

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059399.D
 Acq On : 25 Jun 2018 15:19
 Operator : VA/AP
 Sample : VD0625SBSD02
 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)
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	50.000		Recovery	=	88.46%	
35) Dibromofluoromethane	5.54	113	439445	45.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.12%	
50) Toluene-d8	8.70	98	1019688	45.22	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	90.44%	
62) 4-Bromofluorobenzene	11.93	95	437682	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	203210	24.80	ug/l	99
3) Chloromethane	1.48	50	101917	23.90	ug/l	95
4) Vinyl Chloride	1.55	62	102902	23.26	ug/l	91
5) Bromomethane	1.79	94	34361	20.80	ug/l	88
6) Chloroethane	1.87	64	34711	17.13	ug/l	98
7) Trichlorofluoromethane	2.07	101	141001	22.11	ug/l	98
8) Diethyl Ether	2.34	74	30483	21.12	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.54	101	93407	23.57	ug/l	88
10) Methyl Iodide	2.68	142	101650	21.96	ug/l	95
11) Tert butyl alcohol	3.25	59	28244	86.69	ug/l	95
12) 1,1-Dichloroethene	2.54	96	64614	21.29	ug/l	96
13) Acrolein	2.46	56	36388	124.93	ug/l	96
14) Allyl chloride	2.91	41	156872	22.59	ug/l	99
15) Acrylonitrile	3.35	53	92184	92.19	ug/l	88
16) Acetone	2.61	43	127542	107.30	ug/l	97
17) Carbon Disulfide	2.74	76	217610	23.41	ug/l	97
18) Methyl Acetate	2.93	43	57152	21.12	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	260020	17.41	ug/l	98
20) Methylene Chloride	3.06	84	93173	27.12	ug/l	97
21) trans-1,2-Dichloroethene	3.37	96	89995	16.77	ug/l	# 82
22) Diisopropyl ether	4.06	45	551636	21.11	ug/l	94
23) Vinyl Acetate	4.00	43	1445290	106.15	ug/l	99
24) 1,1-Dichloroethane	3.96	63	315908	21.13	ug/l	98
25) 2-Butanone	4.83	43	249354	100.14	ug/l	94
26) 2,2-Dichloropropane	4.78	77	274819	23.70	ug/l	99
27) cis-1,2-Dichloroethene	4.79	96	182462	20.24	ug/l	93
28) Bromochloromethane	5.14	49	126555	19.52	ug/l	91
29) Tetrahydrofuran	5.17	42	133402	97.95	ug/l	98
30) Chloroform	5.31	83	352185	21.61	ug/l	98
31) Cyclohexane	5.58	56	241376	22.30	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	290966	22.05	ug/l	96
36) 1,1-Dichloropropene	5.74	75	241638	22.49	ug/l	95
37) Ethyl Acetate	4.92	43	128365	19.62	ug/l	97
38) Carbon Tetrachloride	5.72	117	254039	22.94	ug/l	99

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 Sample : VD0625SBSD02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 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)
39) Methylcyclohexane	7.27	83	234006	22.97	ug/l	93
40) Benzene	6.00	78	573097	22.23	ug/l	98
41) Methacrylonitrile	5.12	41	61011	19.36	ug/l	96
42) 1,2-Dichloroethane	6.12	62	237032	20.81	ug/l	96
43) Isopropyl Acetate	7.62	43	163474	19.90	ug/l #	98
44) Trichloroethene	6.98	130	176365	20.89	ug/l	93
45) 1,2-Dichloropropane	7.34	63	154805	21.68	ug/l	98
46) Dibromomethane	7.46	93	106033	20.65	ug/l #	77
47) Bromodichloromethane	7.73	83	246029	21.41	ug/l	98
48) Methyl methacrylate	7.50	41	101111	20.20	ug/l	97
49) 1,4-Dioxane	7.48	88	21181	421.94	ug/l #	86
51) 4-Methyl-2-Pentanone	8.59	43	554878	101.35	ug/l	97
52) Toluene	8.80	92	317192	20.60	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	200414	20.87	ug/l	96
54) cis-1,3-Dichloropropene	8.35	75	233169	20.97	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	116078	20.77	ug/l	94
56) Ethyl methacrylate	9.31	69	130151	20.40	ug/l	96
57) 1,3-Dichloropropane	9.66	76	185603	20.30	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	344734	104.99	ug/l	95
59) 2-Hexanone	9.78	43	401925	103.30	ug/l	99
60) Dibromochloromethane	9.95	129	160533	20.51	ug/l	96
61) 1,2-Dibromoethane	10.09	107	125375	20.14	ug/l	97
64) Tetrachloroethene	9.51	164	172542	20.88	ug/l	99
65) Chlorobenzene	10.72	112	378452	21.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	152514	23.07	ug/l	95
67) Ethyl Benzene	10.85	91	694083	23.88	ug/l	99
68) m/p-Xylenes	11.00	106	444176	46.07	ug/l	98
69) o-Xylene	11.40	106	224402	23.54	ug/l	89
70) Styrene	11.43	104	384347	23.52	ug/l	98
71) Bromoform	11.59	173	115984	21.18	ug/l	95
73) Isopropylbenzene	11.77	105	630430	22.53	ug/l	96
74) N-amyl acetate	11.64	43	213819	20.08	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	133177	20.29	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	147300	21.54	ug/l	100
77) Bromobenzene	12.04	156	198934	22.59	ug/l	95
78) n-propylbenzene	12.14	91	815309	23.00	ug/l	96
79) 2-Chlorotoluene	12.21	91	469680	22.57	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	499271	22.41	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	34015	21.88	ug/l	91
82) 4-Chlorotoluene	12.32	91	522433	22.14	ug/l	93
83) tert-Butylbenzene	12.57	119	553597	23.36	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	514119	21.81	ug/l	98
85) sec-Butylbenzene	12.75	105	633423	21.78	ug/l	96
86) p-Isopropyltoluene	12.88	119	544494	23.23	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	327349	22.59	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	320342	22.40	ug/l	96
89) n-Butylbenzene	13.19	91	570843	24.67	ug/l	96
90) Hexachloroethane	13.39	117	131444	22.48	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	290550	23.65	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	23556	21.76	ug/l	96

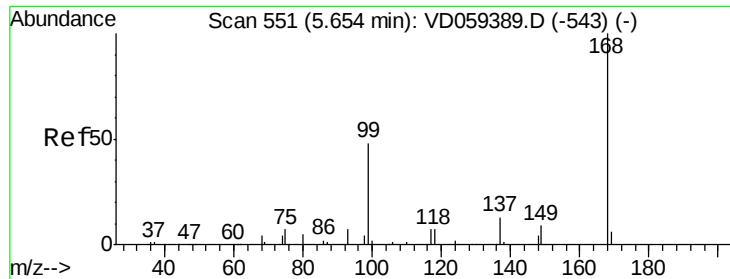
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
Data File : VD059399.D
Acq On : 25 Jun 2018 15:19
Operator : VA/AP
Sample : VD0625SBSD02
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

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	21.91	ug/l	95
94) Hexachlorobutadiene	14.43	225	192263	22.50	ug/l	98
95) Naphthalene	14.51	128	330886	20.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	225701	22.10	ug/l	100

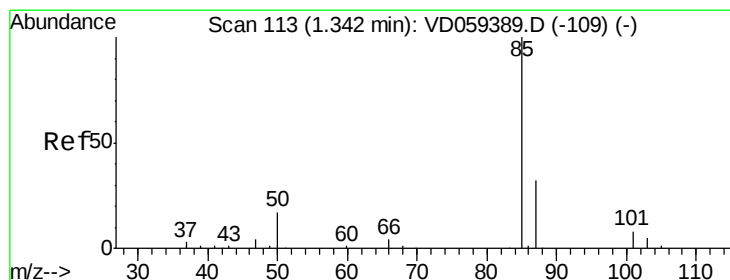
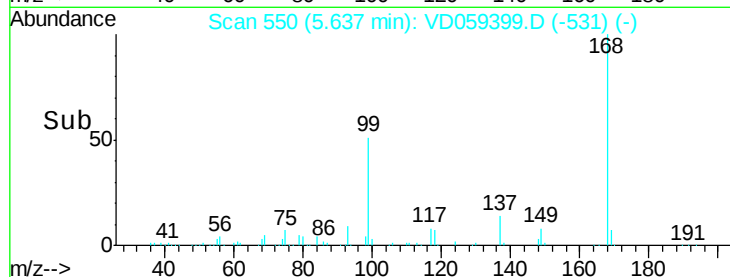
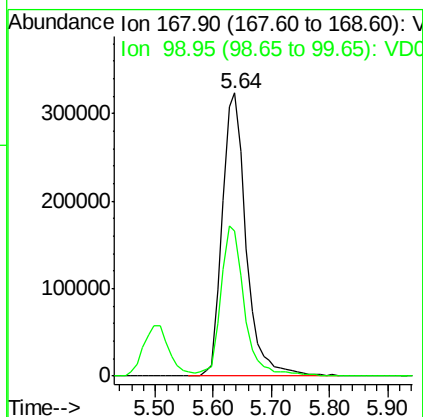
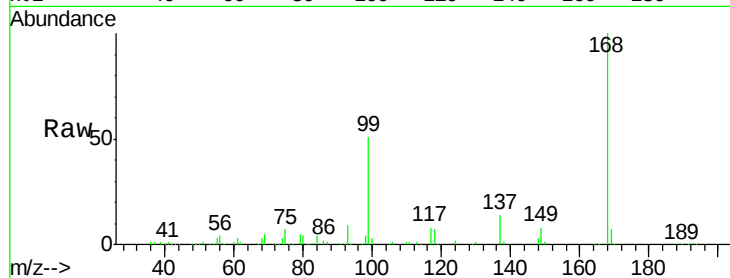
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

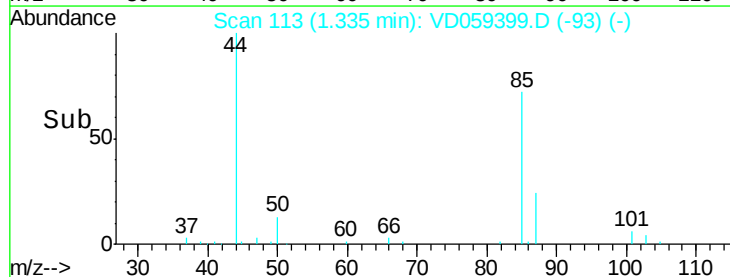
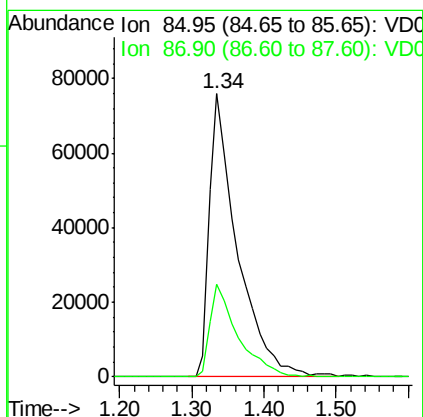
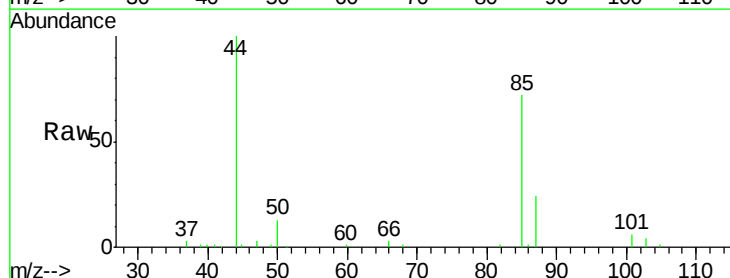
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

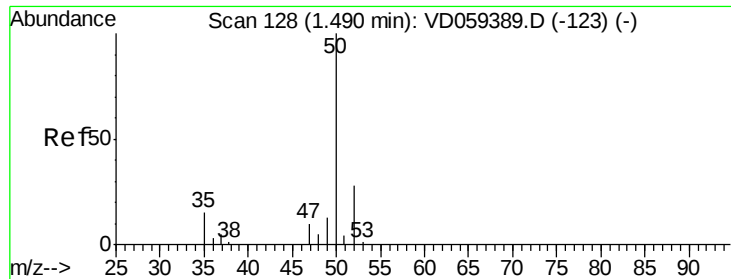
Tot Ion:168 Resp: 920937
Ion Ratio Lower Upper
168 100
99 51.1 41.0 61.6



#2
Dichlorodifluoromethane
Concen: 24.80 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





#3

Chloromethane

Concen: 23.90 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 :

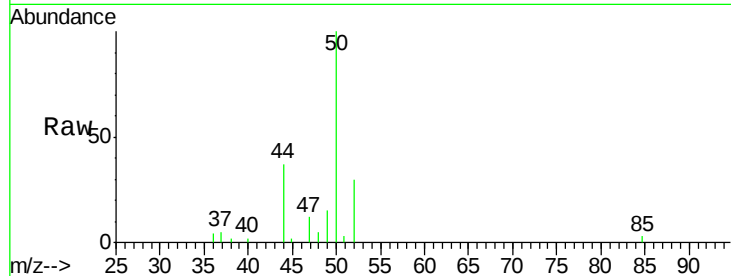
VD0625SBS02

Tot Ion: 50 Resp: 101917

Ion Ratio Lower Upper

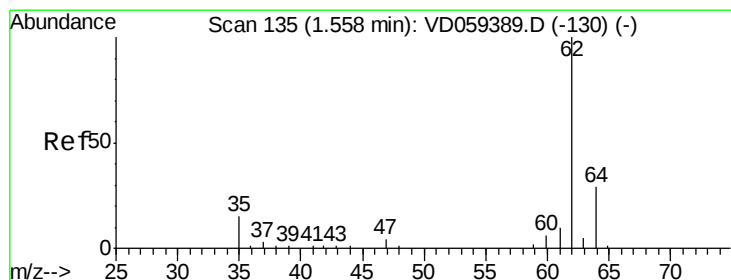
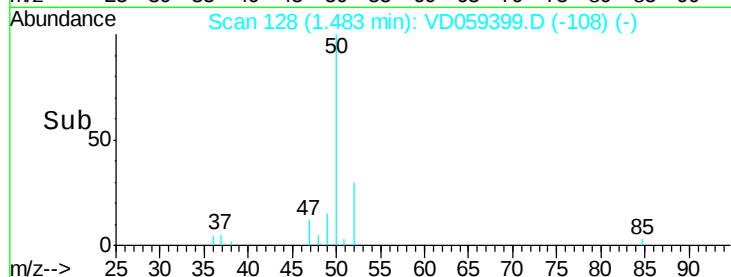
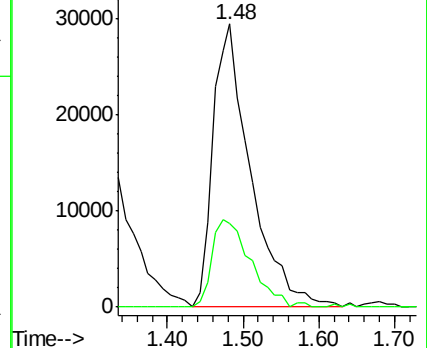
50 100

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: 23.26 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD059399.D

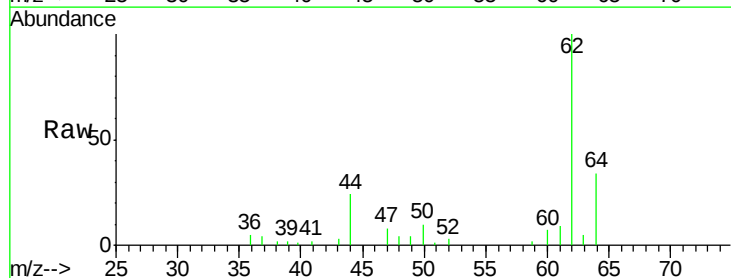
Acq: 25 Jun 2018 15:19

Tgt Ion: 62 Resp: 102902

Ion Ratio Lower Upper

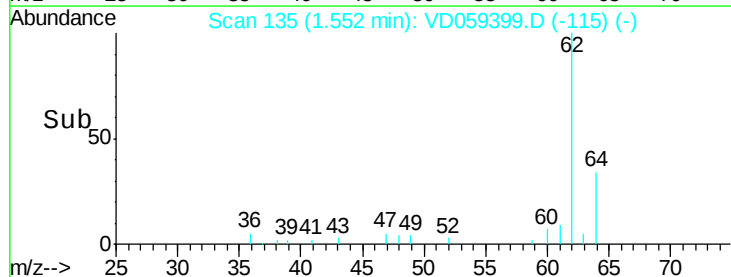
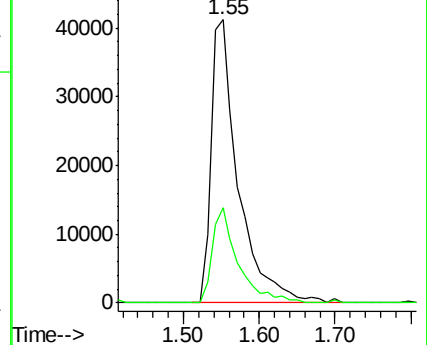
62 100

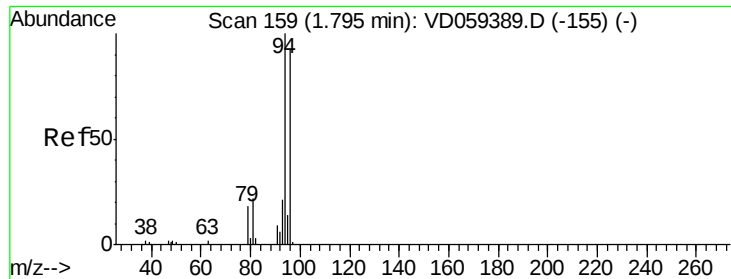
64 33.6 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.80 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 :

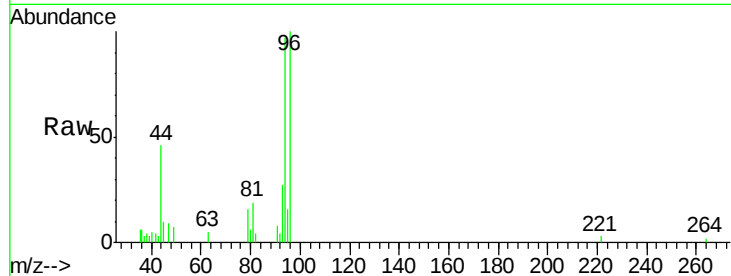
VD0625SBSD02

Tot Ion: 94 Resp: 34361

Ion Ratio Lower Upper

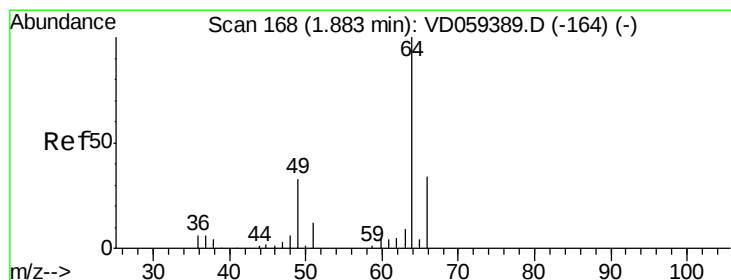
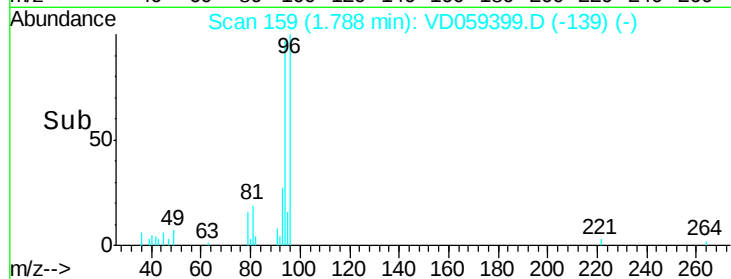
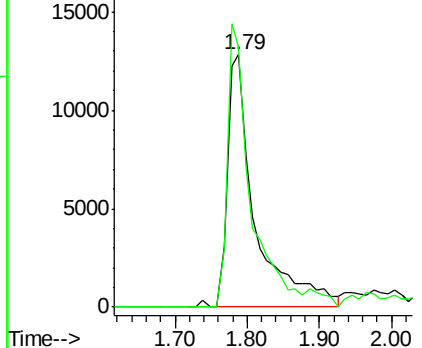
94 100

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: 17.13 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.02 min

Lab File: VD059399.D

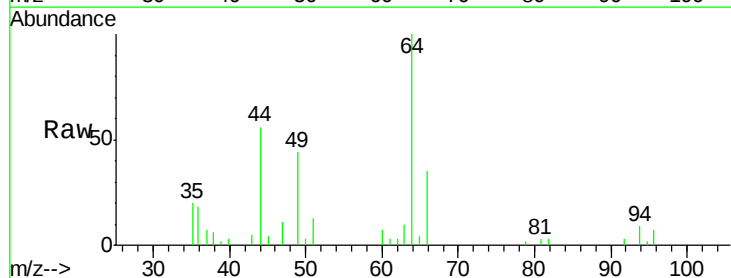
Acq: 25 Jun 2018 15:19

Tgt Ion: 64 Resp: 34711

Ion Ratio Lower Upper

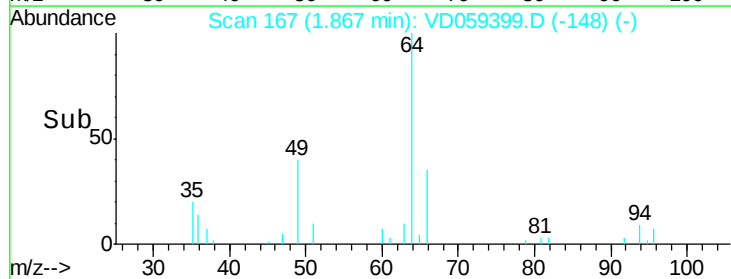
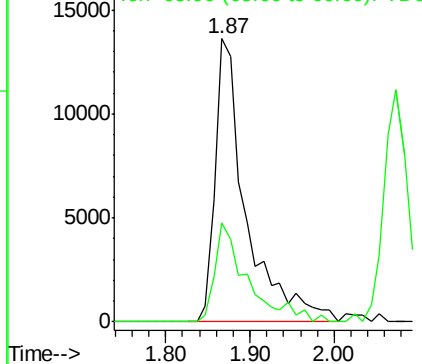
64 100

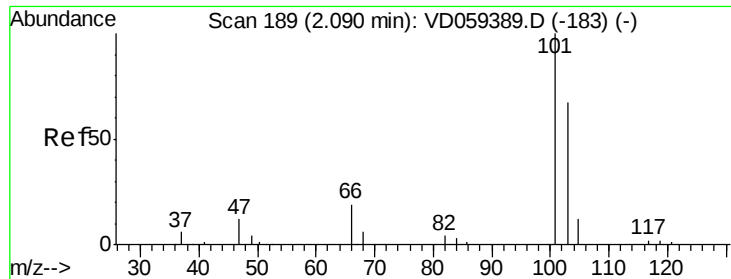
66 35.1 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



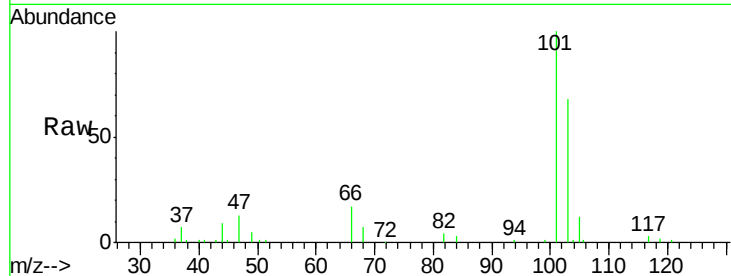


#7

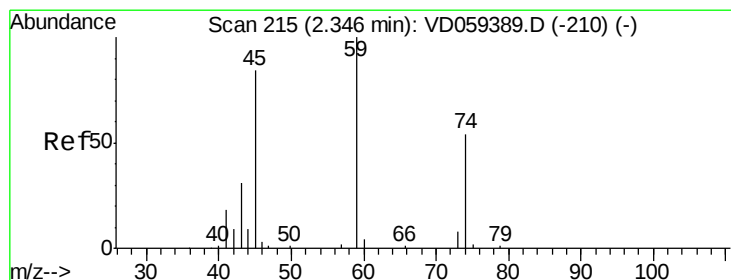
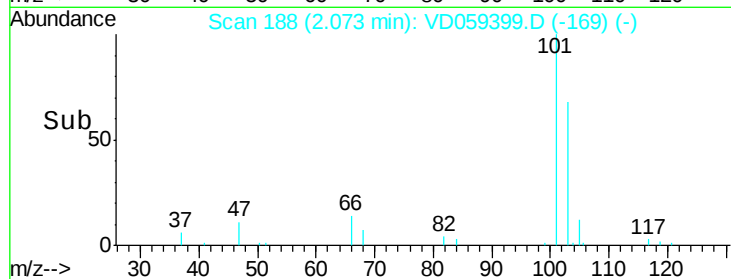
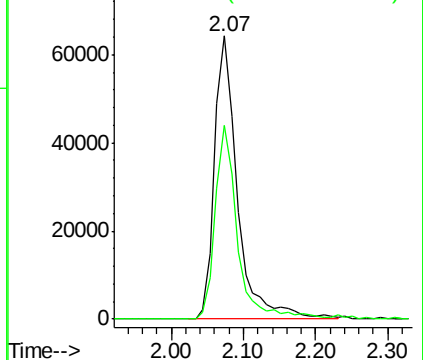
Trichlorofluoromethane
Concen: 22.11 ug/l
RT: 2.07 min Scan# 188
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

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



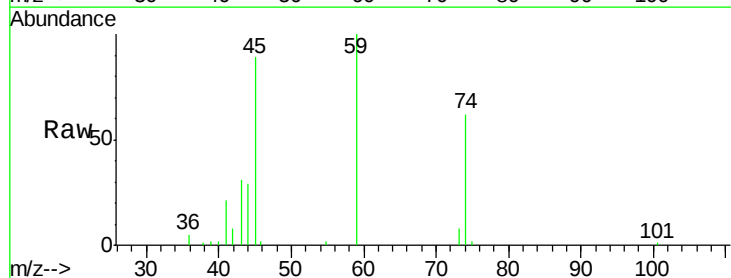
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



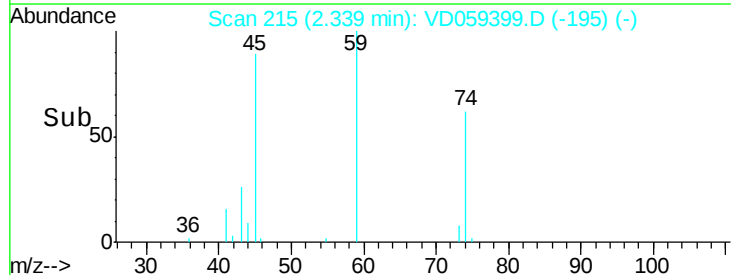
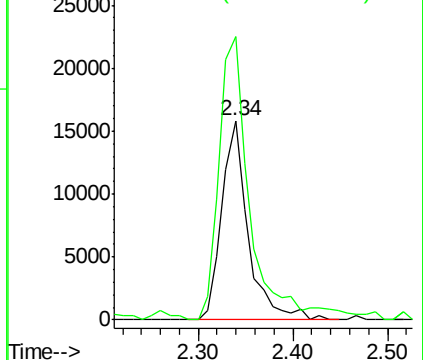
#8

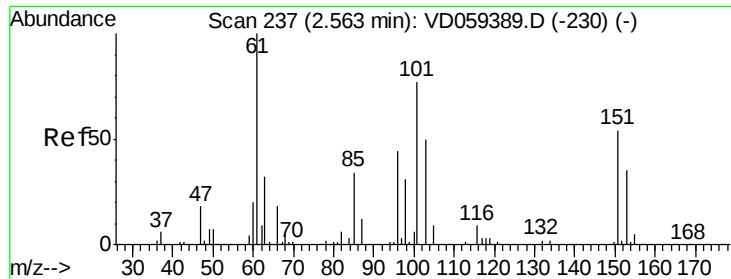
Diethyl Ether
Concen: 21.12 ug/l
RT: 2.34 min Scan# 215
Delta R.T. -0.01 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

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



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.57 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

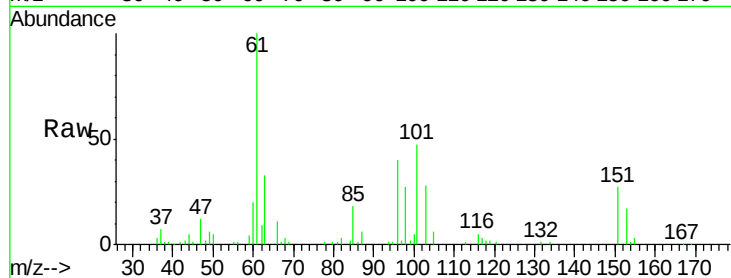
Tot Ion:101 Resp: 93407

Ion Ratio Lower Upper

101 100

85 38.8 35.7 53.5

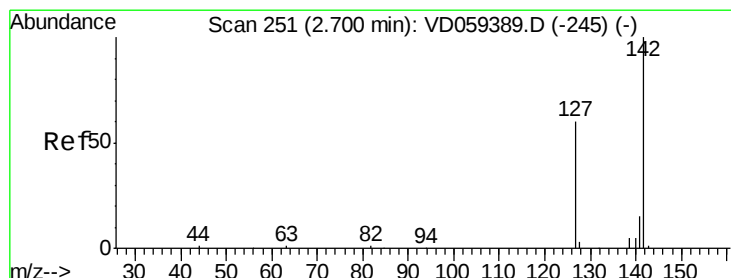
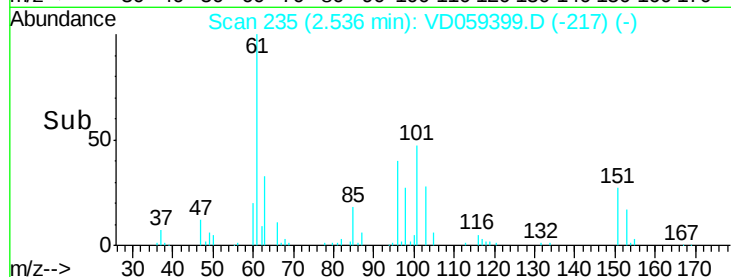
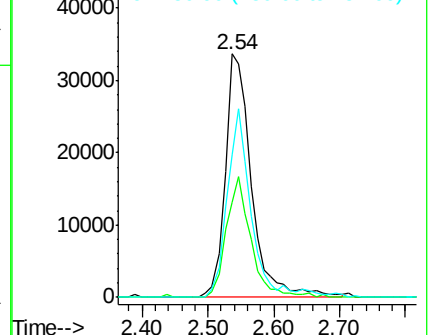
151 58.3 55.8 83.8



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: 21.96 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

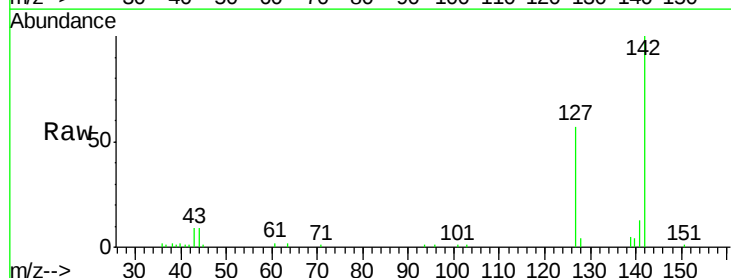
Tgt Ion:142 Resp: 101650

Ion Ratio Lower Upper

142 100

127 56.6 48.4 72.6

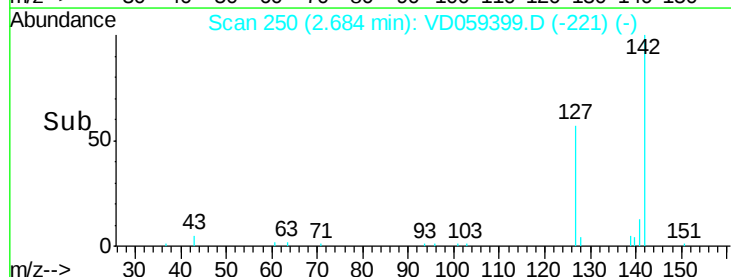
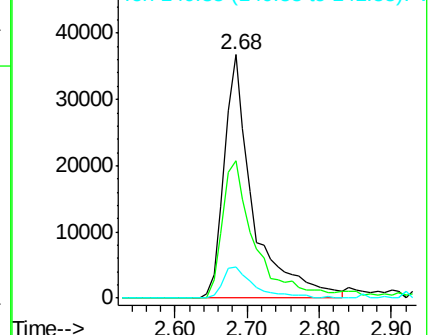
141 12.6 12.1 18.1

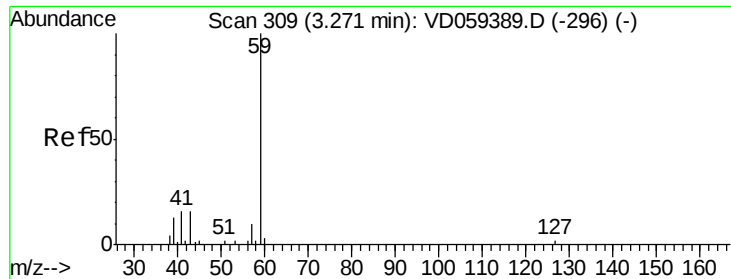


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



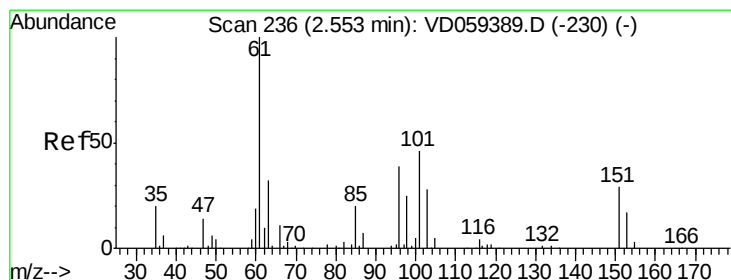
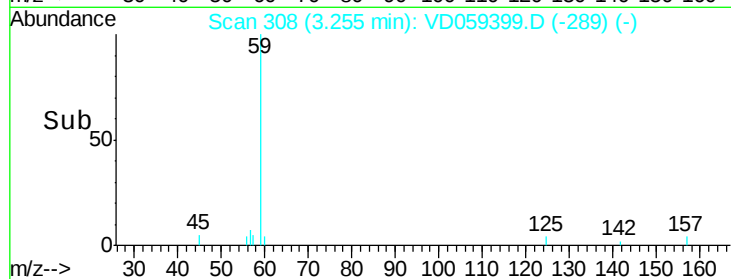
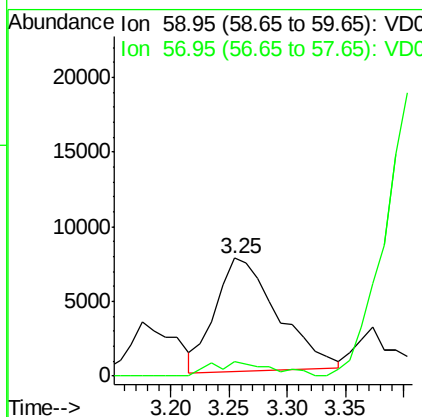
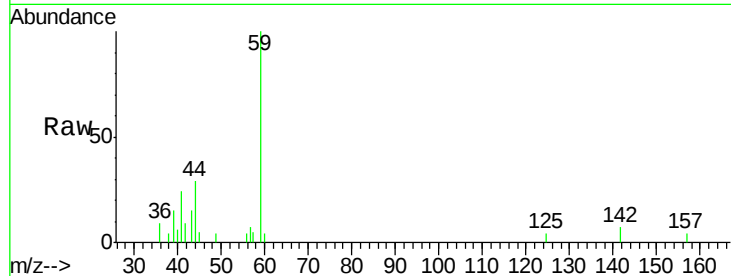


#11

Tert butyl alcohol
 Concen: 86.69 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 :
 VD0625SBS02

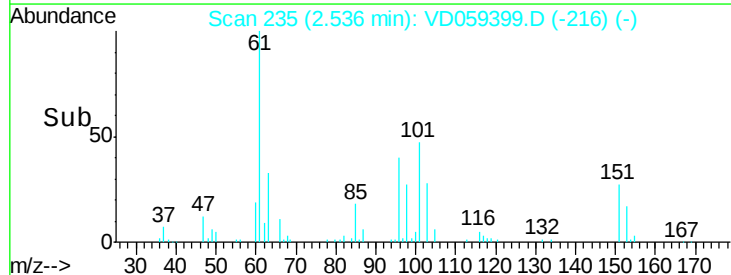
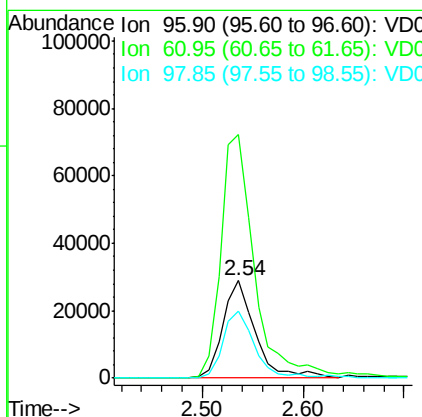
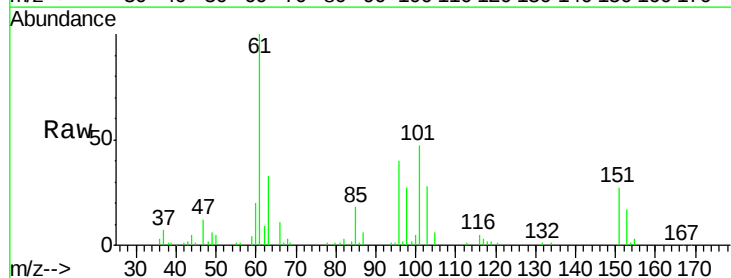
Tot Ion: 59 Resp: 28244
 Ion Ratio Lower Upper
 59 100
 57 12.3 8.3 12.5

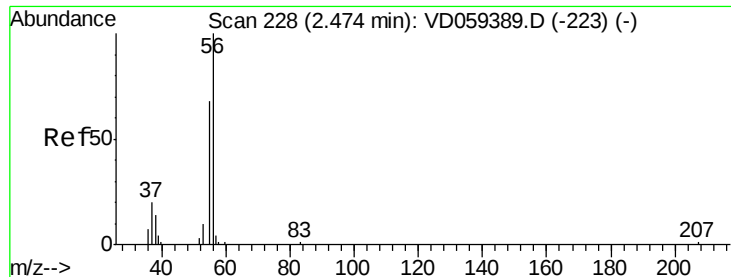


#12

1,1-Dichloroethene
 Concen: 21.29 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: 124.93 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 :

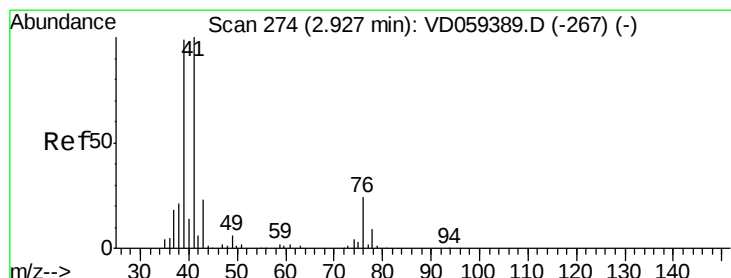
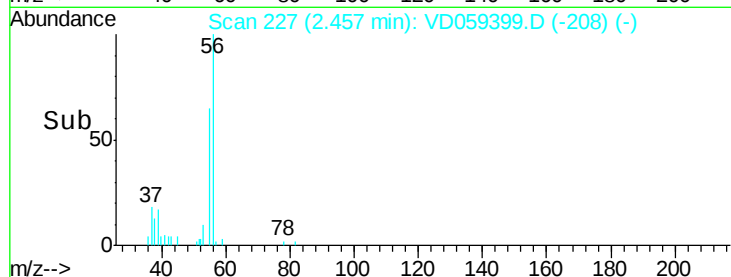
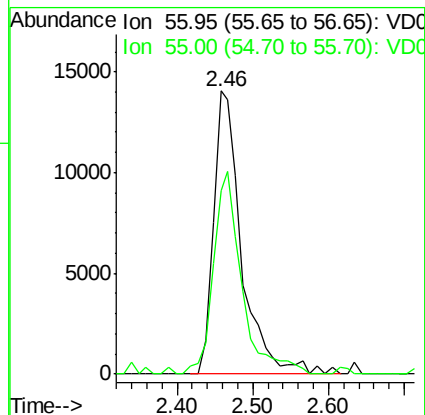
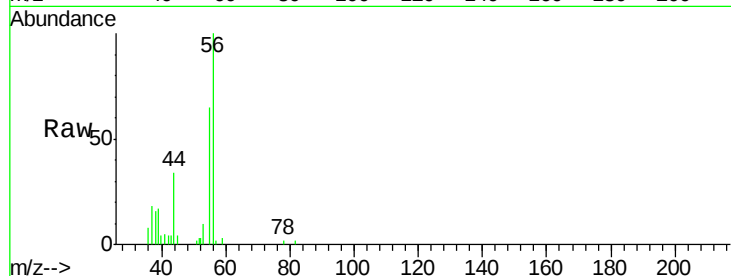
VD0625SBS02

Tot Ion: 56 Resp: 36388

Ion Ratio Lower Upper

56 100

55 65.0 54.6 82.0



#14

Allyl chloride

Concen: 22.59 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

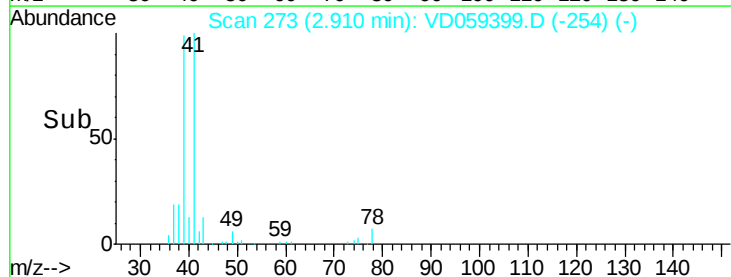
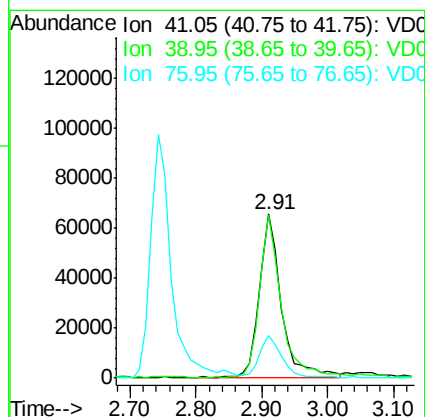
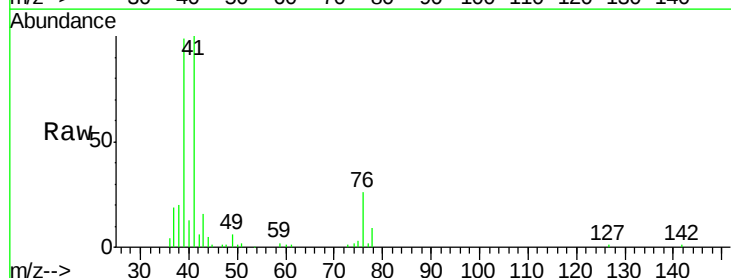
Tgt Ion: 41 Resp: 156872

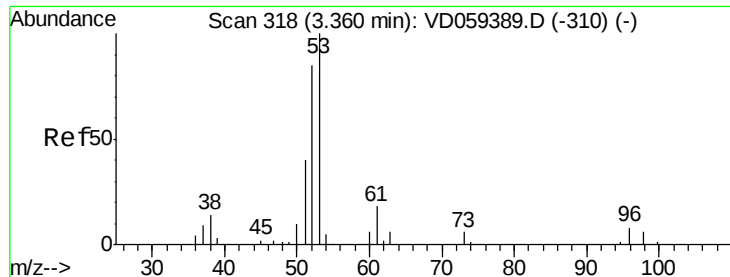
Ion Ratio Lower Upper

41 100

39 99.1 79.1 118.7

76 26.0 21.9 32.9





#15

Acrylonitrile

Concen: 92.19 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

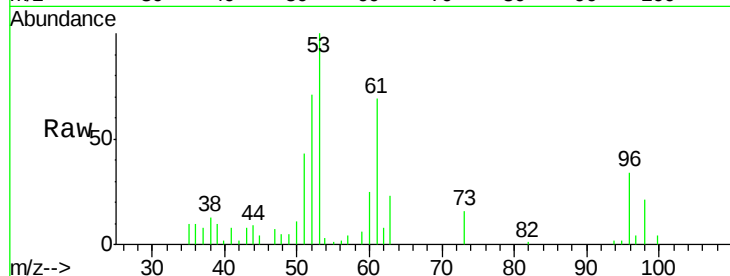
Tot Ion: 53 Resp: 92184

Ion Ratio Lower Upper

53 100

52 71.1 67.9 101.9

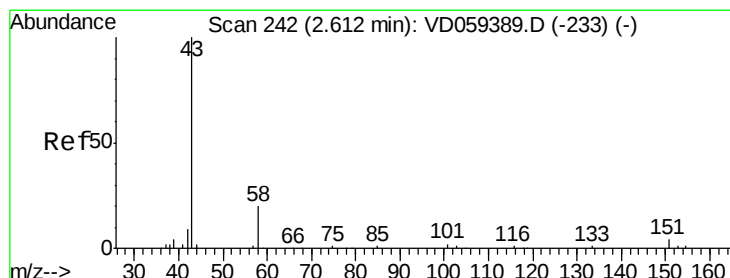
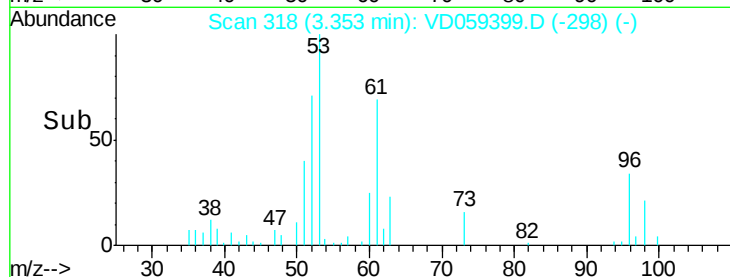
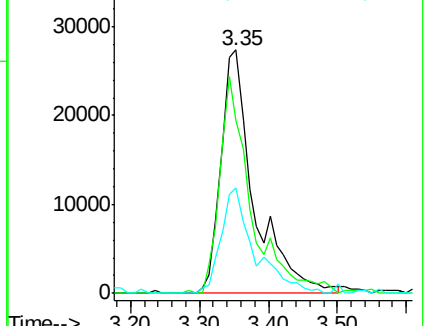
51 43.1 32.2 48.4



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: 107.30 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059399.D

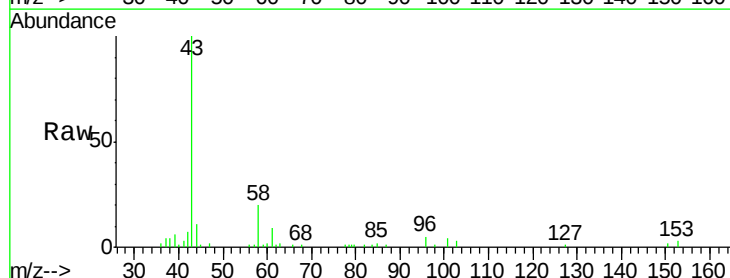
Acq: 25 Jun 2018 15:19

Tgt Ion: 43 Resp: 127542

Ion Ratio Lower Upper

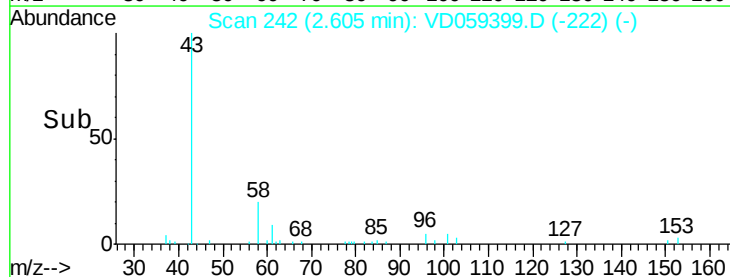
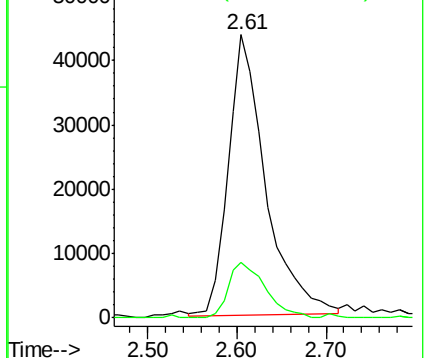
43 100

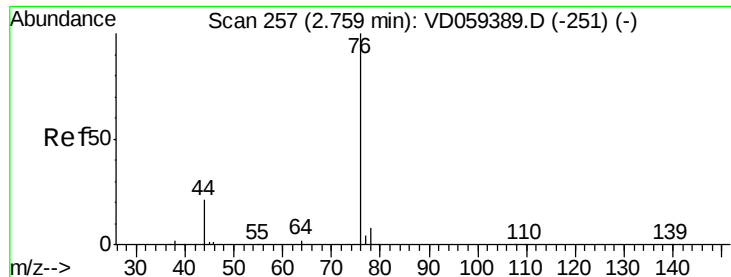
58 19.7 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

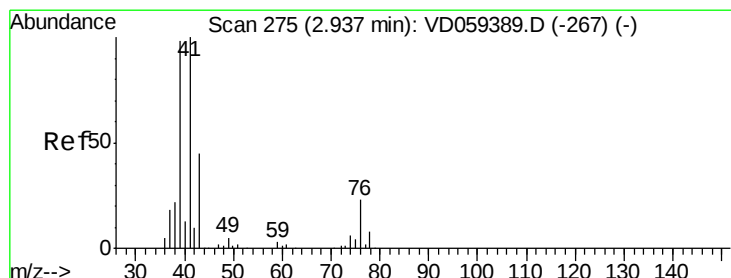
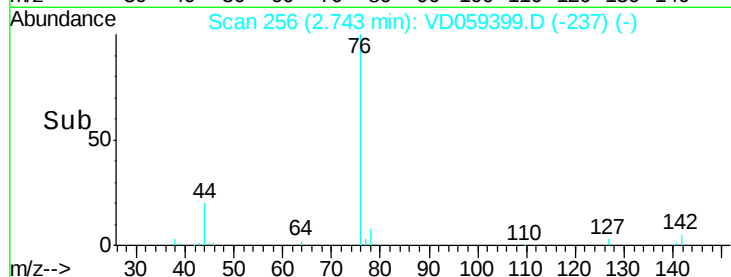
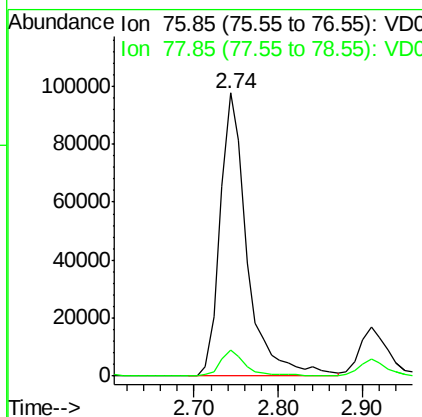
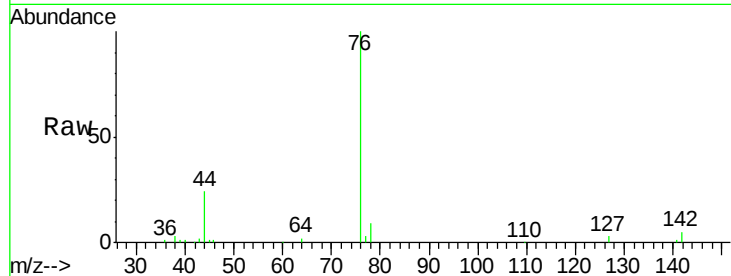




#17
Carbon Disulfide
Concen: 23.41 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

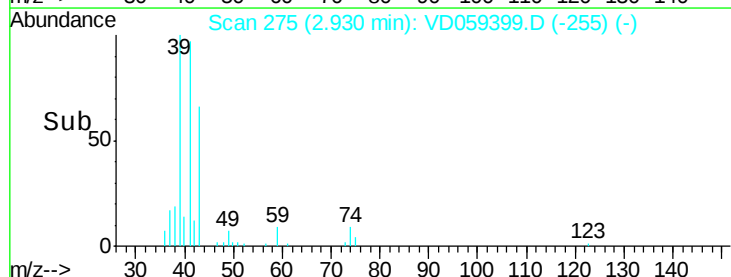
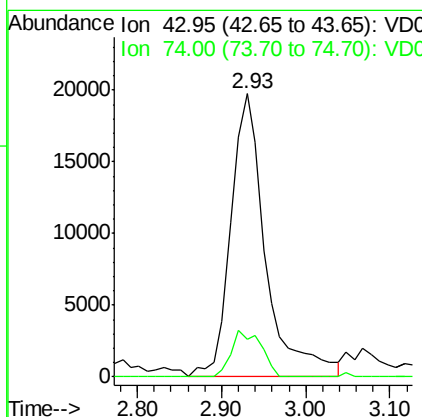
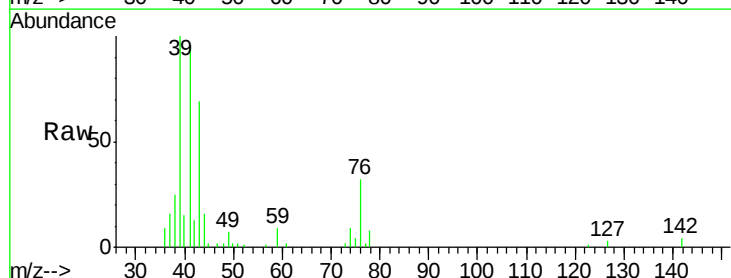
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

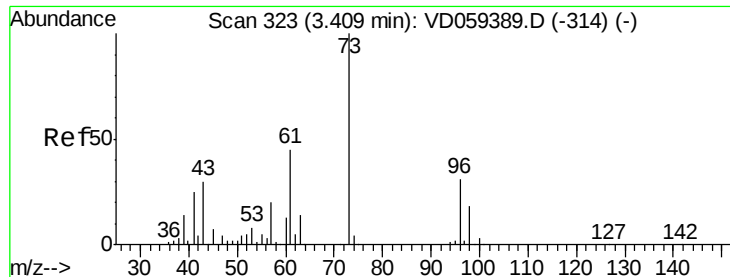
Tot Ion: 76 Resp: 217610
Ion Ratio Lower Upper
76 100
78 9.4 6.6 9.8



#18
Methyl Acetate
Concen: 21.12 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

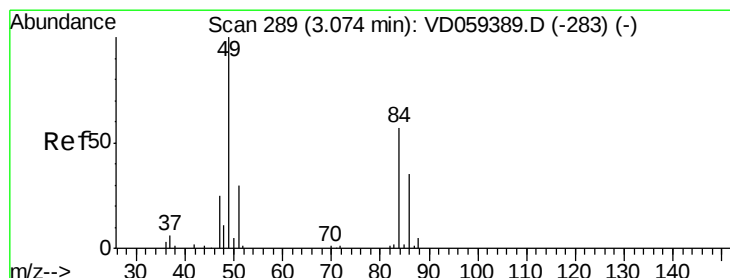
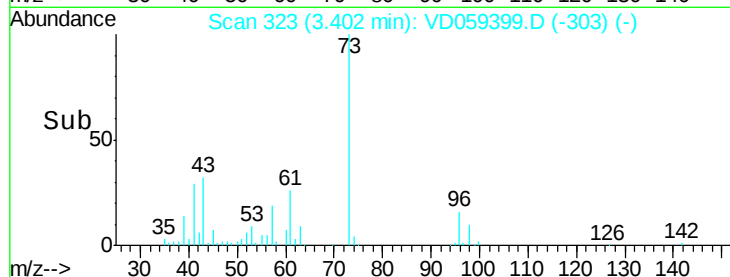
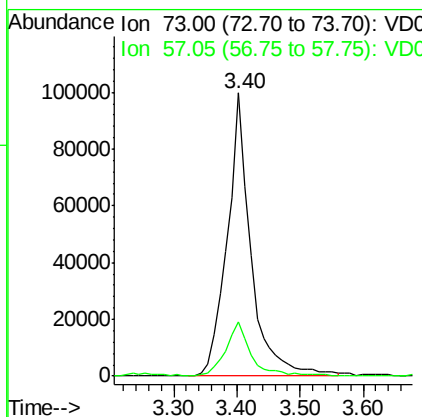
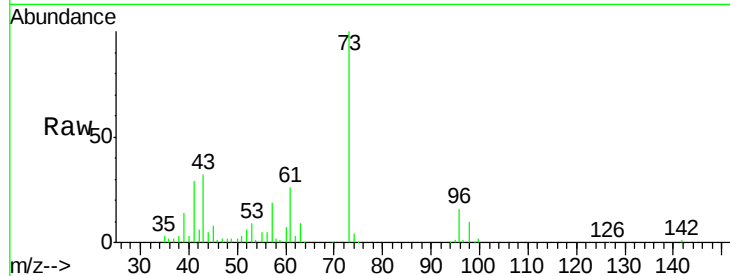




#19
Methvl tert-butvl Ether
Concen: 17.41 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

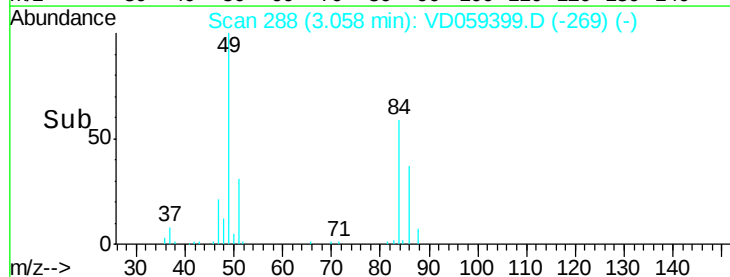
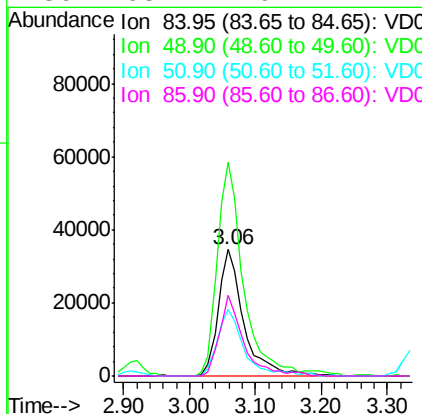
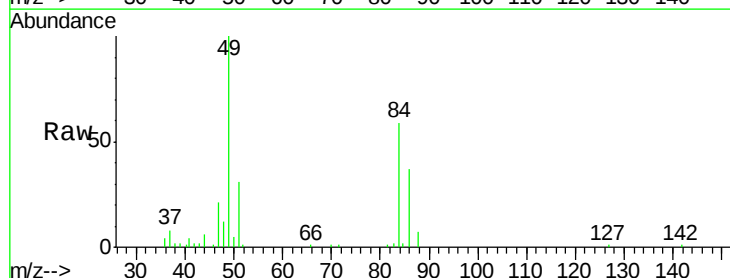
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

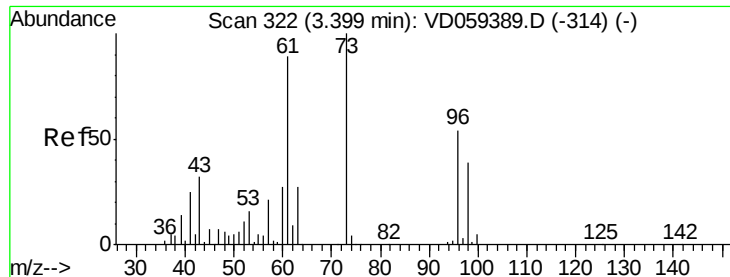
Tot Ion: 73 Resp: 260020
Ion Ratio Lower Upper
73 100
57 19.0 16.1 24.1



#20
Methylene Chloride
Concen: 27.12 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: 16.77 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 :

VD0625SBSD02

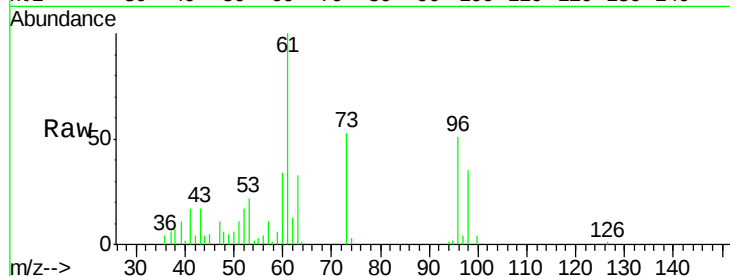
Tot Ion: 96 Resp: 89995

Ion Ratio Lower Upper

96 100

61 197.0 131.0 196.4#

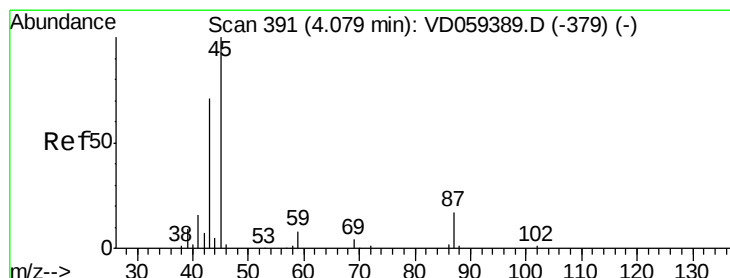
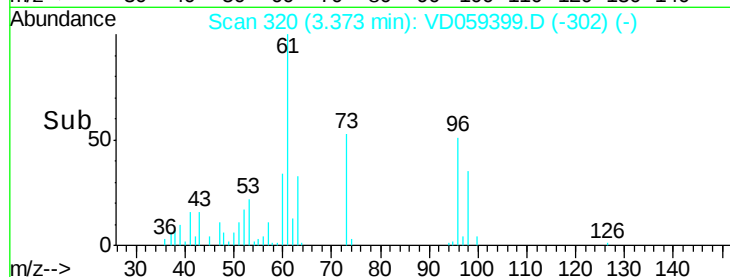
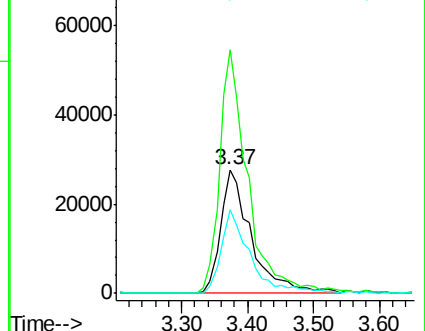
98 68.0 56.8 85.2



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: 21.11 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

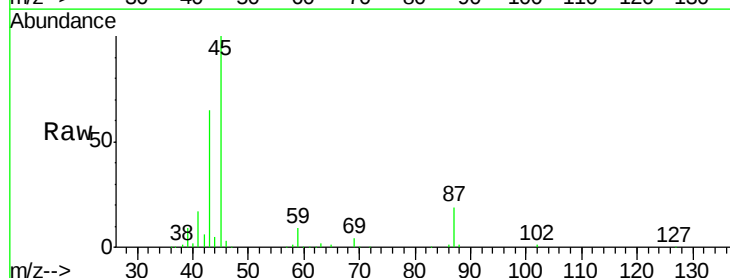
Ion Ratio Lower Upper

45 100

43 64.9 56.9 85.3

87 18.6 14.2 21.4

59 9.5 7.0 10.4

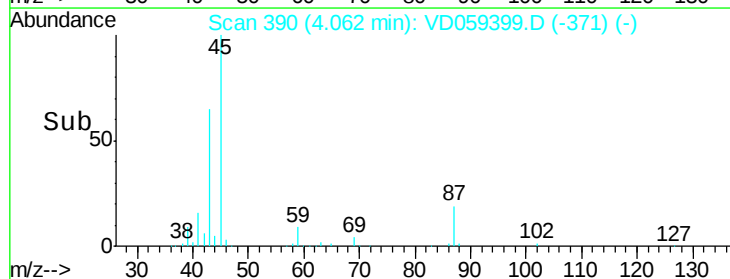
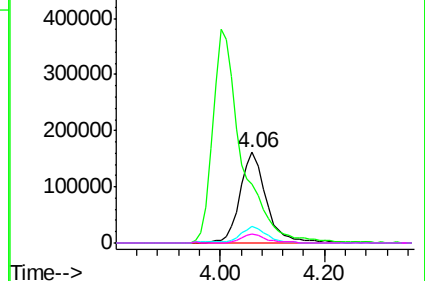


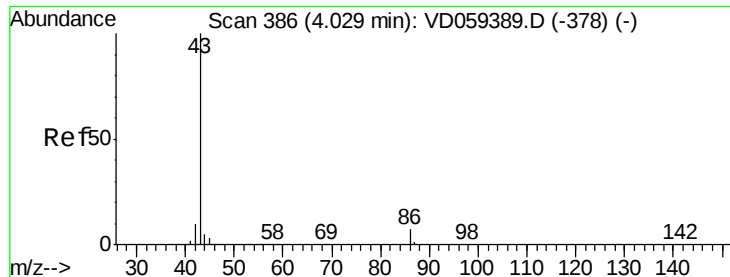
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

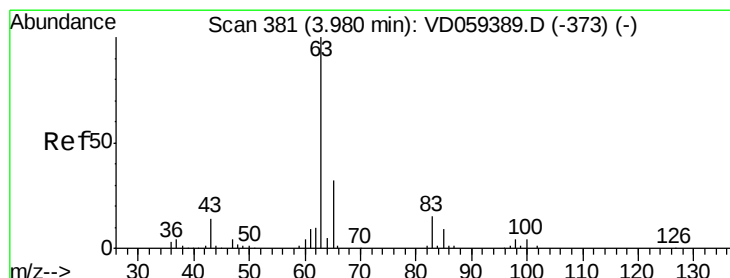
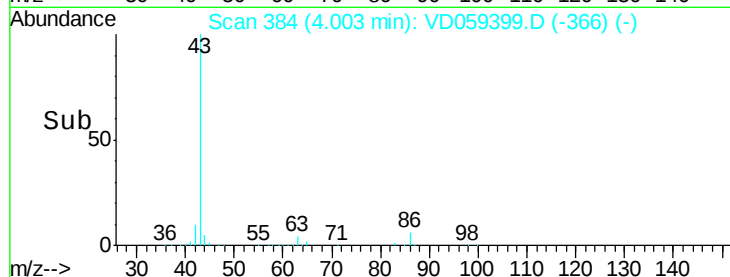
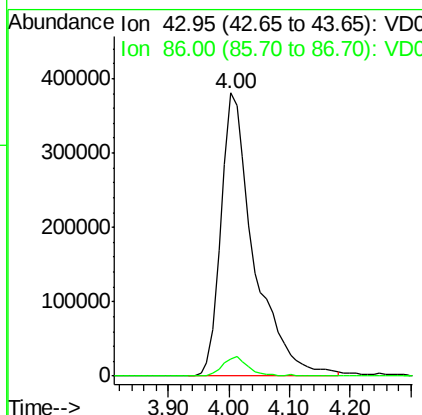
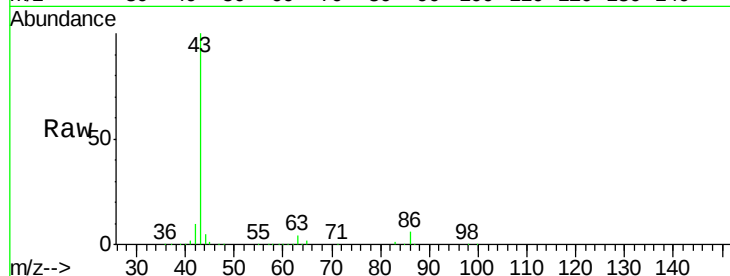




#23
 Vinyl Acetate
 Concen: 106.15 ug/l
 RT: 4.00 min Scan# 384
 Delta R.T. -0.03 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

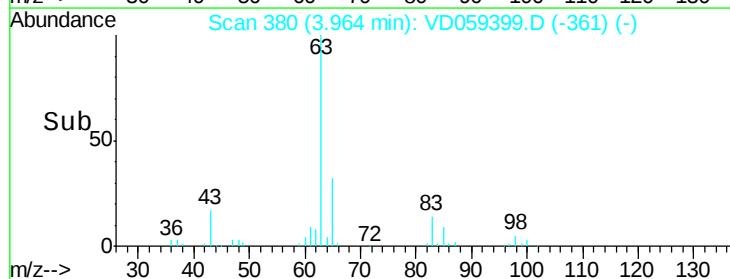
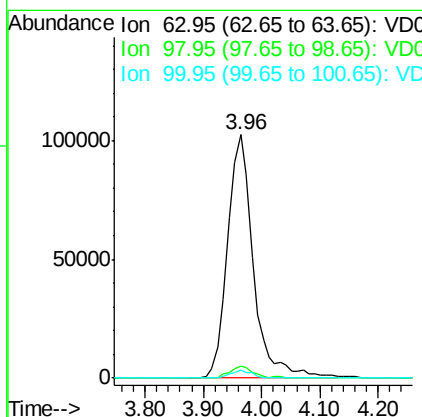
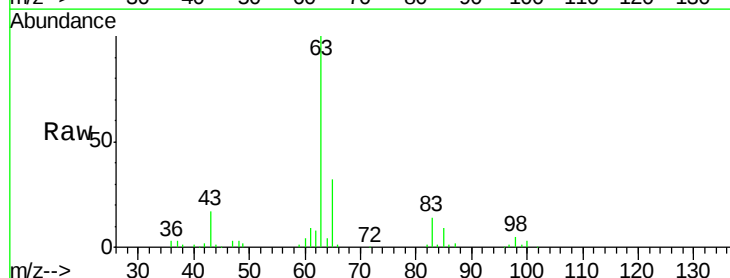
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

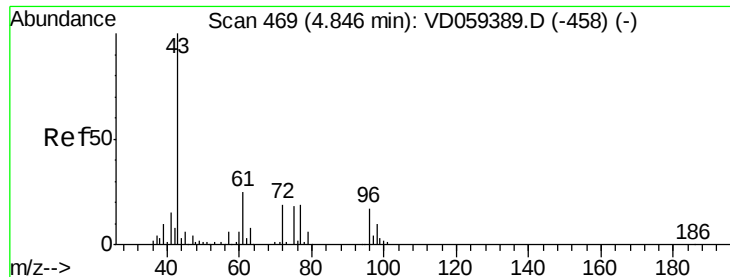
Tot Ion: 43 Resp: 1445290
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.2 7.8



#24
 1,1-Dichloroethane
 Concen: 21.13 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





#25

2-Butanone

Concen: 100.14 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 :

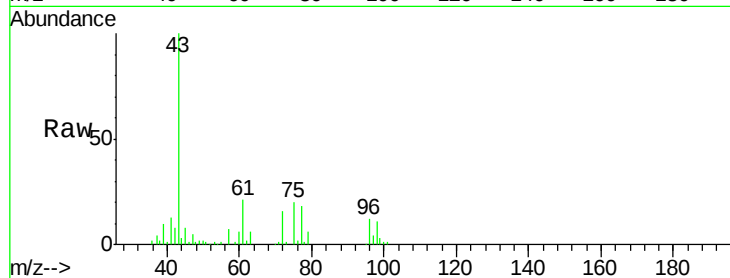
VD0625SBSD02

Tot Ion: 43 Resp: 249354

Ion Ratio Lower Upper

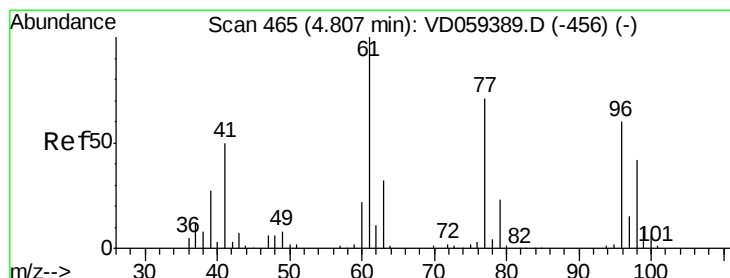
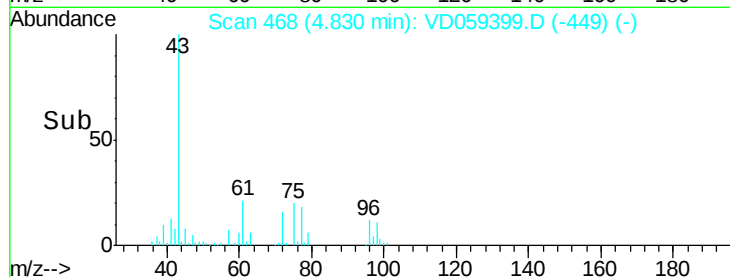
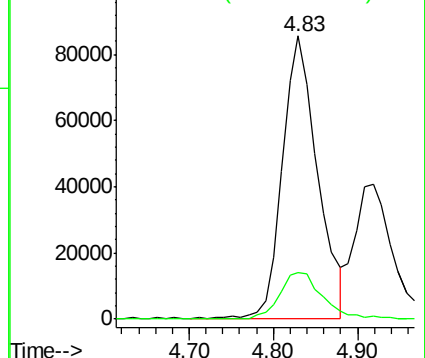
43 100

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: 23.70 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059399.D

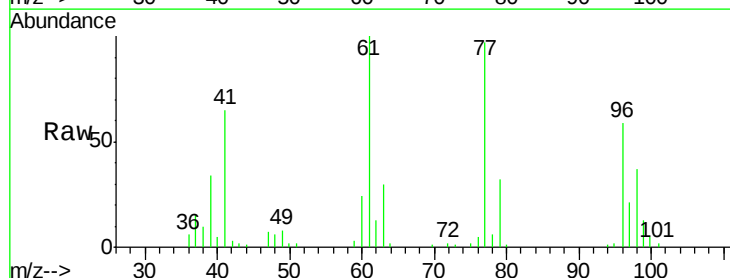
Acq: 25 Jun 2018 15:19

Tgt Ion: 77 Resp: 274819

Ion Ratio Lower Upper

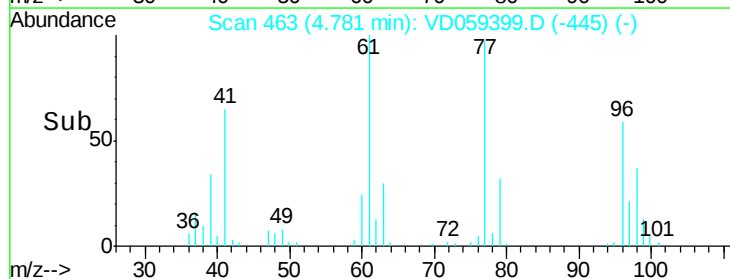
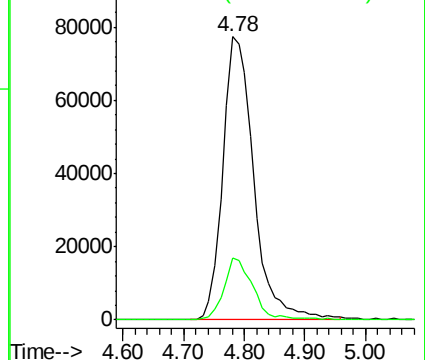
77 100

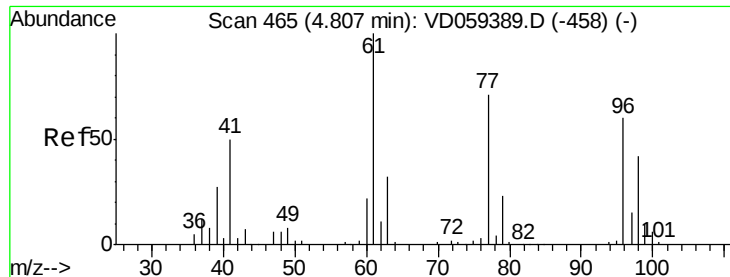
97 21.8 10.7 32.1



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: 20.24 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

ClientSampleId :

VD0625SBSD02

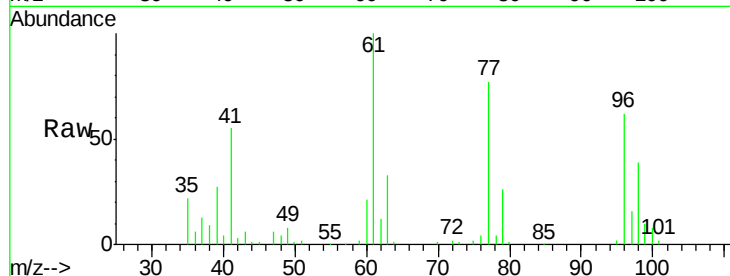
Tot Ion: 96 Resp: 182462

Ion Ratio Lower Upper

96 100

61 160.1 0.0 335.8

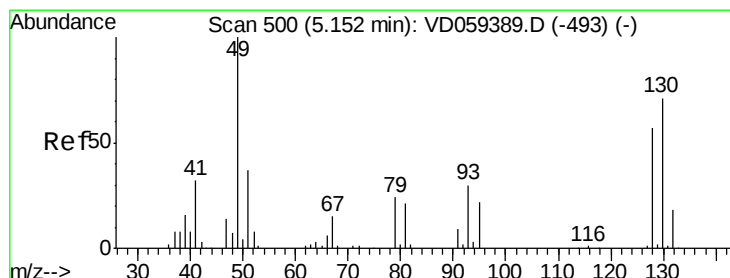
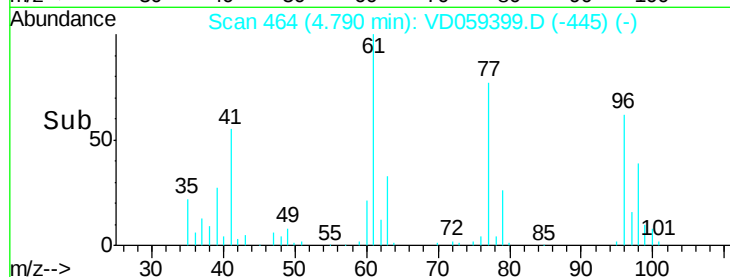
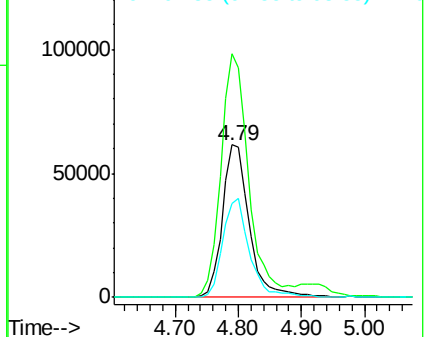
98 61.8 0.0 141.0



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: 19.52 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

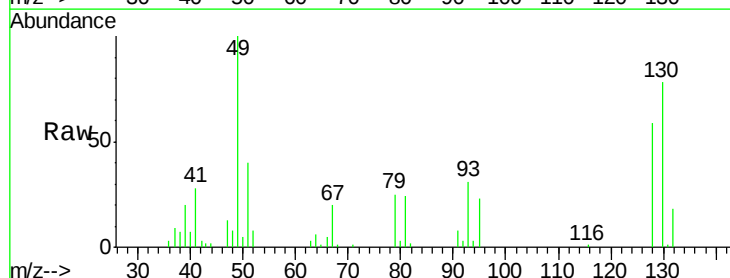
Tgt Ion: 49 Resp: 126555

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

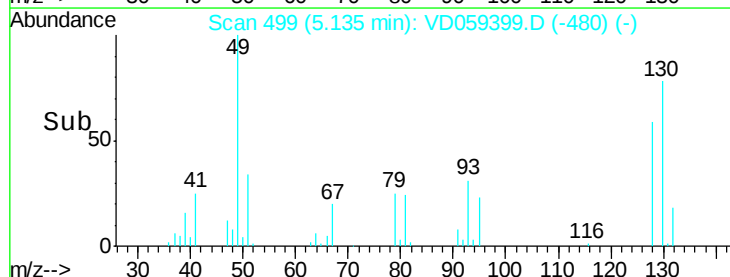
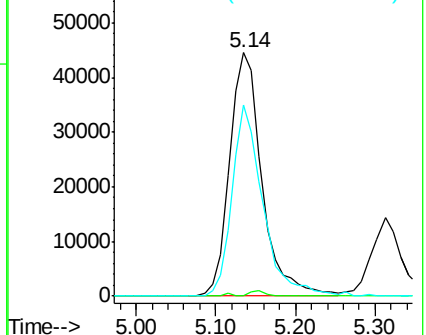
130 78.5 57.0 85.6

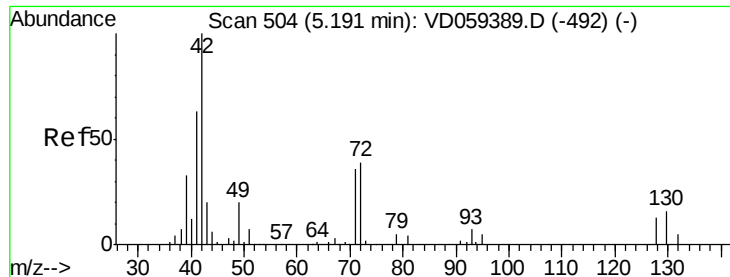


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

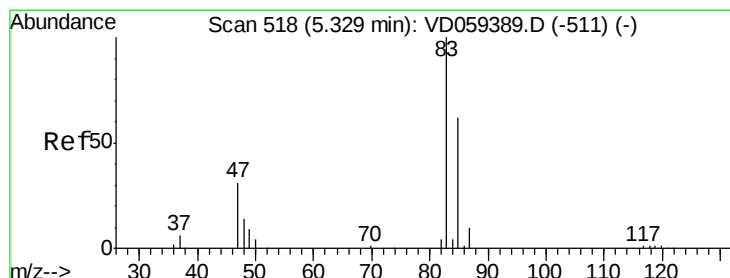
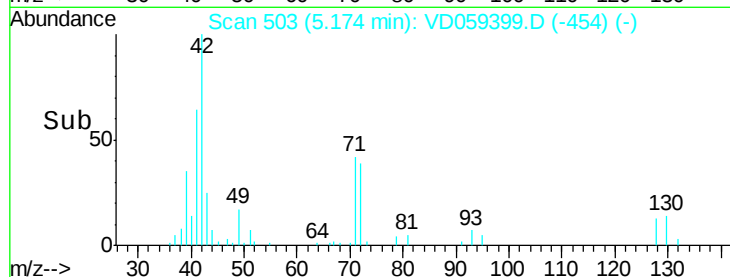
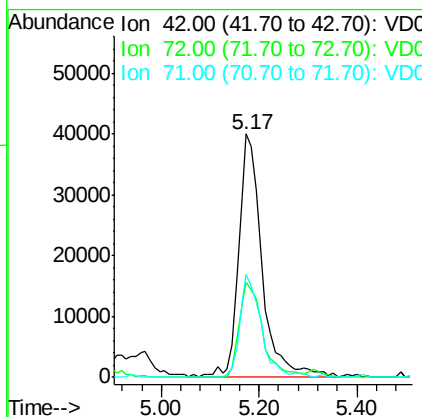
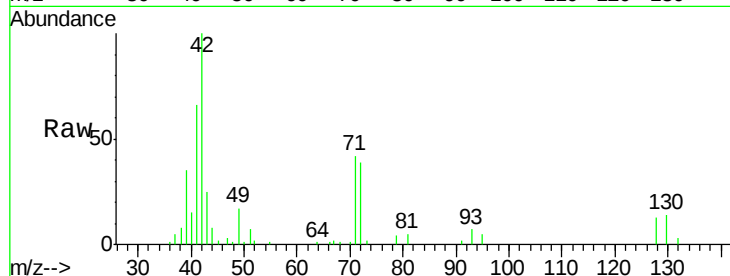




#29
Tetrahydrofuran
Concen: 97.95 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

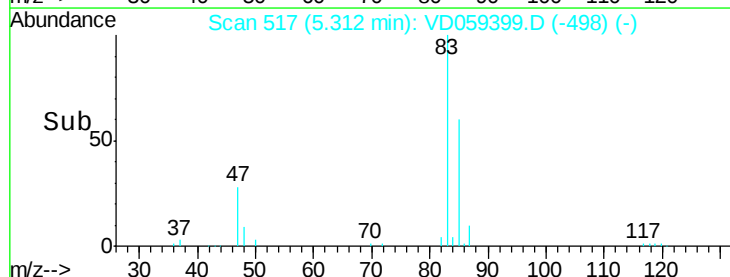
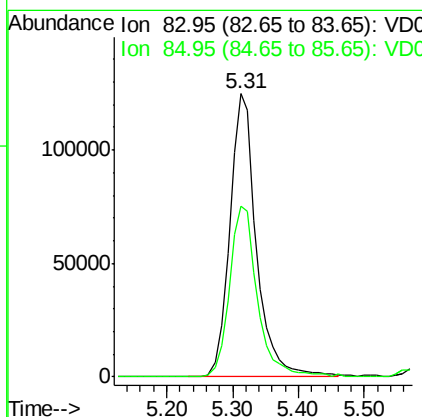
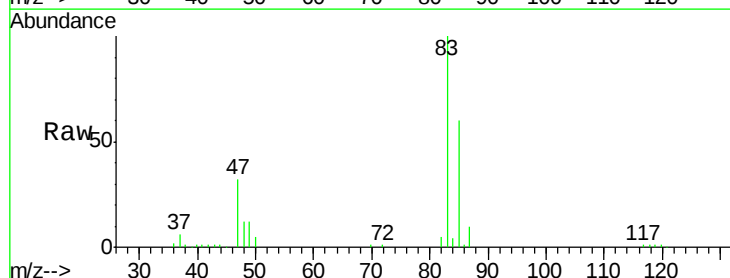
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

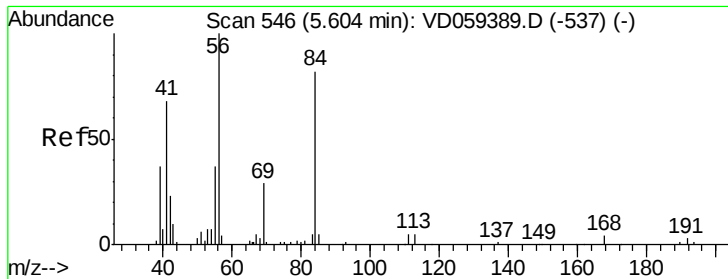
Tot Ion: 42 Resp: 133402
Ion Ratio Lower Upper
42 100
72 38.9 31.4 47.2
71 38.8 29.7 44.5



#30
Chloroform
Concen: 21.61 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

Cvclohexane

Concen: 22.30 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

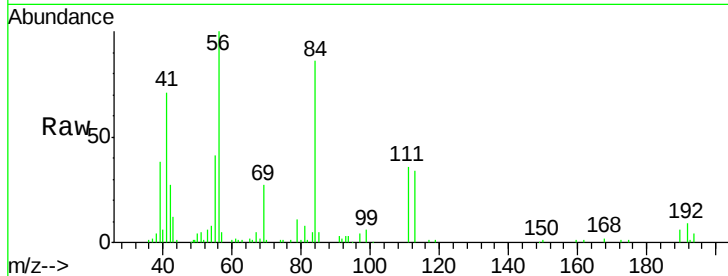
Tot Ion: 56 Resp: 241376

Ion Ratio Lower Upper

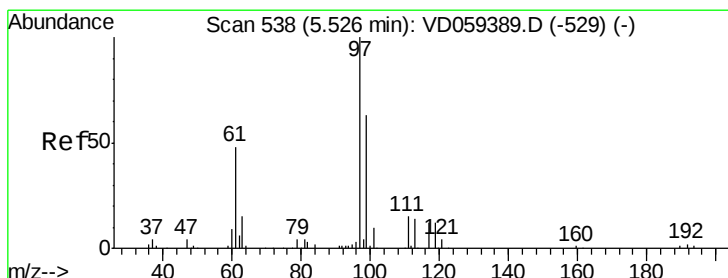
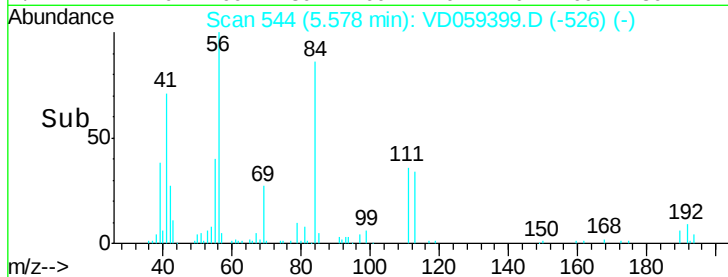
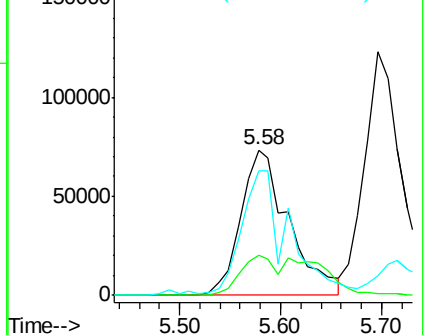
56 100

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: 22.05 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.03 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

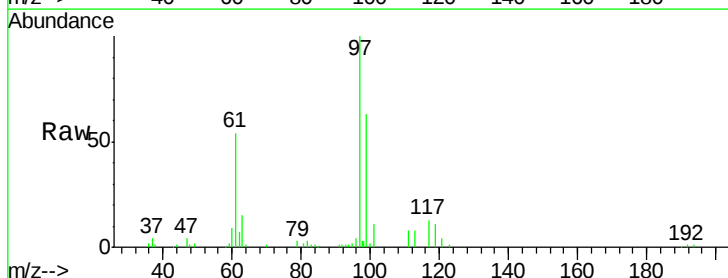
Tgt Ion: 97 Resp: 290966

Ion Ratio Lower Upper

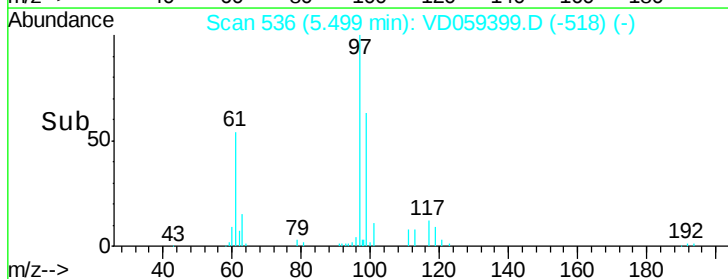
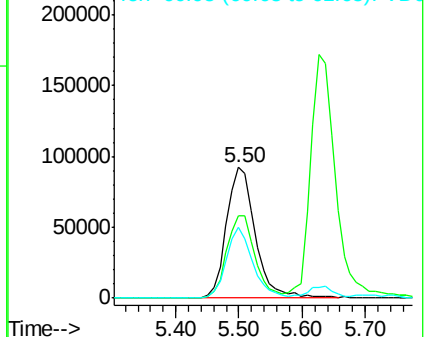
97 100

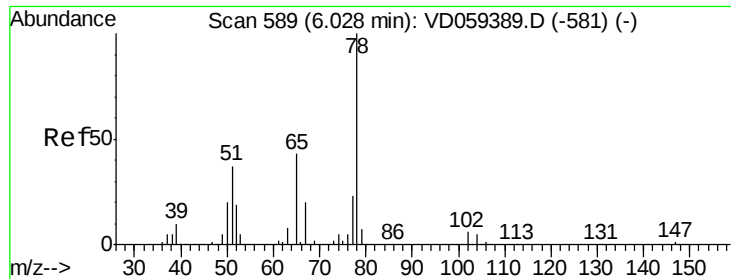
99 62.8 50.2 75.4

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: 22.05 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 :

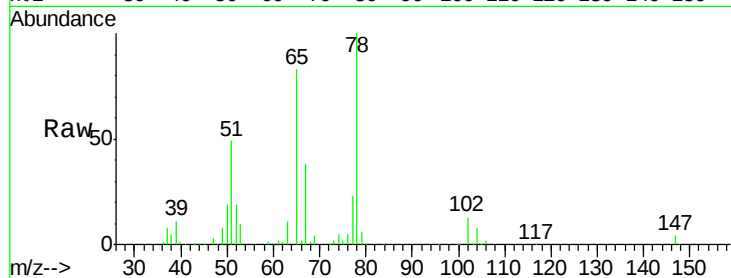
VD0625SBSD02

Tot Ion: 65 Resp: 416569

Ion Ratio Lower Upper

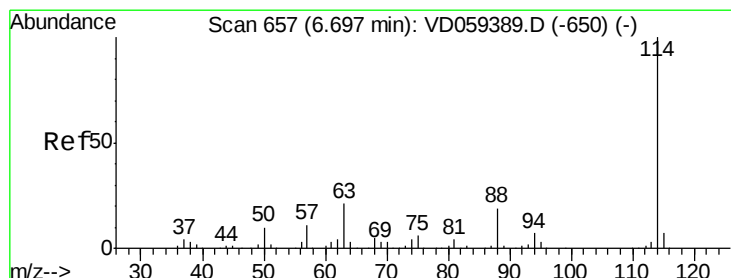
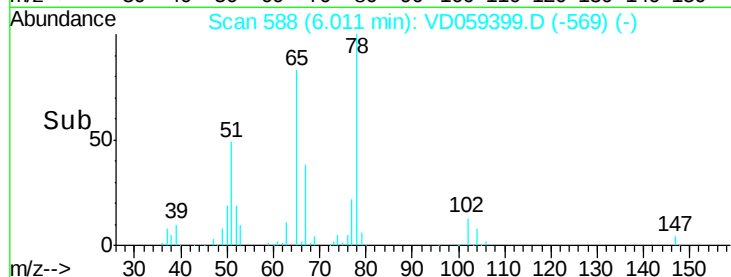
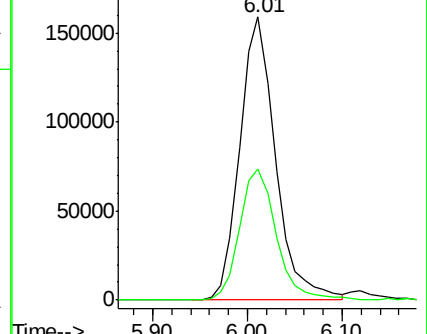
65 100

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: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

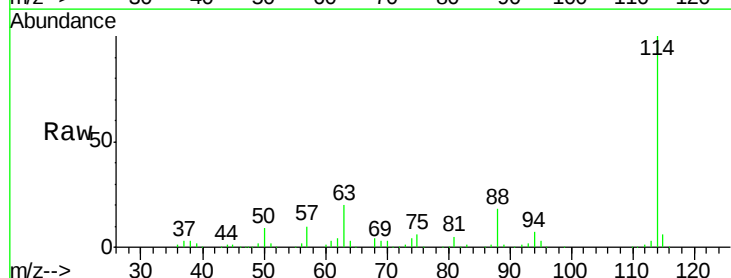
Tgt Ion: 114 Resp: 1184219

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

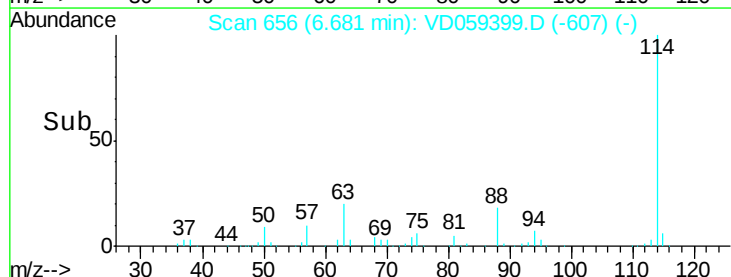
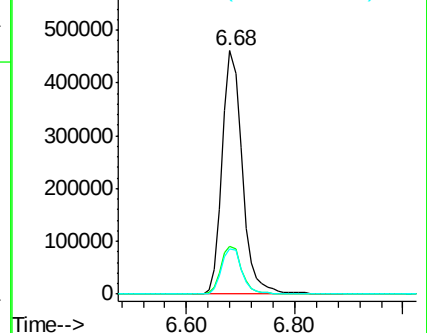
88 18.3 0.0 38.0

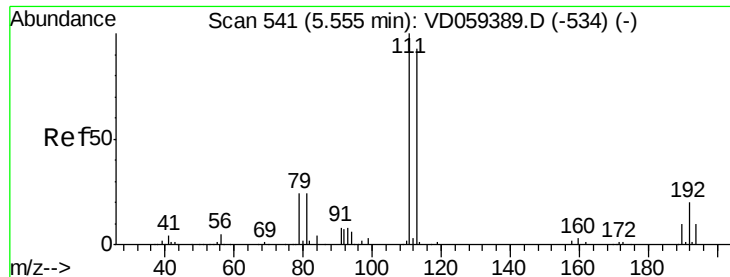


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

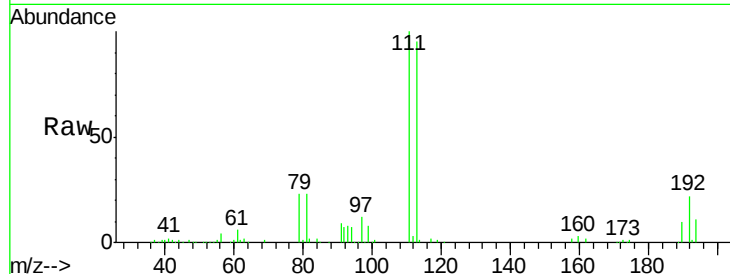




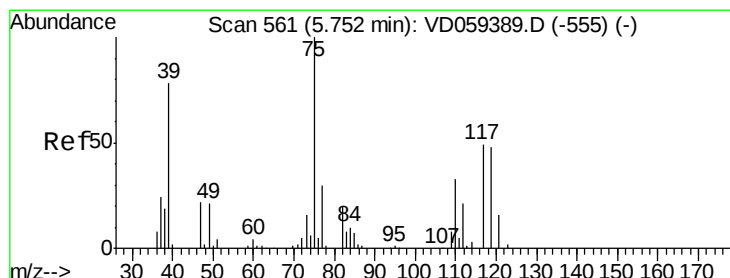
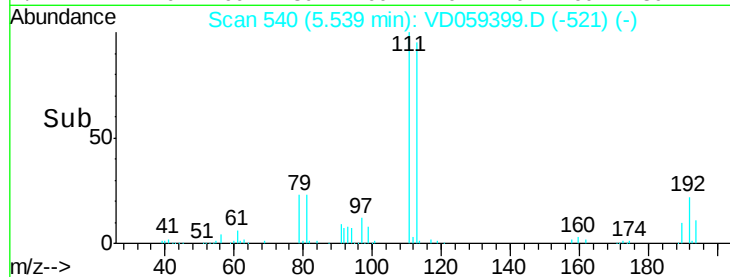
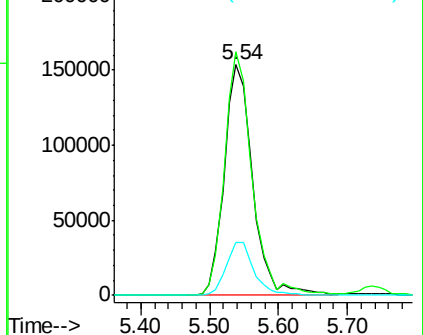
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

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

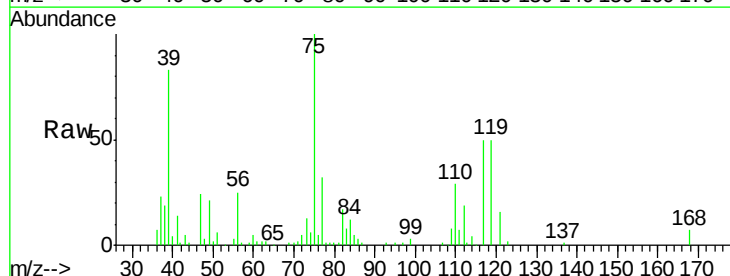


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

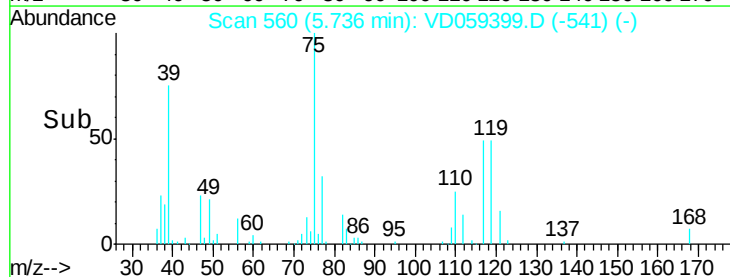
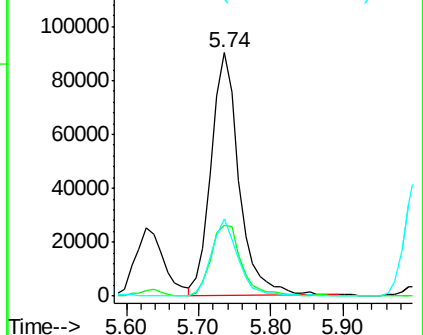


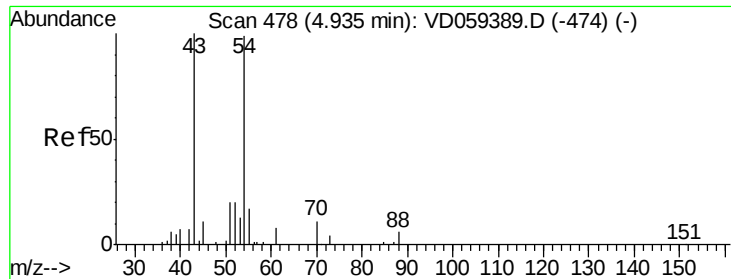
#36
 1,1-Dichloropropene
 Concen: 22.49 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

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

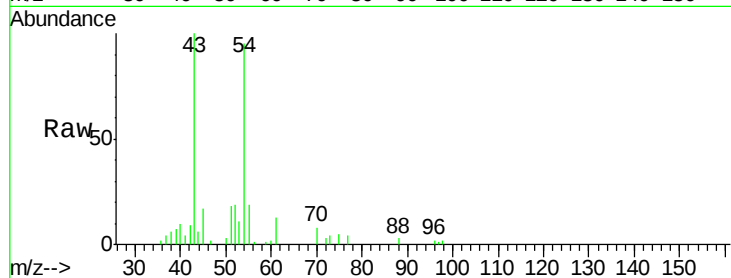




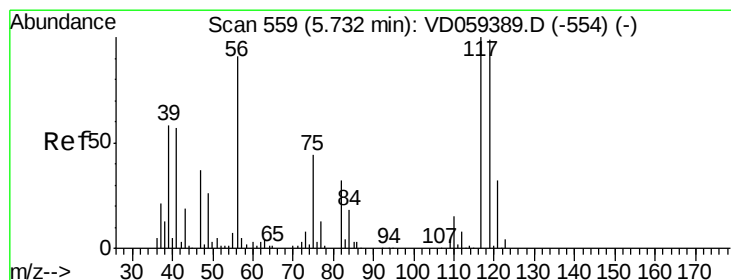
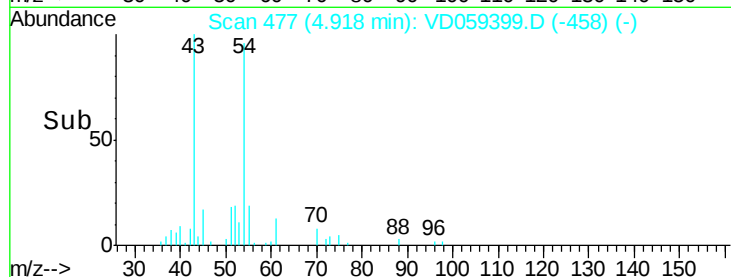
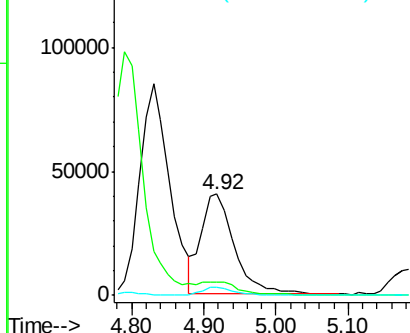
#37
Ethyl Acetate
Concen: 19.62 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

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

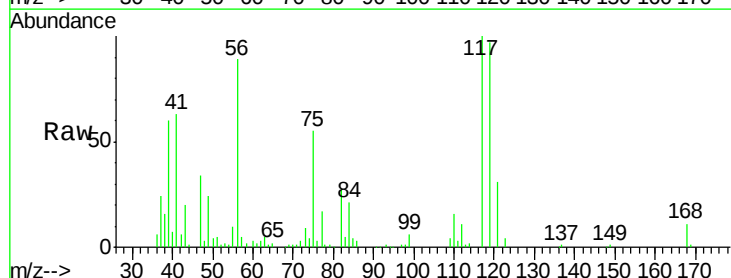


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

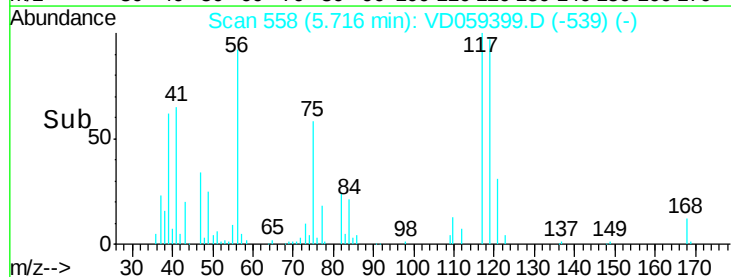
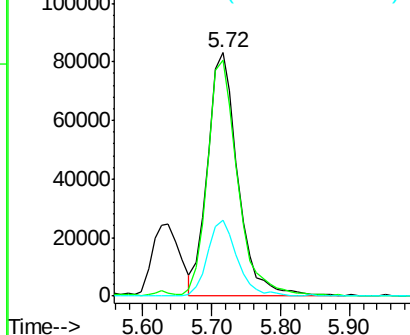


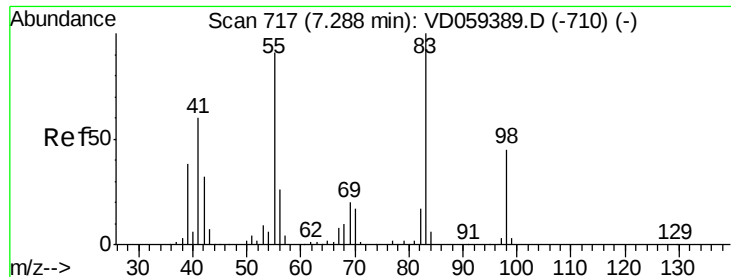
#38
Carbon Tetrachloride
Concen: 22.94 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

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



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

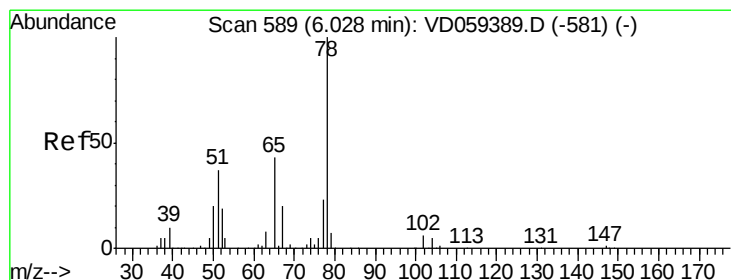
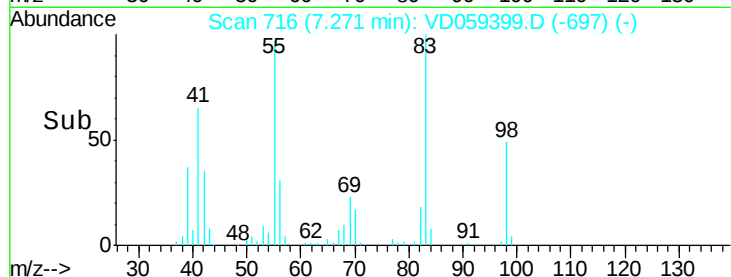
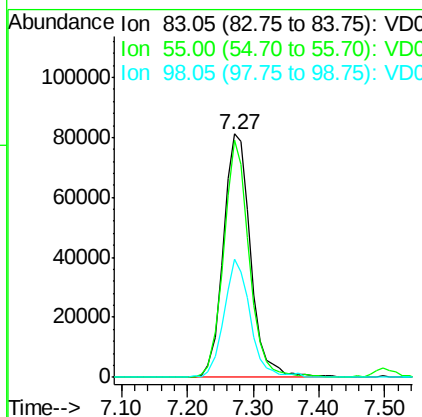
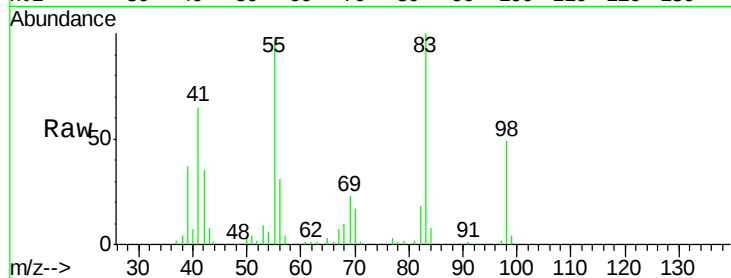




#39
Methvlcvclohexane
Concen: 22.97 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

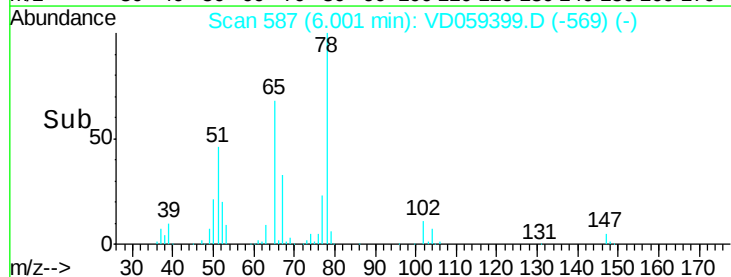
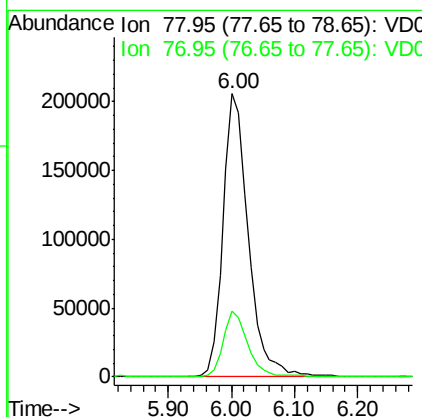
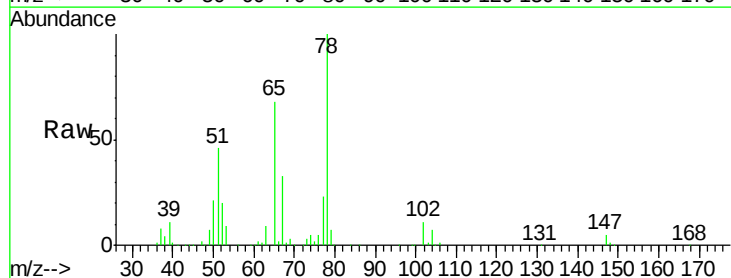
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

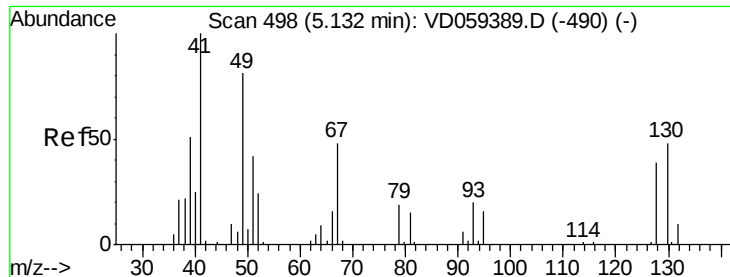
Tot Ion: 83 Resp: 234006
Ion Ratio Lower Upper
83 100
55 97.3 72.6 109.0
98 48.6 35.8 53.6



#40
Benzene
Concen: 22.23 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: 19.36 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

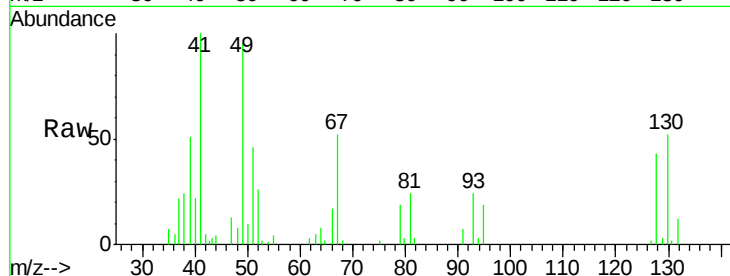
Ion Ratio Lower Upper

41 100

39 50.8 41.5 62.3

67 52.5 38.7 58.1

52 26.0 19.4 29.2

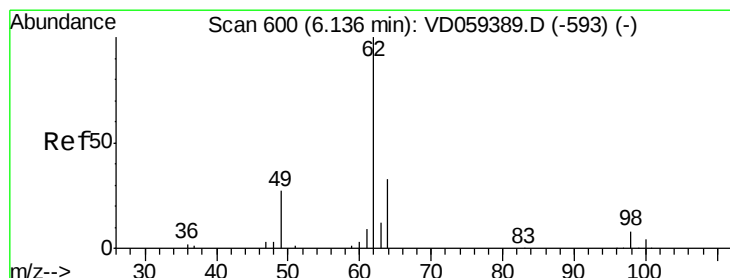
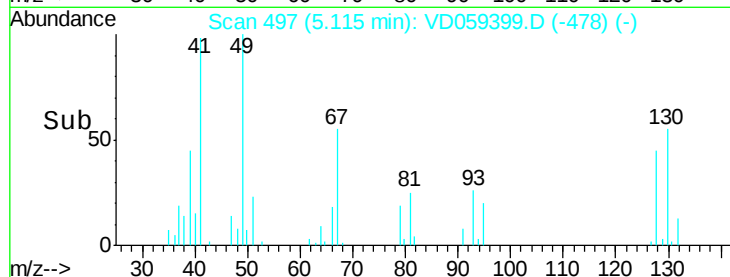
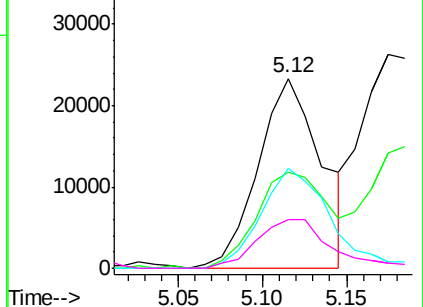


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.81 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD059399.D

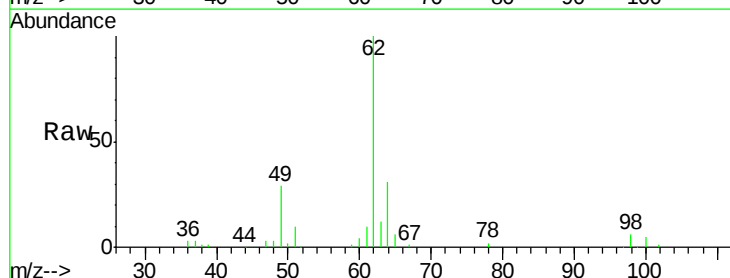
Acq: 25 Jun 2018 15:19

Tgt Ion: 62 Resp: 237032

Ion Ratio Lower Upper

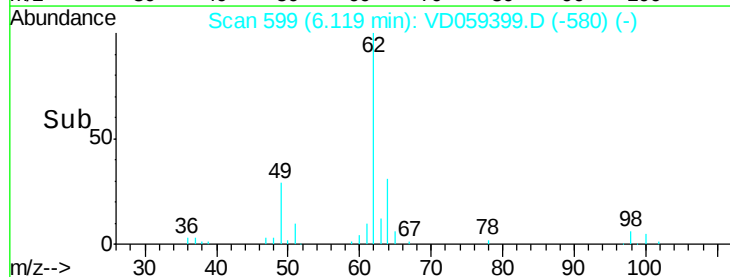
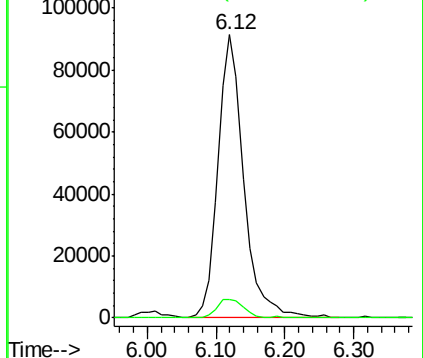
62 100

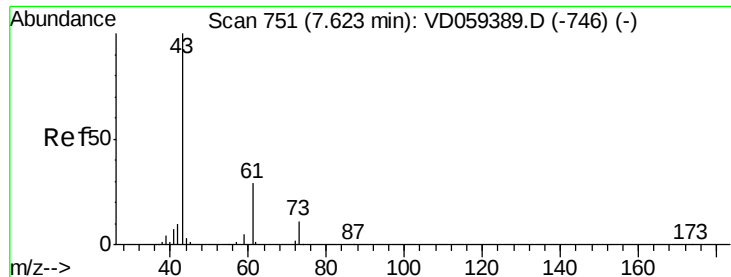
98 6.4 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.90 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 :

VD0625SBS02

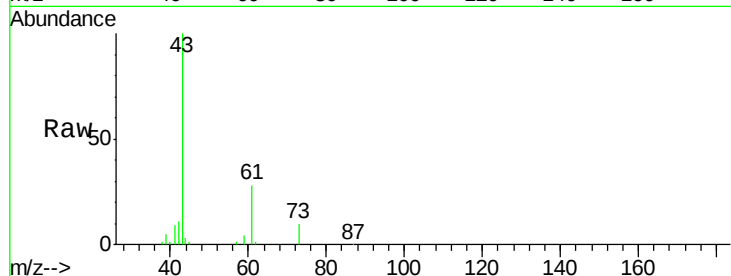
Tot Ion: 43 Resp: 163474

Ion Ratio Lower Upper

43 100

61 27.7 23.1 34.7

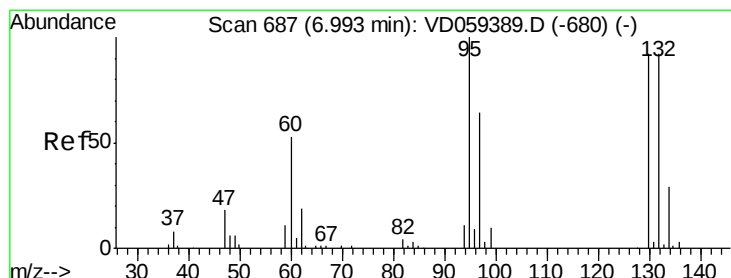
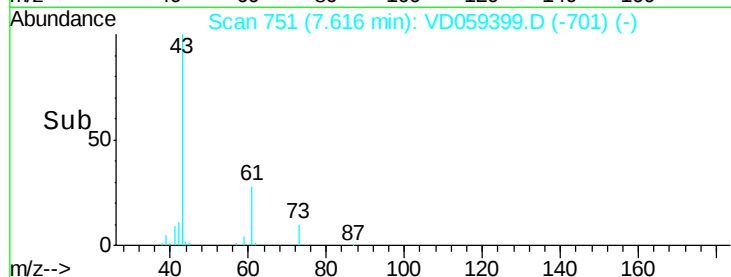
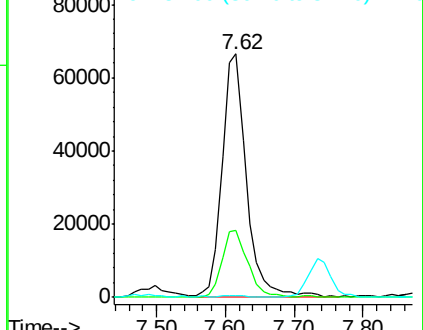
87 0.5 0.2 0.4#



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: 20.89 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: VD059399.D

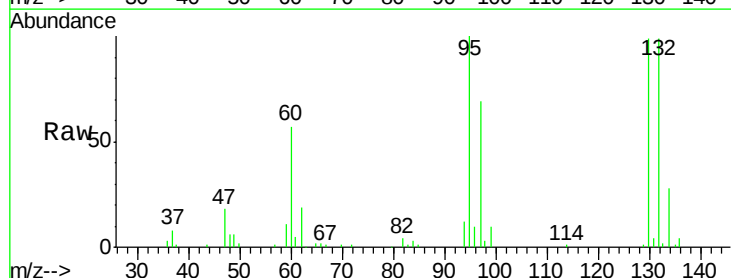
Acq: 25 Jun 2018 15:19

Tgt Ion:130 Resp: 176365

Ion Ratio Lower Upper

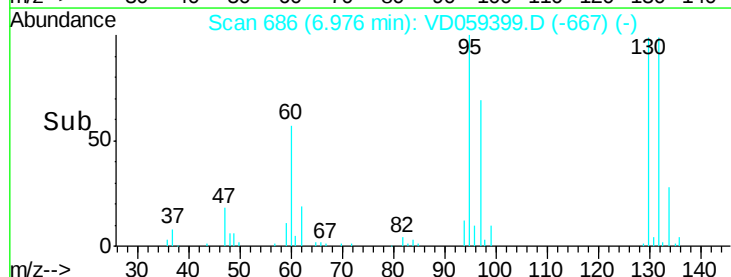
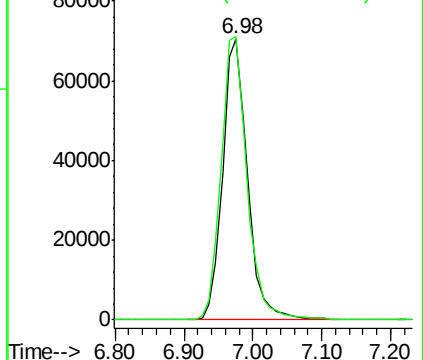
130 100

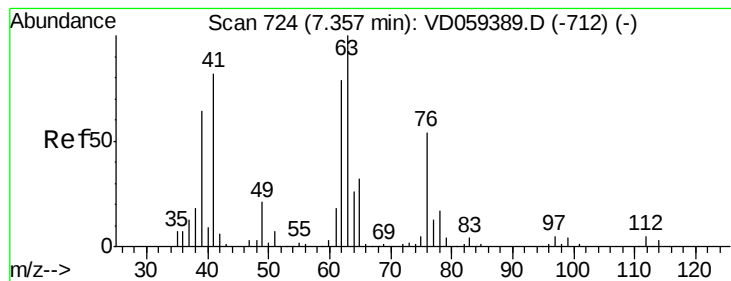
95 100.7 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.68 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 :

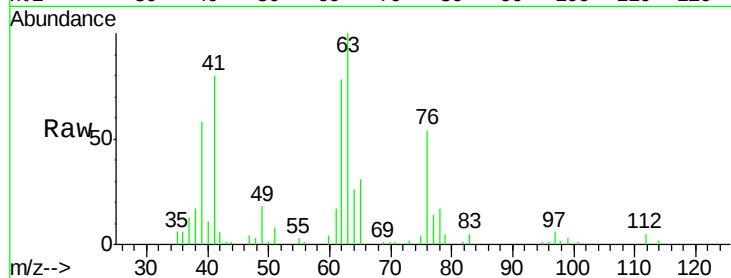
VD0625SBSD02

Tot Ion: 63 Resp: 154805

Ion Ratio Lower Upper

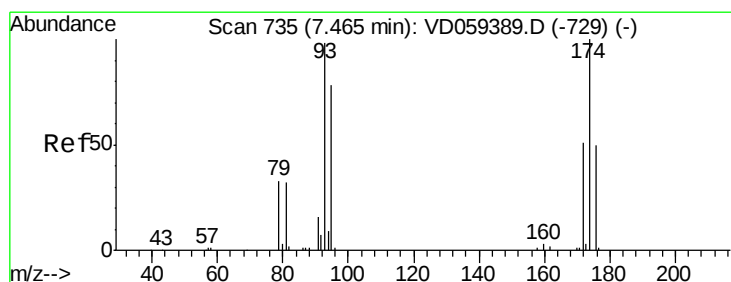
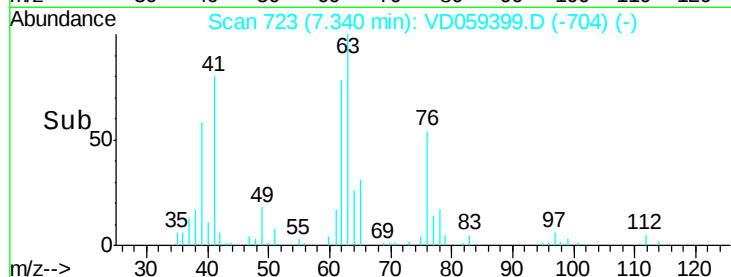
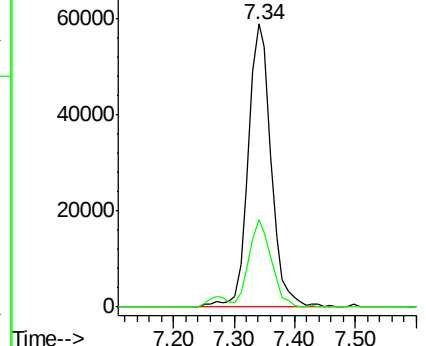
63 100

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: 20.65 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

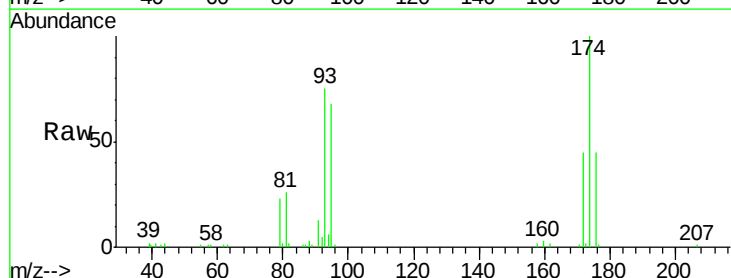
Tgt Ion: 93 Resp: 106033

Ion Ratio Lower Upper

93 100

95 89.8 63.4 95.0

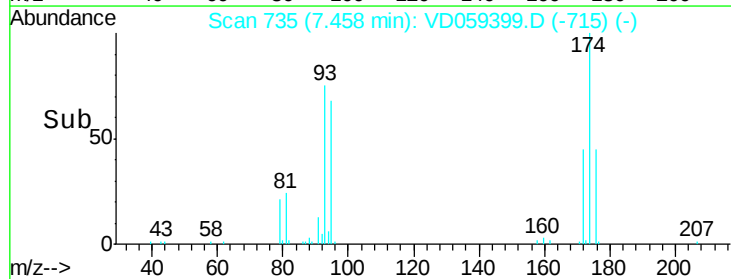
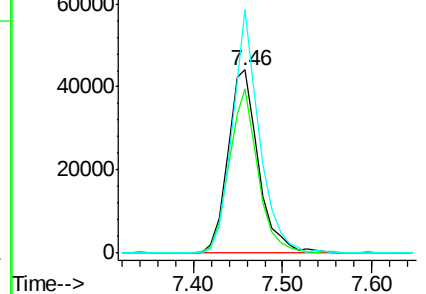
174 132.8 81.4 122.2#

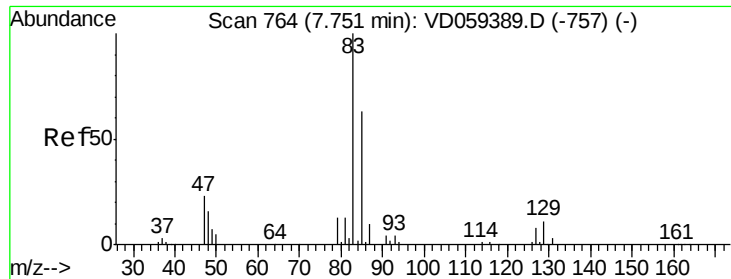


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.41 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

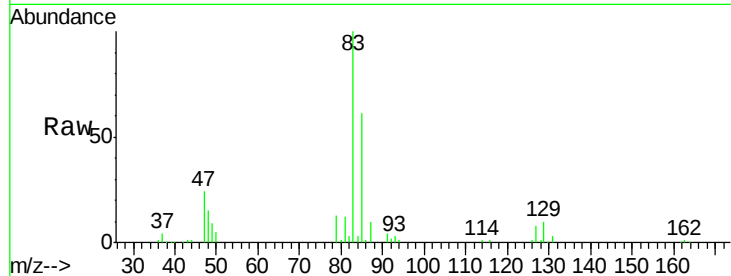
Tot Ion: 83 Resp: 246029

Ion Ratio Lower Upper

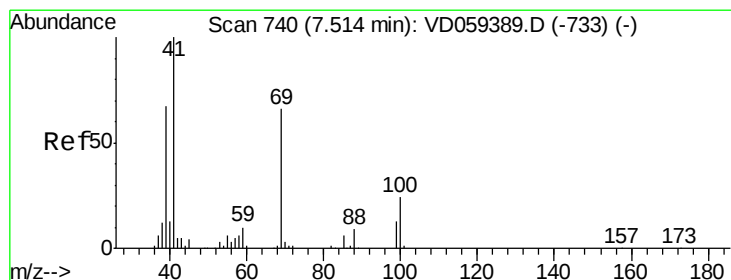
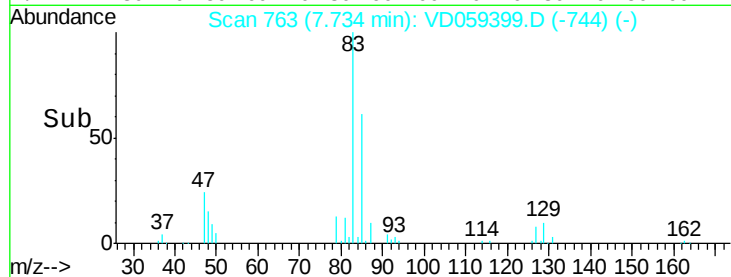
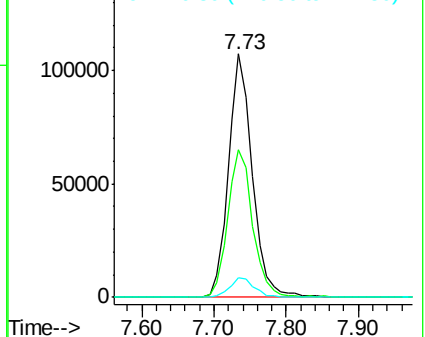
83 100

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: 20.20 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

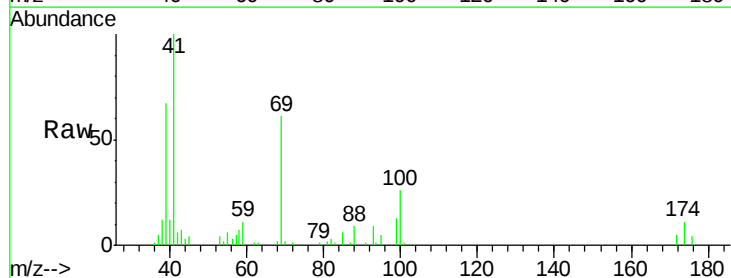
Tgt Ion: 41 Resp: 101111

Ion Ratio Lower Upper

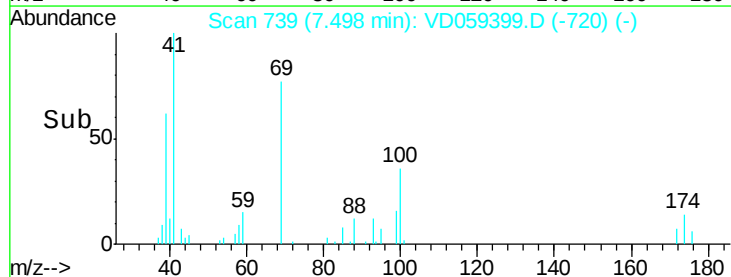
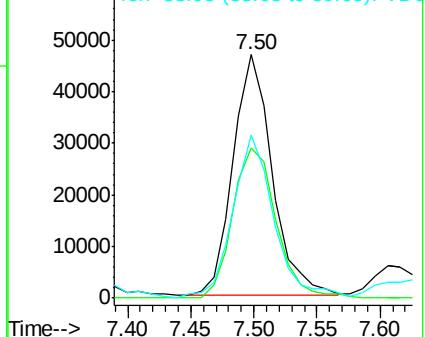
41 100

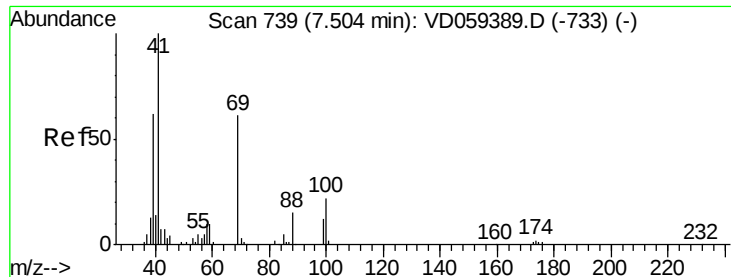
69 61.5 52.6 79.0

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: 421.94 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

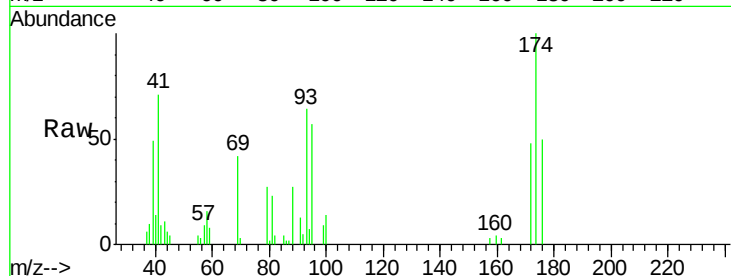
Tot Ion: 88 Resp: 21181

Ion Ratio Lower Upper

88 100

43 39.1 41.0 61.4#

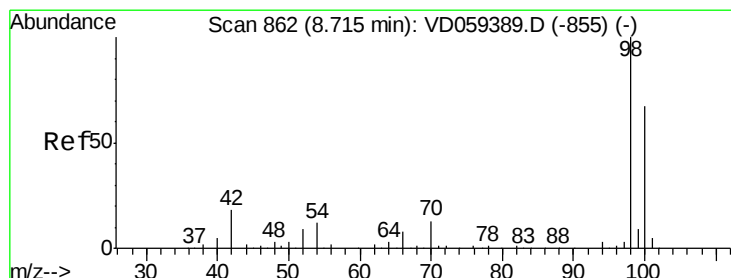
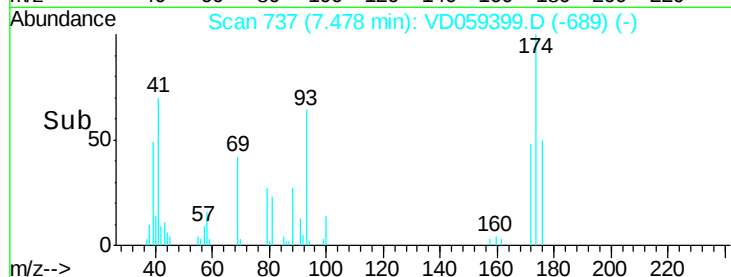
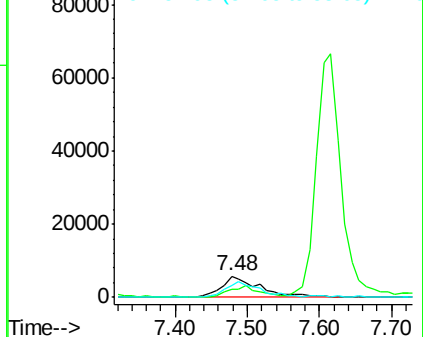
58 57.8 53.4 80.0



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: 421.94 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.02 min

Lab File: VD059399.D

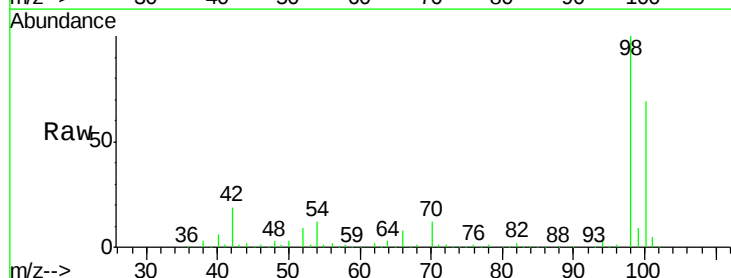
Acq: 25 Jun 2018 15:19

Tgt Ion: 98 Resp: 1019688

Ion Ratio Lower Upper

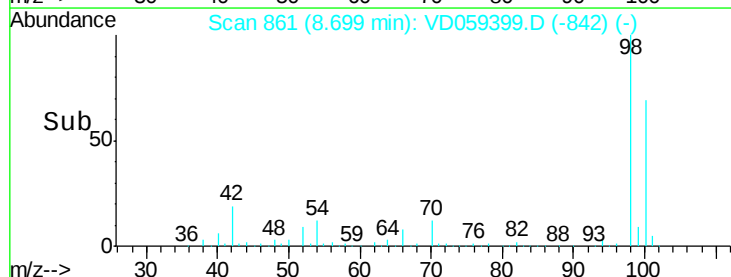
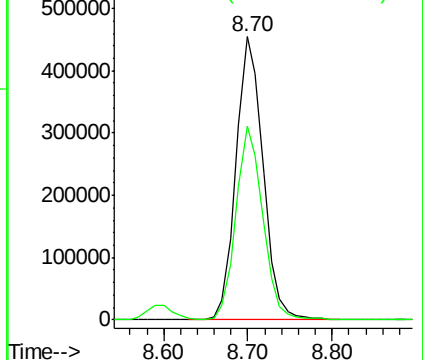
98 100

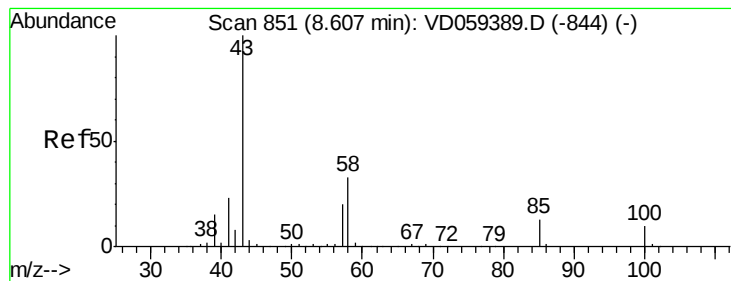
100 68.6 54.4 81.6



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: 101.35 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 :

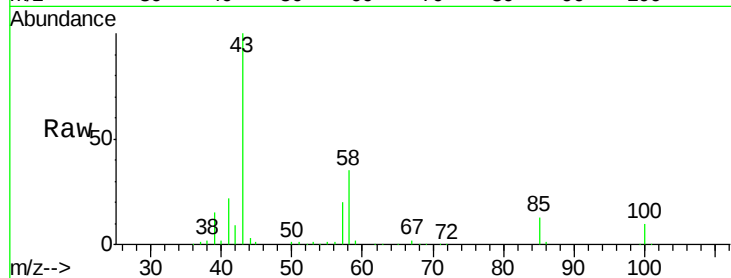
VD0625SBS02

Tot Ion: 43 Resp: 554878

Ion Ratio Lower Upper

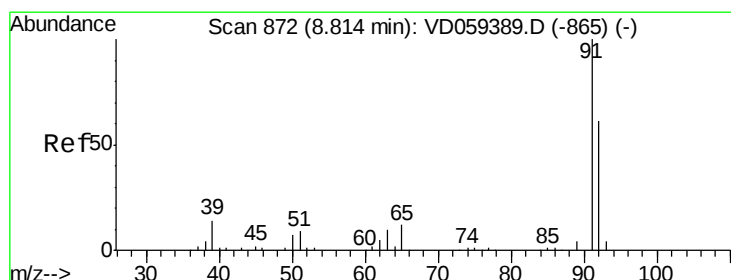
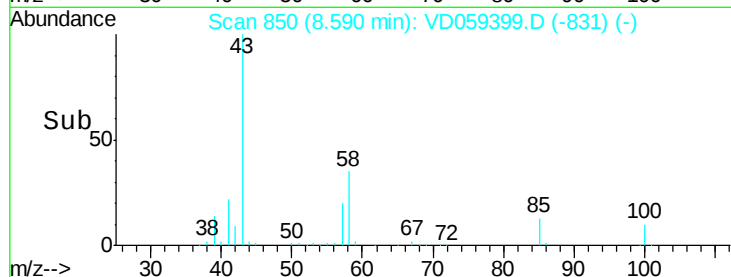
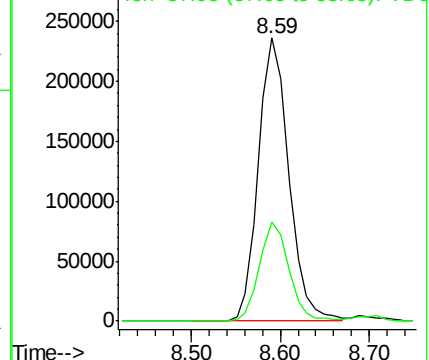
43 100

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: 20.60 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.02 min

Lab File: VD059399.D

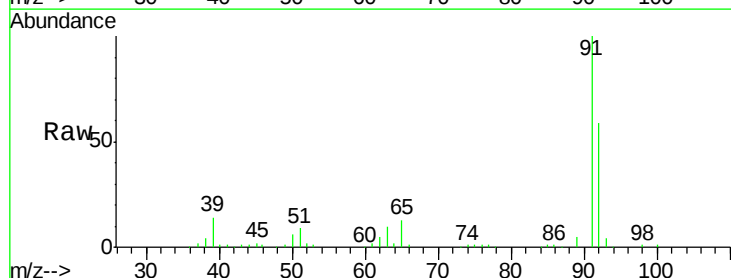
Acq: 25 Jun 2018 15:19

Tgt Ion: 92 Resp: 317192

Ion Ratio Lower Upper

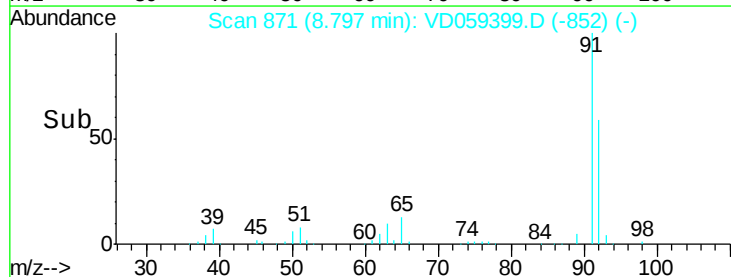
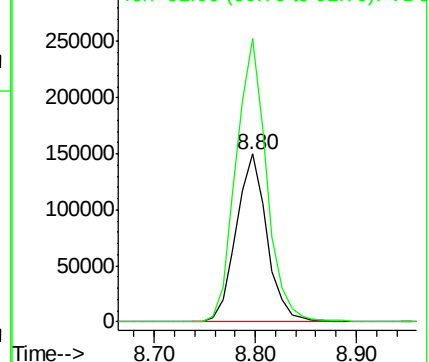
92 100

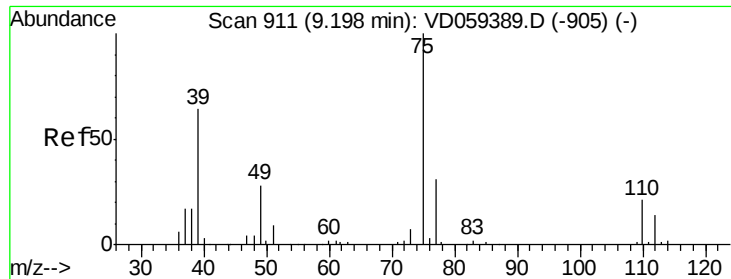
91 168.6 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

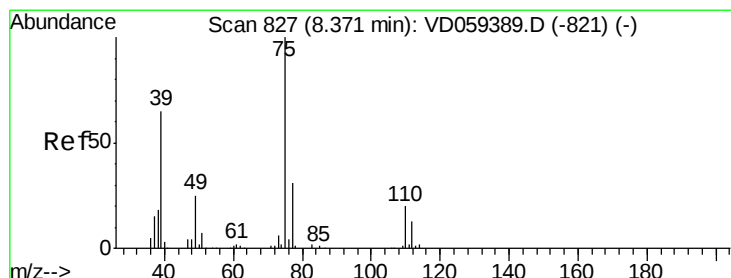
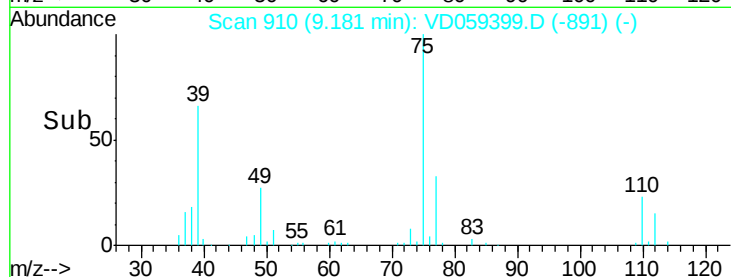
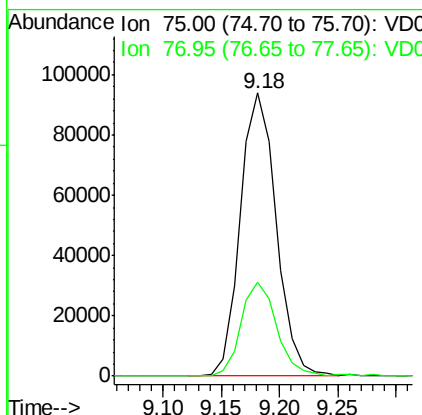
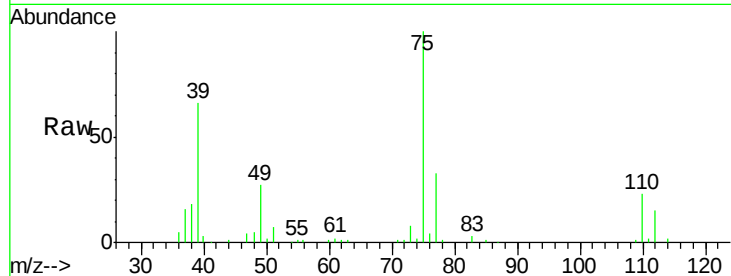




#53
 t-1,3-Dichloropropene
 Concen: 20.87 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

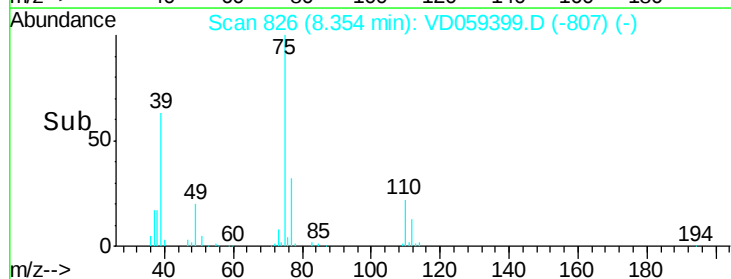
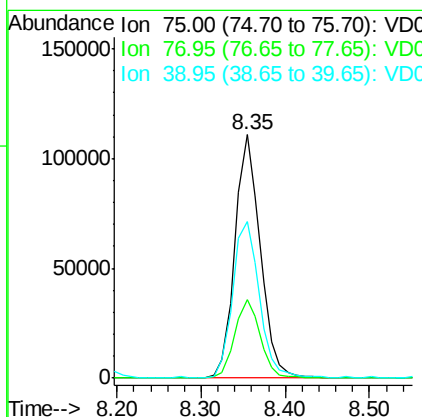
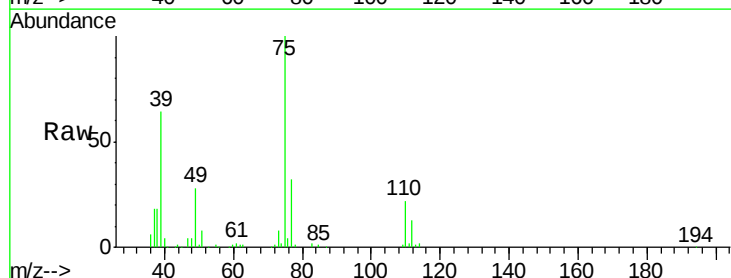
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

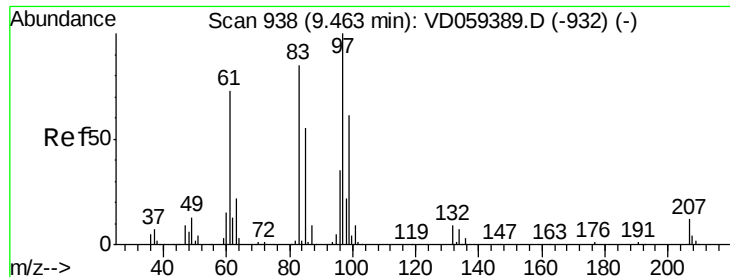
Tot Ion: 75 Resp: 200414
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 20.97 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: 20.77 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

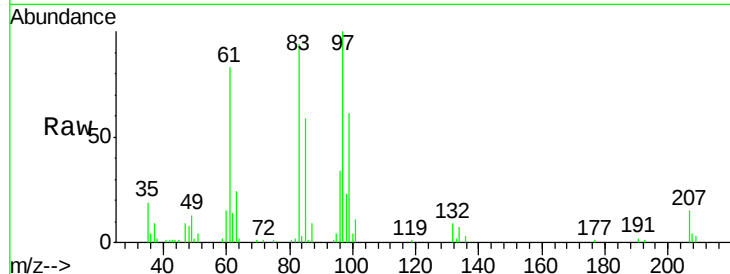
Ion Ratio Lower Upper

97 100

83 94.0 67.7 101.5

85 59.1 44.3 66.5

99 60.8 48.6 73.0

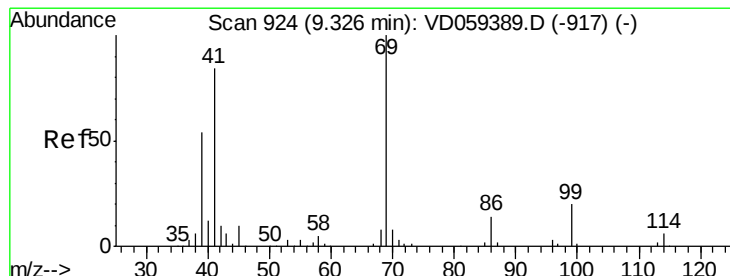
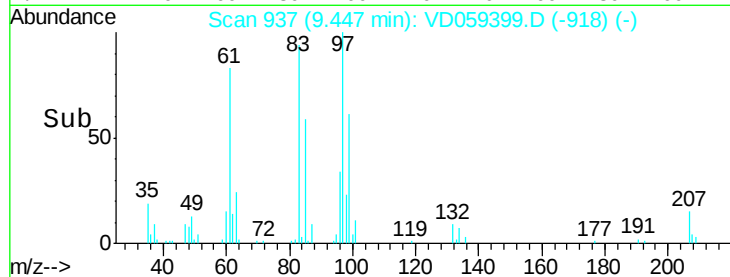
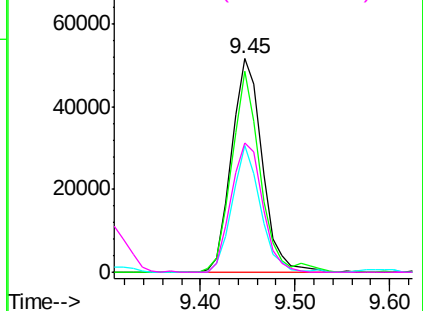


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.40 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

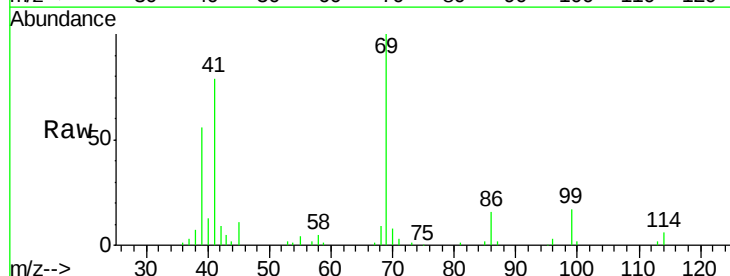
Tgt Ion: 69 Resp: 130151

Ion Ratio Lower Upper

69 100

41 79.5 67.4 101.0

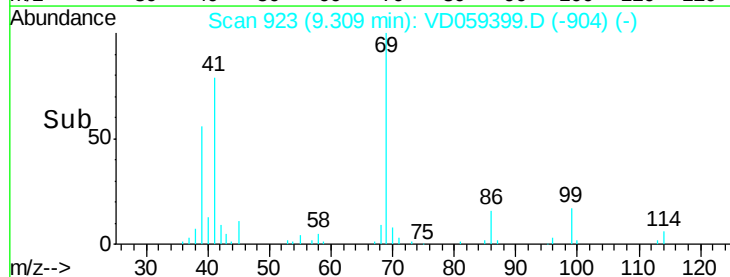
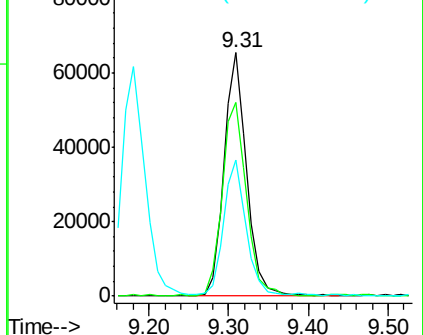
39 56.1 43.7 65.5

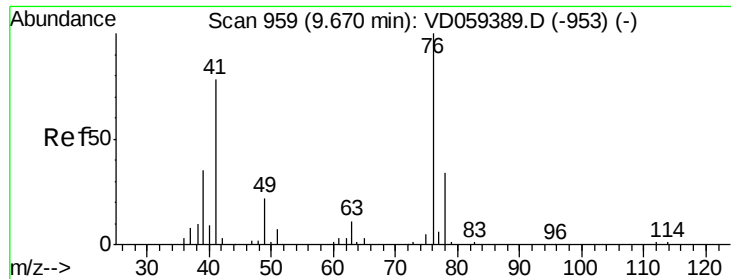


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.30 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 :

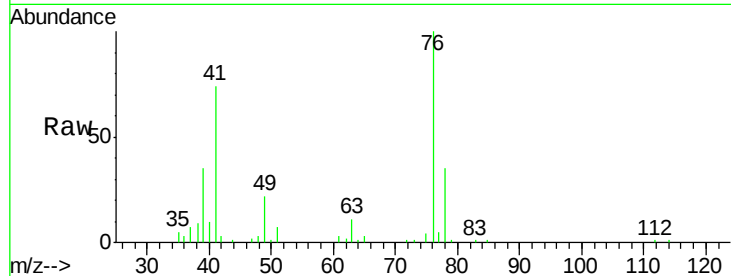
VD0625SBSD02

Tot Ion: 76 Resp: 185603

Ion Ratio Lower Upper

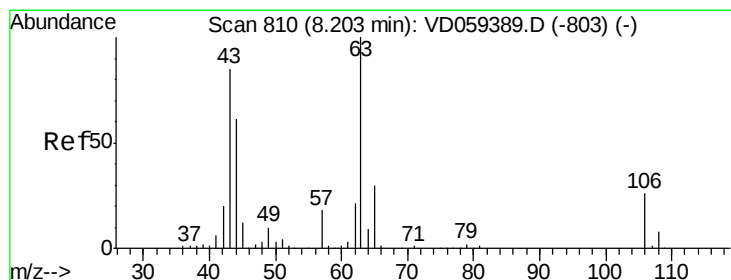
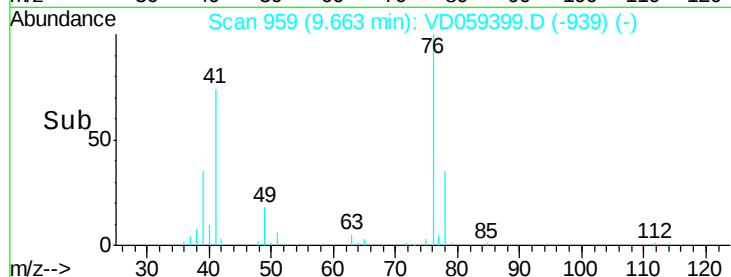
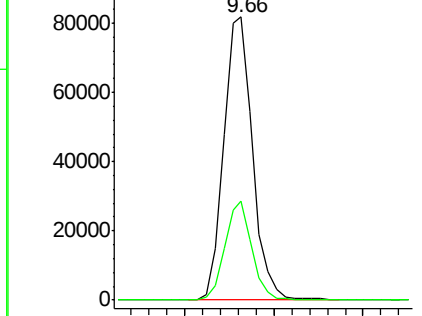
76 100

78 34.8 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 104.99 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD059399.D

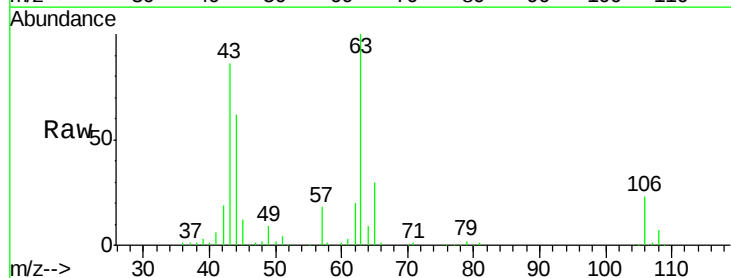
Acq: 25 Jun 2018 15:19

Tgt Ion: 63 Resp: 344734

Ion Ratio Lower Upper

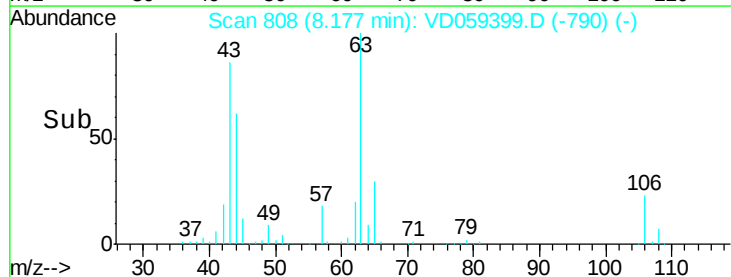
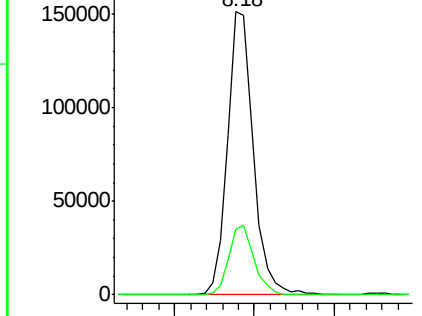
63 100

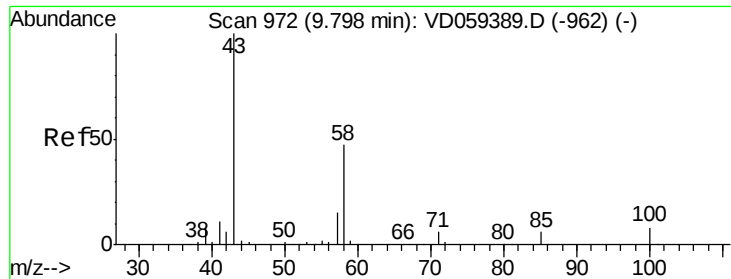
106 23.5 20.6 31.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

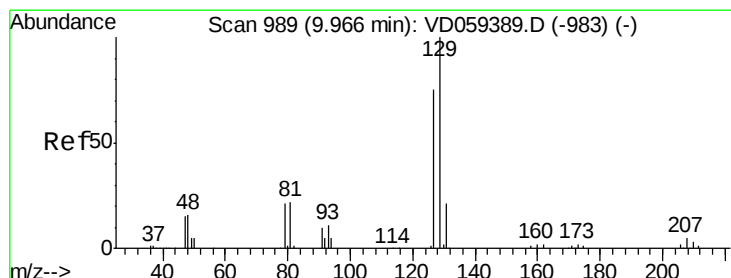
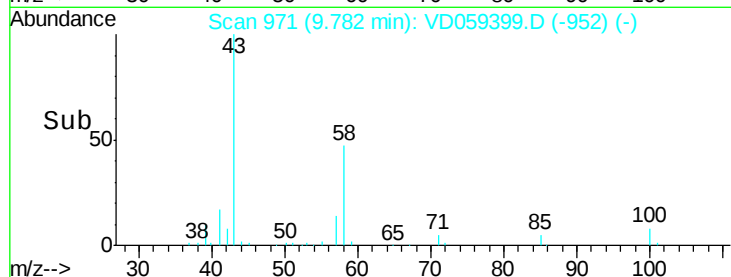
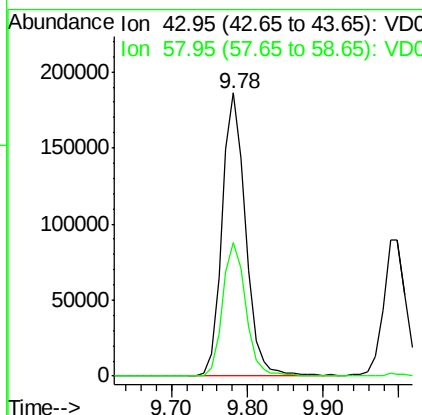
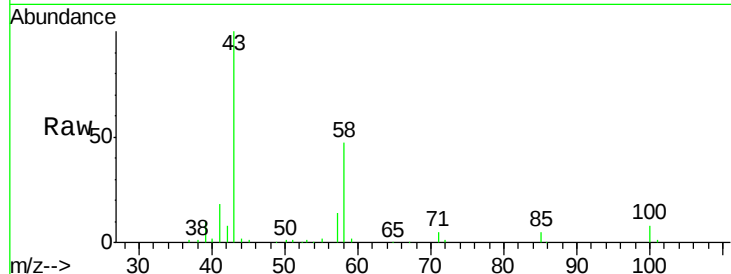




#59
2-Hexanone
Concen: 103.30 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

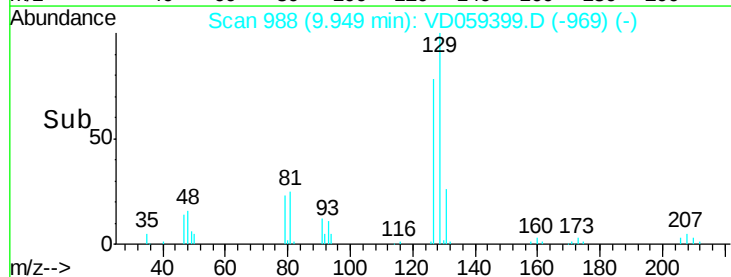
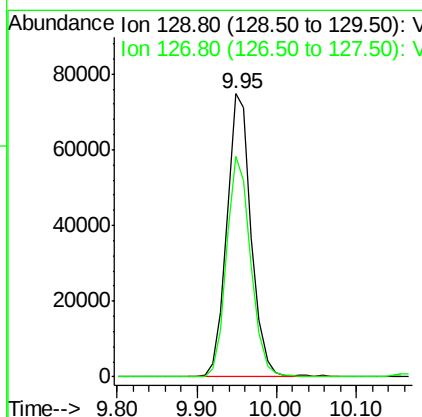
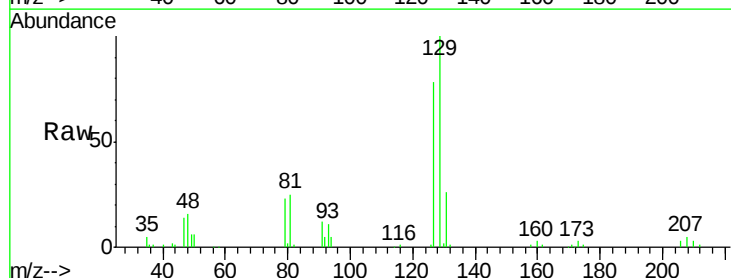
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

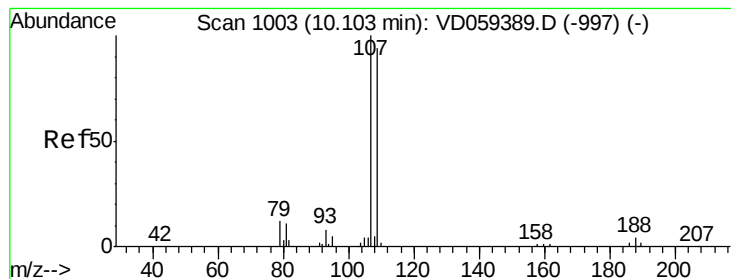
Tot Ion: 43 Resp: 401925
Ion Ratio Lower Upper
43 100
58 47.2 23.3 69.9



#60
Dibromochloromethane
Concen: 20.51 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: 20.14 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 :

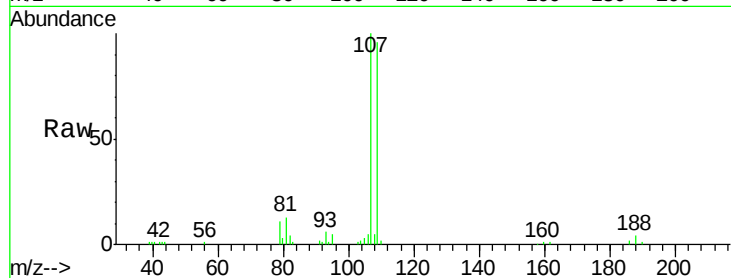
VD0625SBS02

Tot Ion:107 Resp: 125375

Ion Ratio Lower Upper

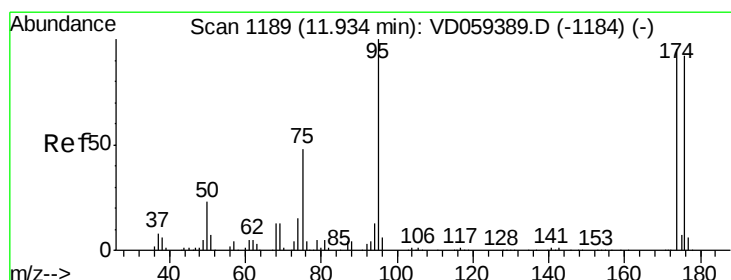
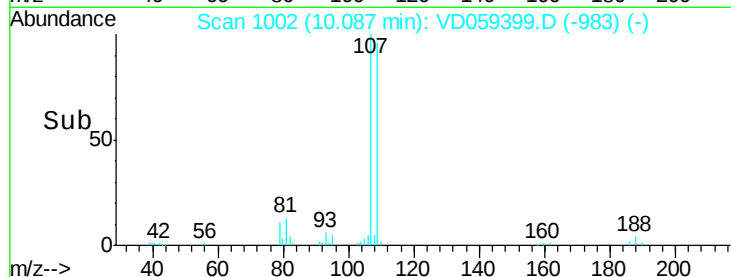
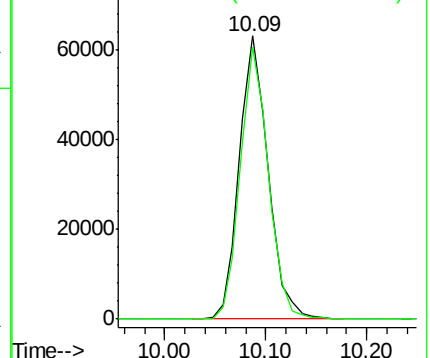
107 100

109 96.2 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.14 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

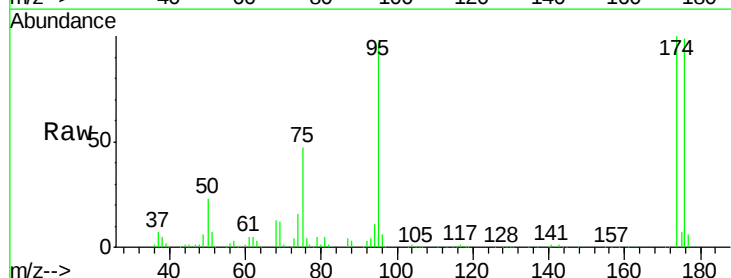
Tgt Ion: 95 Resp: 437682

Ion Ratio Lower Upper

95 100

174 102.7 0.0 190.4

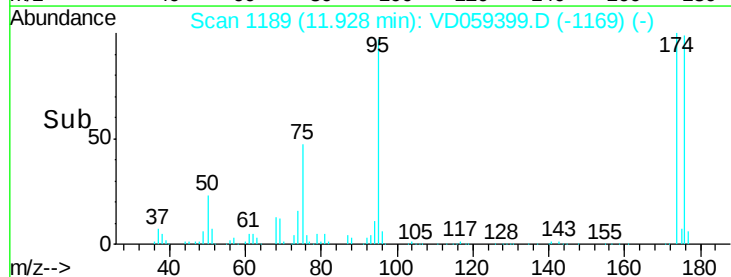
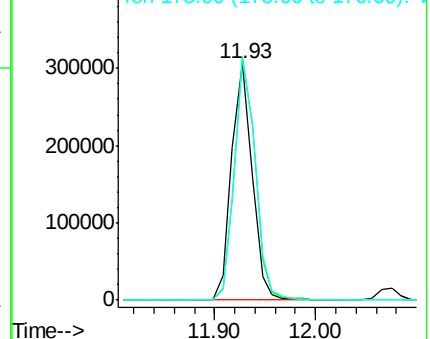
176 102.0 0.0 183.2

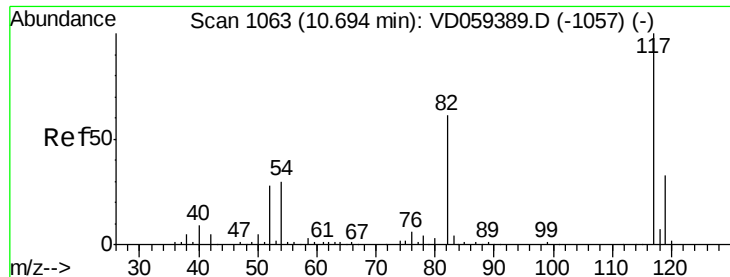


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 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 :

VD0625SBS02

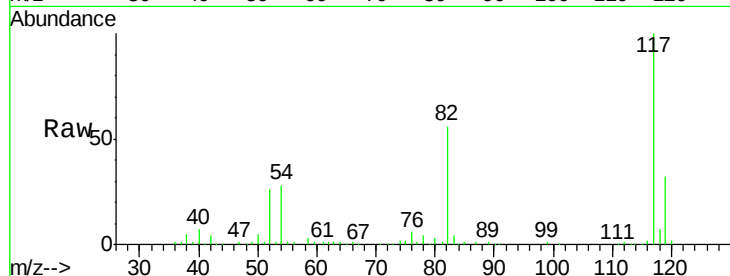
Tot Ion:117 Resp: 941880

Ion Ratio Lower Upper

117 100

82 55.9 49.0 73.6

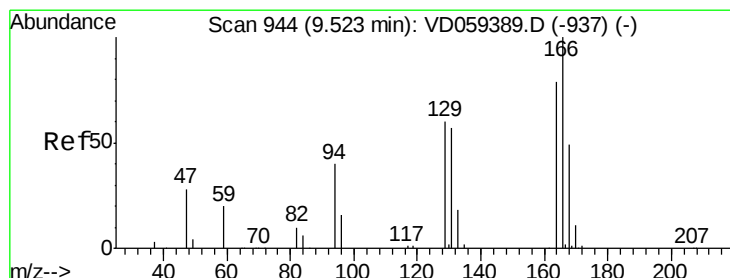
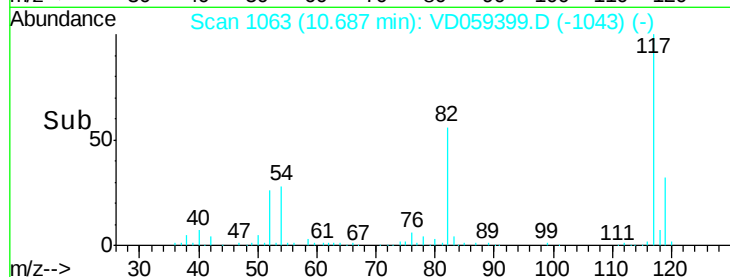
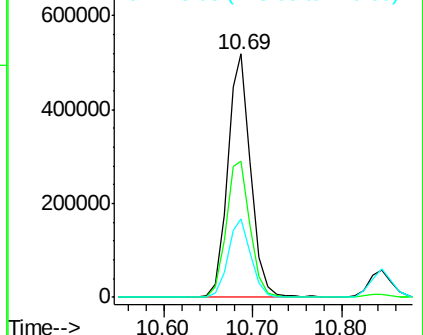
119 32.1 26.2 39.4



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: 20.88 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

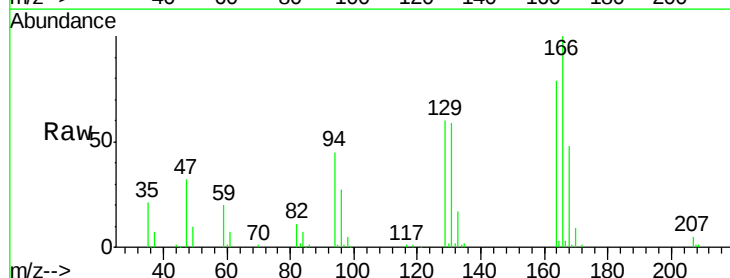
Ion Ratio Lower Upper

164 100

166 127.3 101.4 152.2

129 77.0 60.9 91.3

131 74.8 58.2 87.4

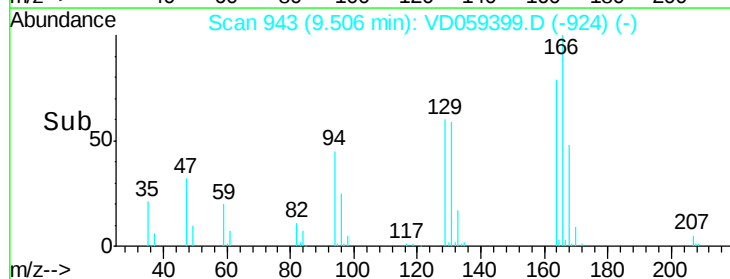
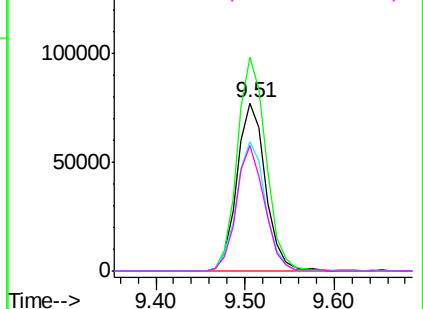


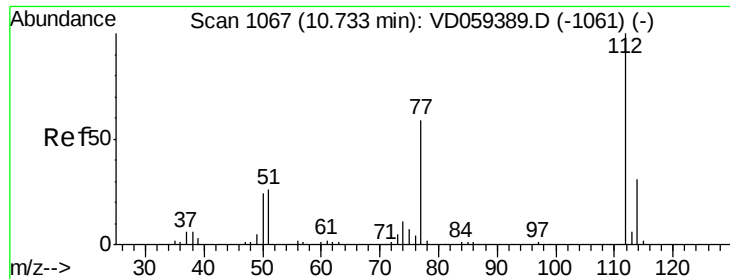
Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.97 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 :

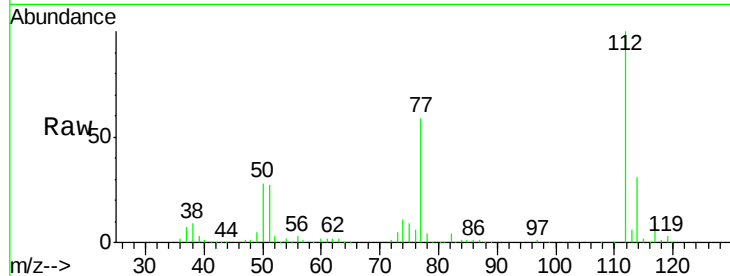
VD0625SBSD02

Tot Ion:112 Resp: 378452

Ion Ratio Lower Upper

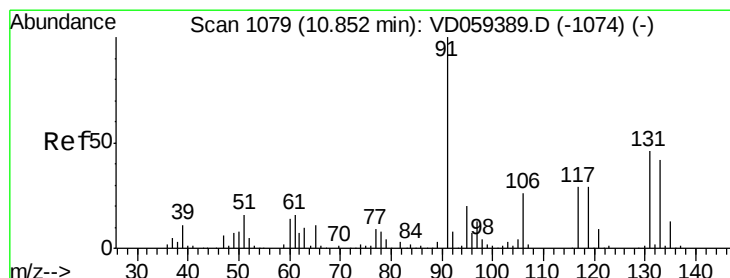
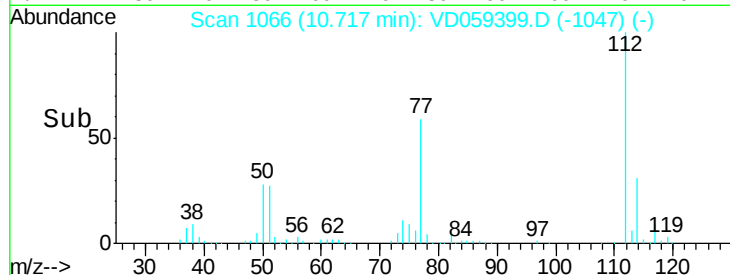
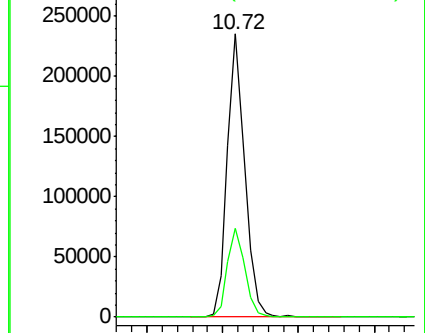
112 100

114 31.2 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.07 ug/l

RT: 10.84 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VD059399.D

Acq: 25 Jun 2018 15:19

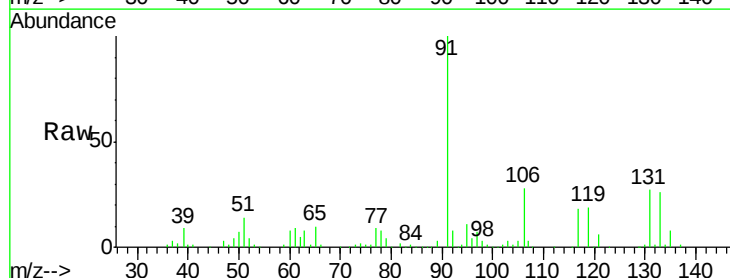
Tgt Ion:131 Resp: 152514

Ion Ratio Lower Upper

131 100

133 96.3 45.7 137.1

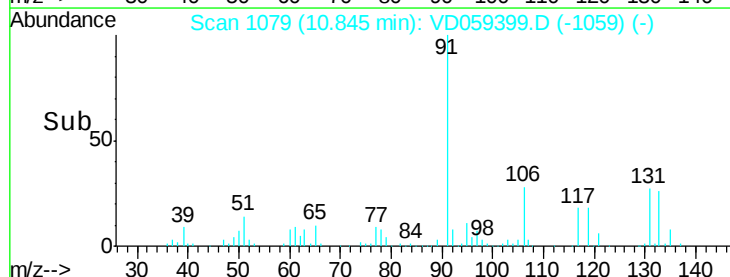
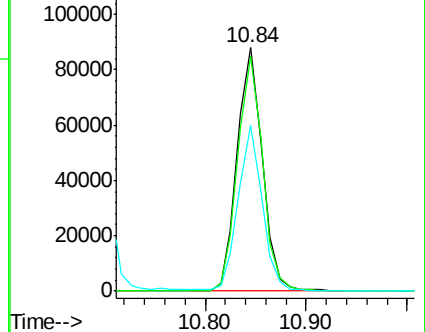
119 68.2 32.3 96.9

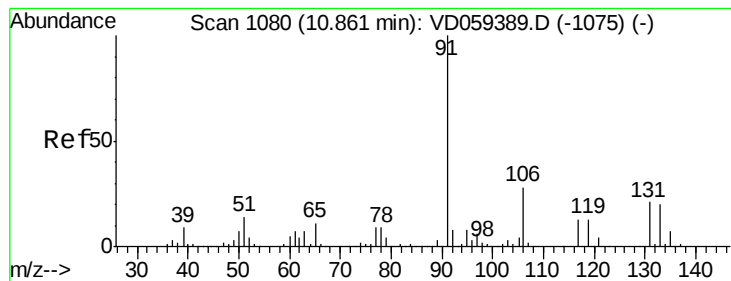


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 23.88 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 :

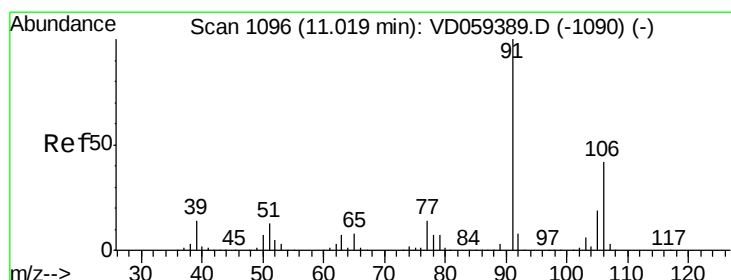
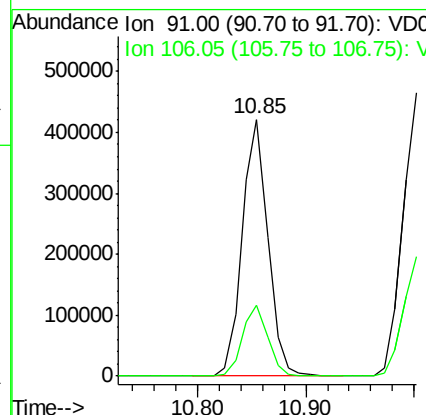
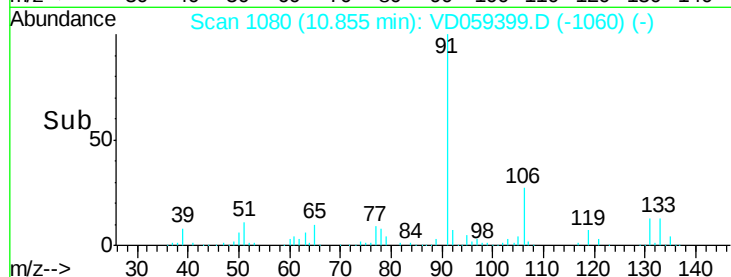
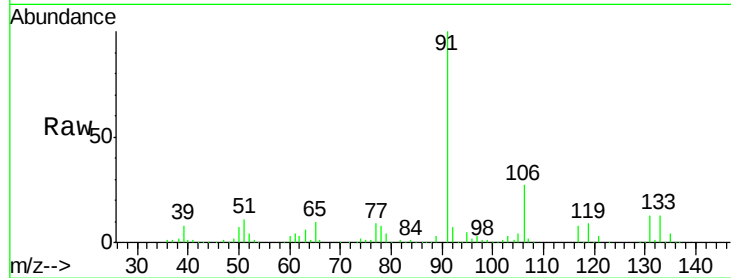
VD0625SBS02

Tot Ion: 91 Resp: 694083

Ion Ratio Lower Upper

91 100

106 27.5 22.3 33.5



#68

m/p-Xylenes

Concen: 46.07 ug/l

RT: 11.00 min Scan# 1095

Delta R.T. -0.02 min

Lab File: VD059399.D

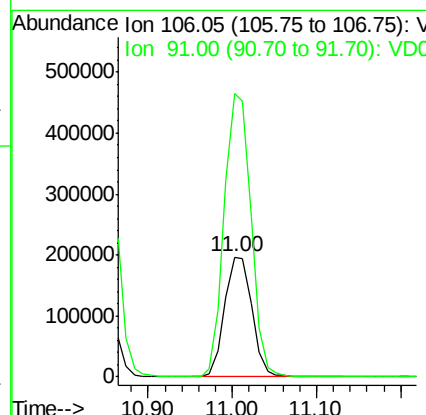
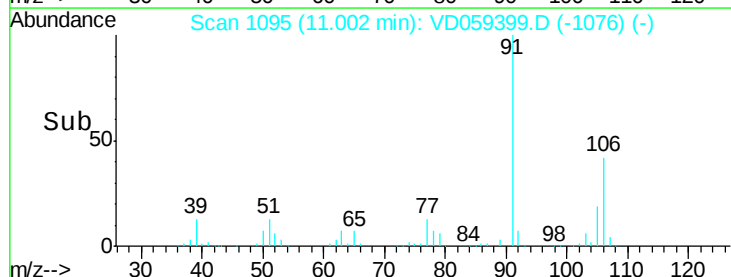
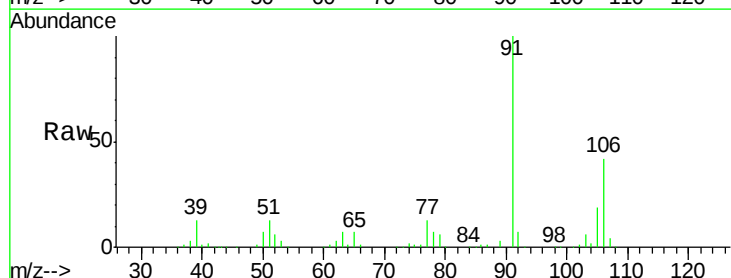
Acq: 25 Jun 2018 15:19

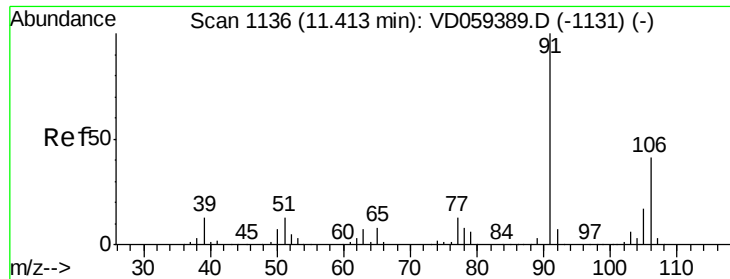
Tgt Ion: 106 Resp: 444176

Ion Ratio Lower Upper

106 100

91 236.0 191.0 286.6

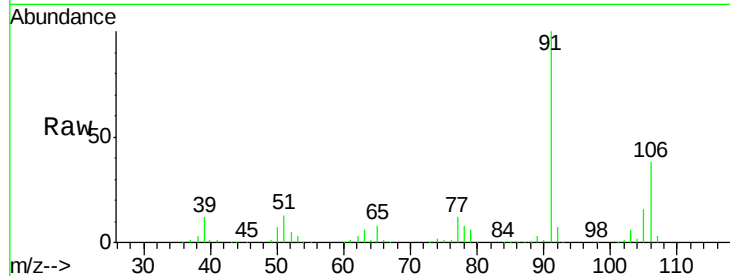




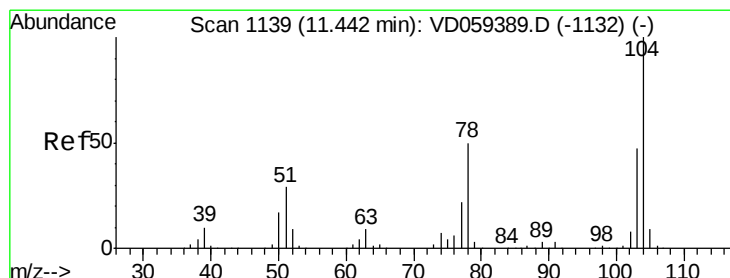
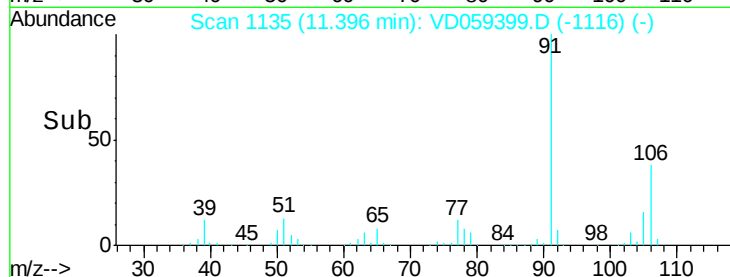
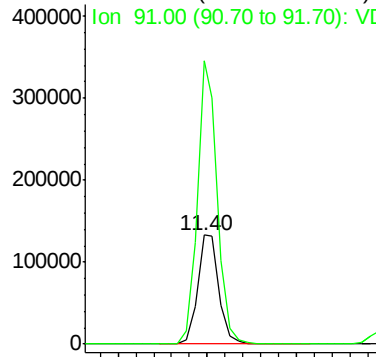
#69
o-Xylene
Concen: 23.54 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS02

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

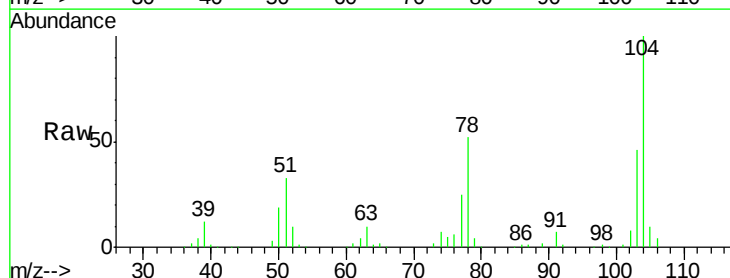


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

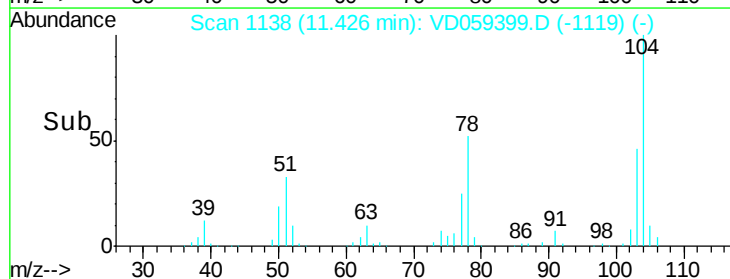
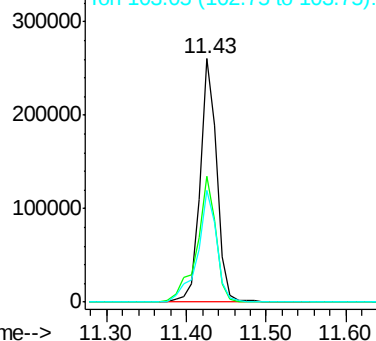


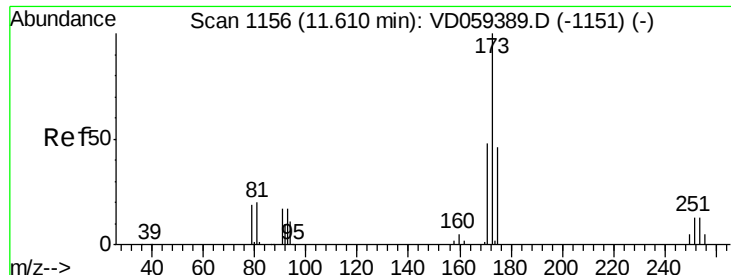
#70
Styrene
Concen: 23.52 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

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): V
Ion 103.05 (102.75 to 103.75): V

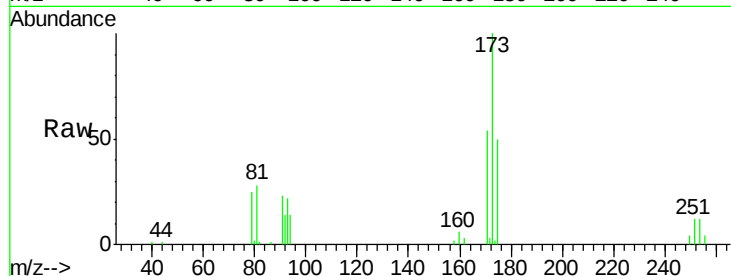




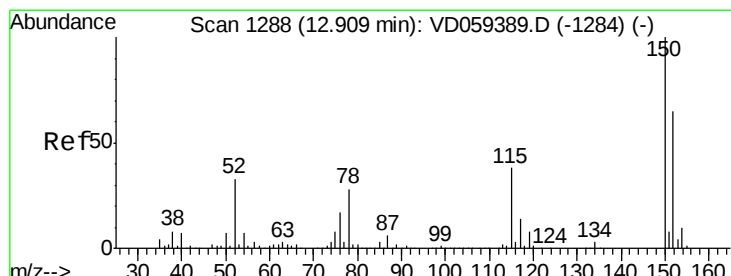
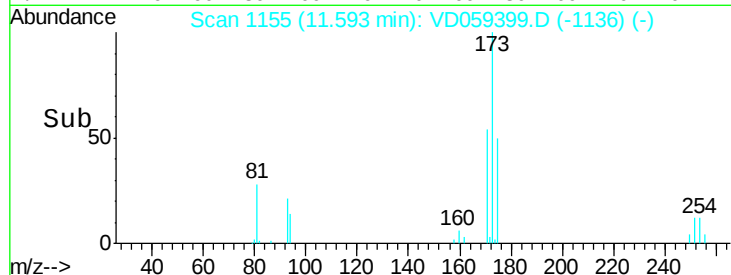
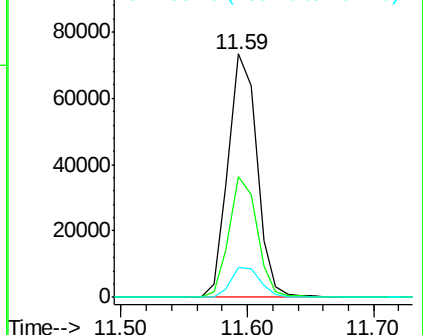
#71
Bromoform
Concen: 21.18 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

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

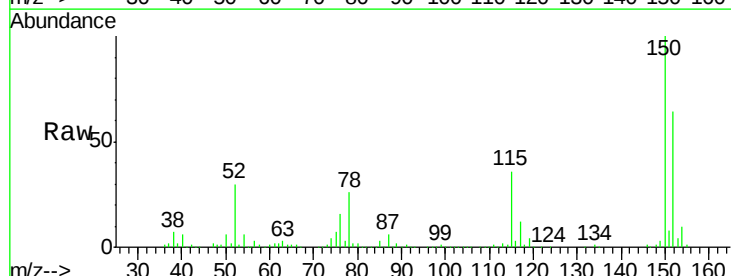


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

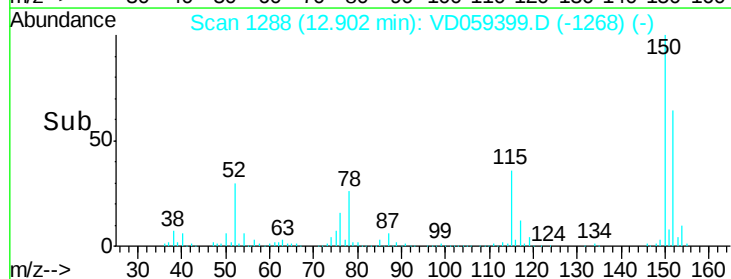
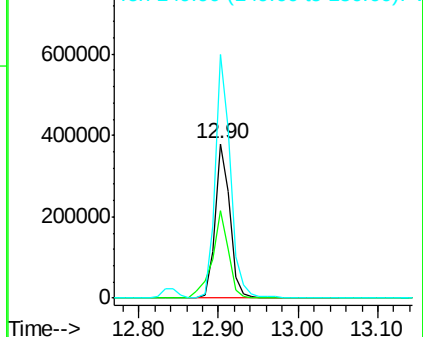


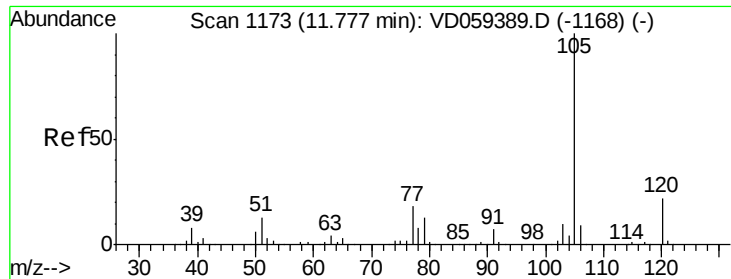
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

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: 22.53 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 :

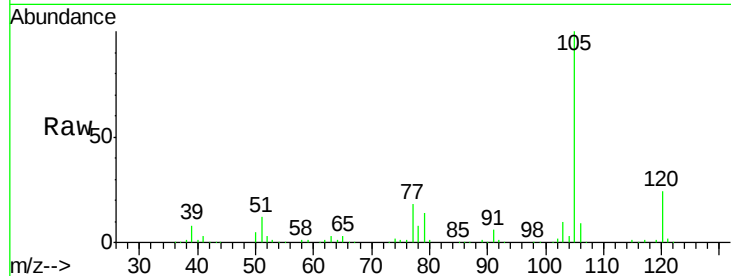
VD0625SBS02

Tot Ion:105 Resp: 630430

Ion Ratio Lower Upper

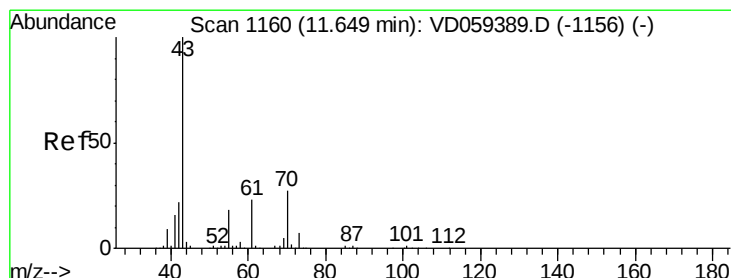
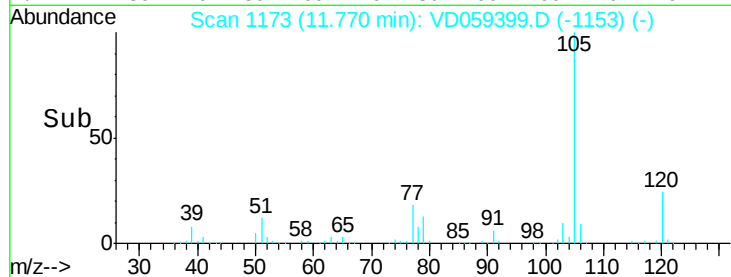
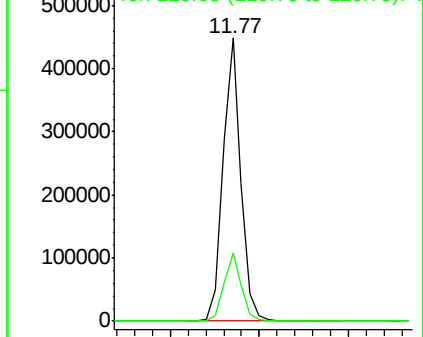
105 100

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: 20.08 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

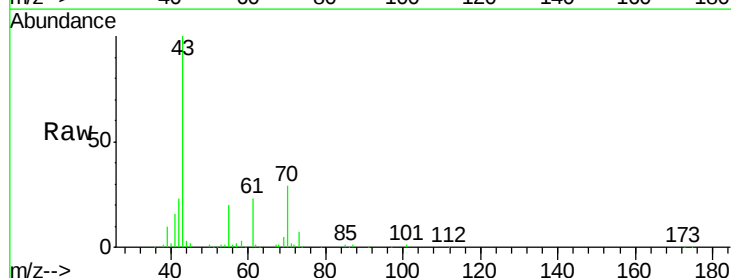
Ion Ratio Lower Upper

43 100

70 29.2 21.7 32.5

55 19.9 14.6 22.0

61 23.4 18.0 27.0

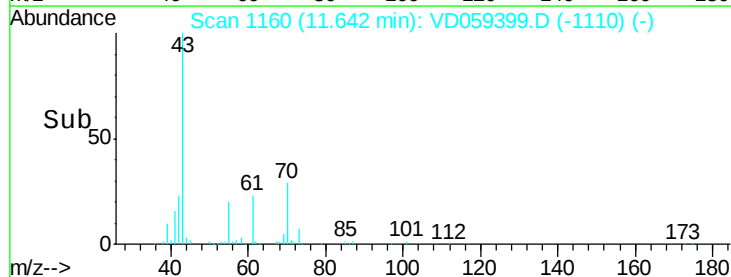
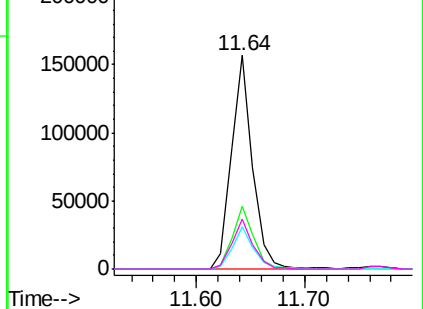


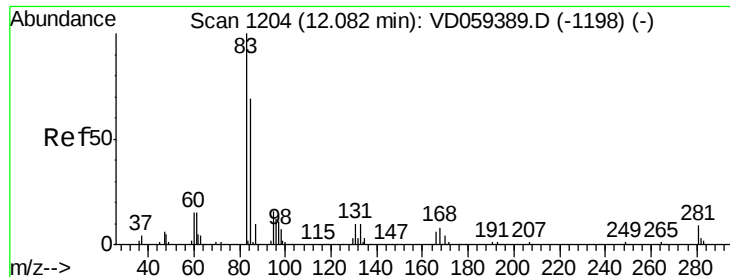
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.29 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

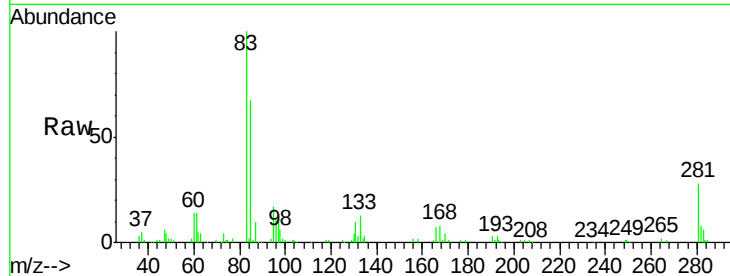
Tot Ion: 83 Resp: 133177

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

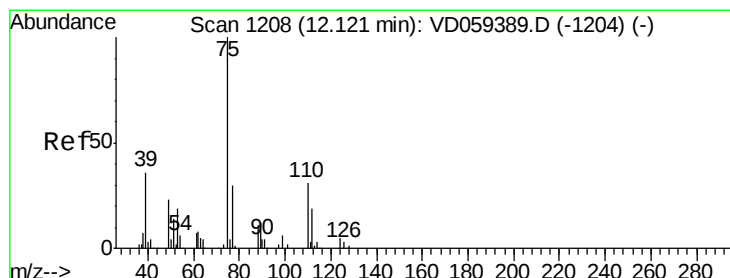
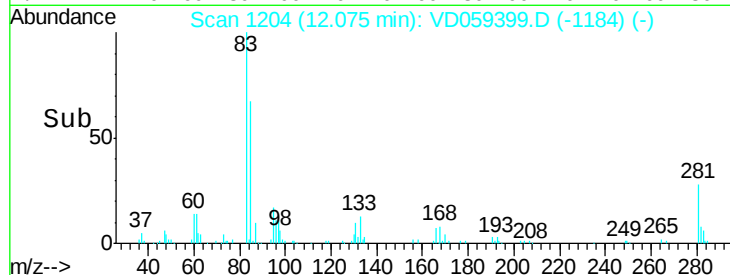
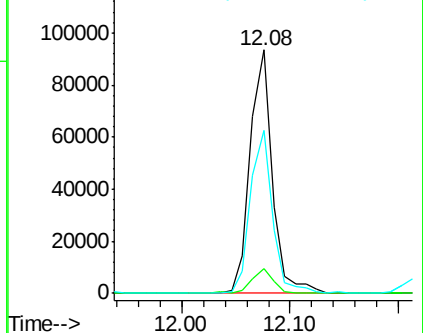
85 67.1 34.6 103.8



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: 21.54 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059399.D

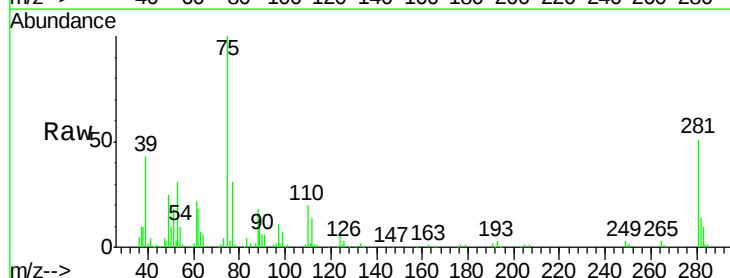
Acq: 25 Jun 2018 15:19

Tgt Ion: 75 Resp: 147300

Ion Ratio Lower Upper

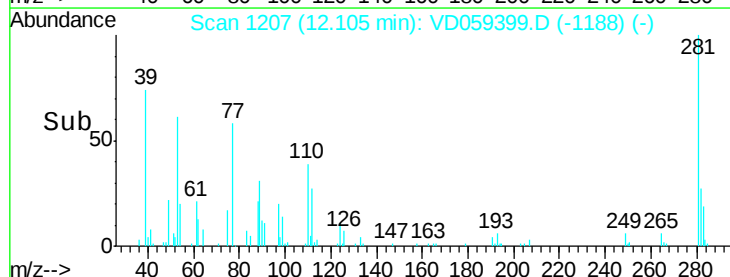
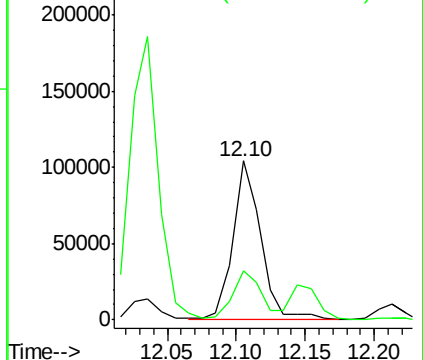
75 100

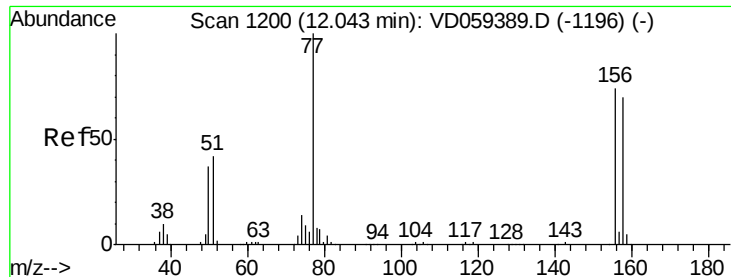
77 30.9 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.59 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 :

VD0625SBS02

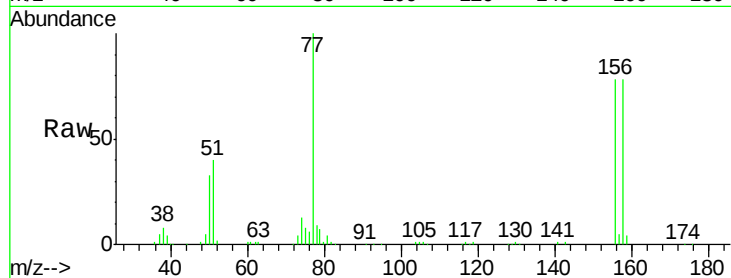
Tot Ion:156 Resp: 198934

Ion Ratio Lower Upper

156 100

77 128.9 68.0 203.8

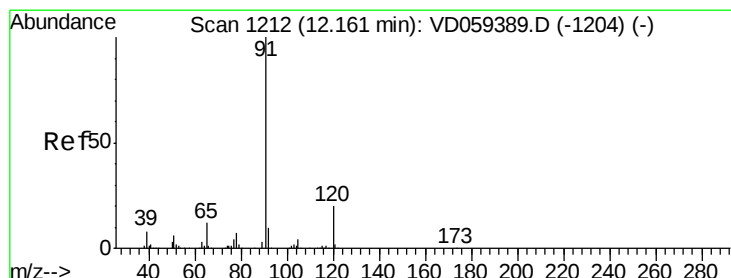
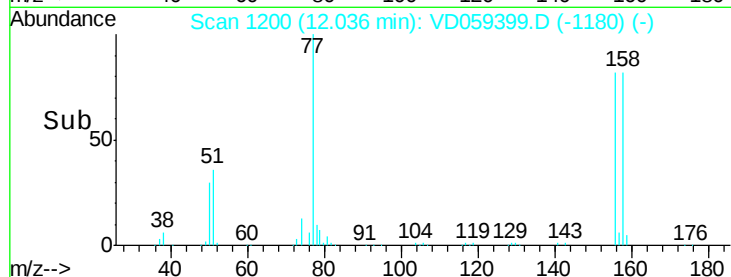
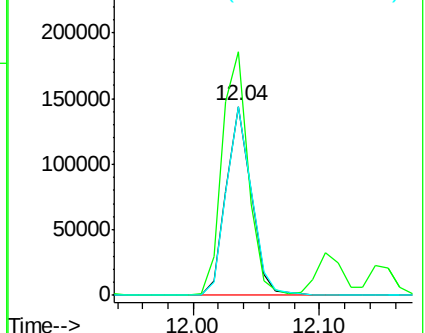
158 100.0 47.7 143.1



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: 23.00 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.02 min

Lab File: VD059399.D

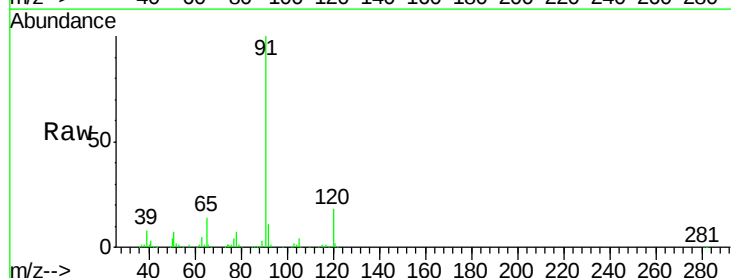
Acq: 25 Jun 2018 15:19

Tgt Ion: 91 Resp: 815309

Ion Ratio Lower Upper

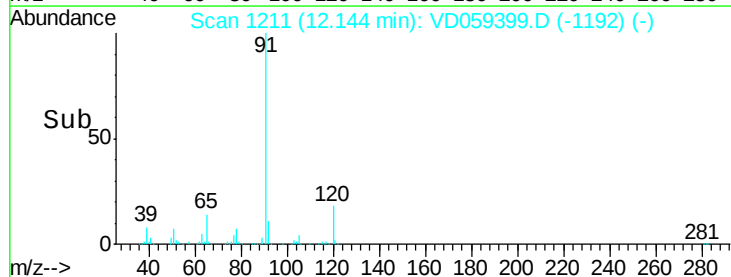
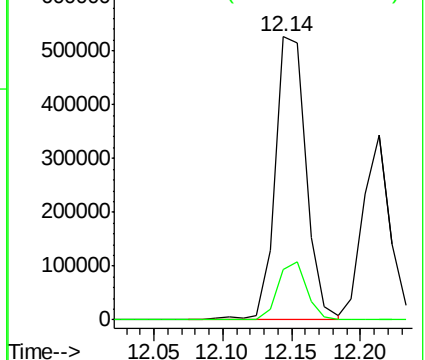
91 100

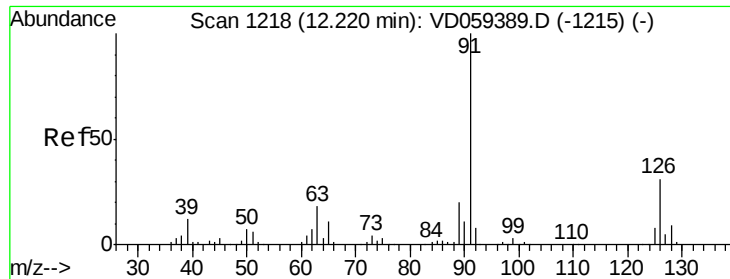
120 18.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

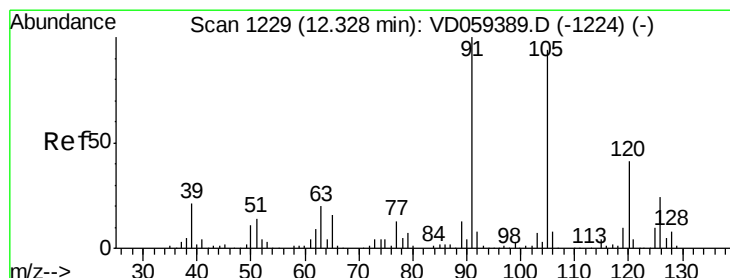
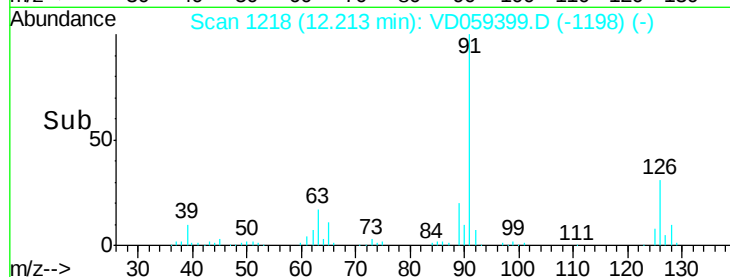
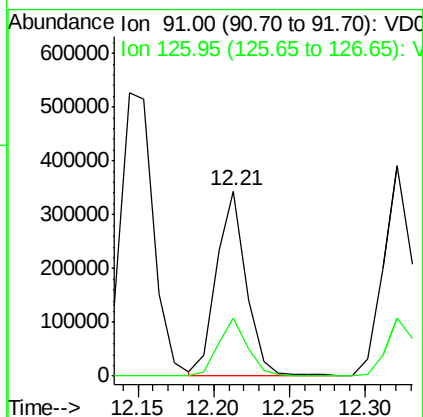
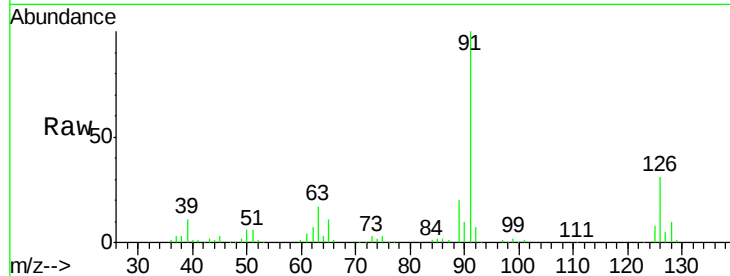




#79
 2-Chlorotoluene
 Concen: 22.57 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

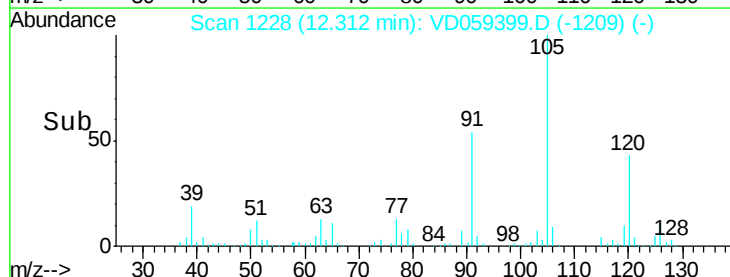
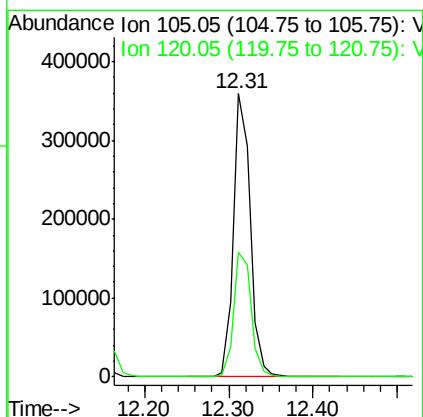
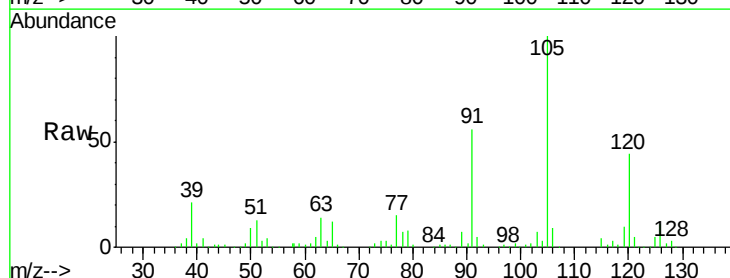
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

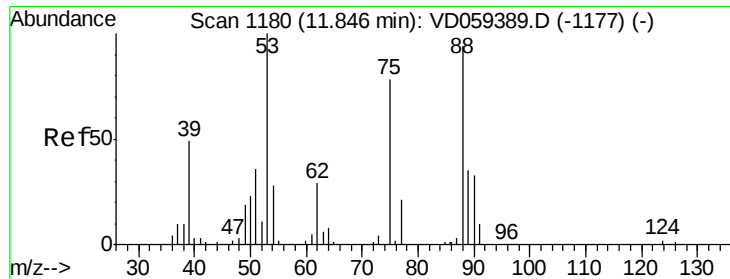
Tot Ion: 91 Resp: 469680
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.41 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: 21.88 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

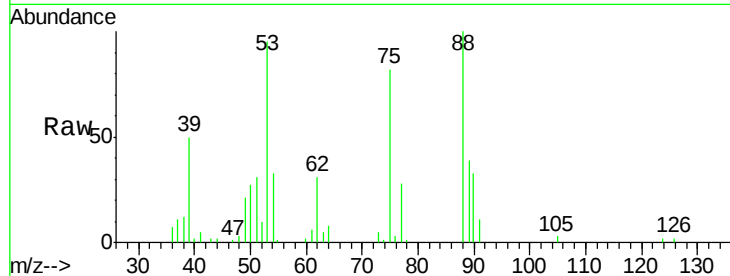
Tot Ion: 75 Resp: 34015

Ion Ratio Lower Upper

75 100

53 115.8 102.6 154.0

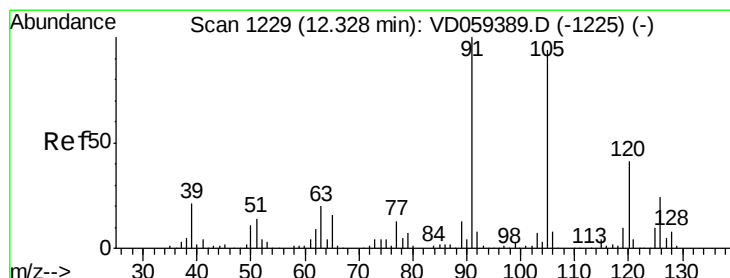
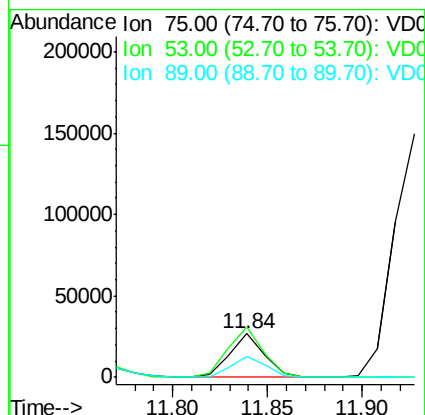
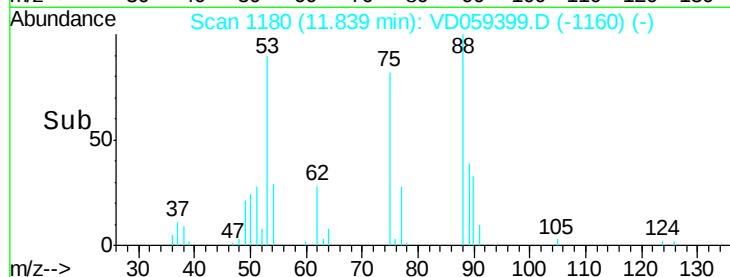
89 48.2 35.9 53.9



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: 22.14 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059399.D

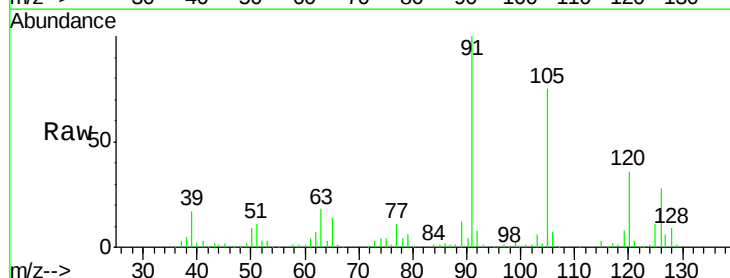
Acq: 25 Jun 2018 15:19

Tgt Ion: 91 Resp: 522433

Ion Ratio Lower Upper

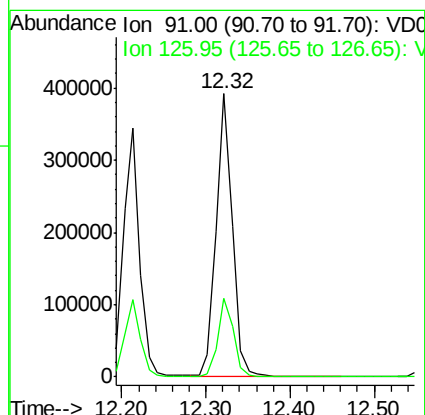
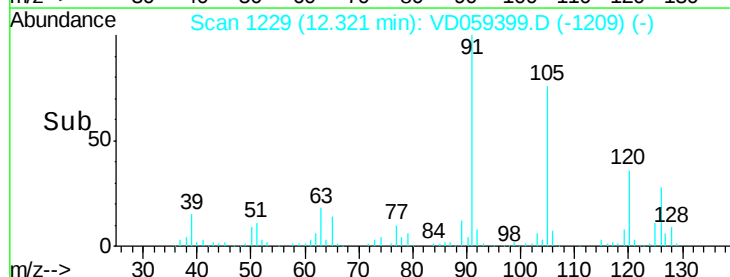
91 100

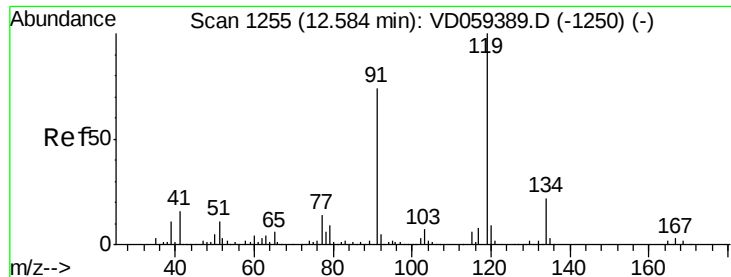
126 27.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

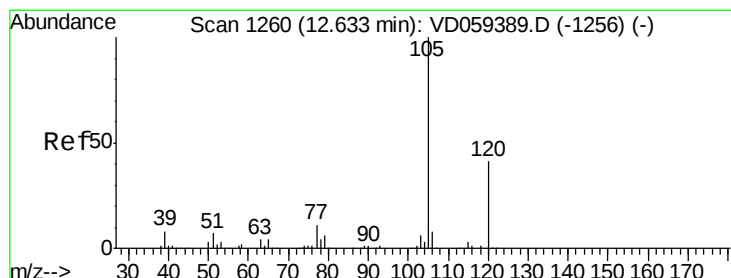
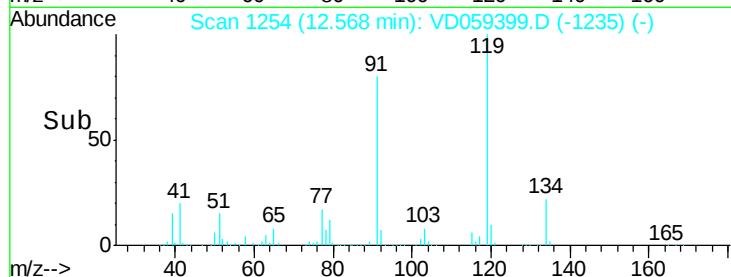
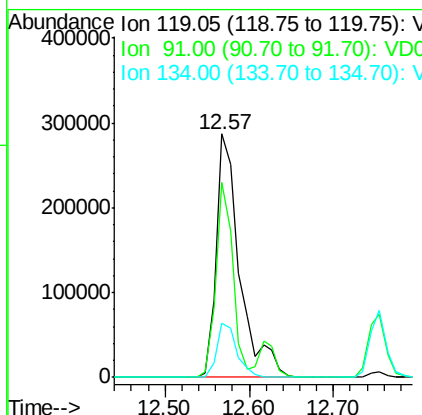
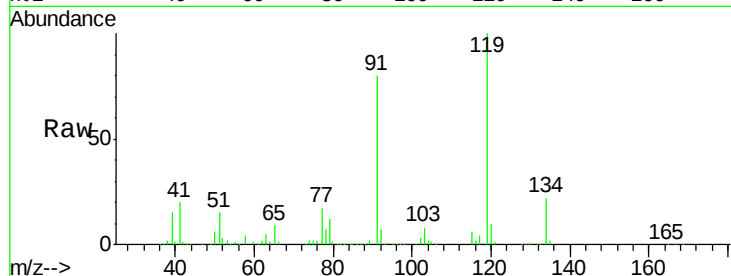




#83
 tert-Butylbenzene
 Concen: 23.36 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

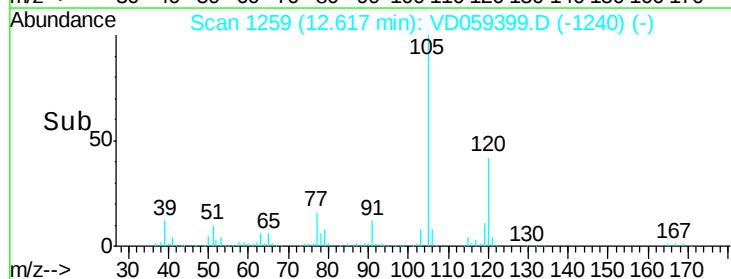
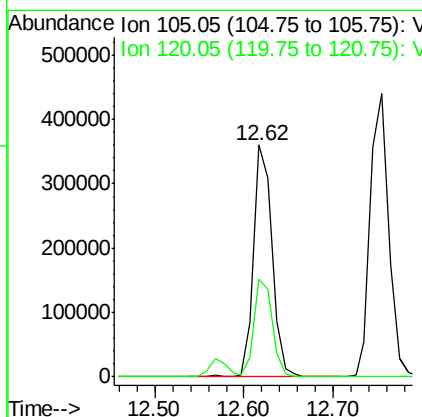
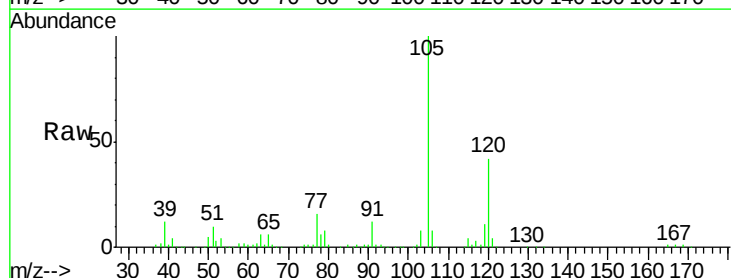
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

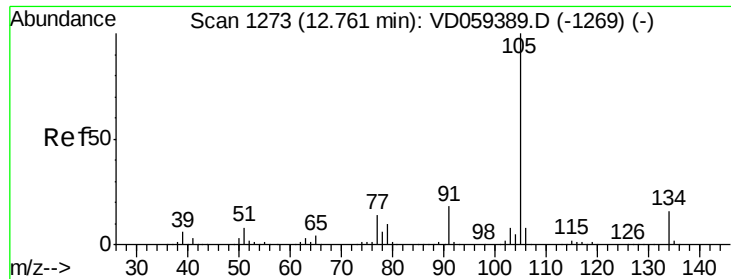
Tot Ion:119 Resp: 553597
 Ion Ratio Lower Upper
 119 100
 91 80.0 36.9 110.7
 134 22.2 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.81 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

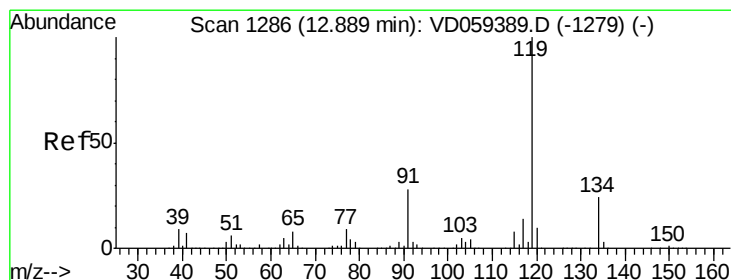
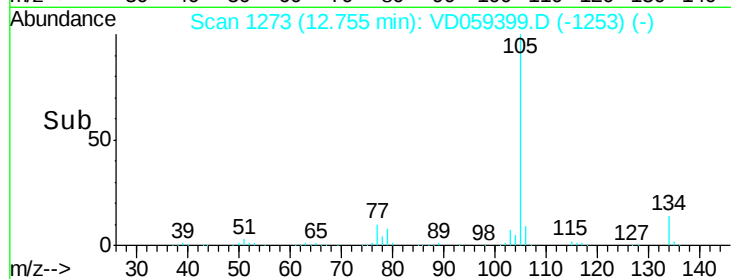
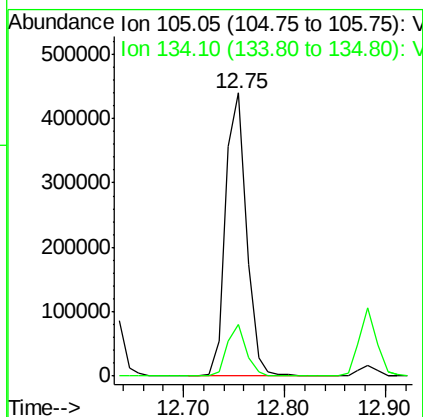
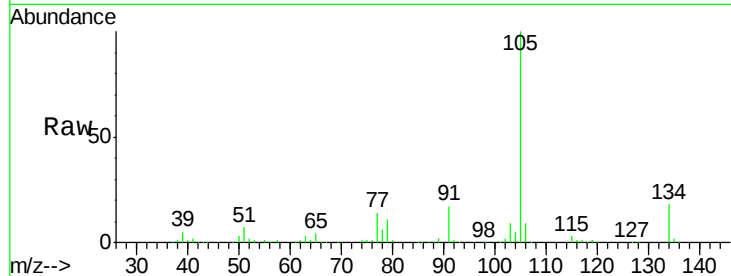




#85
 sec-Butylbenzene
 Concen: 21.78 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

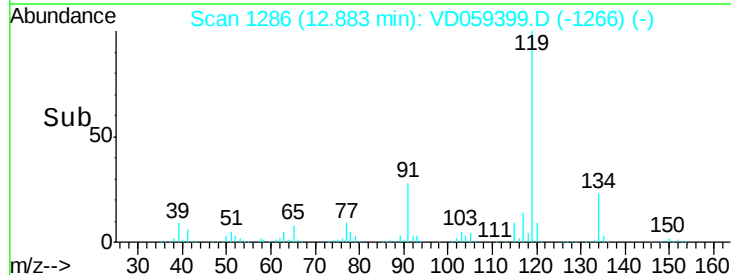
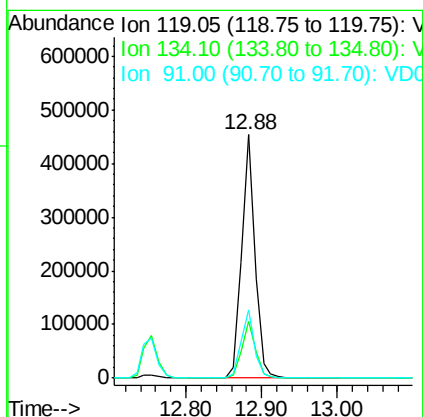
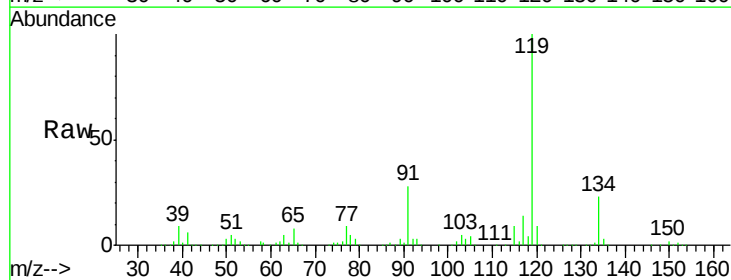
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0625SBSD02

Tot Ion:105 Resp: 633423
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 23.23 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

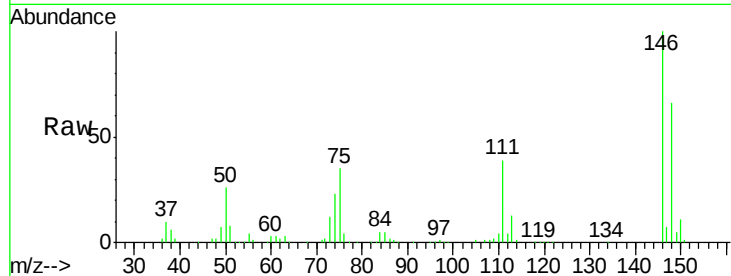




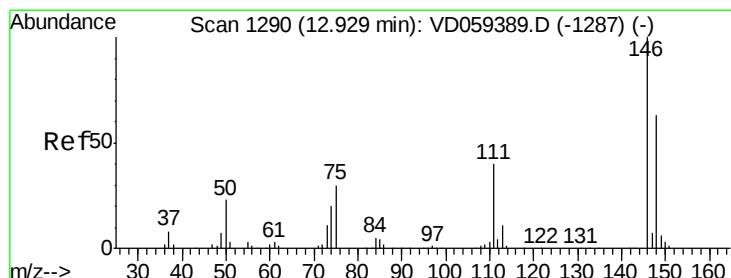
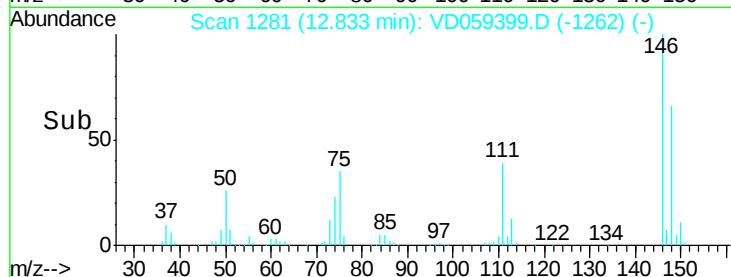
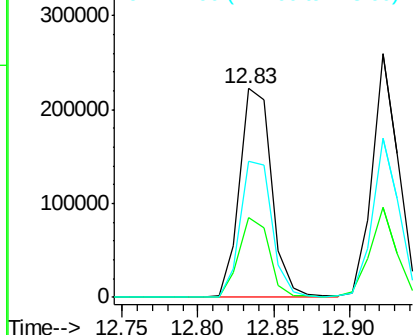
#87
 1,3-Dichlorobenzene
 Concen: 22.59 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.02 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

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

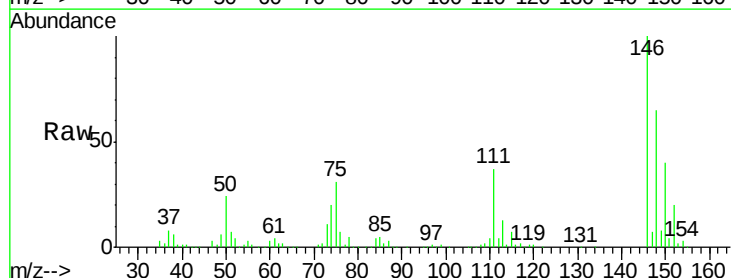


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

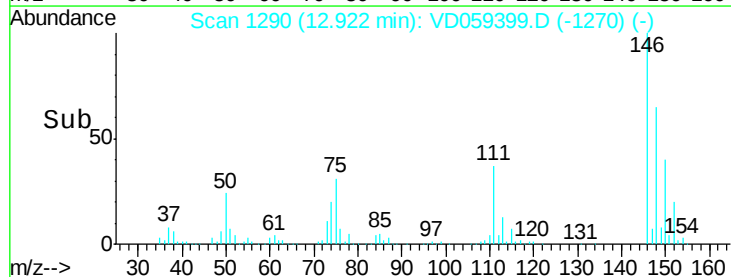
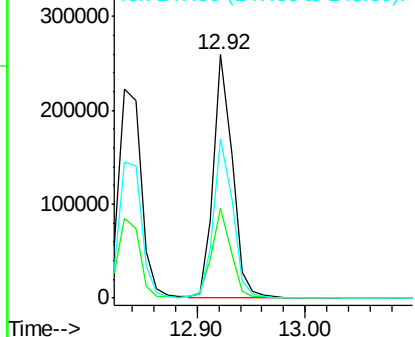


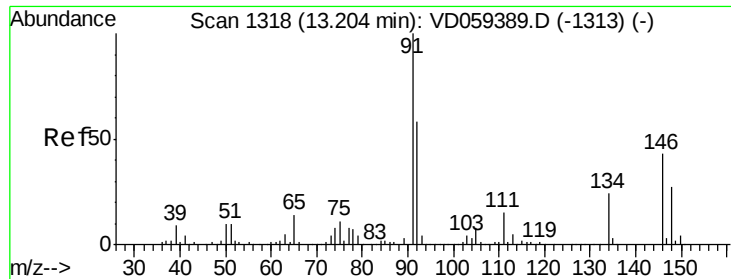
#88
 1,4-Dichlorobenzene
 Concen: 22.40 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

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

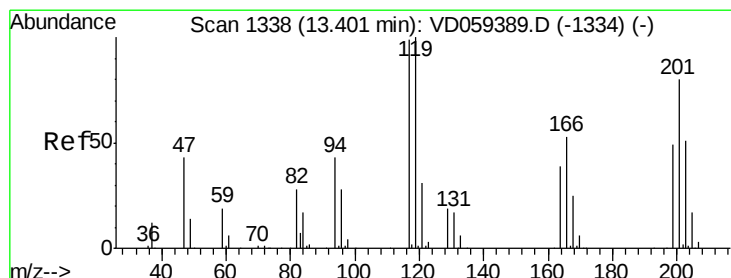
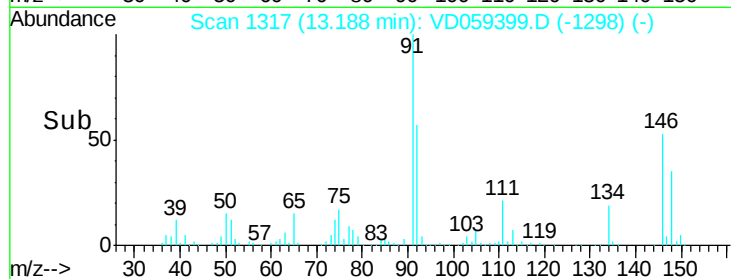
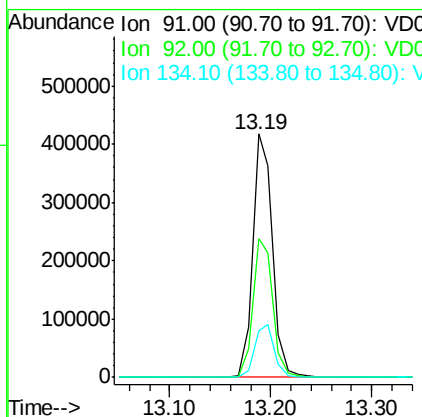
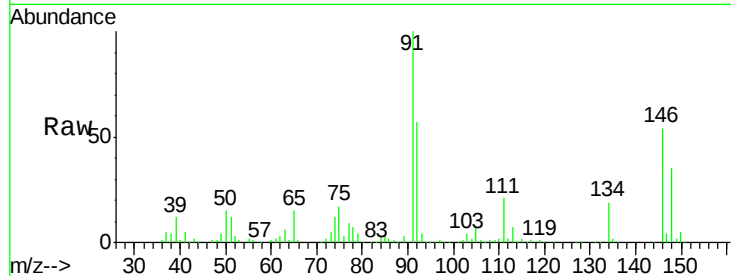




#89
n-Butylbenzene
Concen: 24.67 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

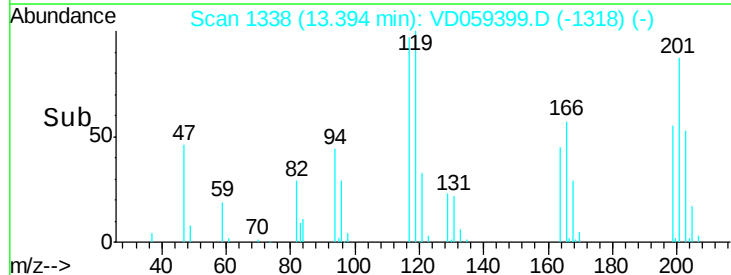
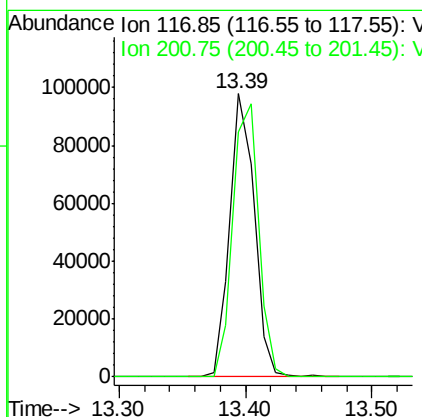
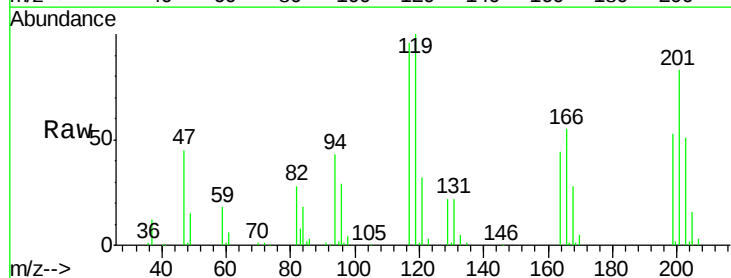
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD02

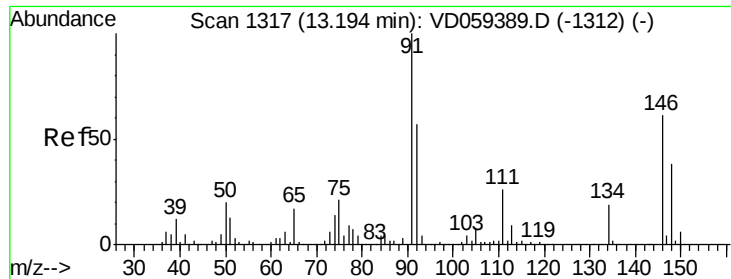
Tot Ion: 91 Resp: 570843
Ion Ratio Lower Upper
91 100
92 56.9 28.8 86.5
134 19.0 11.9 35.7



#90
Hexachloroethane
Concen: 22.48 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

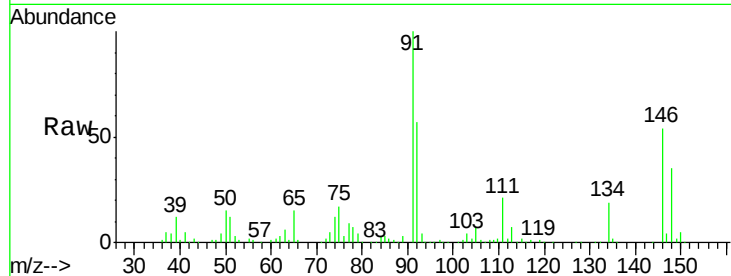




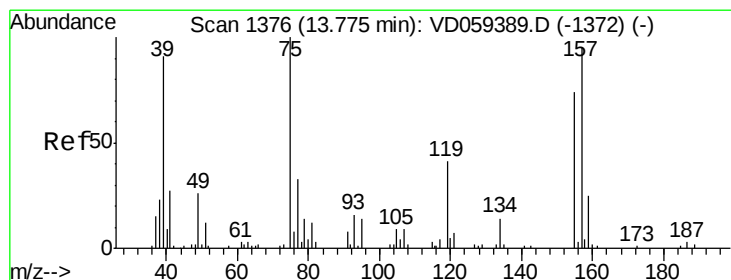
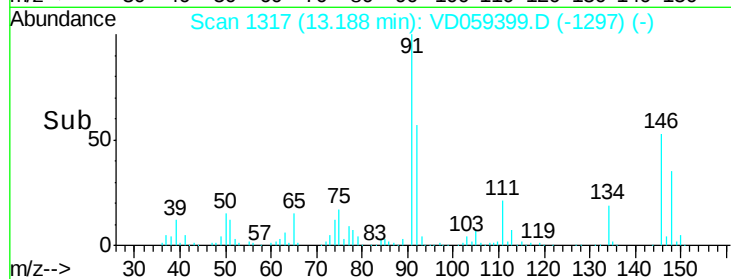
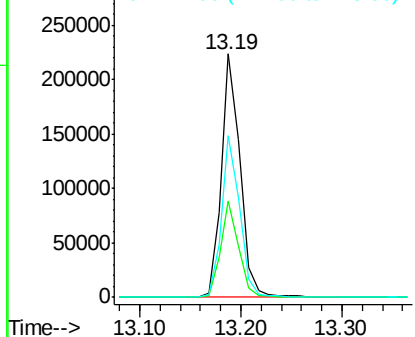
#91
 1,2-Dichlorobenzene
 Concen: 23.65 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

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

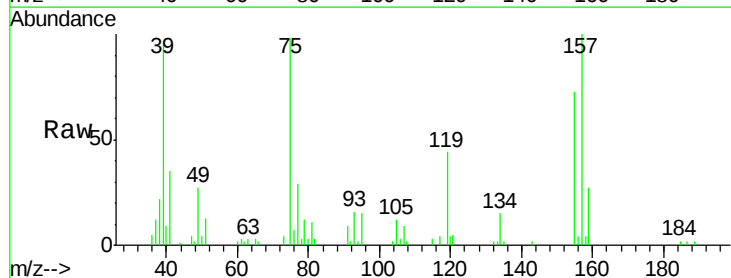


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

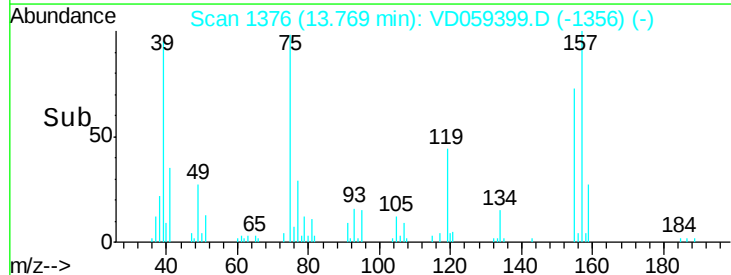
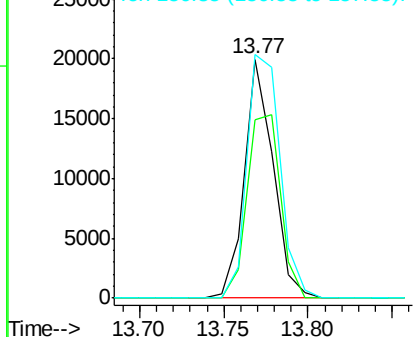


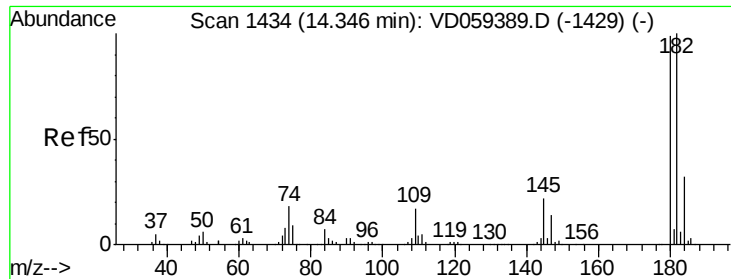
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.76 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

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



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

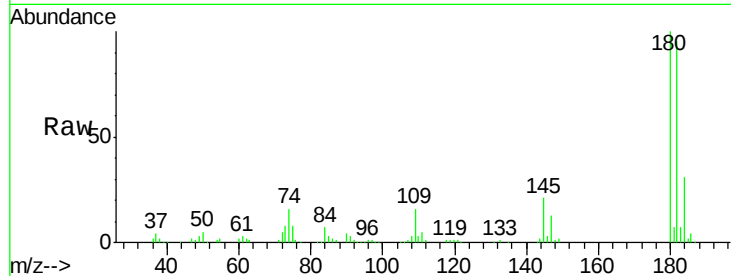




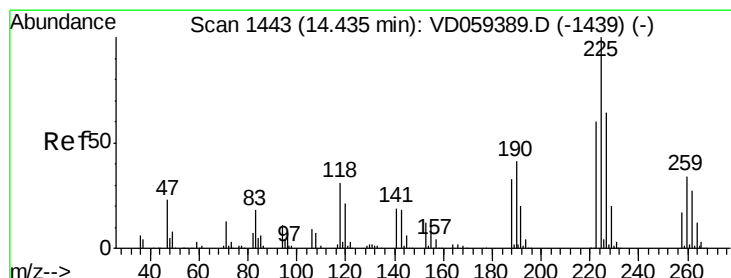
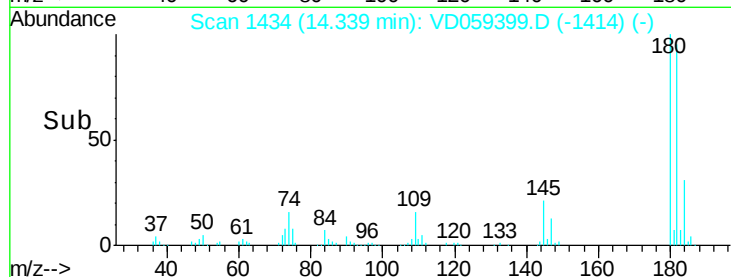
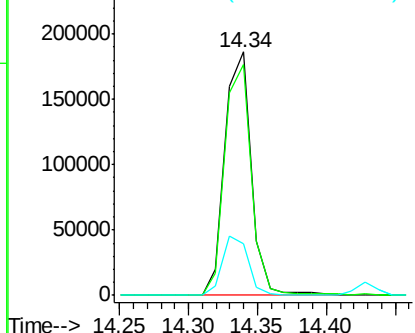
#93
 1,2,4-Trichlorobenzene
 Concen: 21.91 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD02

Tot Ion:180 Resp: 248840
 Ion Ratio Lower Upper
 180 100
 182 94.6 50.4 151.2
 145 21.3 11.0 33.0

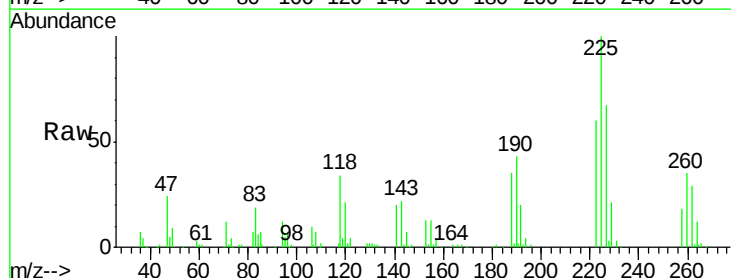


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

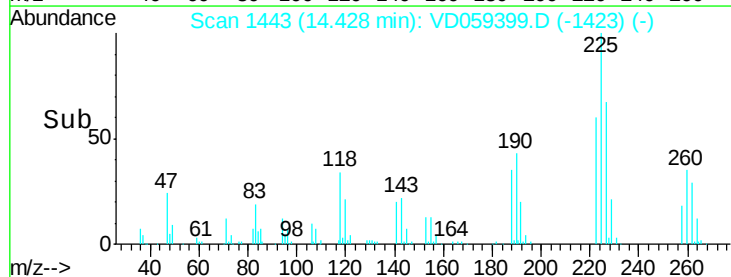
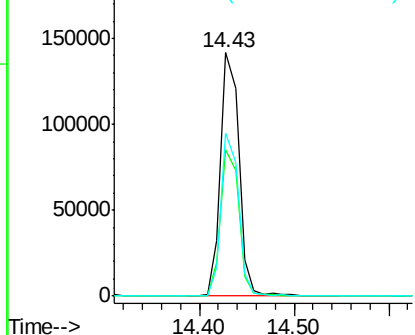


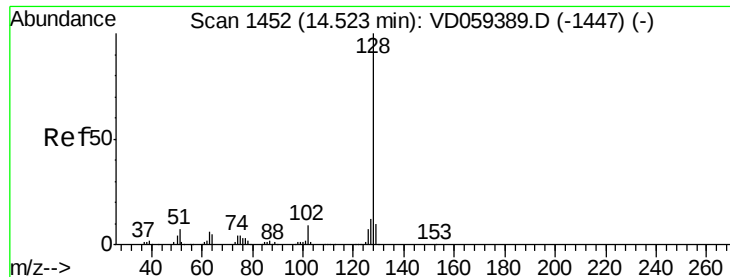
#94
 Hexachlorobutadiene
 Concen: 22.50 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD059399.D
 Acq: 25 Jun 2018 15:19

Tgt Ion:225 Resp: 192263
 Ion Ratio Lower Upper
 225 100
 223 60.2 30.0 90.1
 227 67.0 32.1 96.5



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

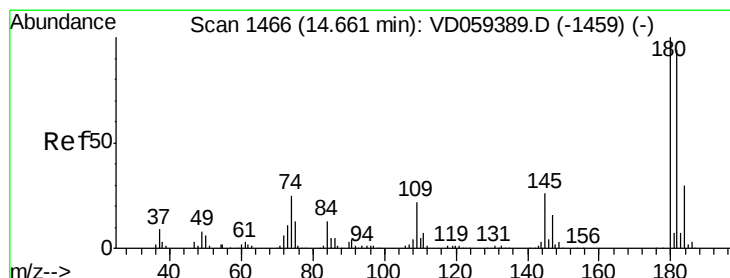
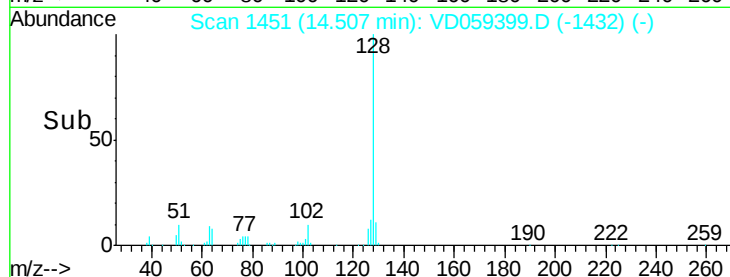
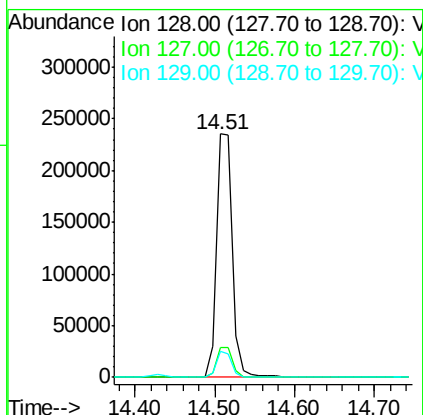
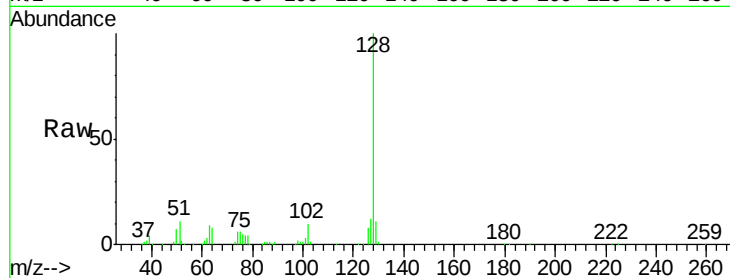




#95
Naphthalene
Concen: 20.90 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.02 min
Lab File: VD059399.D
Acq: 25 Jun 2018 15:19

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: 22.10 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

