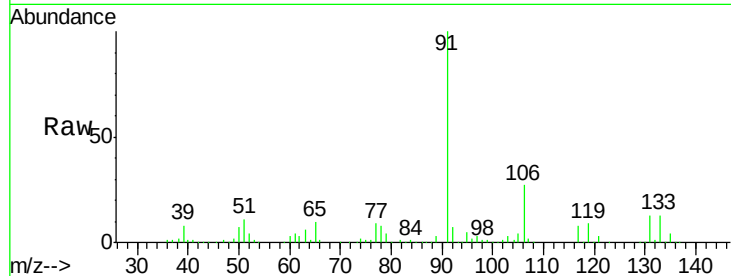




#67
Ethyl Benzene
Concen: 23.883 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

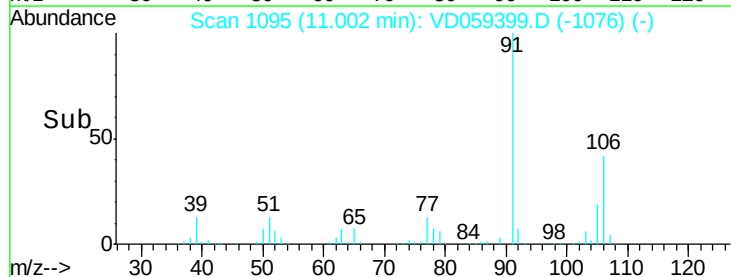
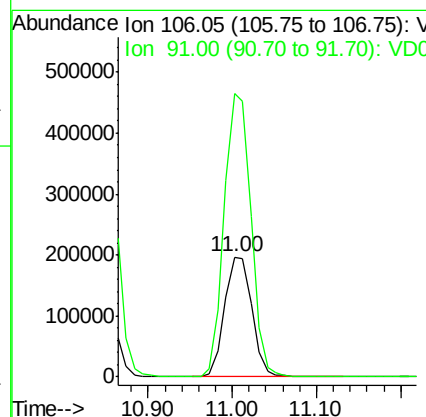
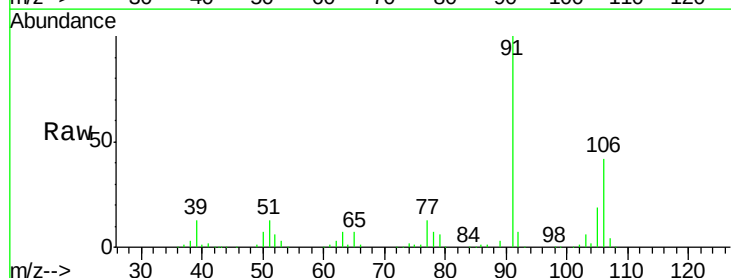
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

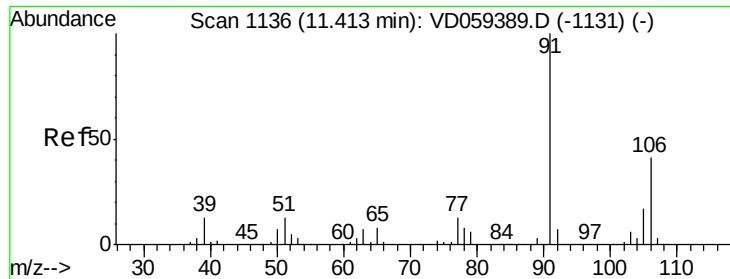
Tot Ion: 91 Resp: 694083
Ion Ratio Lower Upper
91 100
106 27.5 22.3 33.5



#68
m/p-Xylenes
Concen: 46.067 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion: 106 Resp: 444176
Ion Ratio Lower Upper
106 100
91 236.0 191.0 286.6

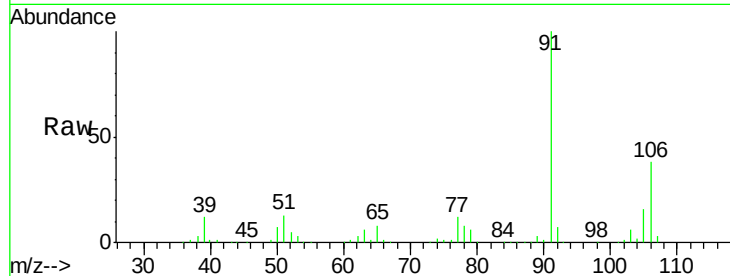




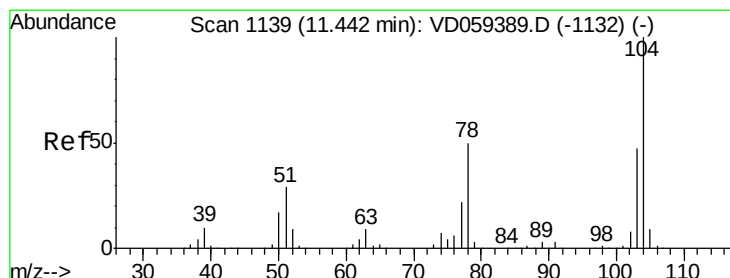
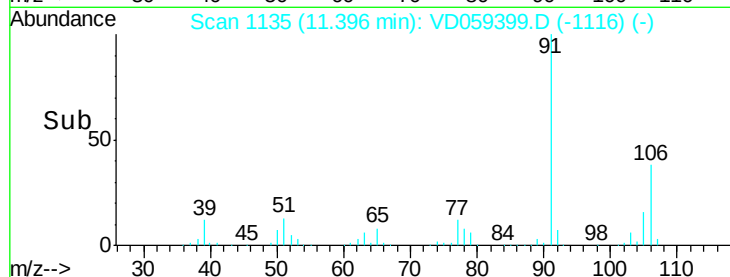
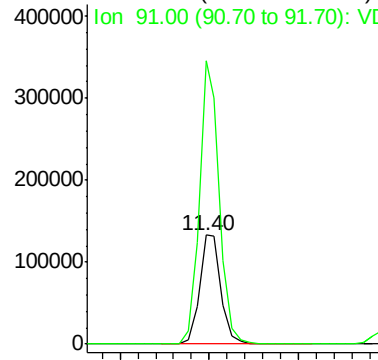
#69
o-Xylene
Concen: 23.541 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

Tot Ion:106 Resp: 224402
Ion Ratio Lower Upper
106 100
91 260.3 121.0 362.8

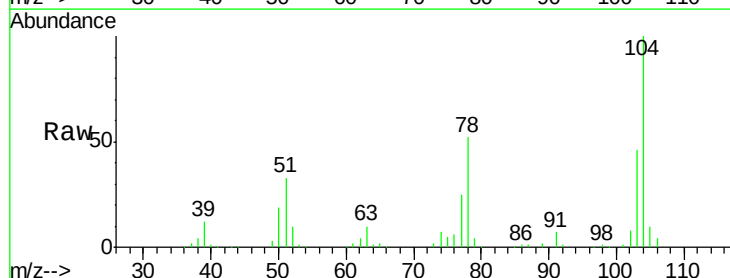


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

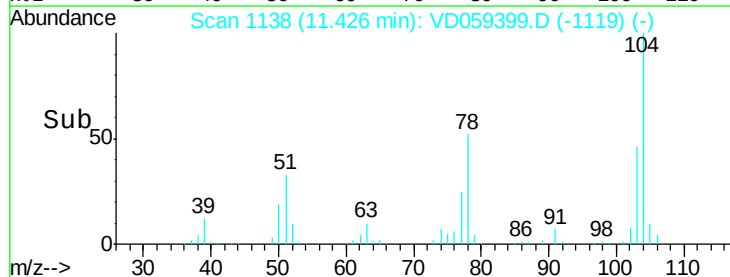
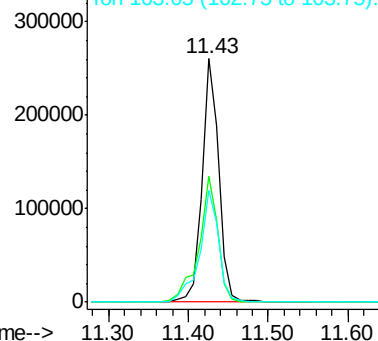


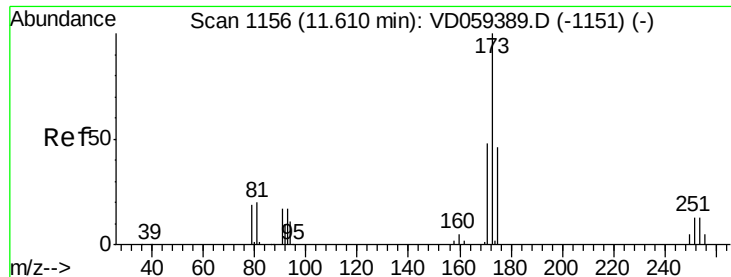
#70
Styrene
Concen: 23.522 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion:104 Resp: 384347
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 45.9 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

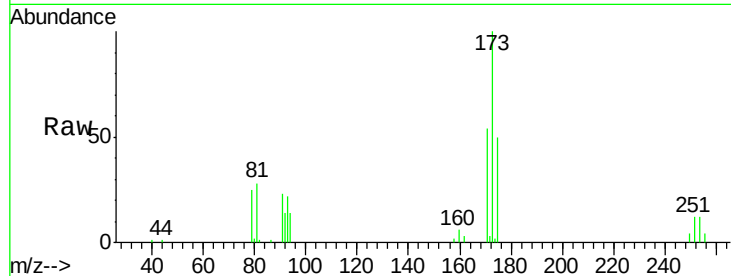




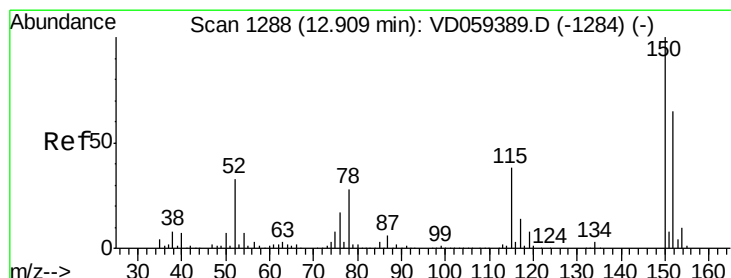
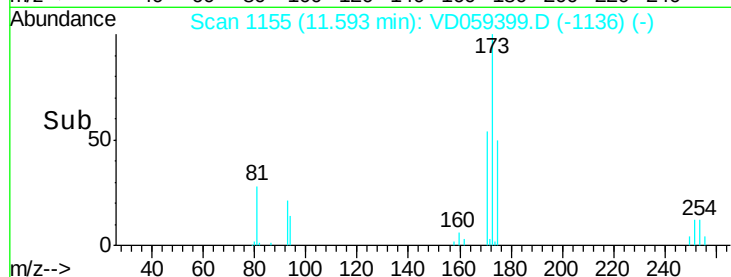
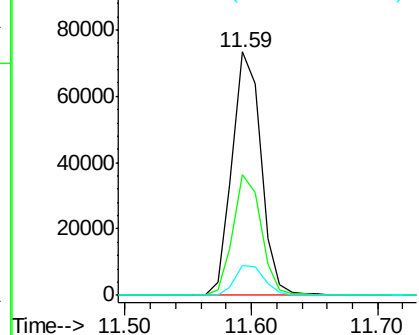
#71
Bromoform
Concen: 21.178 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

Tot Ion:173 Resp: 115984
Ion Ratio Lower Upper
173 100
175 49.6 22.8 68.4
254 12.5 10.1 15.1

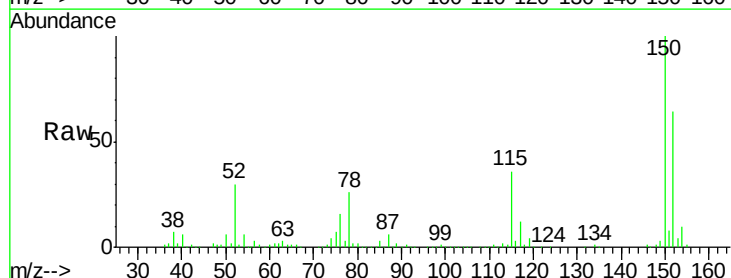


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

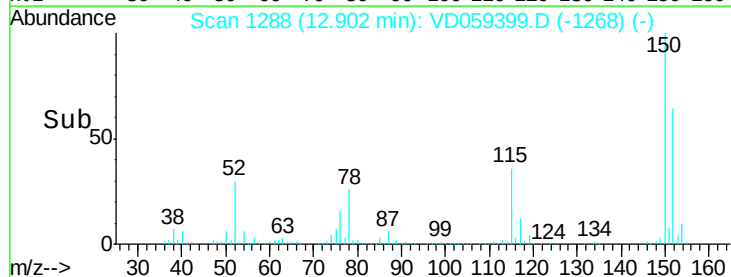
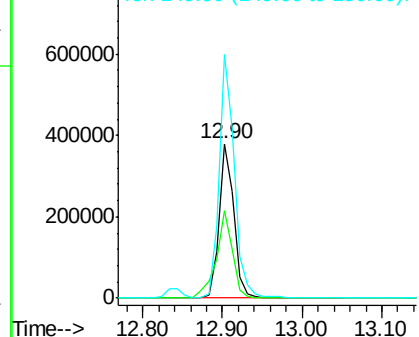


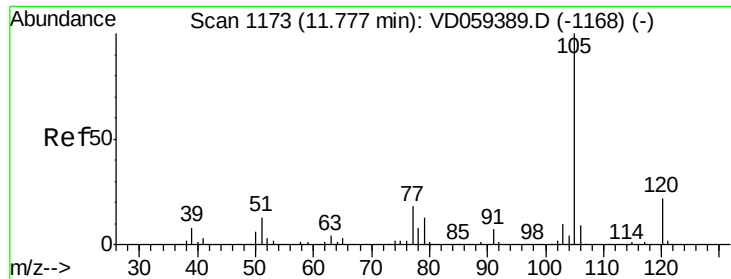
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion:152 Resp: 495884
Ion Ratio Lower Upper
152 100
115 56.8 29.4 88.3
150 157.5 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: 22.529 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

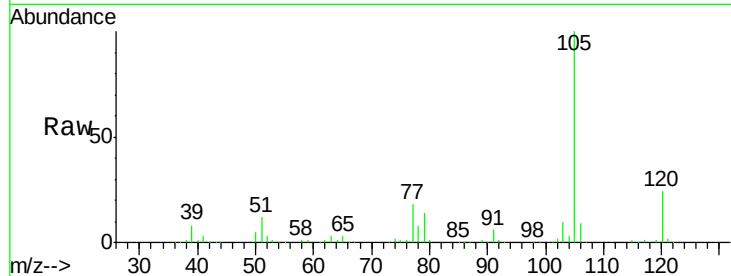
VD0625SBS02

Tot Ion:105 Resp: 630430

Ion Ratio Lower Upper

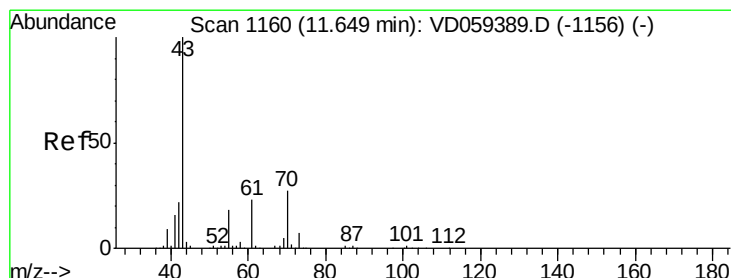
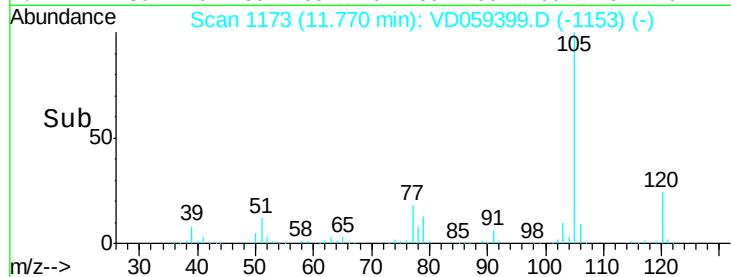
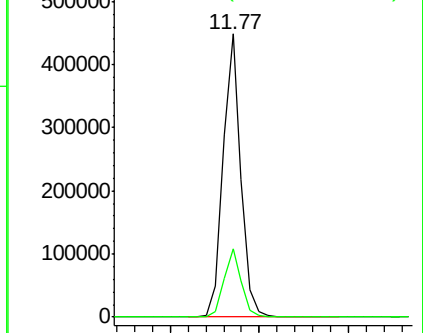
105 100

120 24.0 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.083 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Tgt Ion: 43 Resp: 213819

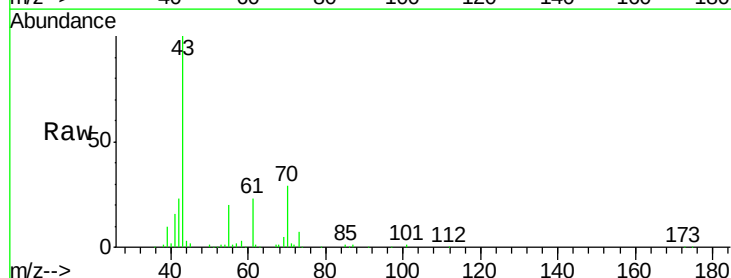
Ion Ratio Lower Upper

43 100

70 29.2 21.7 32.5

55 19.9 14.6 22.0

61 23.4 18.0 27.0

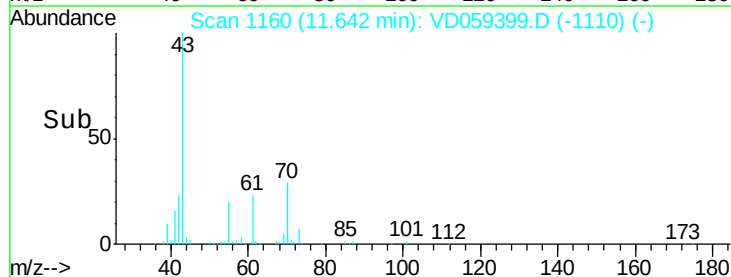
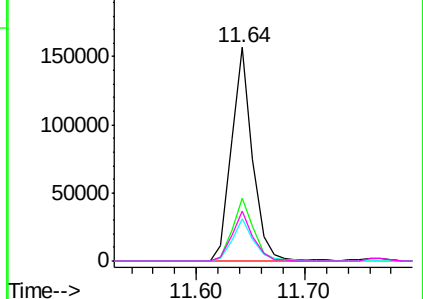


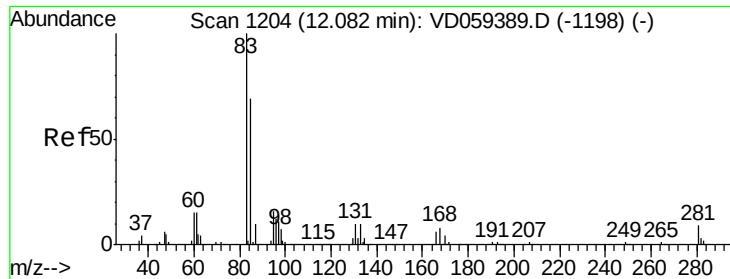
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.286 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

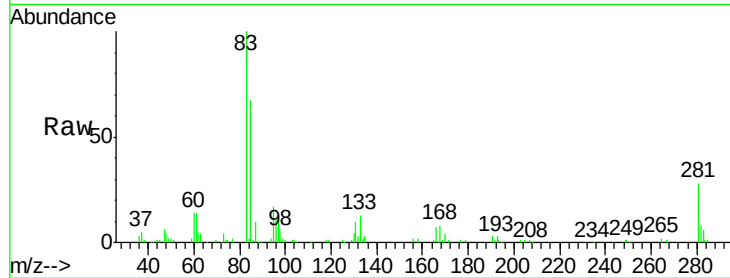
Tot Ion: 83 Resp: 133177

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

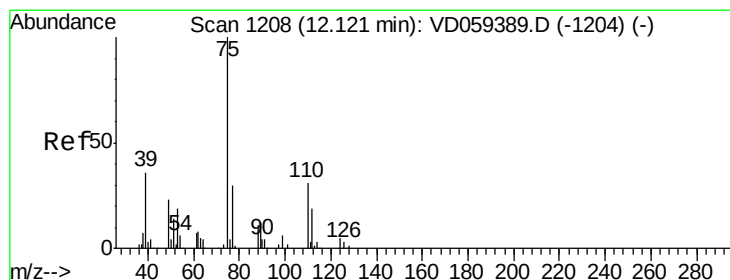
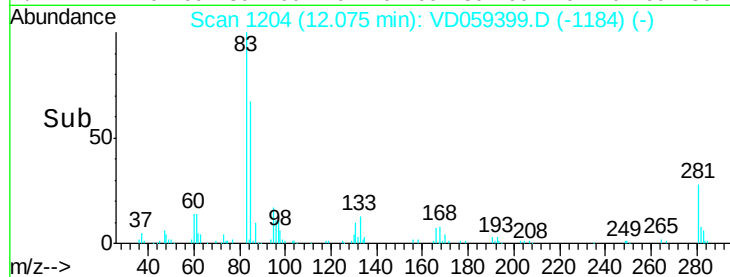
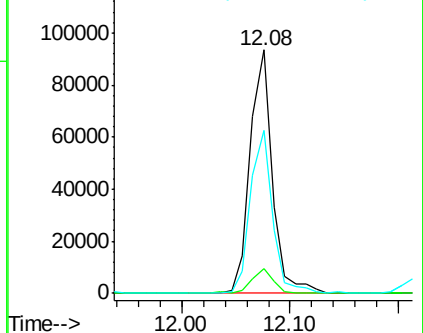
85 67.1 34.6 103.8



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: 21.535 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059399.D

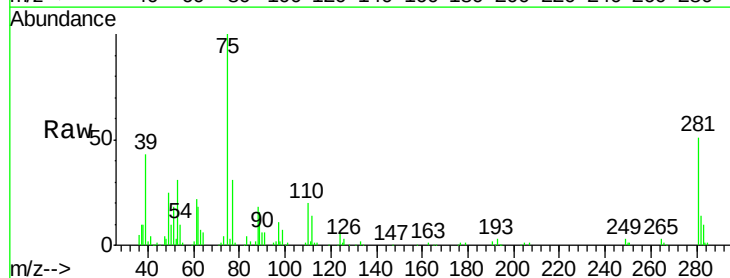
Acq: 25 Jun 2018 15:19

Tgt Ion: 75 Resp: 147300

Ion Ratio Lower Upper

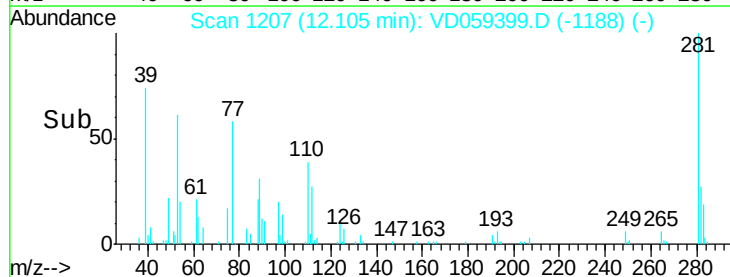
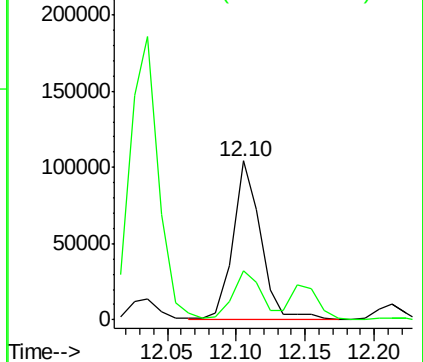
75 100

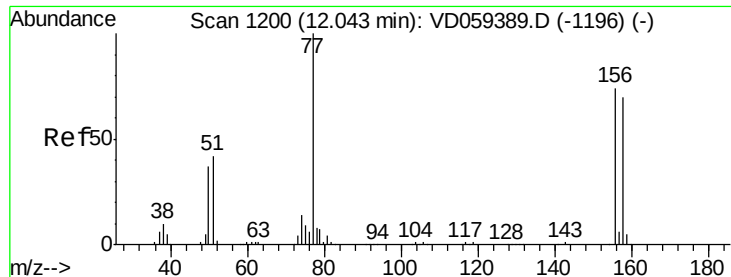
77 30.9 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.587 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

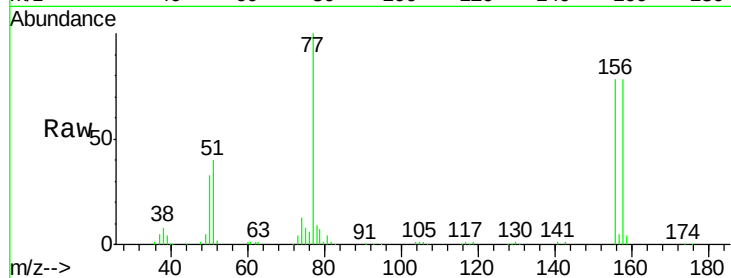
Tot Ion:156 Resp: 198934

Ion Ratio Lower Upper

156 100

77 128.9 68.0 203.8

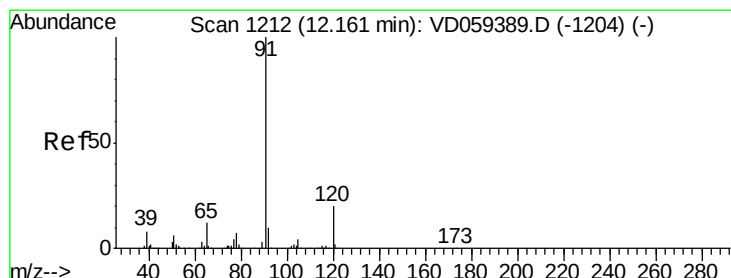
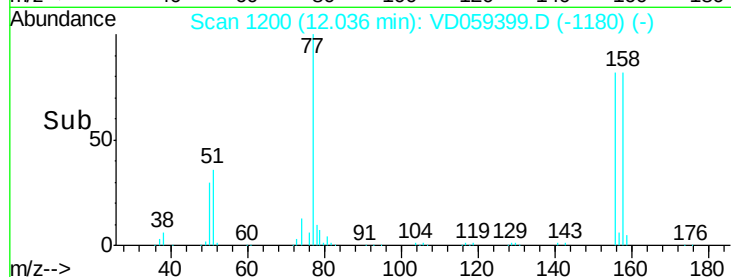
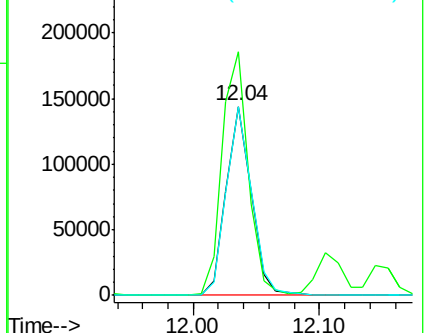
158 100.0 47.7 143.1



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: 23.004 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.02 min

Lab File: VD059399.D

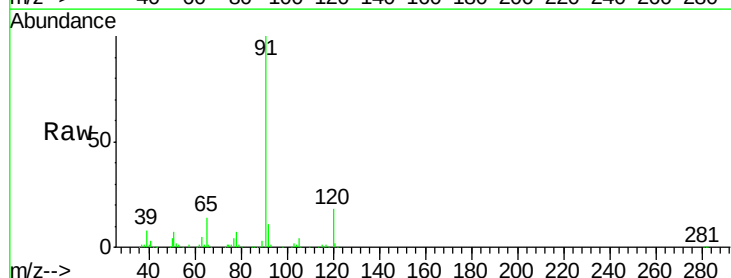
Acq: 25 Jun 2018 15:19

Tgt Ion: 91 Resp: 815309

Ion Ratio Lower Upper

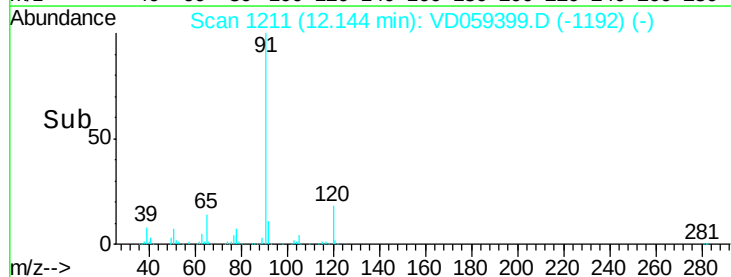
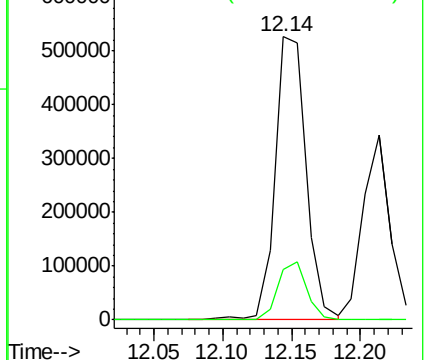
91 100

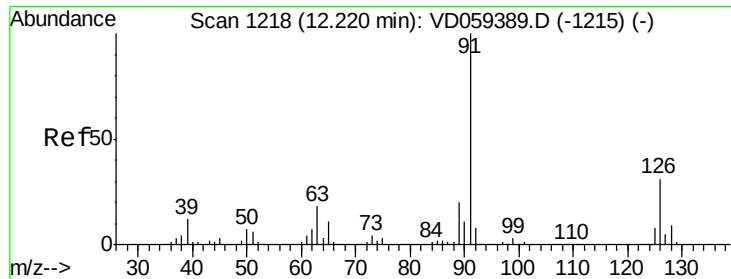
120 18.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

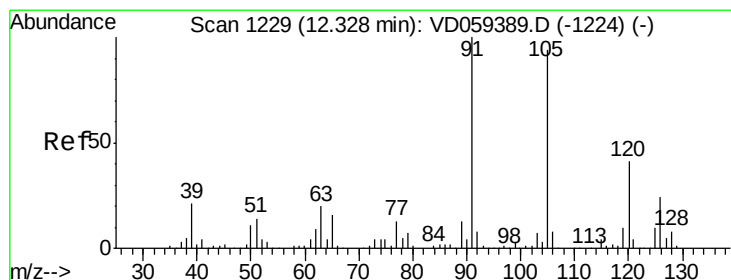
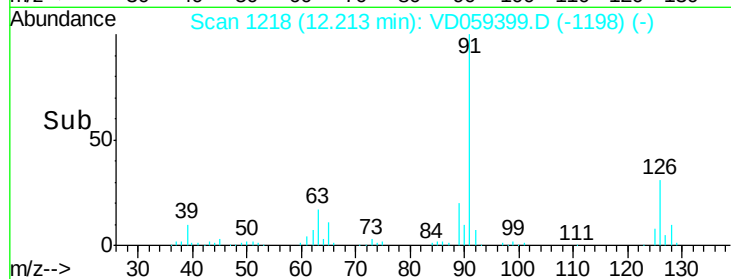
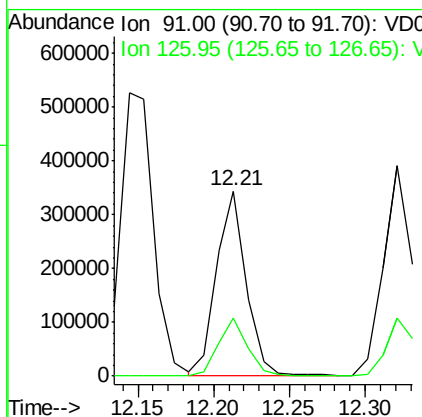
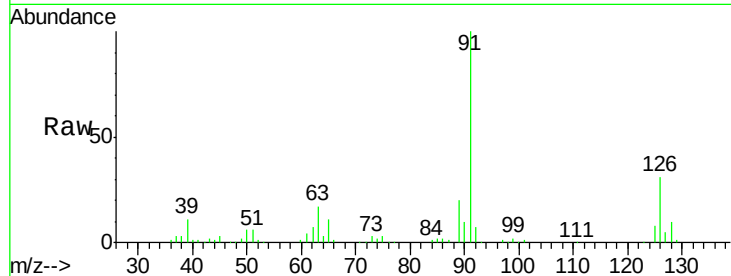




#79
 2-Chlorotoluene
 Concen: 22.566 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

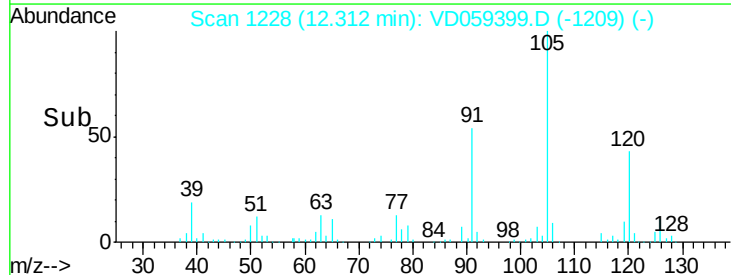
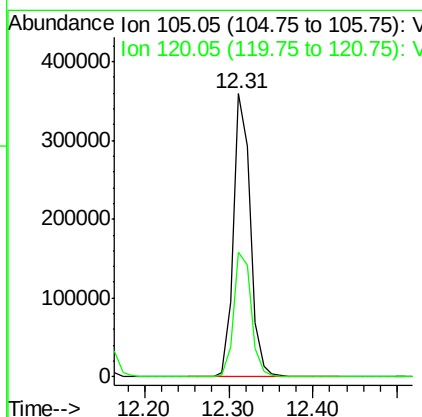
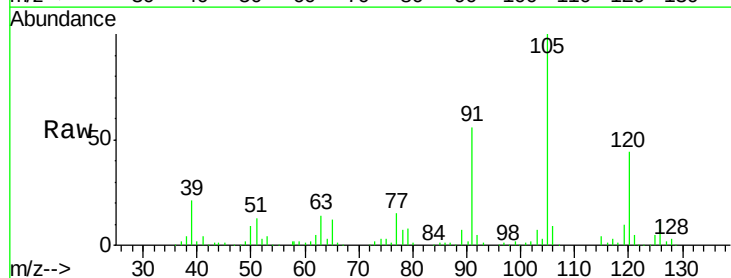
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

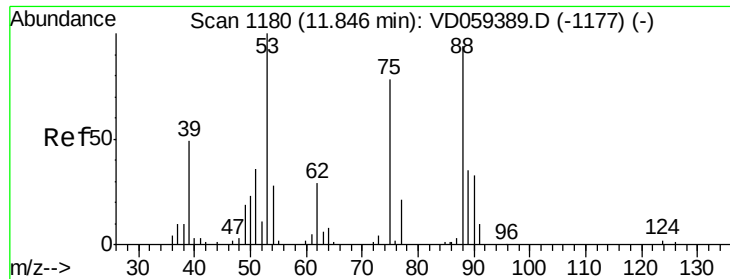
Tot Ion: 91 Resp: 469680
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.411 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion: 105 Resp: 499271
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.879 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD02

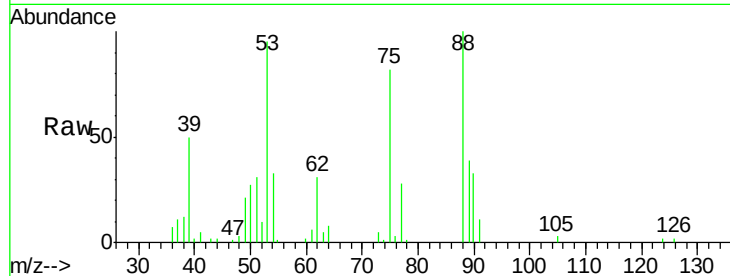
Tot Ion: 75 Resp: 34015

Ion Ratio Lower Upper

75 100

53 115.8 102.6 154.0

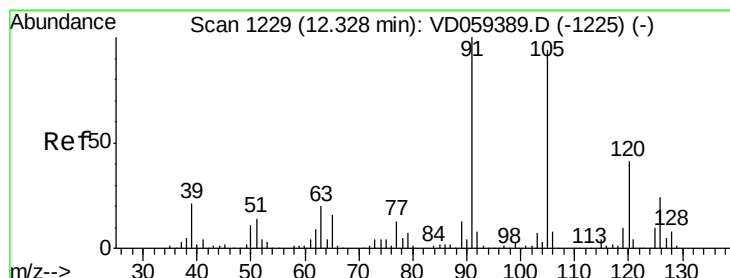
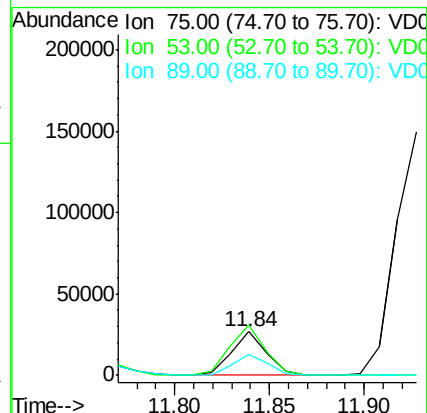
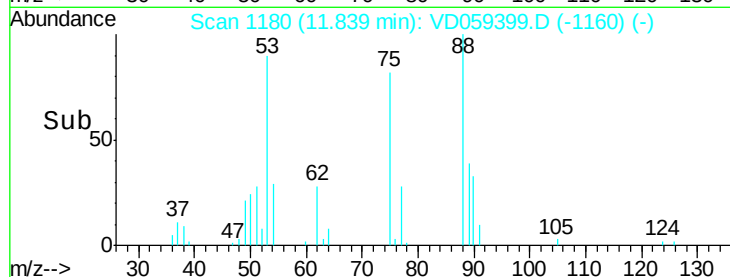
89 48.2 35.9 53.9



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: 22.136 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059399.D

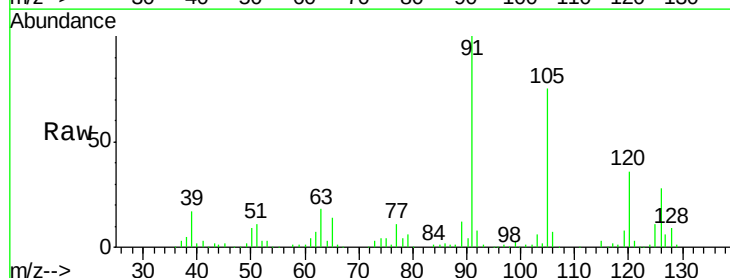
Acq: 25 Jun 2018 15:19

Tgt Ion: 91 Resp: 522433

Ion Ratio Lower Upper

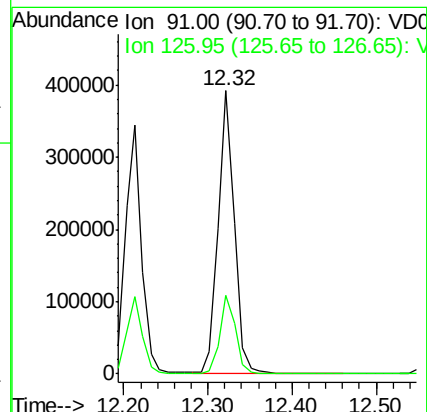
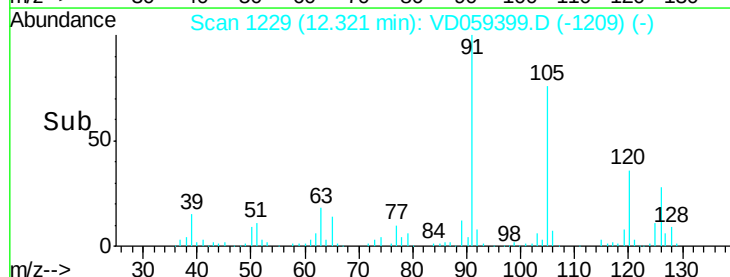
91 100

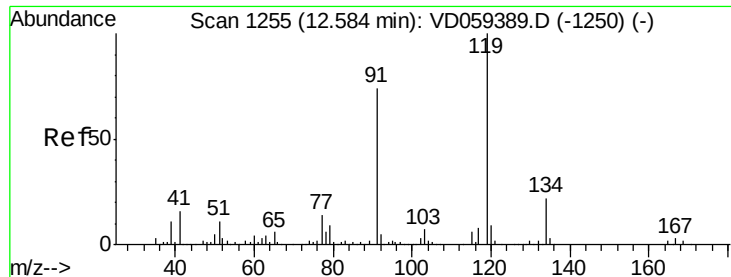
126 27.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

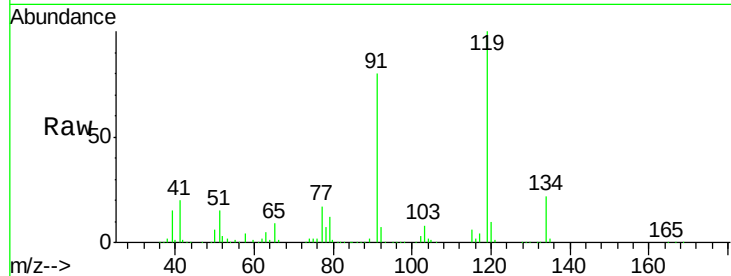




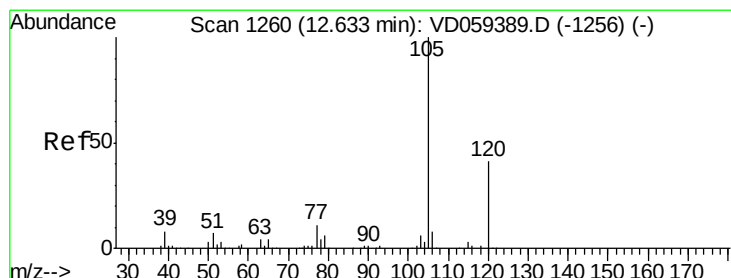
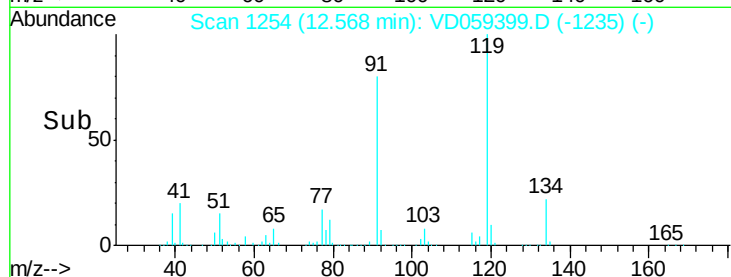
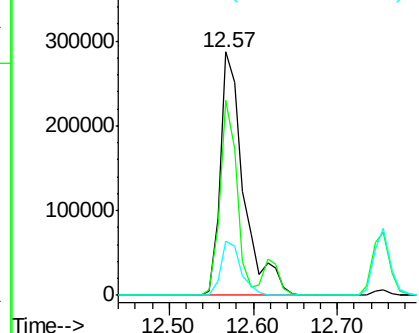
#83
 tert-Butylbenzene
 Concen: 23.362 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

Tot Ion:119 Resp: 553597
 Ion Ratio Lower Upper
 119 100
 91 80.0 36.9 110.7
 134 22.2 11.2 33.6

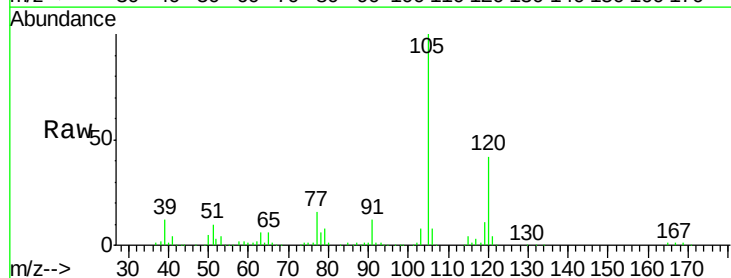


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

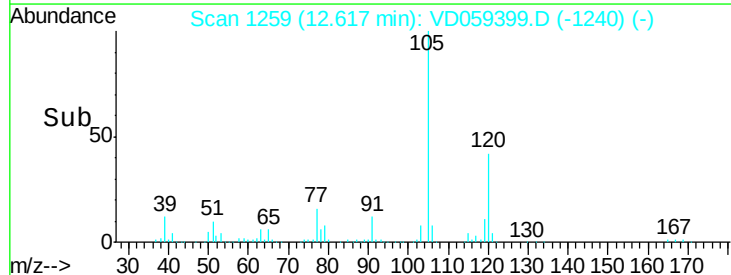
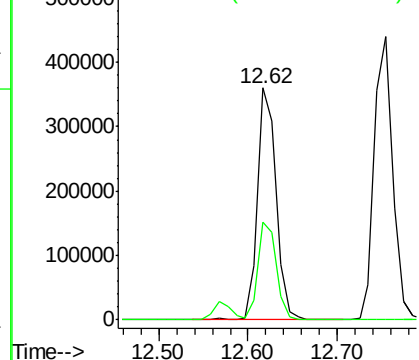


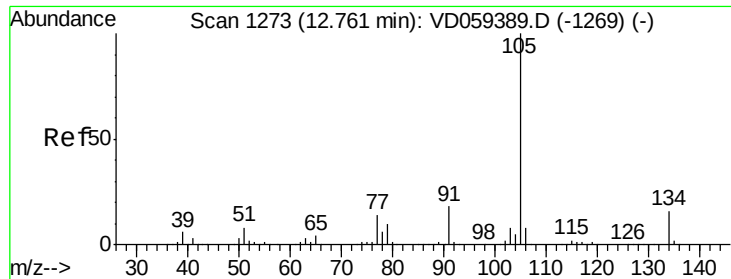
#84
 1,2,4-Trimethylbenzene
 Concen: 21.807 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion:105 Resp: 514119
 Ion Ratio Lower Upper
 105 100
 120 41.9 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: 21.783 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

Instrument :

MSVOA_D

ClientSampleId :

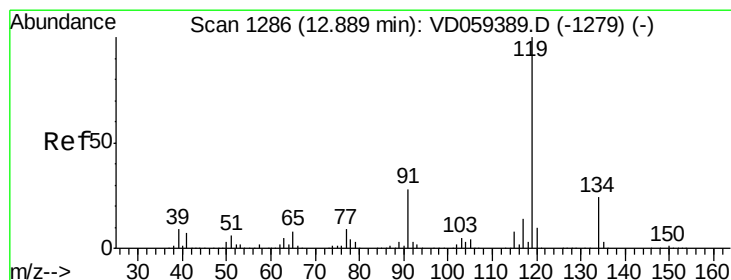
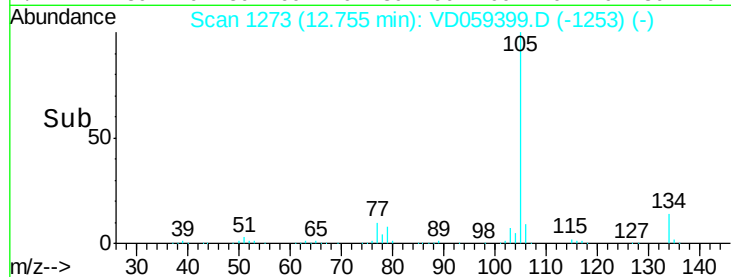
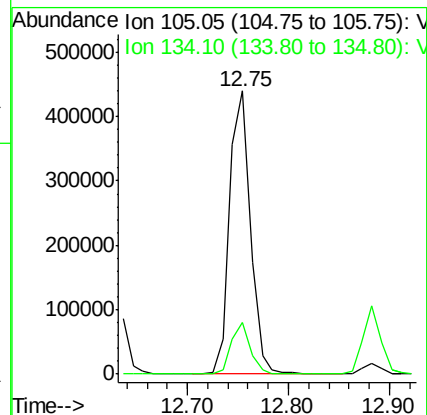
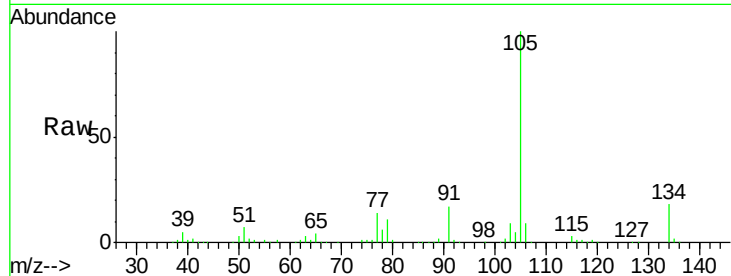
VD0625SBS02

Tot Ion:105 Resp: 633423

Ion Ratio Lower Upper

105 100

134 18.1 8.2 24.6



#86

p-Isopropyltoluene

Concen: 23.232 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

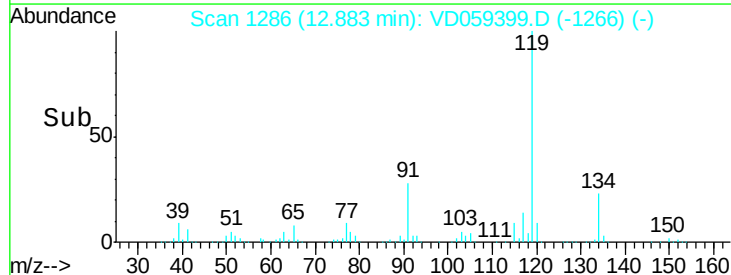
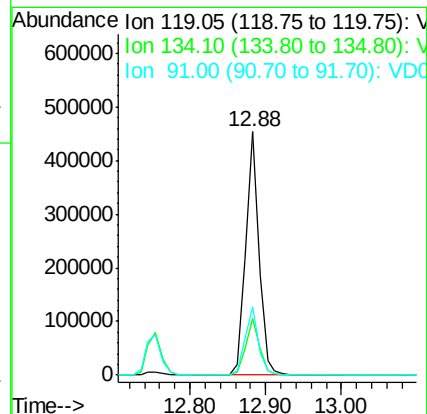
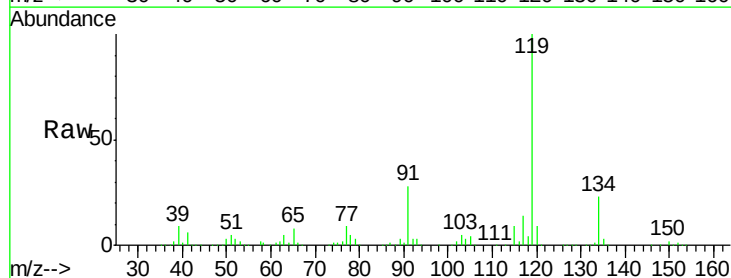
Tgt Ion:119 Resp: 544494

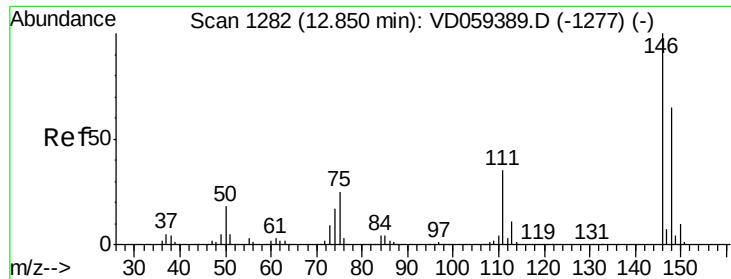
Ion Ratio Lower Upper

119 100

134 23.4 11.9 35.5

91 27.8 14.1 42.4

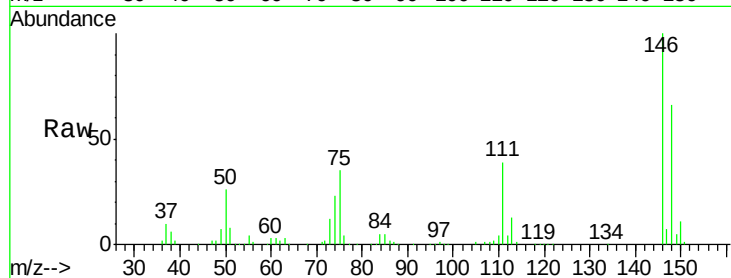




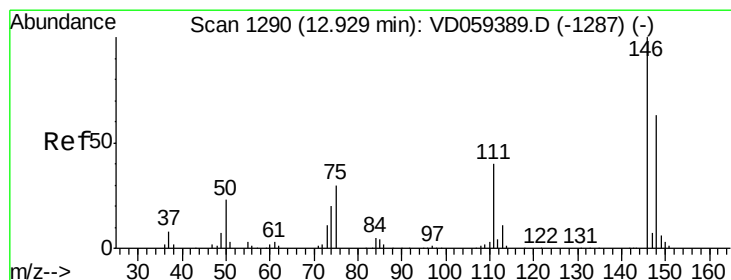
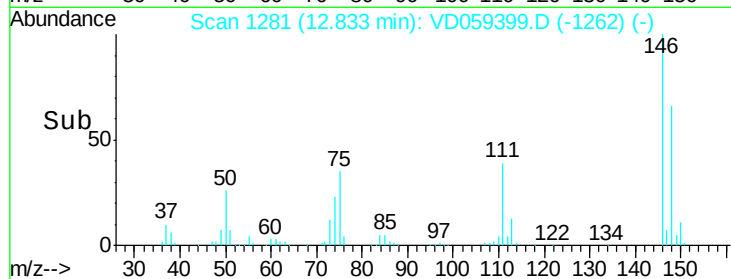
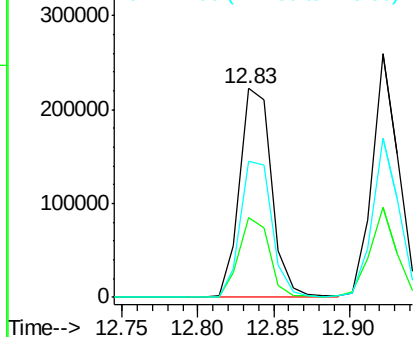
#87
 1,3-Dichlorobenzene
 Concen: 22.592 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

Tot Ion:146 Resp: 327349
 Ion Ratio Lower Upper
 146 100
 111 38.5 17.6 52.8
 148 65.6 32.4 97.2

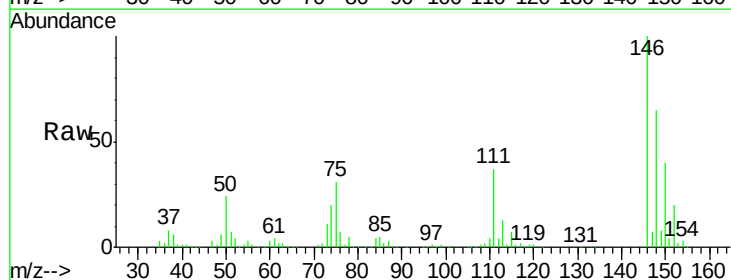


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

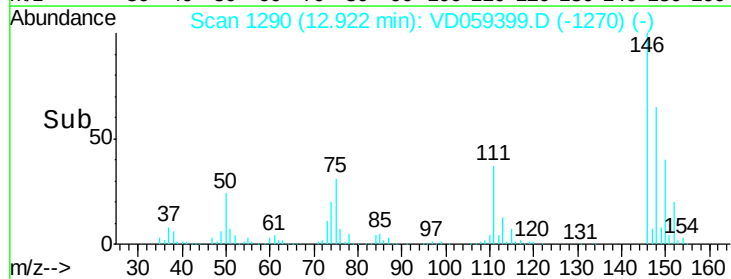
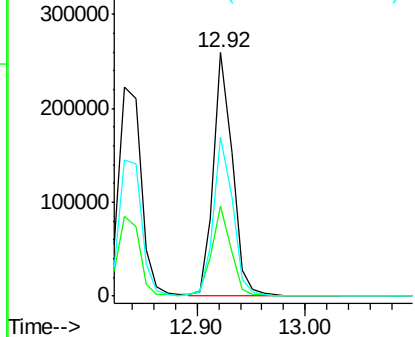


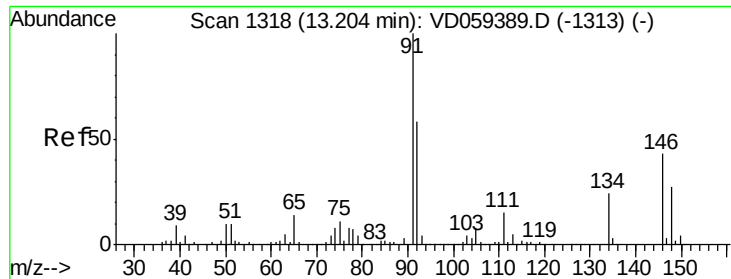
#88
 1,4-Dichlorobenzene
 Concen: 22.404 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion:146 Resp: 320342
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.1 60.2
 148 65.4 31.4 94.0



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

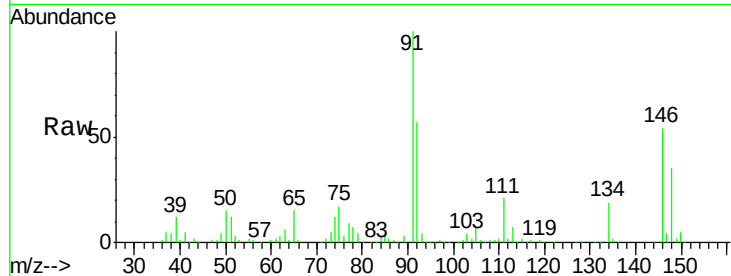




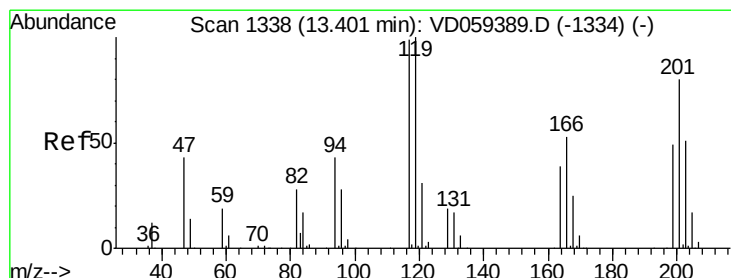
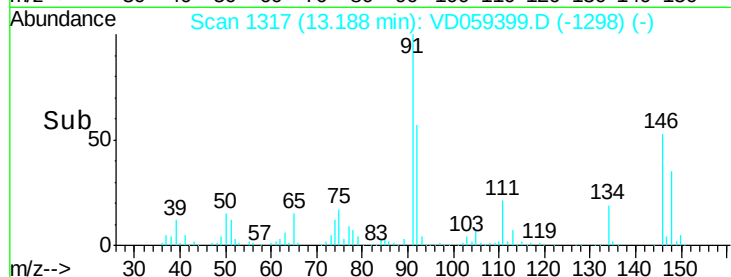
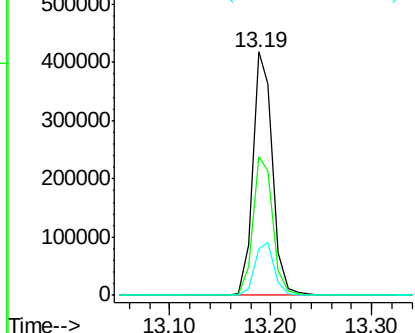
#89
n-Butylbenzene
Concen: 24.674 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

Tot Ion: 91 Resp: 570843
Ion Ratio Lower Upper
91 100
92 56.9 28.8 86.5
134 19.0 11.9 35.7

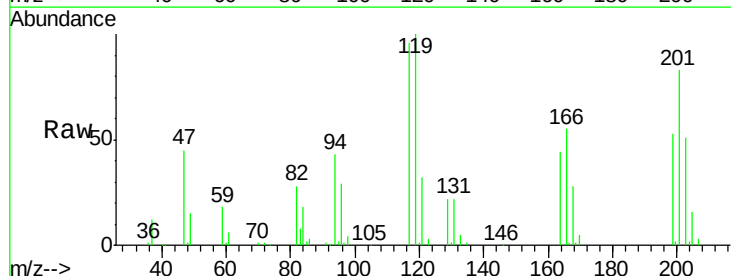


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

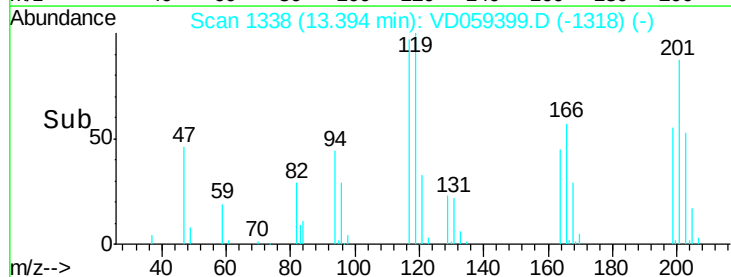
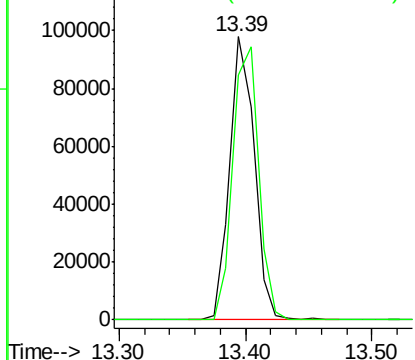


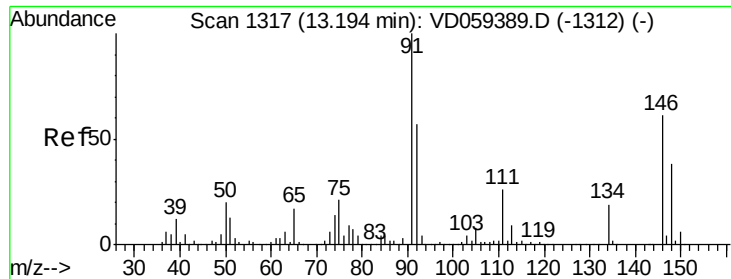
#90
Hexachloroethane
Concen: 22.479 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion: 117 Resp: 131444
Ion Ratio Lower Upper
117 100
201 86.4 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

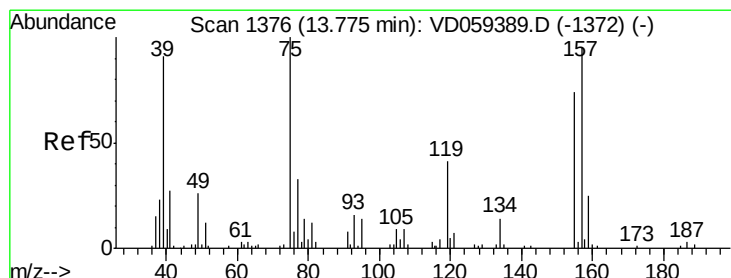
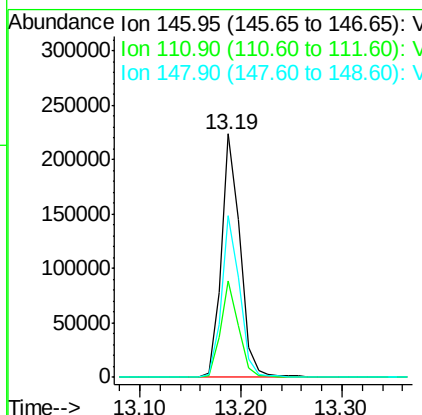
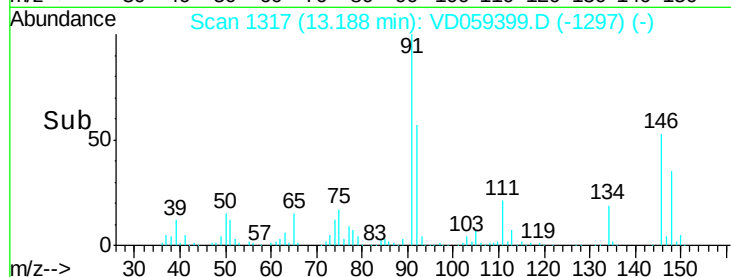
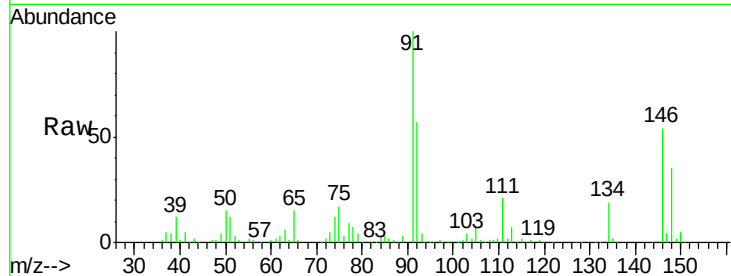




#91
 1,2-Dichlorobenzene
 Concen: 23.650 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

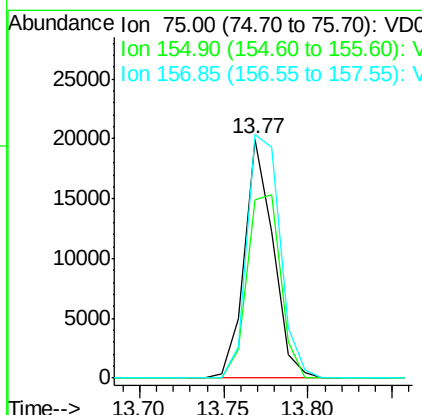
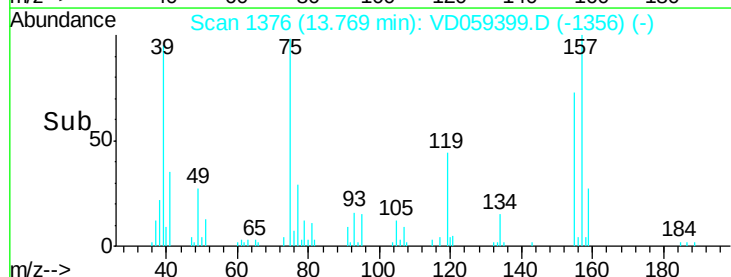
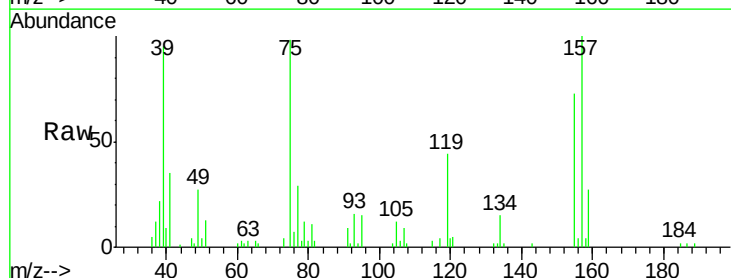
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

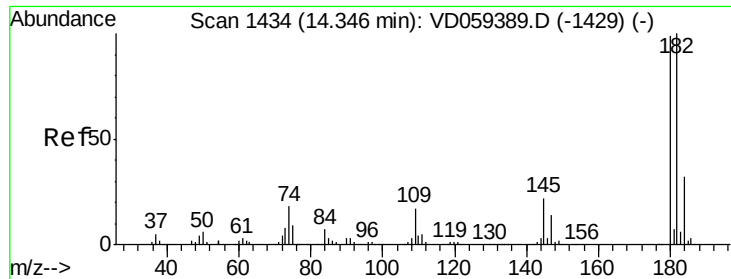
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.4	64.2
148	66.3	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.760 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	37.2	111.6
157	102.0	47.4	142.2

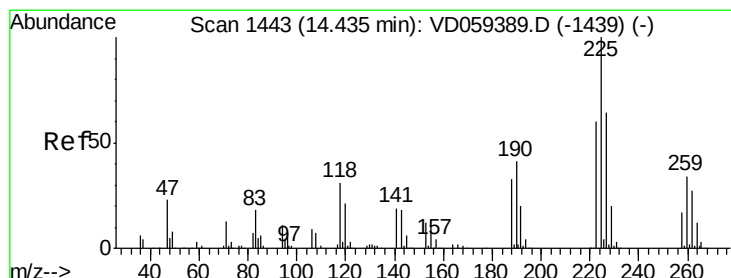
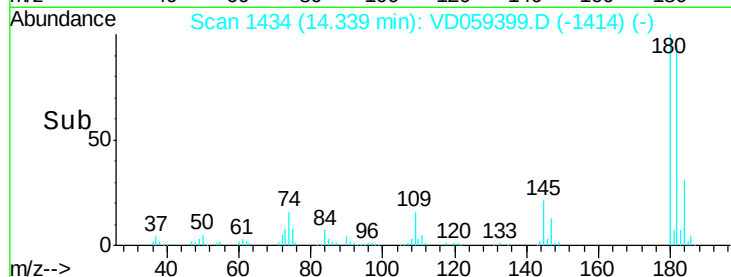
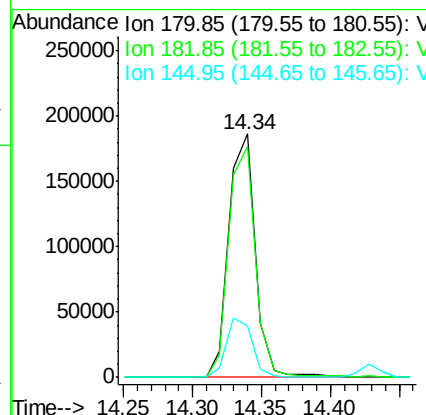
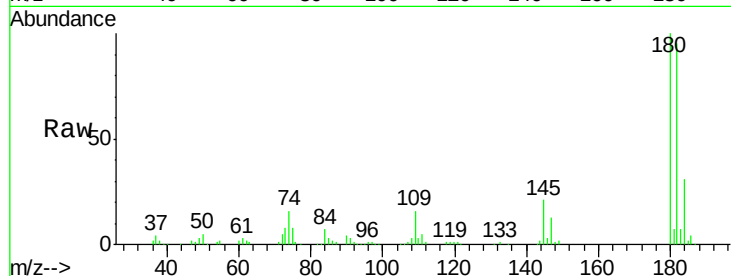




#93
 1,2,4-Trichlorobenzene
 Concen: 21.909 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

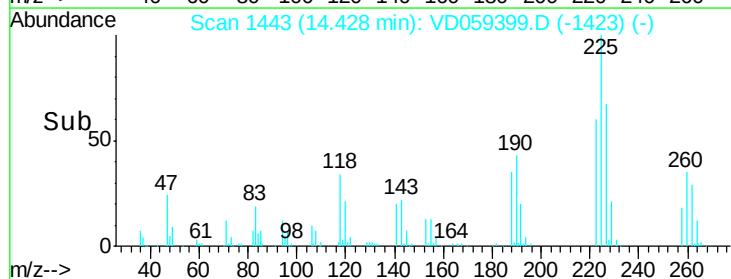
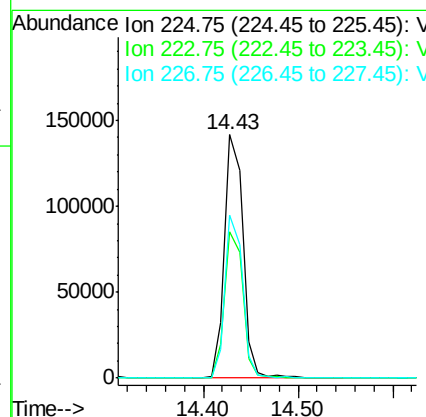
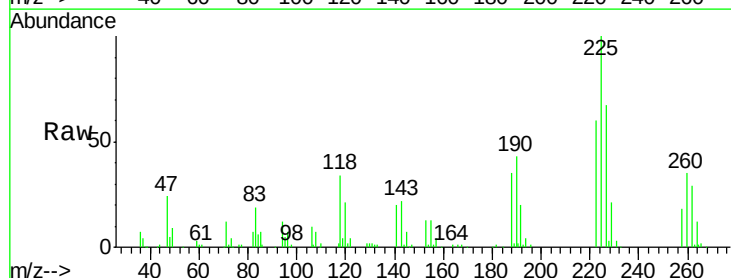
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

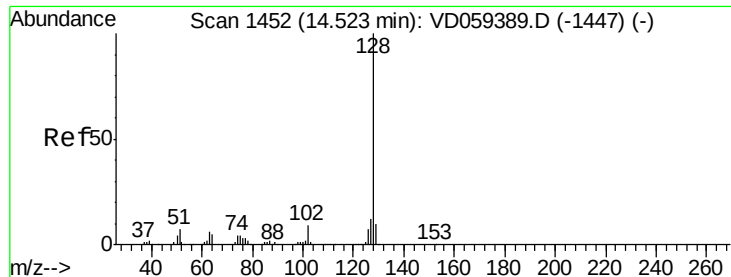
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	50.4	151.2
145	21.3	11.0	33.0



#94
 Hexachlorobutadiene
 Concen: 22.495 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	30.0	90.1
227	67.0	32.1	96.5

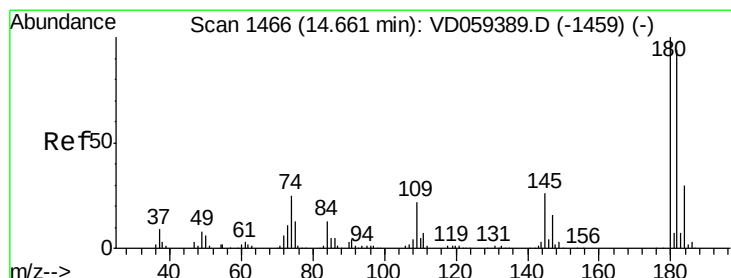
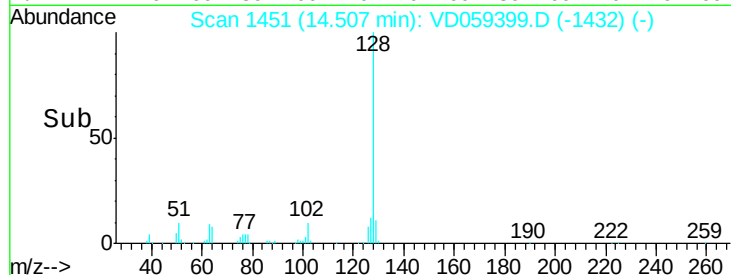
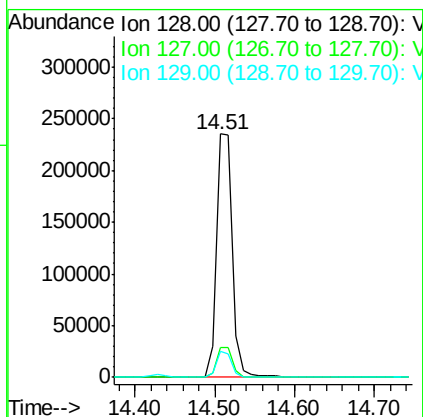
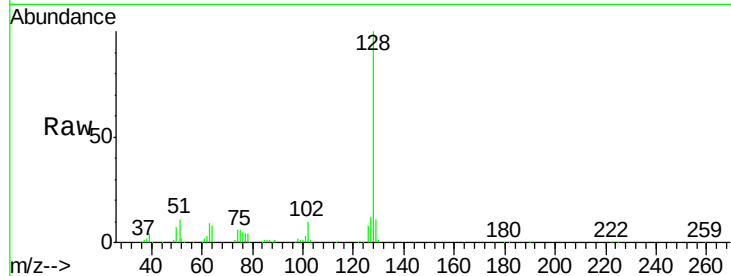




#95
Naphthalene
Concen: 20.903 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

Tot Ion:128 Resp: 330886
Ion Ratio Lower Upper
128 100
127 12.4 9.6 14.4
129 10.6 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 22.101 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Tgt Ion:180 Resp: 225701
Ion Ratio Lower Upper
180 100
182 94.5 47.1 141.4
145 26.9 13.1 39.3

