

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058365.D
 Acq On : 24 Jun 2018 12:08
 Operator : VA/AP
 Sample : VD0624SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

Quant Time: Jun 25 04:00:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	956013	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1245262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	964129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	495741	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	504048	52.20	ug/l	0.02
Spiked Amount			Recovery	=	104.40%	
35) Dibromofluoromethane	5.56	113	533330	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	8.72	98	1278343	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	11.94	95	506923	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	236619	24.33	ug/l	96
3) Chloromethane	1.50	50	127300	28.65	ug/l	98
4) Vinyl Chloride	1.56	62	120628	24.09	ug/l	95
5) Bromomethane	1.80	94	42326	22.66	ug/l	100
6) Chloroethane	1.89	64	41503	21.23	ug/l	96
7) Trichlorofluoromethane	2.09	101	160624	23.39	ug/l	94
8) Diethyl Ether	2.36	74	33940	23.37	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.57	101	101186	23.18	ug/l	99
10) Methyl Iodide	2.70	142	113756	22.91	ug/l #	93
11) Tert butyl alcohol	3.27	59	31309	98.31	ug/l	97
12) 1,1-Dichloroethene	2.56	96	80741	24.58	ug/l	98
13) Acrolein	2.49	56	17530	96.42	ug/l	94
14) Allyl chloride	2.93	41	180064	23.55	ug/l	97
15) Acrylonitrile	3.37	53	151073	178.89	ug/l	95
16) Acetone	2.62	43	149587	113.27	ug/l #	88
17) Carbon Disulfide	2.76	76	249942	22.37	ug/l	99
18) Methyl Acetate	2.95	43	56264	19.98	ug/l #	91
19) Methyl tert-butyl Ether	3.41	73	360986	41.44	ug/l	99
20) Methylene Chloride	3.08	84	87158	22.68	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	179627	50.04	ug/l	87
22) Diisopropyl ether	4.08	45	655188	21.58	ug/l	96
23) Vinyl Acetate	4.03	43	1712710	105.23	ug/l	99
24) 1,1-Dichloroethane	3.98	63	372103	22.75	ug/l	96
25) 2-Butanone	4.85	43	295610	102.70	ug/l	99
26) 2,2-Dichloropropane	4.81	77	320470	23.40	ug/l	95
27) cis-1,2-Dichloroethene	4.81	96	225070	25.09	ug/l	89
28) Bromochloromethane	5.15	49	162886	22.21	ug/l #	94
29) Tetrahydrofuran	5.19	42	149515	97.59	ug/l	95
30) Chloroform	5.33	83	405811	23.50	ug/l	93
31) Cyclohexane	5.61	56	296252	22.02	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	332152	23.28	ug/l	100
36) 1,1-Dichloropropene	5.75	75	285609	23.18	ug/l	95
37) Ethyl Acetate	4.94	43	143418	20.43	ug/l #	95
38) Carbon Tetrachloride	5.74	117	277602	22.68	ug/l	97

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 Sample : VD0624SBS01
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Quant Time: Jun 25 04:00:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	275010	22.92	ug/l	95
40) Benzene	6.02	78	638855	21.77	ug/l	98
41) Methacrylonitrile	5.14	41	71940	21.23	ug/l	98
42) 1,2-Dichloroethane	6.14	62	267634	22.62	ug/l	99
43) Isopropyl Acetate	7.63	43	186011	19.88	ug/l	97
44) Trichloroethene	7.00	130	229770	26.08	ug/l	91
45) 1,2-Dichloropropane	7.36	63	174820	22.12	ug/l	93
46) Dibromomethane	7.47	93	120437	22.32	ug/l	92
47) Bromodichloromethane	7.75	83	271653	22.08	ug/l	99
48) Methyl methacrylate	7.52	41	115205	20.26	ug/l	97
49) 1,4-Dioxane	7.50	88	23458	456.94	ug/l #	87
51) 4-Methyl-2-Pentanone	8.61	43	642894	105.33	ug/l	99
52) Toluene	8.82	92	374052	22.39	ug/l	97
53) t-1,3-Dichloropropene	9.20	75	236829	22.14	ug/l	97
54) cis-1,3-Dichloropropene	8.37	75	279538	22.29	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	131023	22.16	ug/l	96
56) Ethyl methacrylate	9.33	69	147296	20.83	ug/l	95
57) 1,3-Dichloropropane	9.67	76	212290	21.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.20	63	380731	108.78	ug/l	98
59) 2-Hexanone	9.79	43	476787	108.11	ug/l	98
60) Dibromochloromethane	9.97	129	172757	21.53	ug/l	97
61) 1,2-Dibromoethane	10.11	107	143932	22.24	ug/l	98
64) Tetrachloroethene	9.53	164	199128	24.55	ug/l	98
65) Chlorobenzene	10.74	112	446915	24.78	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	168102	24.15	ug/l	99
67) Ethyl Benzene	10.86	91	781749	24.55	ug/l	99
68) m/p-Xylenes	11.01	106	522105	49.17	ug/l	97
69) o-Xylene	11.42	106	252050	24.85	ug/l	98
70) Styrene	11.44	104	415885	24.03	ug/l	97
71) Bromoform	11.60	173	123795	22.30	ug/l #	95
73) Isopropylbenzene	11.78	105	741483	25.01	ug/l	98
74) N-amyl acetate	11.65	43	248957	21.71	ug/l	99
75) 1,1,1,2-Tetrachloroethane	12.08	83	143885	20.85	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	154264	21.31	ug/l	100
77) Bromobenzene	12.05	156	216557	24.39	ug/l	88
78) n-propylbenzene	12.15	91	937860	24.49	ug/l	96
79) 2-Chlorotoluene	12.22	91	529444	24.16	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	579015	25.04	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	37391	21.18	ug/l	86
82) 4-Chlorotoluene	12.33	91	624184	26.69	ug/l	91
83) tert-Butylbenzene	12.58	119	638727	24.02	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	607068	24.15	ug/l	99
85) sec-Butylbenzene	12.76	105	764687	24.53	ug/l	98
86) p-Isopropyltoluene	12.89	119	641676	25.41	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	362718	23.50	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	359317	23.84	ug/l	95
89) n-Butylbenzene	13.20	91	635349	23.93	ug/l	97
90) Hexachloroethane	13.40	117	152362	23.24	ug/l	80
91) 1,2-Dichlorobenzene	13.20	146	305773	23.28	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.78	75	22156	20.17	ug/l	78

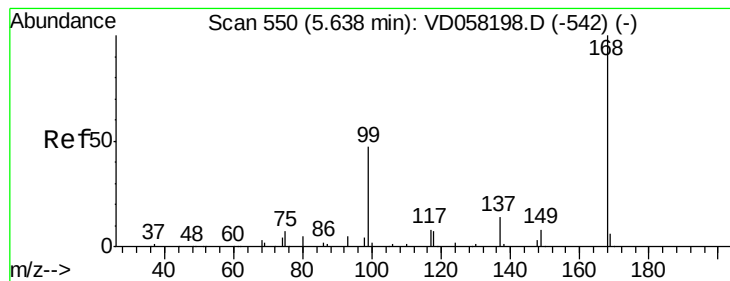
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062418\
Data File : VD058365.D
Acq On : 24 Jun 2018 12:08
Operator : VA/AP
Sample : VD0624SBS01
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Jun 25 04:00:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	285760	22.75	ug/l	96
94) Hexachlorobutadiene	14.44	225	221942	22.59	ug/l	95
95) Naphthalene	14.52	128	361621	21.86	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	243286	22.12	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

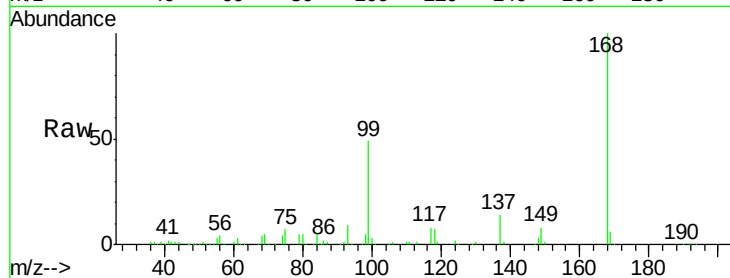
VD0624SBS01

Tot Ion:168 Resp: 956013

Ion Ratio Lower Upper

168 100

99 49.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

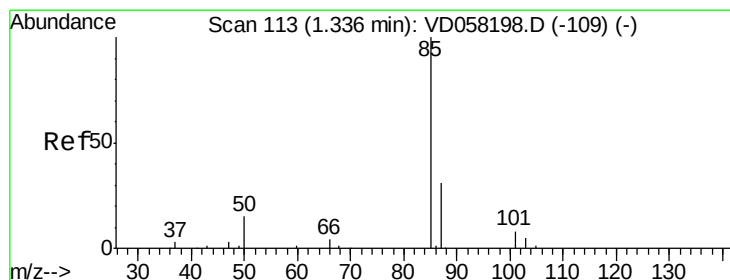
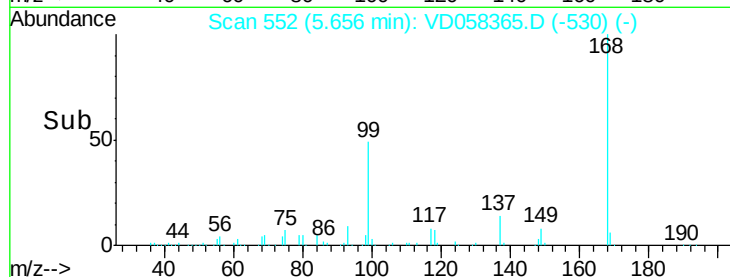
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.33 ug/l

RT: 1.34 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058365.D

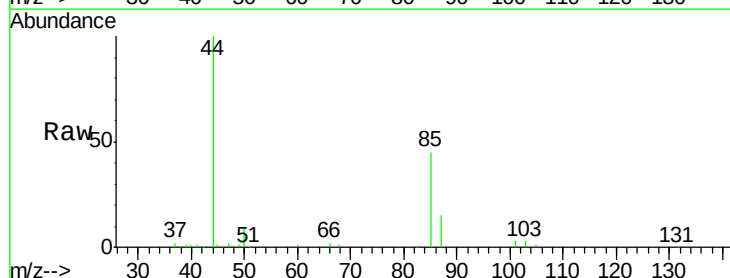
Acq: 24 Jun 2018 12:08

Tgt Ion: 85 Resp: 236619

Ion Ratio Lower Upper

85 100

87 33.5 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.34

80000

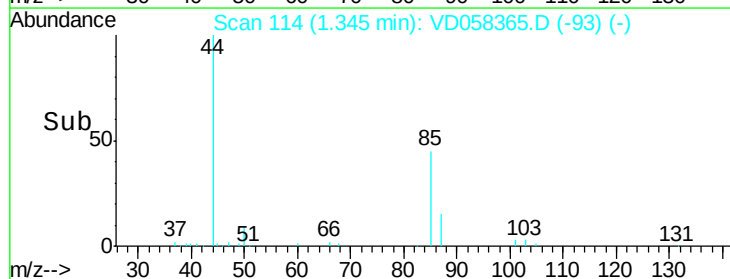
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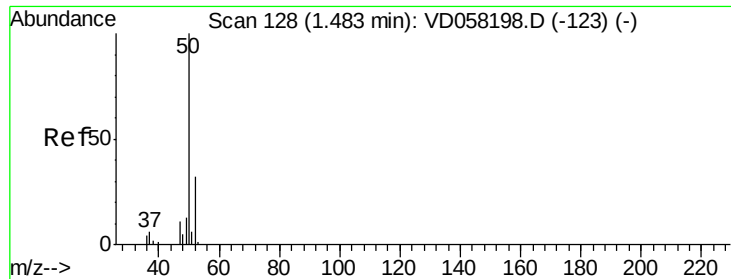
40000

20000

0

Time-->





#3

Chloromethane

Concen: 28.65 ug/l

RT: 1.50 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

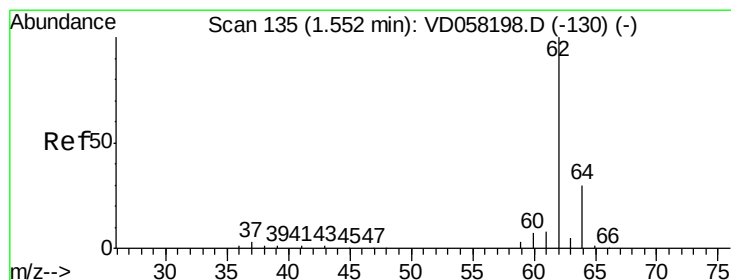
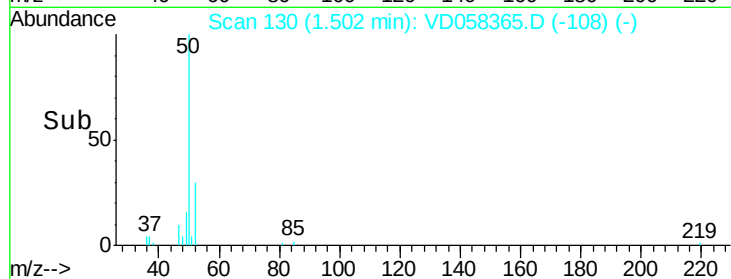
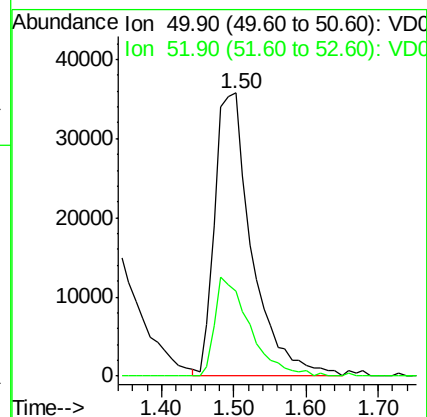
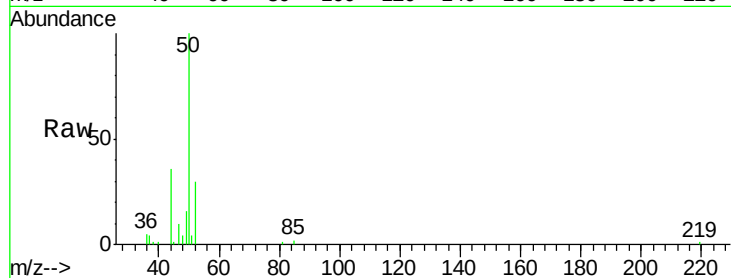
VD0624SBS01

Tot Ion: 50 Resp: 127300

Ion Ratio Lower Upper

50 100

52 30.1 25.0 37.4



#4

Vinyl Chloride

Concen: 24.09 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058365.D

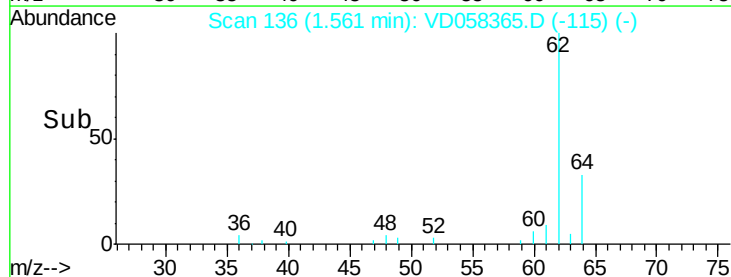
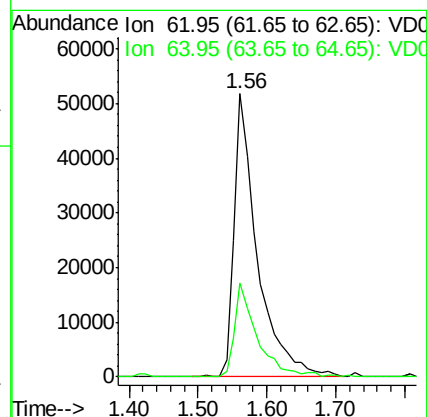
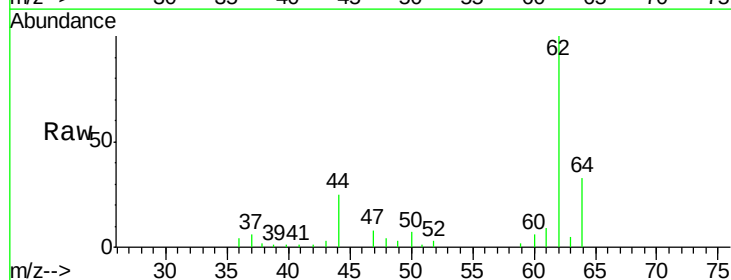
Acq: 24 Jun 2018 12:08

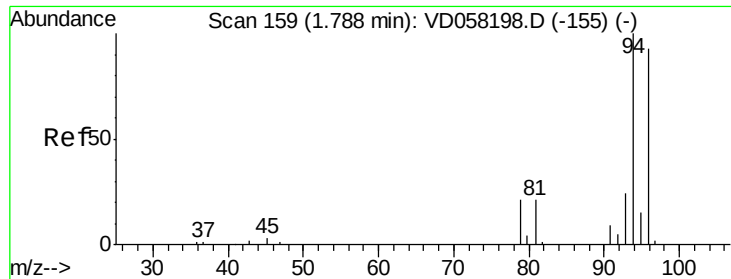
Tgt Ion: 62 Resp: 120628

Ion Ratio Lower Upper

62 100

64 33.0 24.4 36.6





#5

Bromomethane

Concen: 22.66 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

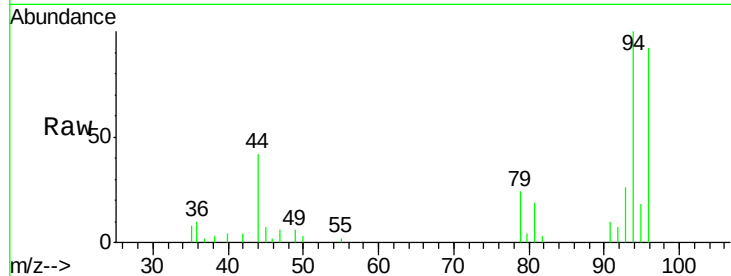
VD0624SBS01

Tot Ion: 94 Resp: 42326

Ion Ratio Lower Upper

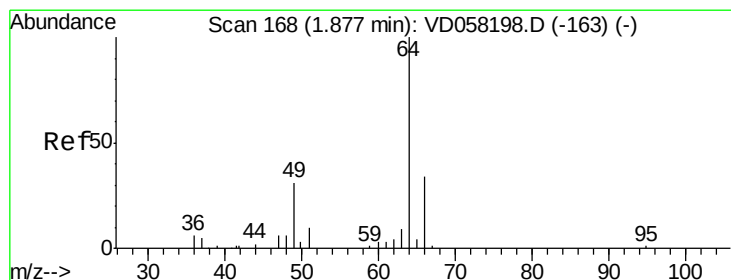
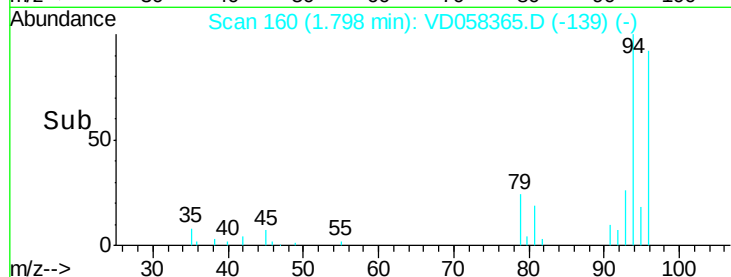
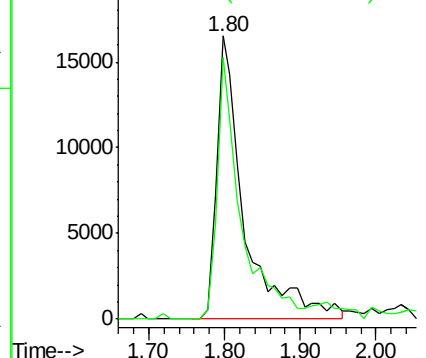
94 100

96 92.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.23 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058365.D

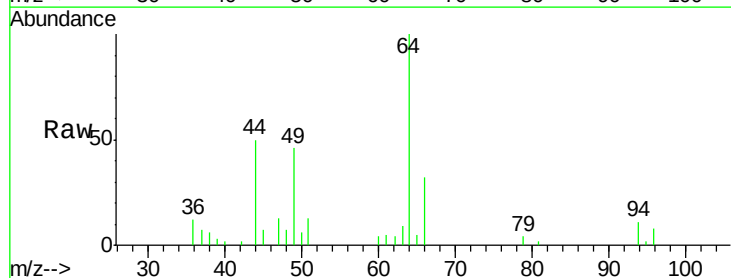
Acq: 24 Jun 2018 12:08

Tgt Ion: 64 Resp: 41503

Ion Ratio Lower Upper

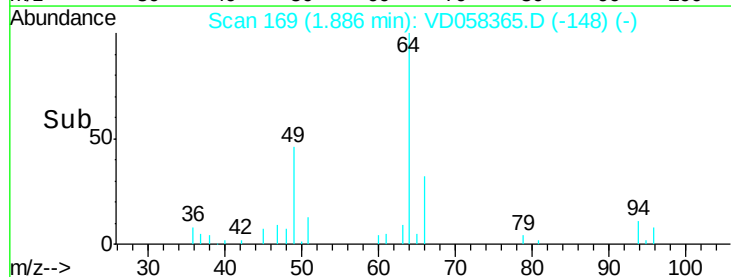
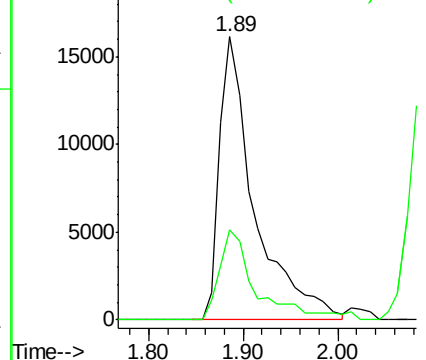
64 100

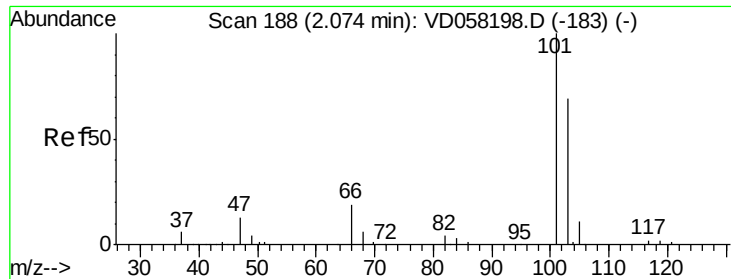
66 32.0 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



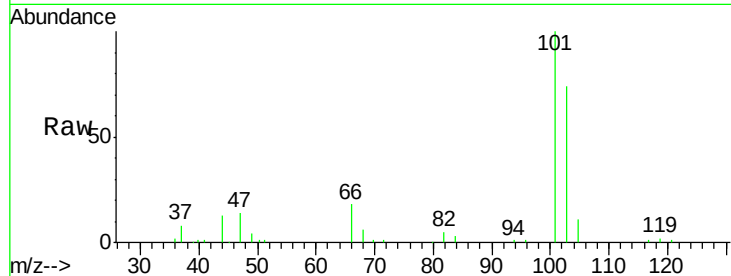


#7

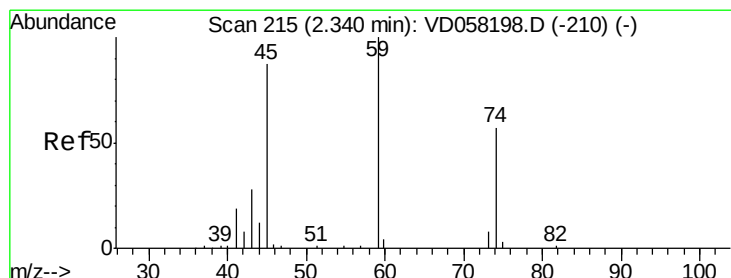
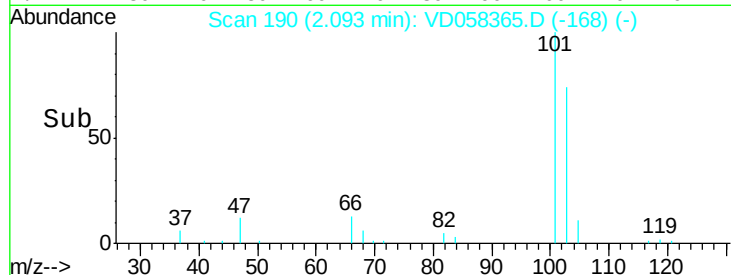
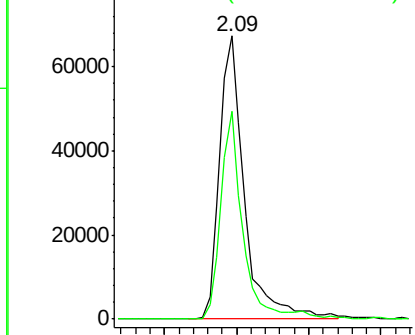
Trichlorofluoromethane
 Concen: 23.39 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

Tot Ion:101 Resp: 160624
 Ion Ratio Lower Upper
 101 100
 103 73.5 55.1 82.7



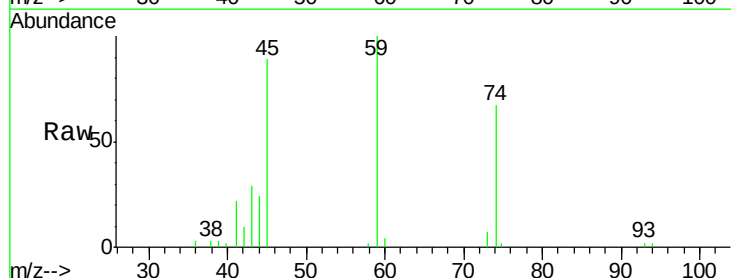
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



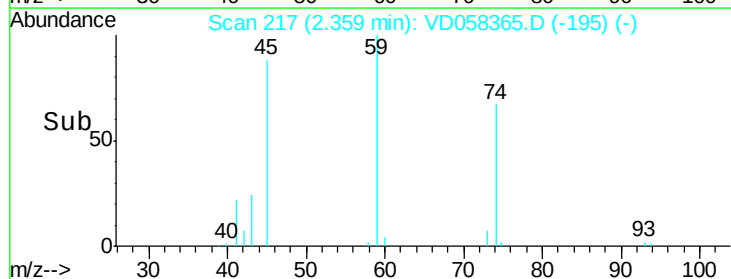
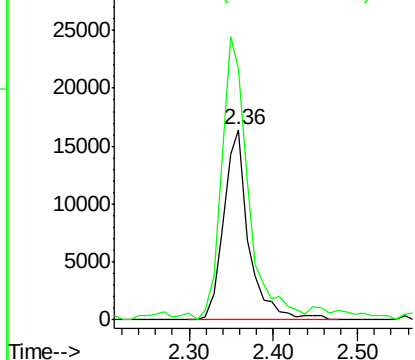
#8

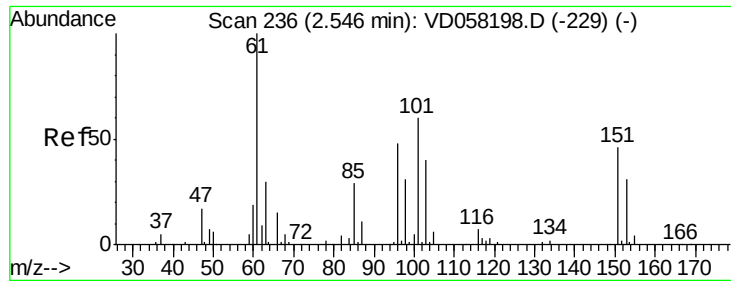
Diethyl Ether
 Concen: 23.37 ug/l
 RT: 2.36 min Scan# 217
 Delta R.T. 0.02 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 74 Resp: 33940
 Ion Ratio Lower Upper
 74 100
 45 132.2 77.5 232.6



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: 23.18 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

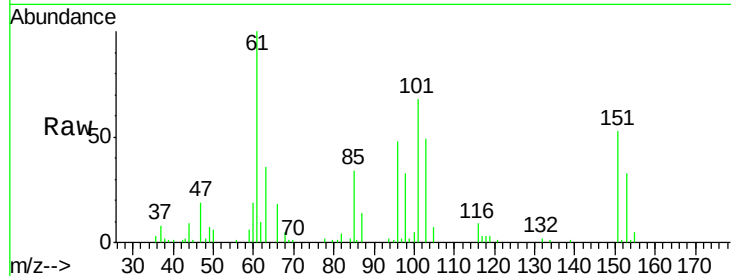
Tot Ion:101 Resp: 101186

Ion Ratio Lower Upper

101 100

85 49.4 39.0 58.4

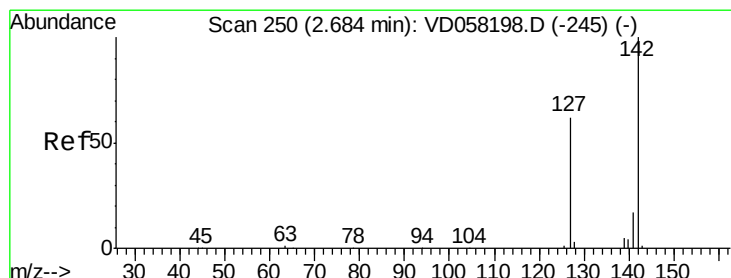
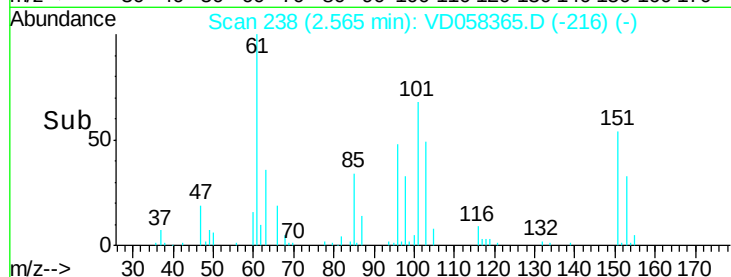
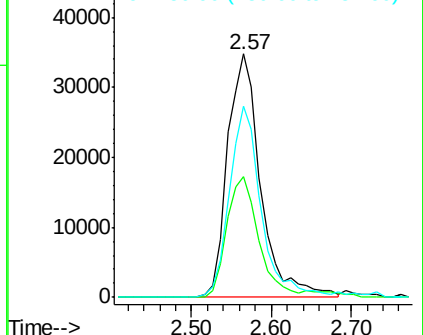
151 78.3 61.8 92.8



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: 22.91 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

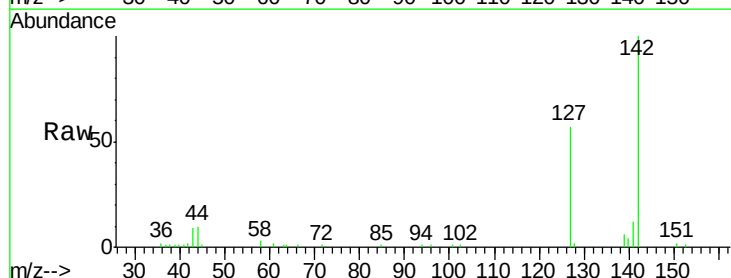
Tgt Ion:142 Resp: 113756

Ion Ratio Lower Upper

142 100

127 56.9 49.4 74.0

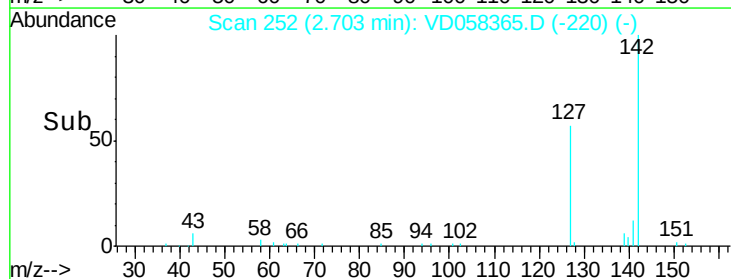
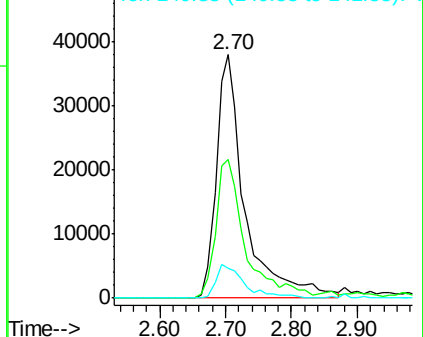
141 12.3 13.5 20.3#

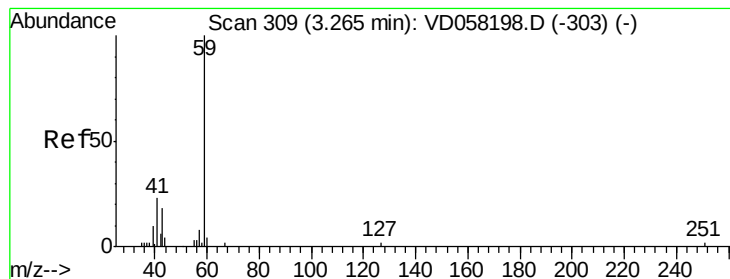


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 98.31 ug/l

RT: 3.27 min Scan# 310

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

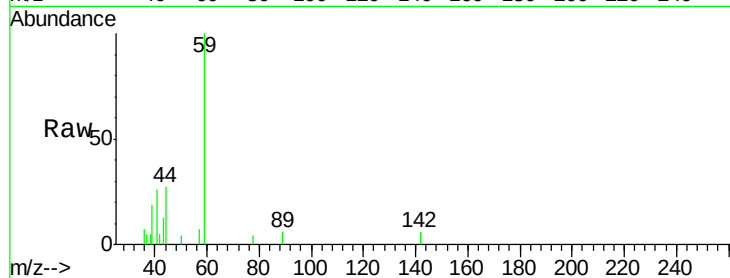
VD0624SBS01

Tot Ion: 59 Resp: 31309

Ion Ratio Lower Upper

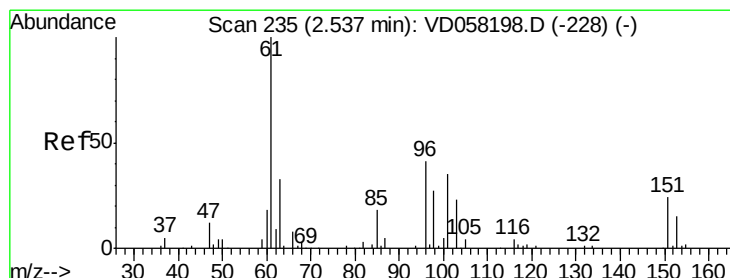
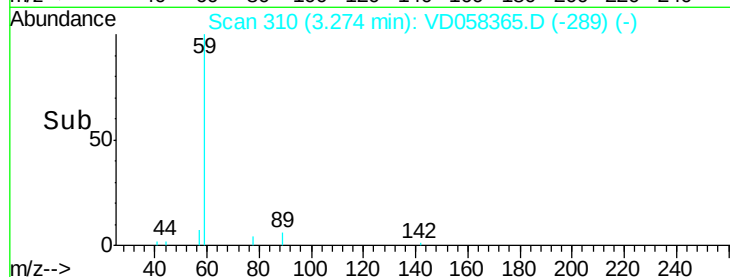
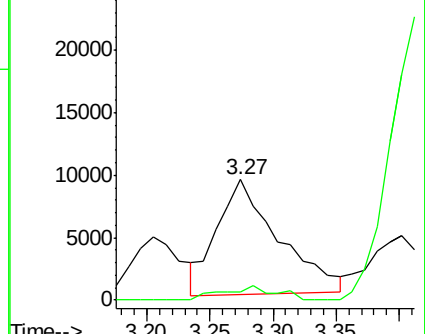
59 100

57 6.9 6.2 9.4



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 24.58 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

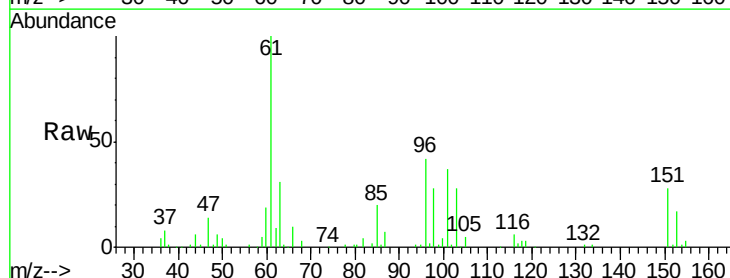
Tgt Ion: 96 Resp: 80741

Ion Ratio Lower Upper

96 100

61 238.4 193.9 290.9

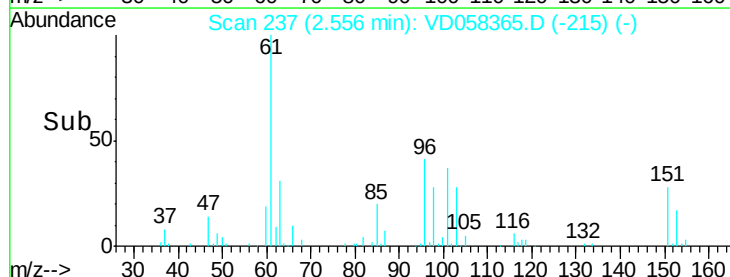
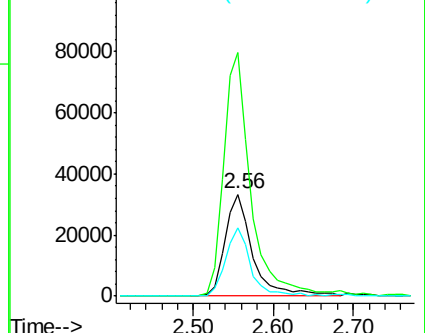
98 67.0 51.7 77.5

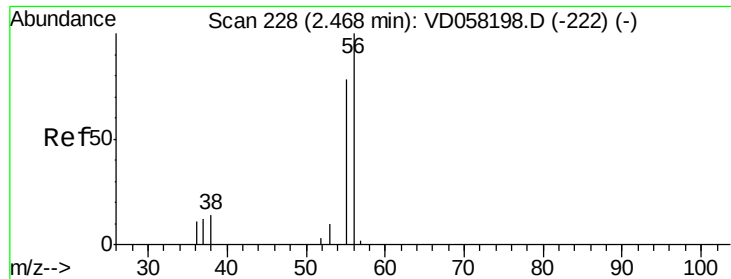


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

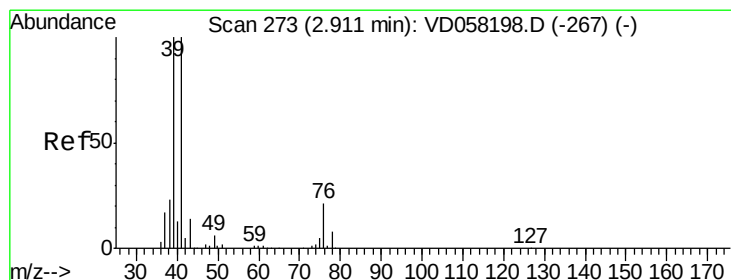
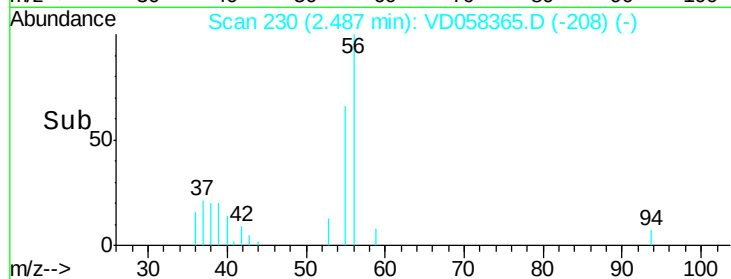
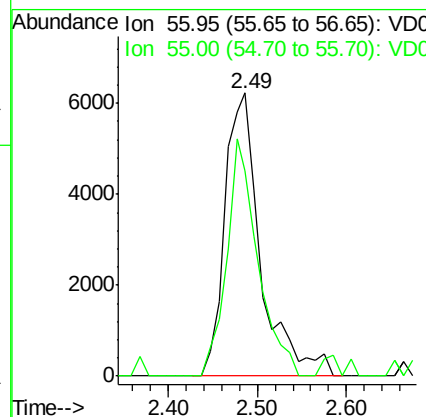
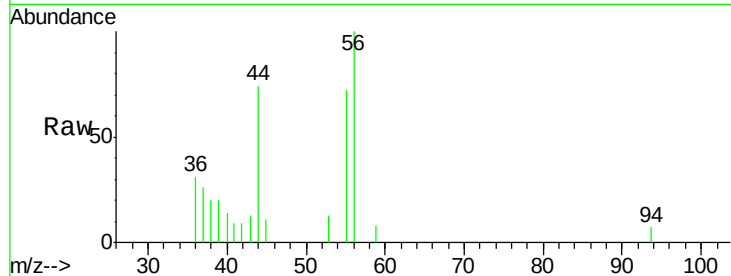




#13
Acrolein
Concen: 96.42 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

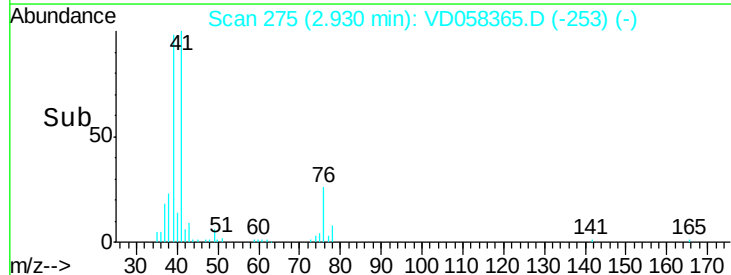
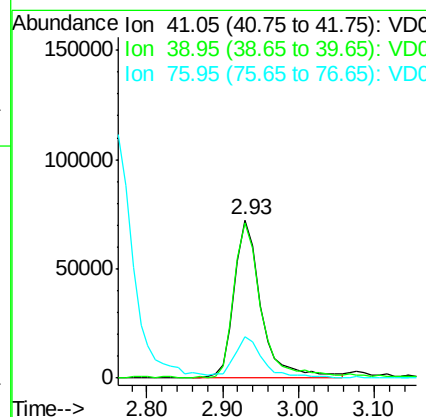
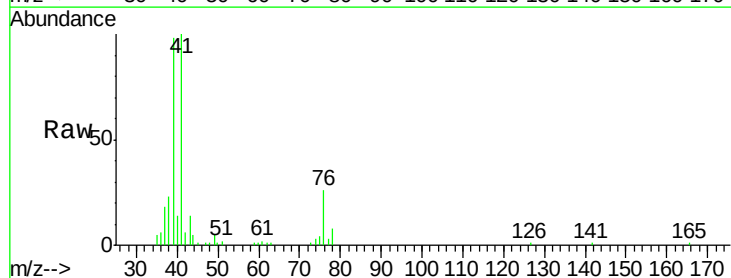
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

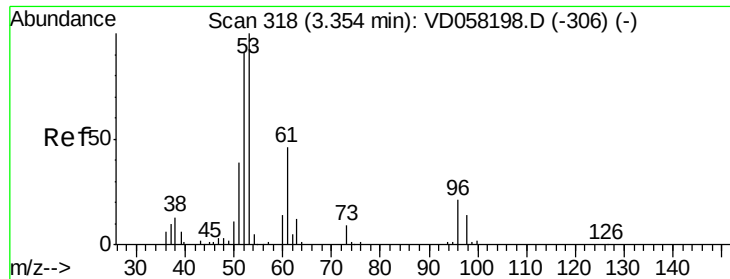
Tot Ion: 56 Resp: 17530
Ion Ratio Lower Upper
56 100
55 72.4 62.1 93.1



#14
Allyl chloride
Concen: 23.55 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 41 Resp: 180064
Ion Ratio Lower Upper
41 100
39 97.8 80.1 120.1
76 26.1 19.4 29.2





#15

Acrylonitrile

Concen: 178.89 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

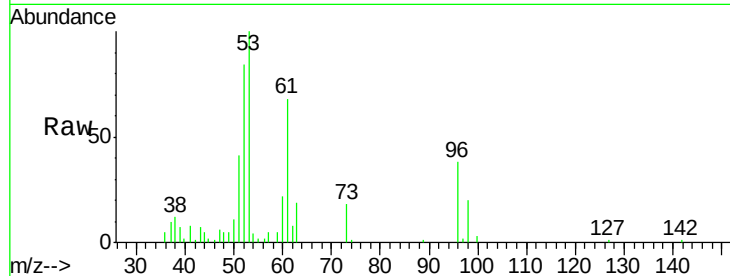
Tot Ion: 53 Resp: 151073

Ion Ratio Lower Upper

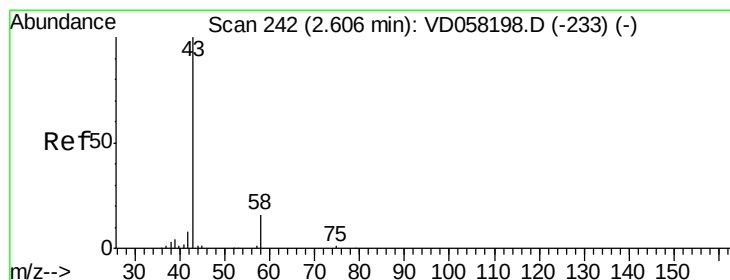
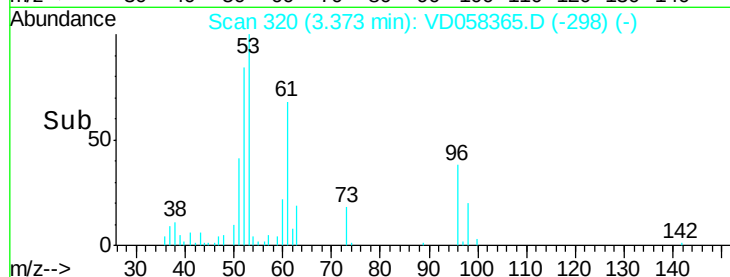
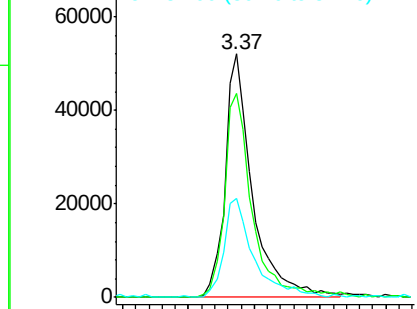
53 100

52 83.7 72.6 108.8

51 40.5 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: 113.27 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058365.D

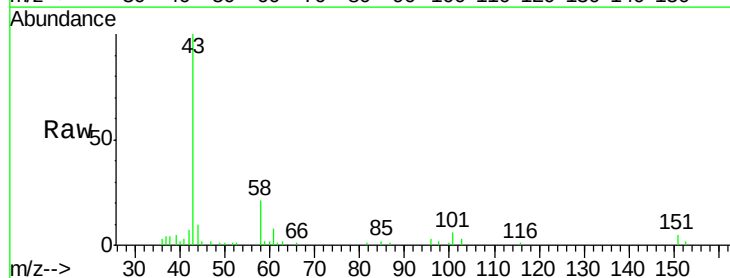
Acq: 24 Jun 2018 12:08

Tgt Ion: 43 Resp: 149587

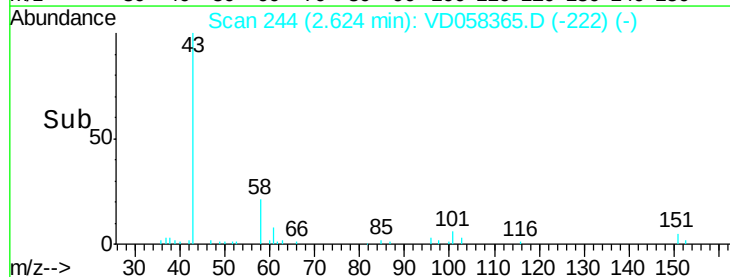
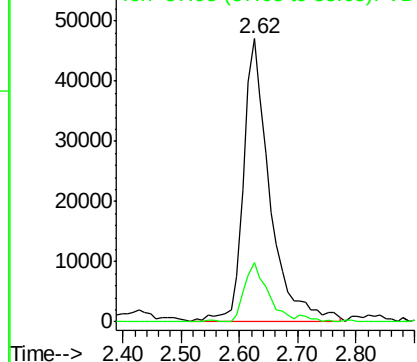
Ion Ratio Lower Upper

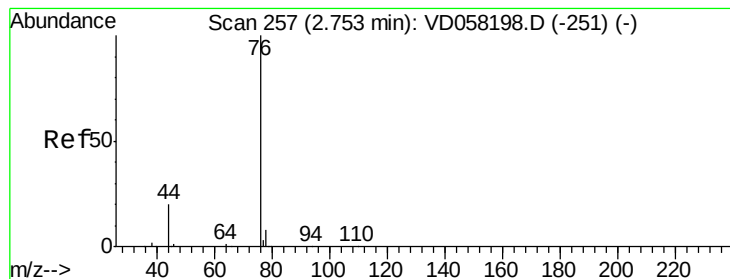
43 100

58 20.8 12.7 19.1#



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





#17

Carbon Disulfide

Concen: 22.37 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

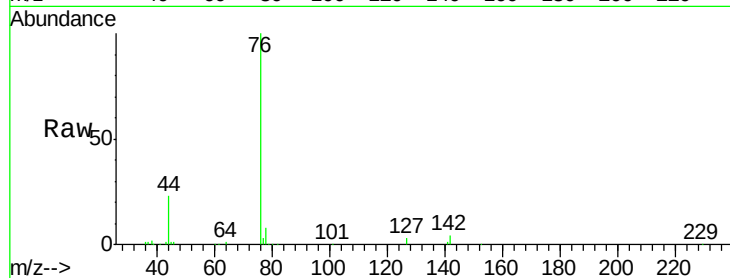
VD0624SBS01

Tot Ion: 76 Resp: 249942

Ion Ratio Lower Upper

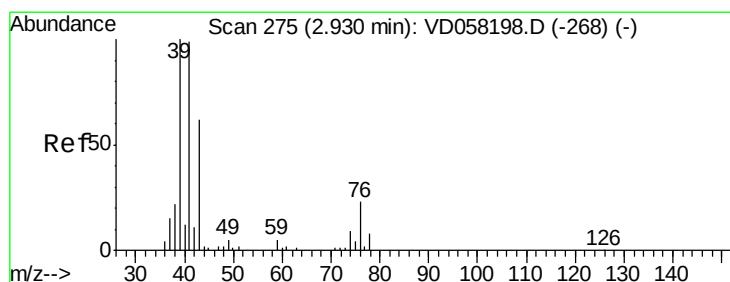
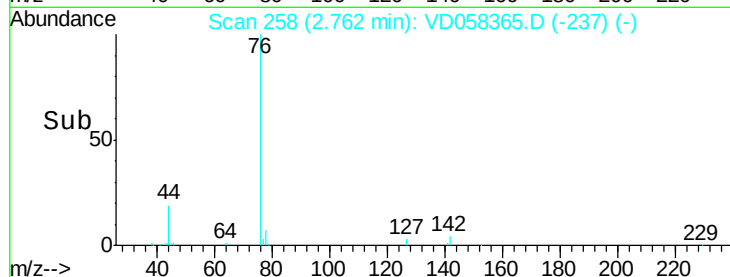
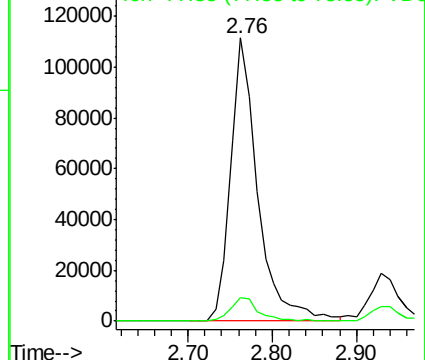
76 100

78 8.1 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.98 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058365.D

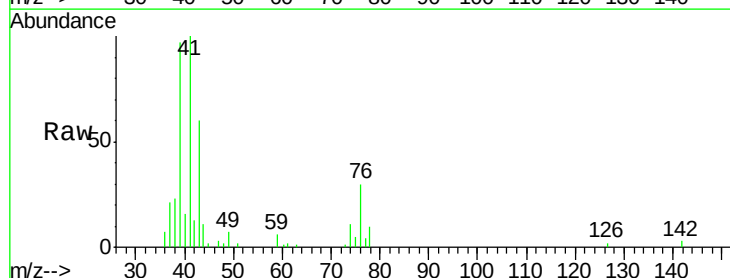
Acq: 24 Jun 2018 12:08

Tgt Ion: 43 Resp: 56264

Ion Ratio Lower Upper

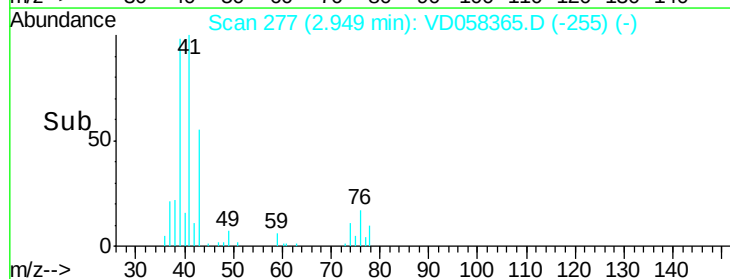
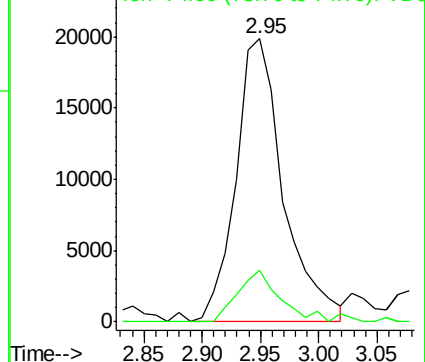
43 100

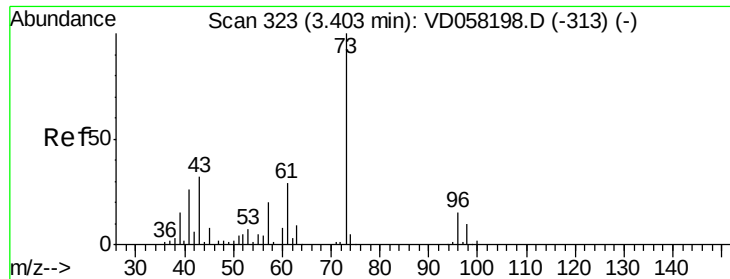
74 18.1 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



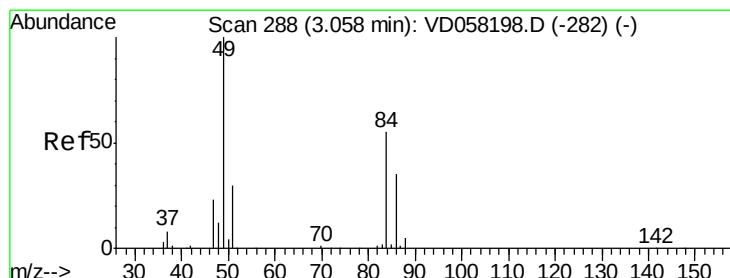
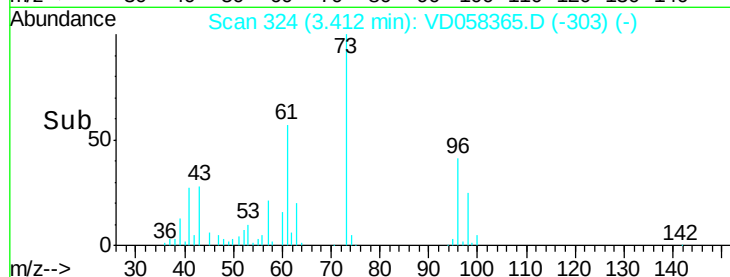
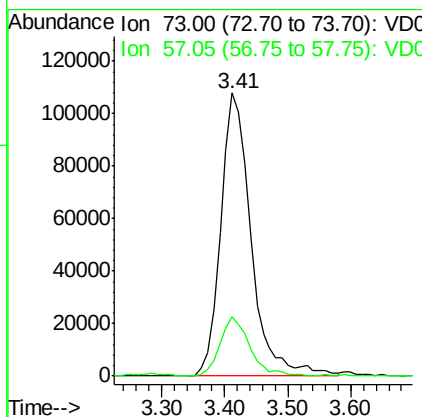
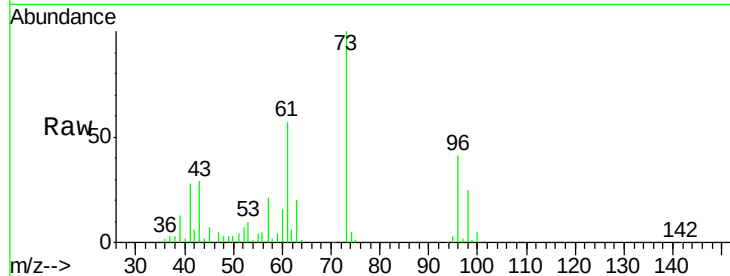


#19

Methyl tert-butyl Ether
 Concen: 41.44 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

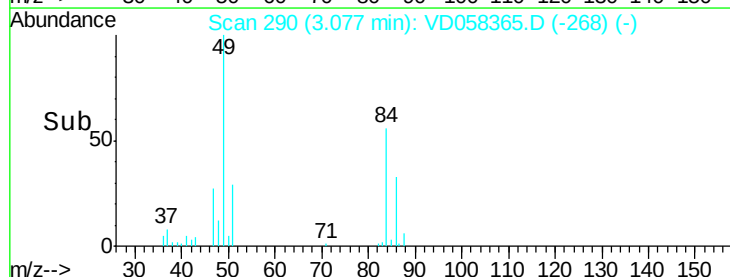
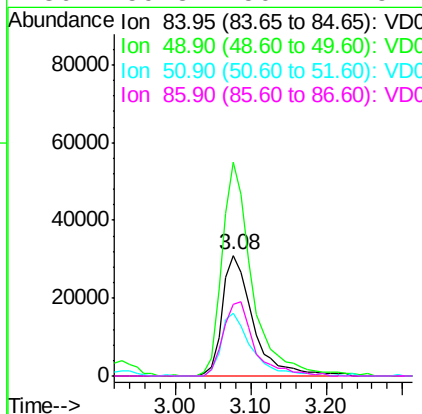
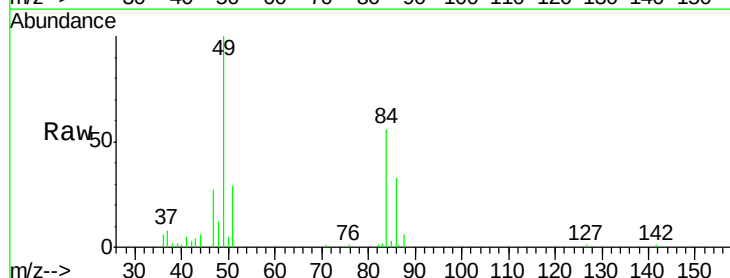
Tot Ion: 73 Resp: 360986
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.6 24.8

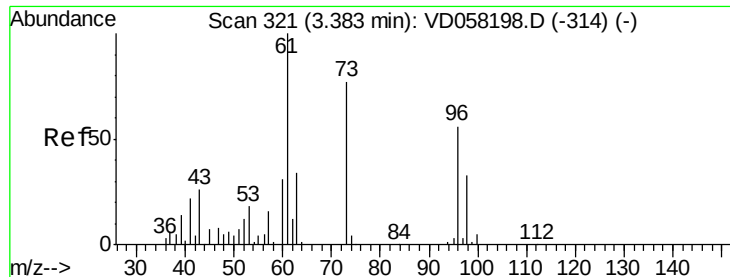


#20

Methylene Chloride
 Concen: 22.68 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.02 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 84 Resp: 87158
 Ion Ratio Lower Upper
 84 100
 49 177.5 145.0 217.6
 51 51.7 42.9 64.3
 86 59.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 50.04 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

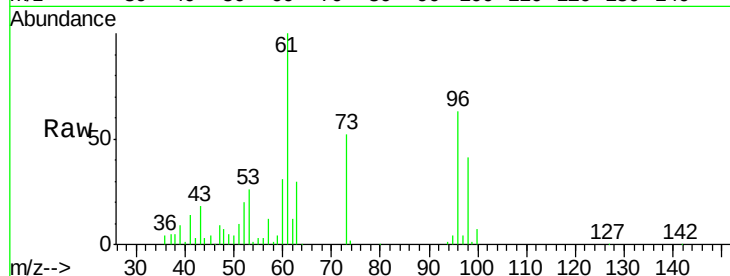
Tot Ion: 96 Resp: 179627

Ion Ratio Lower Upper

96 100

61 158.7 143.8 215.6

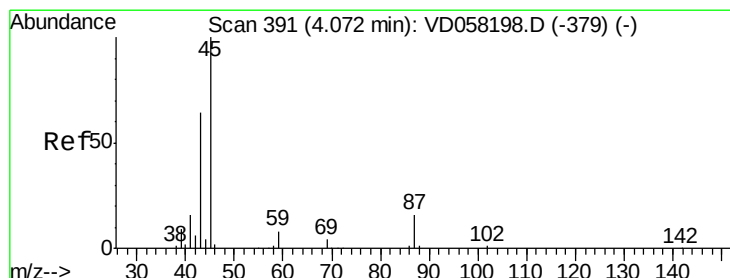
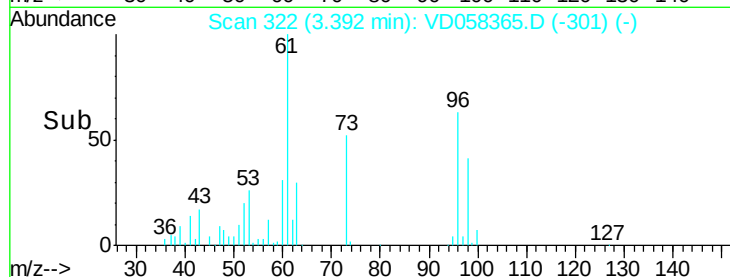
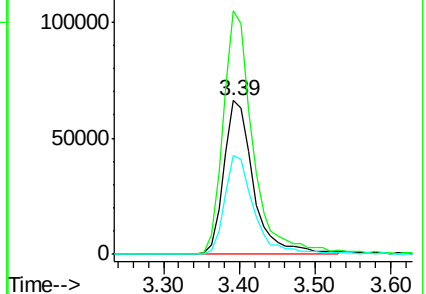
98 64.5 48.0 72.0



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



#22

Diisopropyl ether

Concen: 21.58 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Tgt Ion: 45 Resp: 655188

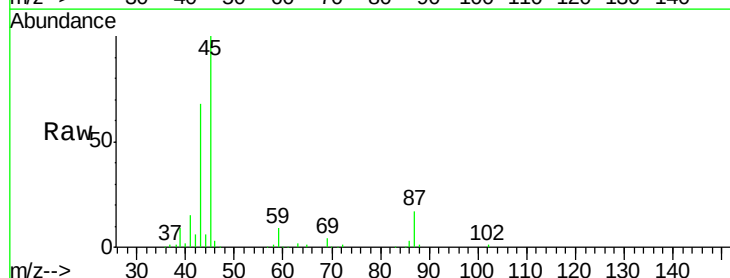
Ion Ratio Lower Upper

45 100

43 68.1 51.4 77.0

87 17.1 13.0 19.4

59 8.5 6.9 10.3

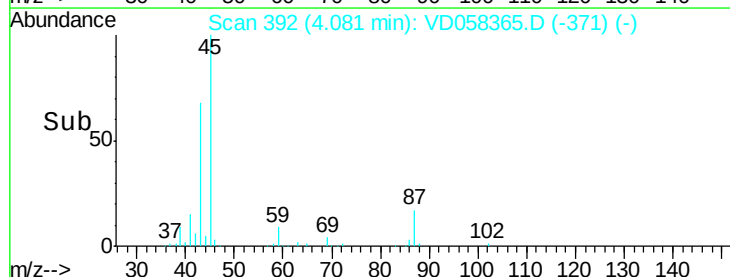
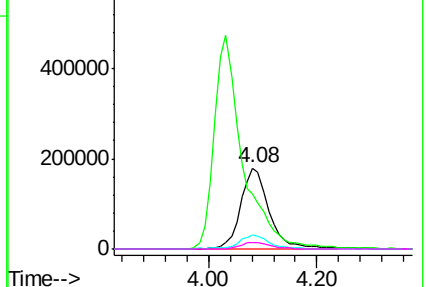


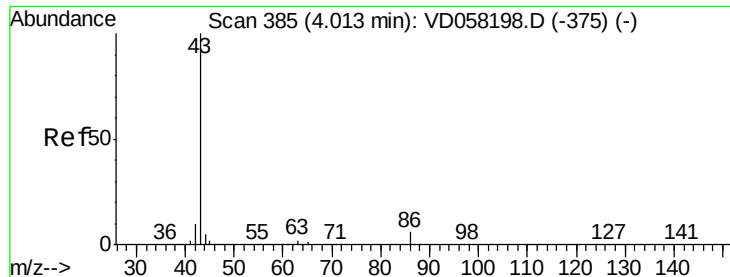
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 105.23 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

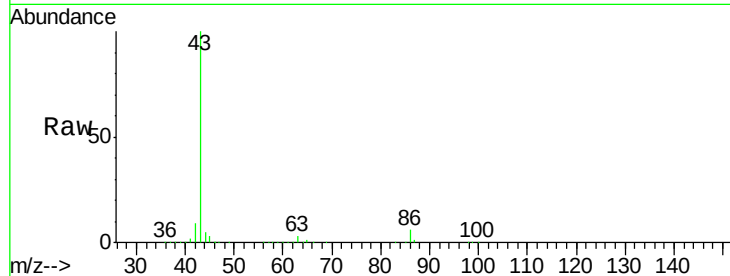
VD0624SBS01

Tot Ion: 43 Resp: 1712710

Ion Ratio Lower Upper

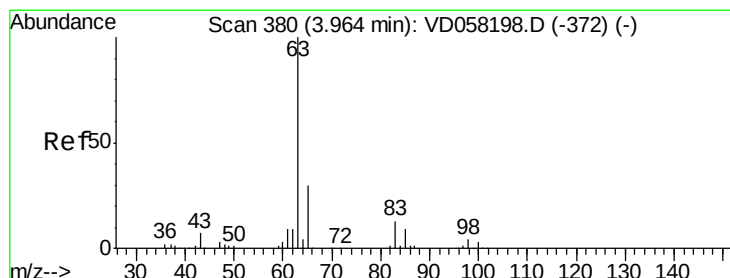
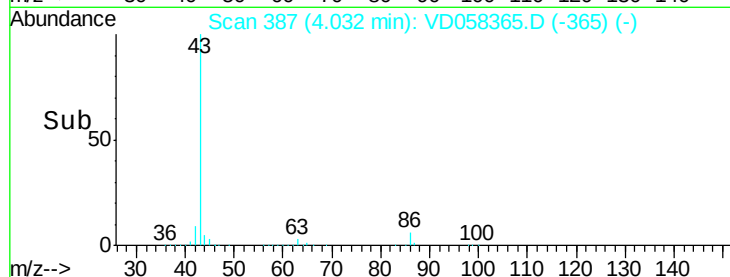
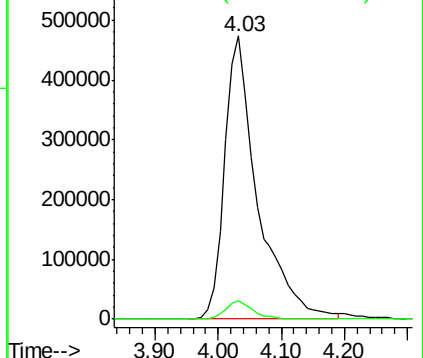
43 100

86 6.4 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.75 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

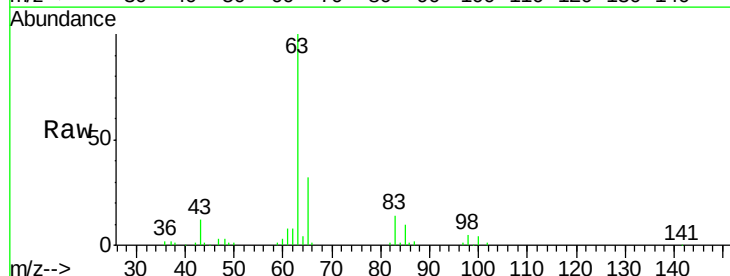
Tgt Ion: 63 Resp: 372103

Ion Ratio Lower Upper

63 100

98 4.9 1.9 5.7

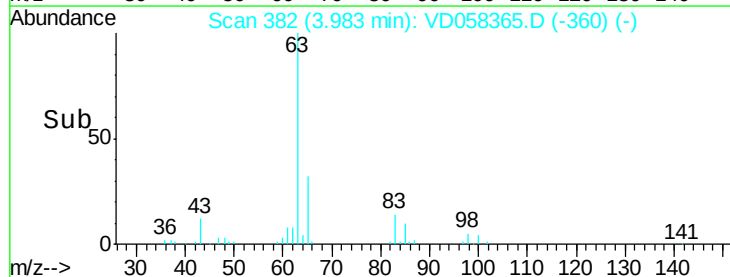
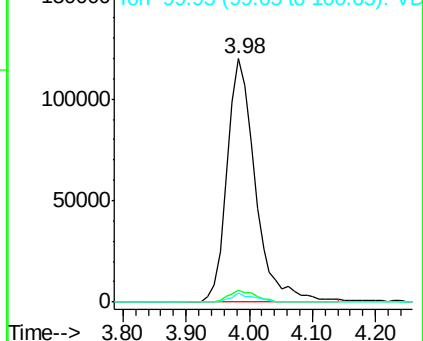
100 3.8 1.3 3.9

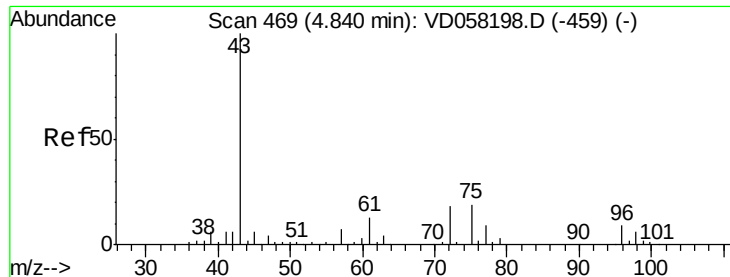


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 102.70 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

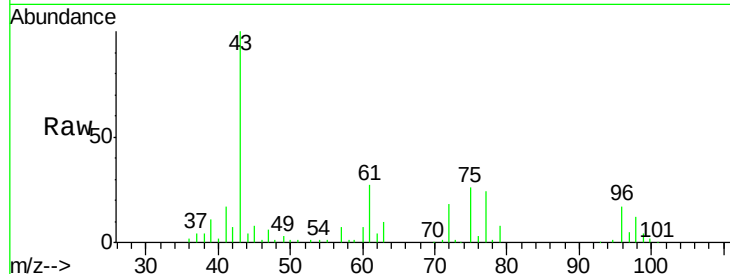
VD0624SBS01

Tot Ion: 43 Resp: 295610

Ion Ratio Lower Upper

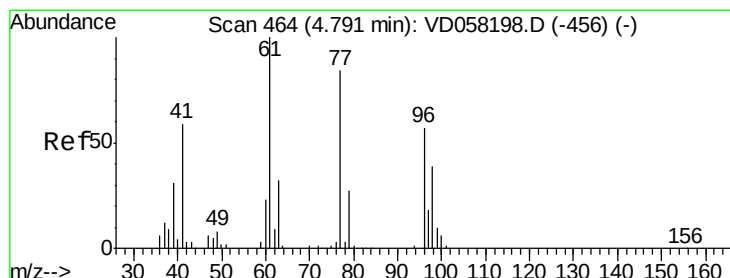
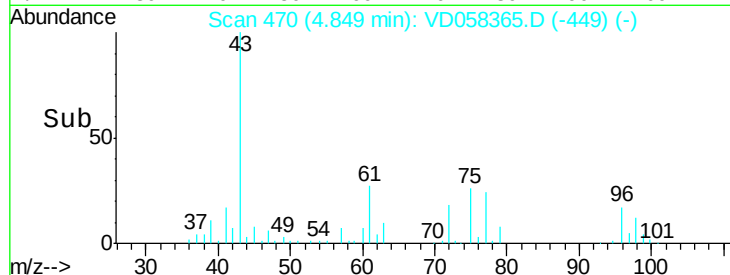
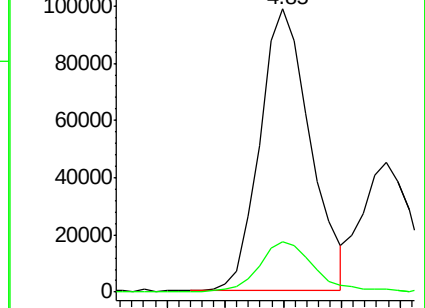
43 100

72 17.8 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.40 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058365.D

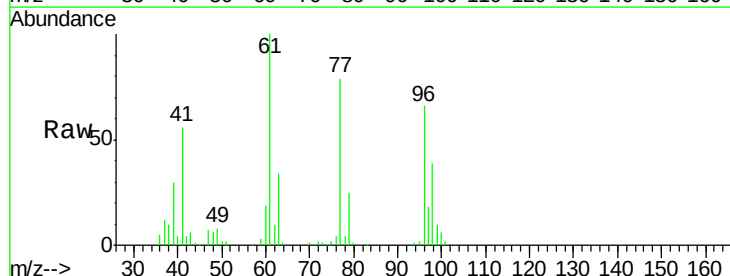
Acq: 24 Jun 2018 12:08

Tgt Ion: 77 Resp: 320470

Ion Ratio Lower Upper

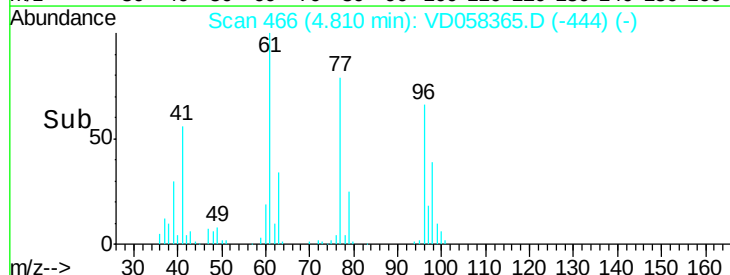
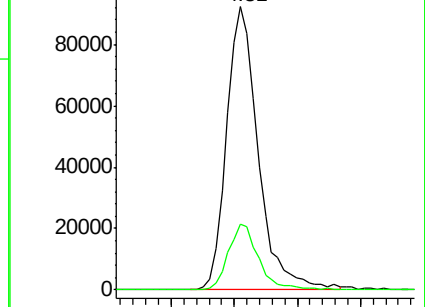
77 100

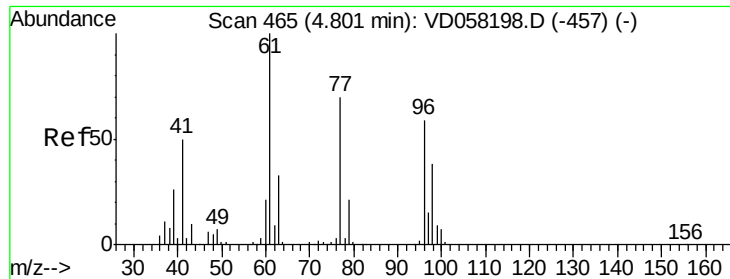
97 23.3 10.5 31.6



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: 25.09 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

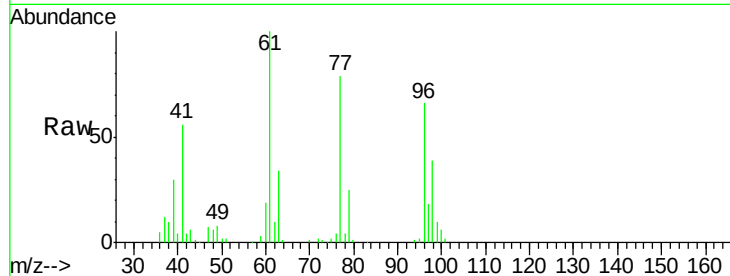
Tot Ion: 96 Resp: 225070

Ion Ratio Lower Upper

96 100

61 152.4 0.0 338.6

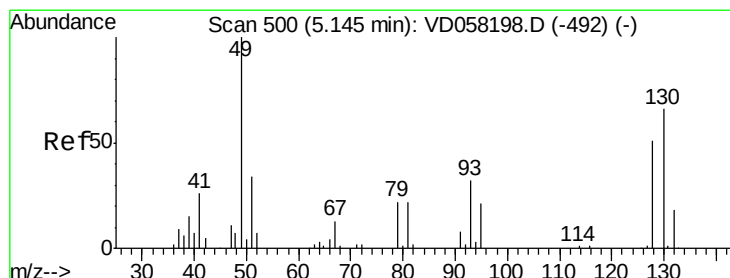
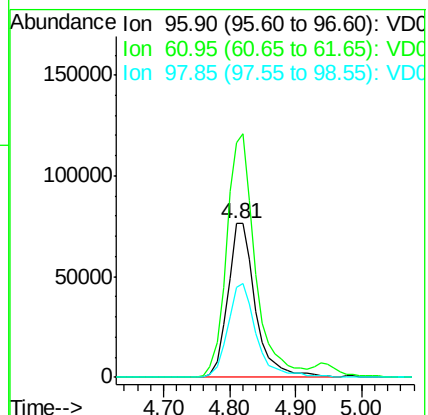
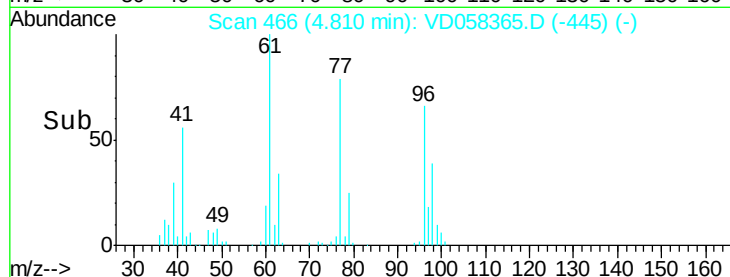
98 58.8 0.0 130.2



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



#28

Bromochloromethane

Concen: 22.21 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

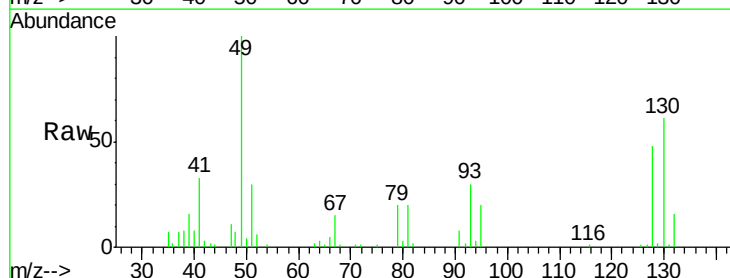
Tgt Ion: 49 Resp: 162886

Ion Ratio Lower Upper

49 100

129 1.5 0.0 0.0#

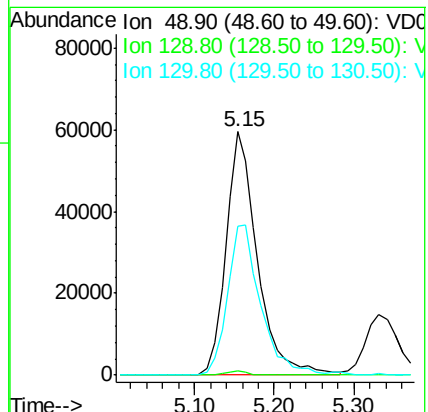
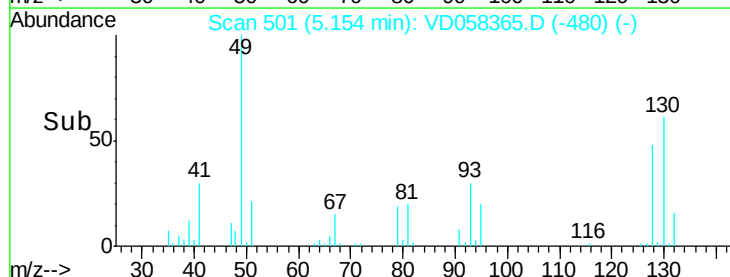
130 61.0 52.6 79.0

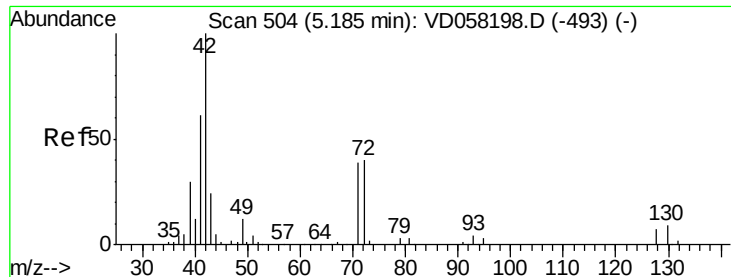


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 97.59 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

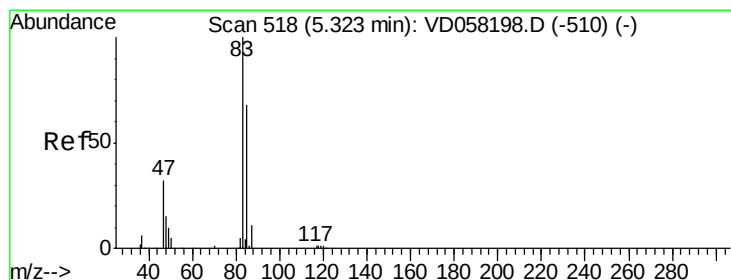
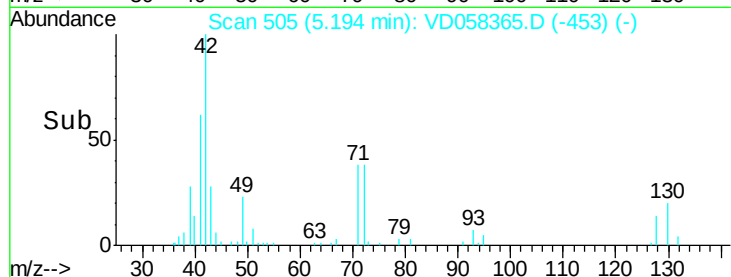
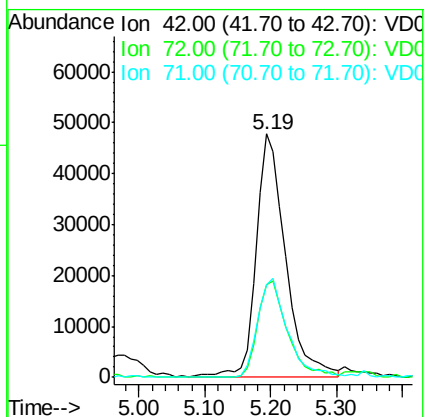
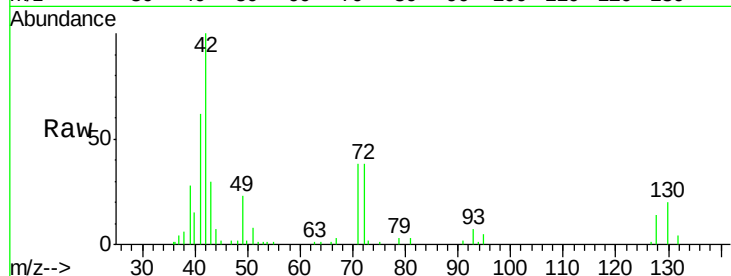
Tot Ion: 42 Resp: 149515

Ion Ratio Lower Upper

42 100

72 40.0 30.2 45.2

71 41.3 30.1 45.1



#30

Chloroform

Concen: 23.50 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD058365.D

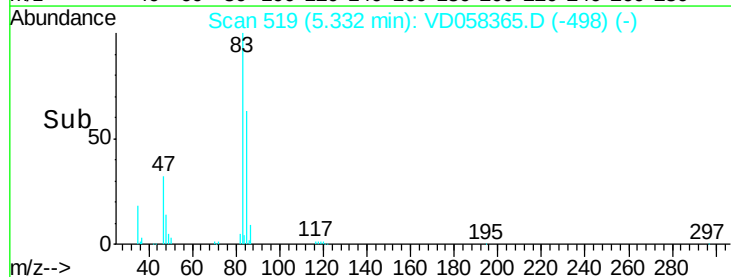
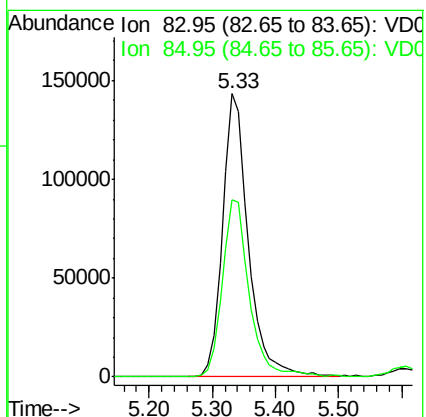
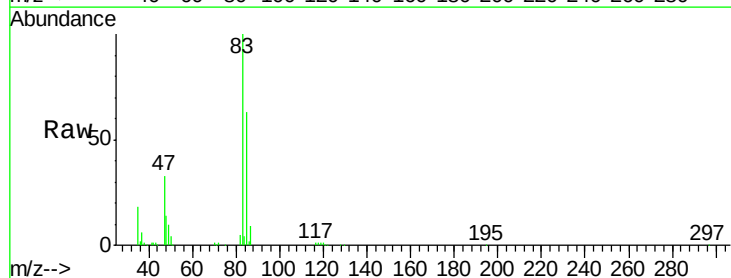
Acq: 24 Jun 2018 12:08

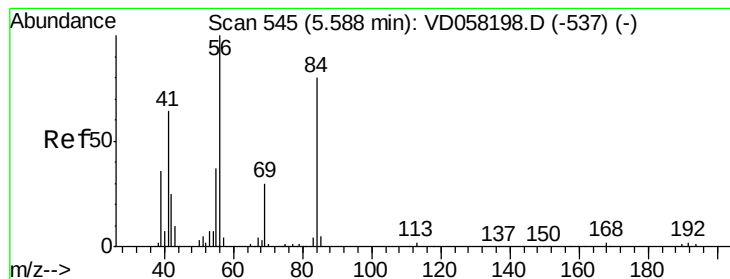
Tgt Ion: 83 Resp: 405811

Ion Ratio Lower Upper

83 100

85 62.8 54.8 82.2





#31

Cyclohexane

Concen: 22.02 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

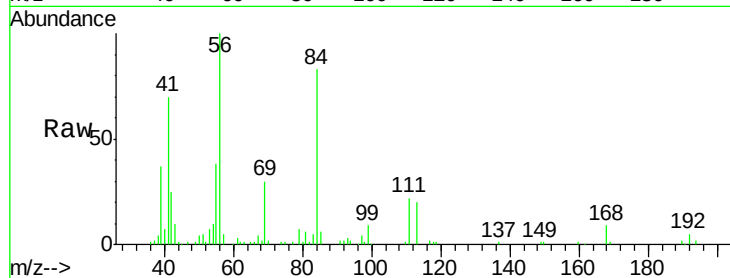
Tot Ion: 56 Resp: 296252

Ion Ratio Lower Upper

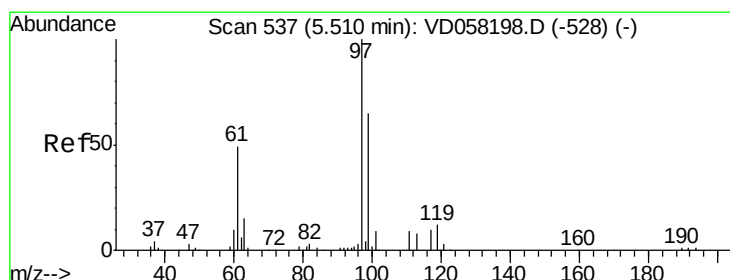
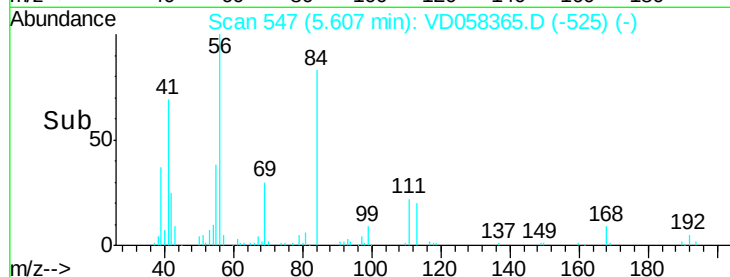
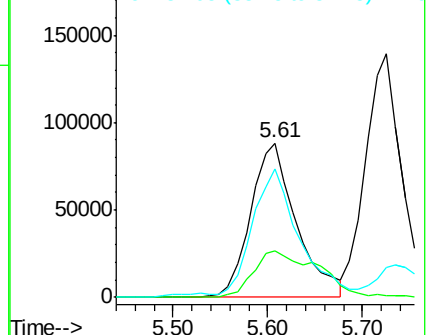
56 100

69 30.2 23.6 35.4

84 82.9 65.2 97.8



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: 23.28 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

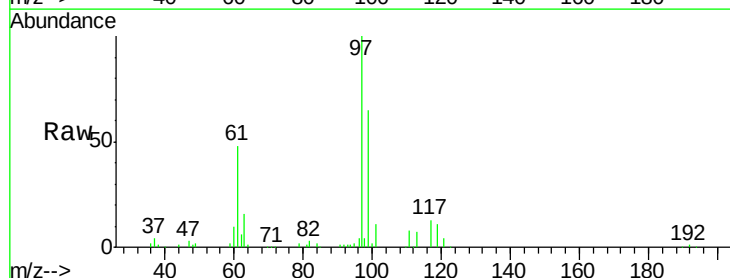
Tgt Ion: 97 Resp: 332152

Ion Ratio Lower Upper

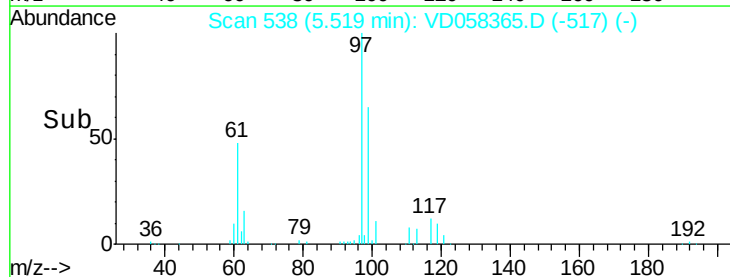
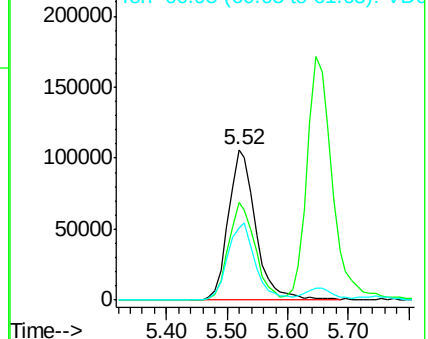
97 100

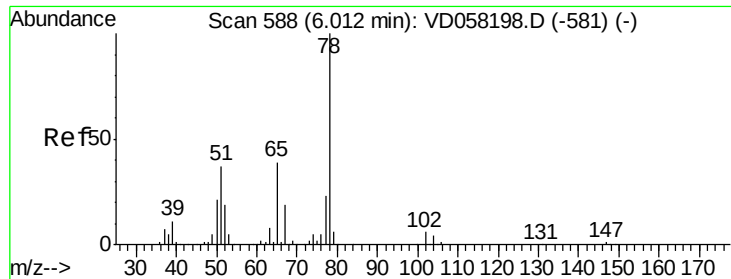
99 65.2 52.2 78.4

61 48.2 39.0 58.4



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

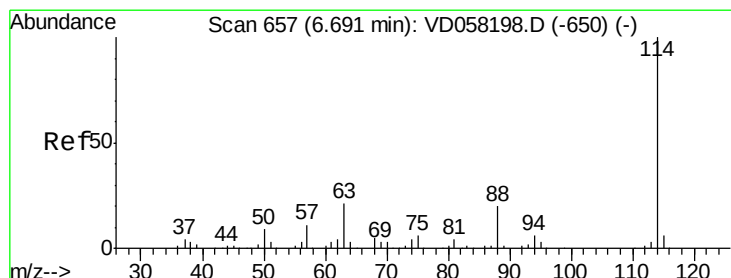
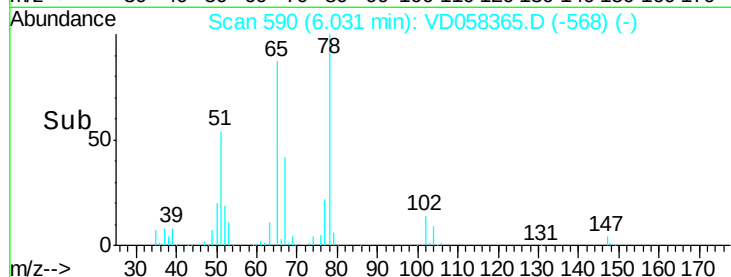
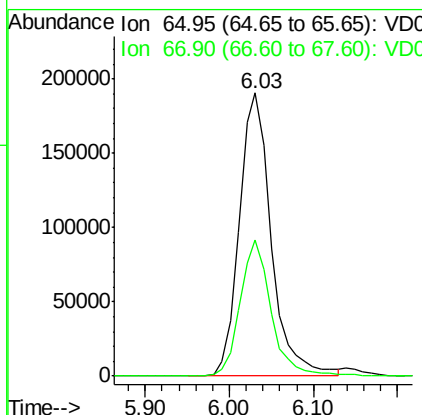
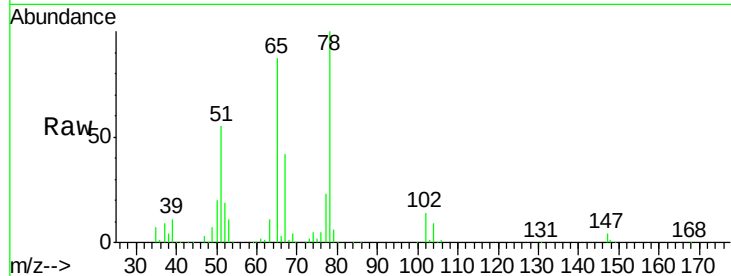




#33
 1,2-Dichloroethane-d4
 Concen: 23.28 ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

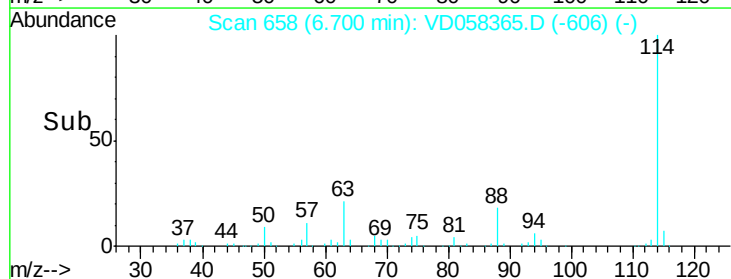
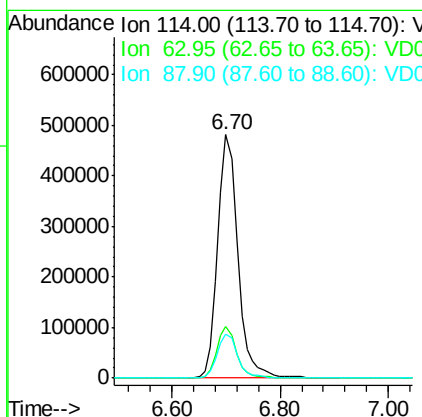
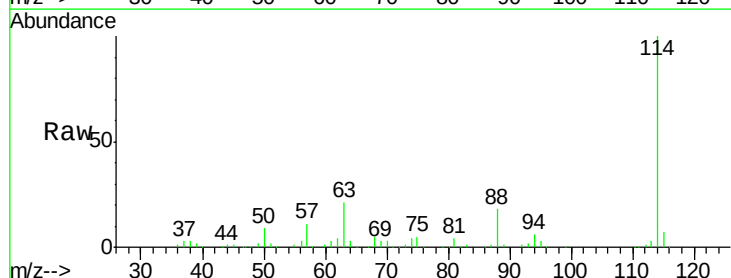
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

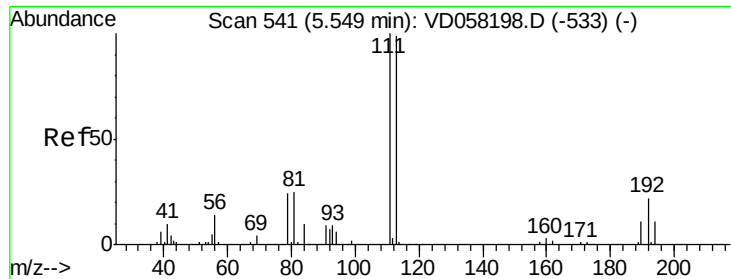
Tot Ion: 65 Resp: 504048
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 114 Resp: 1245262
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 17.9 0.0 40.6

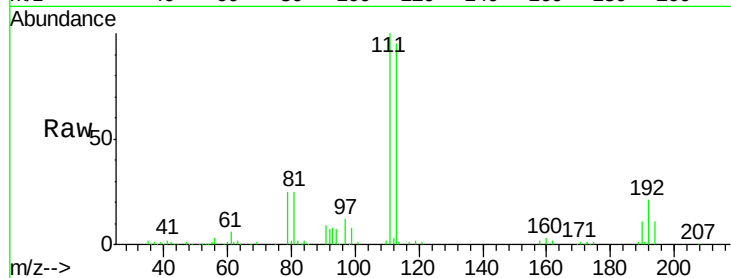




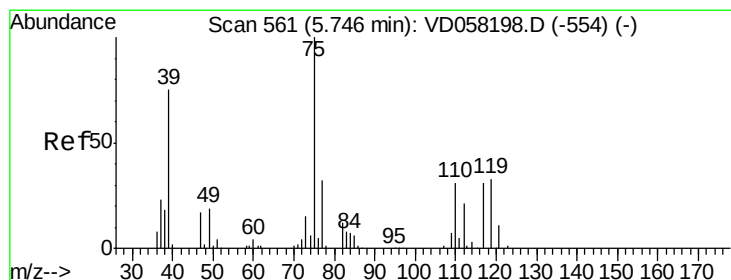
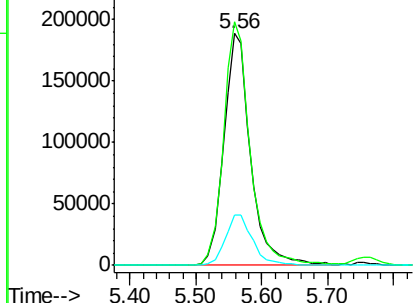
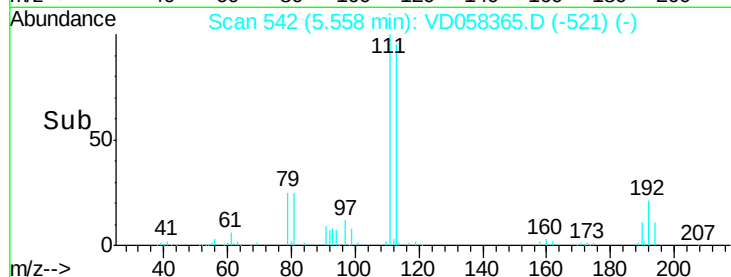
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion:113 Resp: 533330
Ion Ratio Lower Upper
113 100
111 105.0 80.6 121.0
192 21.9 17.8 26.6

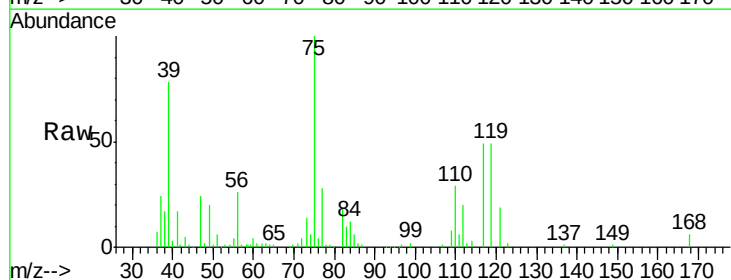


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

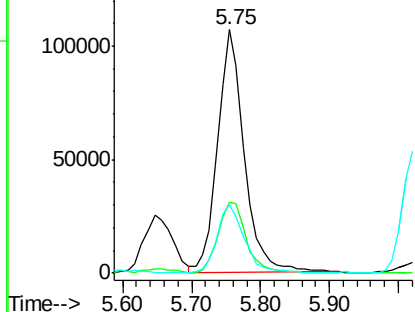
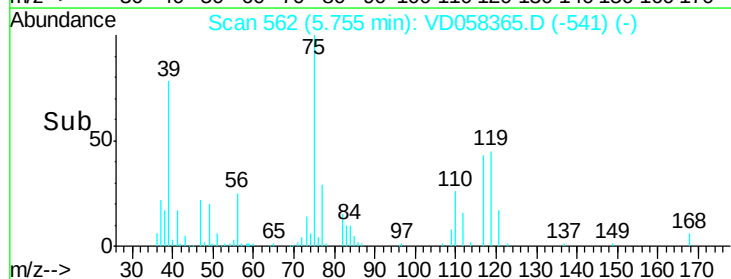


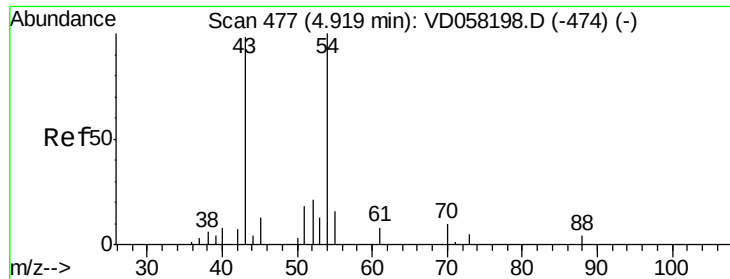
#36
1,1-Dichloropropene
Concen: 23.18 ug/l
RT: 5.75 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 75 Resp: 285609
Ion Ratio Lower Upper
75 100
110 29.2 15.4 46.4
77 28.3 25.4 38.2



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

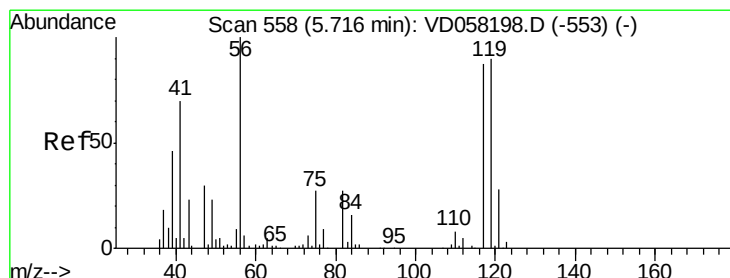
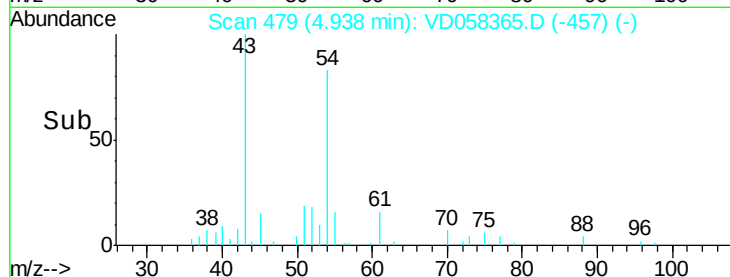
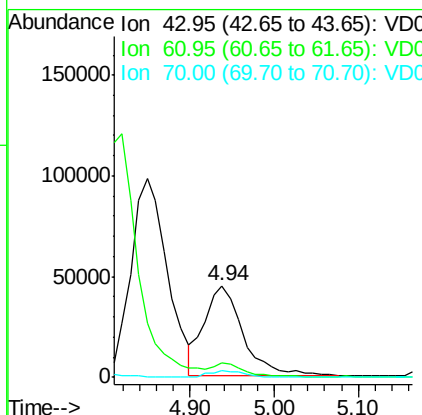
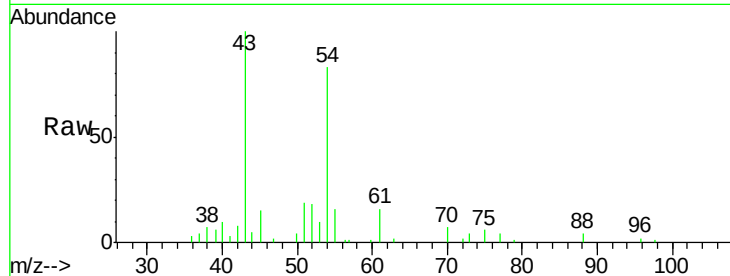




#37
Ethyl Acetate
Concen: 20.43 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

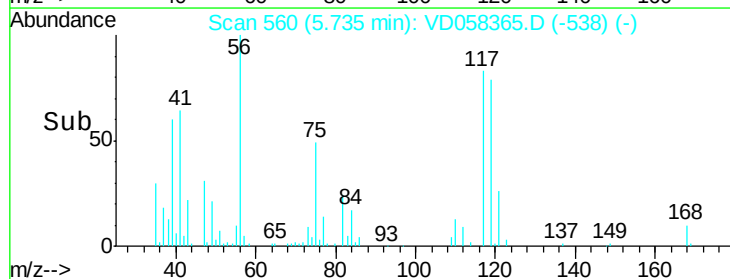
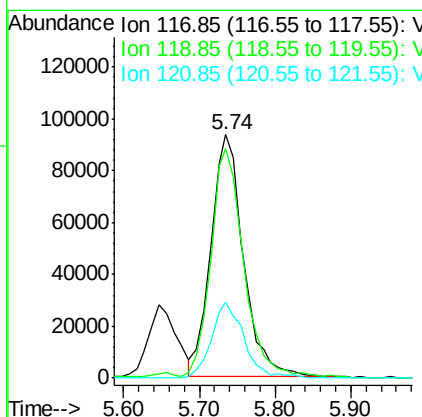
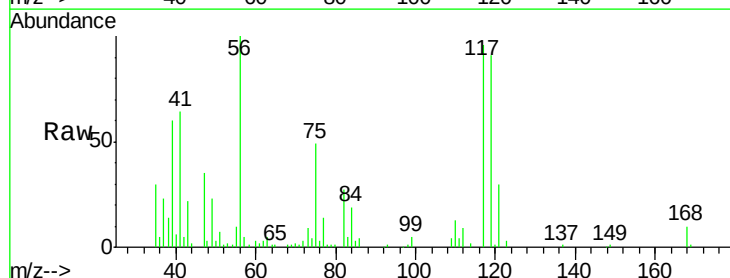
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

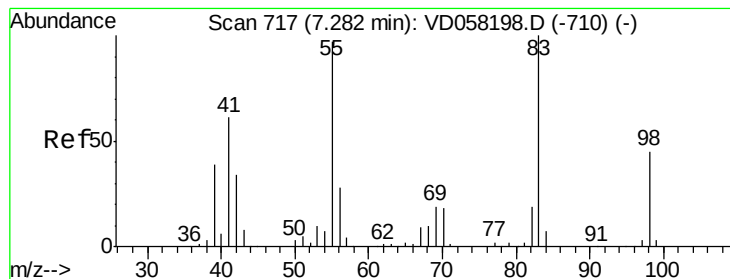
Tot Ion: 43 Resp: 143418
Ion Ratio Lower Upper
43 100
61 15.7 10.3 15.5#
70 7.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 22.68 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 117 Resp: 277602
Ion Ratio Lower Upper
117 100
119 94.5 78.8 118.2
121 31.0 25.0 37.6





#39

Methylvlcyclohexane

Concen: 22.92 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

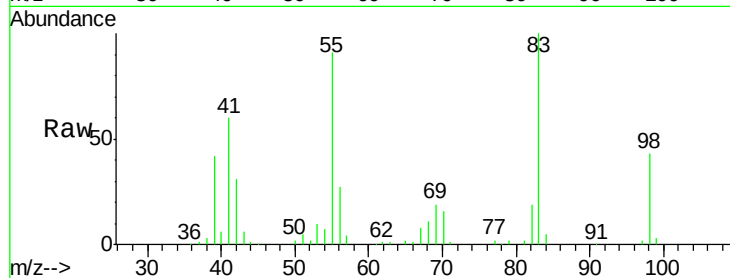
Tot Ion: 83 Resp: 275010

Ion Ratio Lower Upper

83 100

55 90.7 77.4 116.2

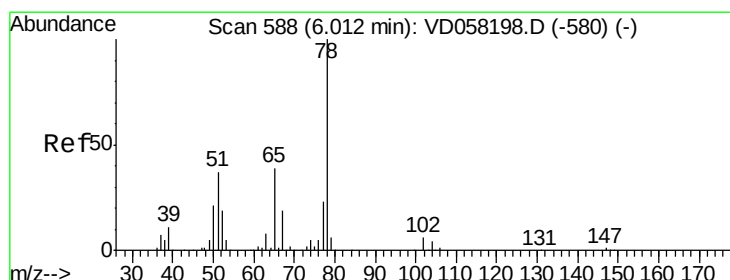
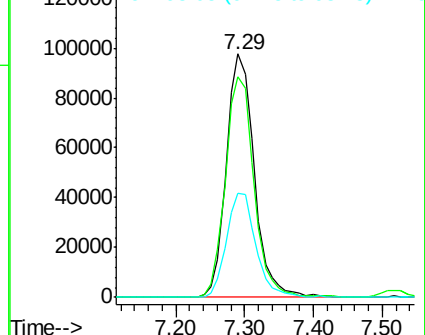
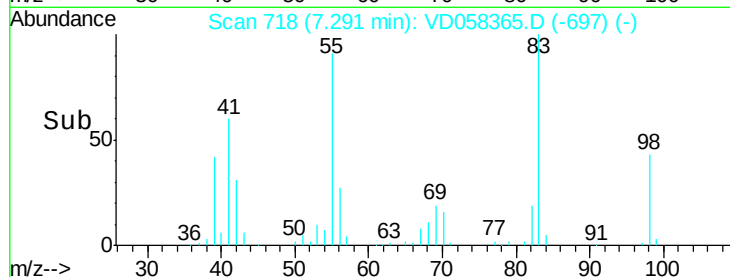
98 42.7 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.77 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058365.D

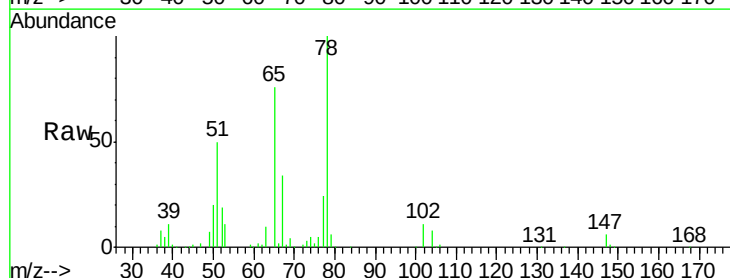
Acq: 24 Jun 2018 12:08

Tgt Ion: 78 Resp: 638855

Ion Ratio Lower Upper

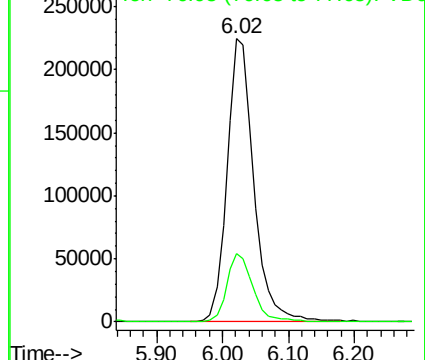
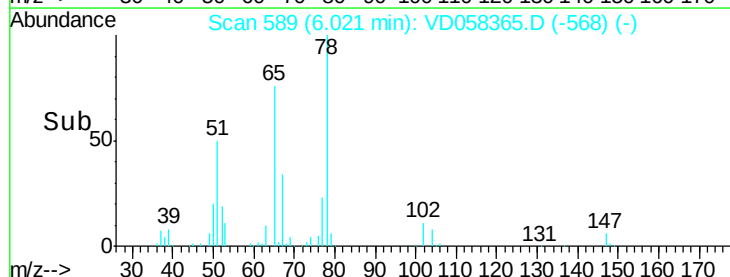
78 100

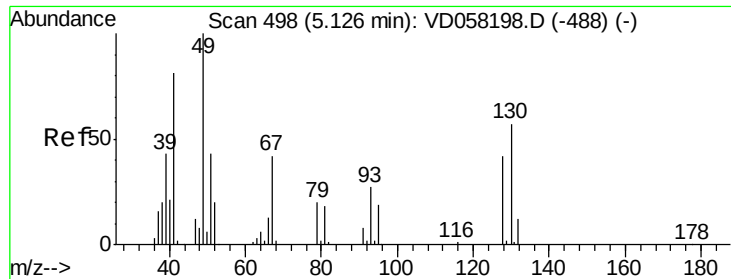
77 24.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

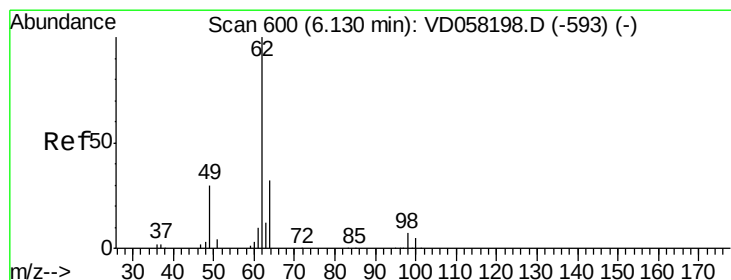
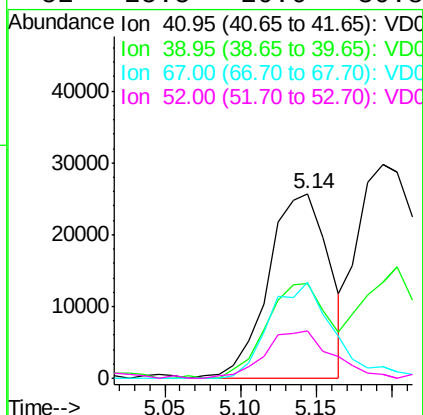
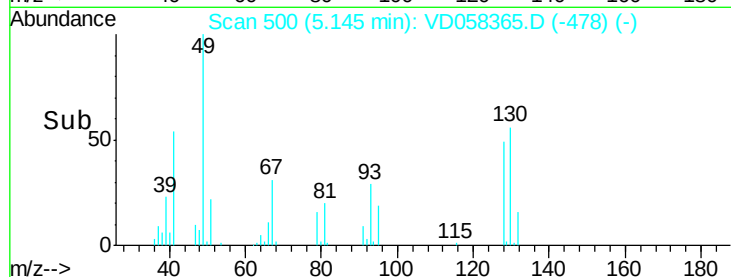
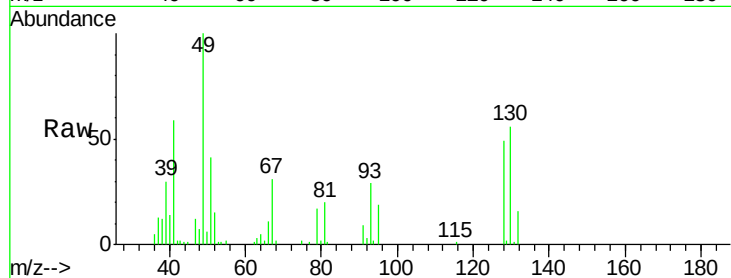




#41
Methacrylonitrile
Concen: 21.23 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

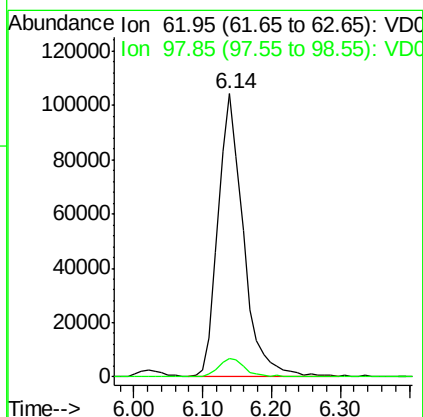
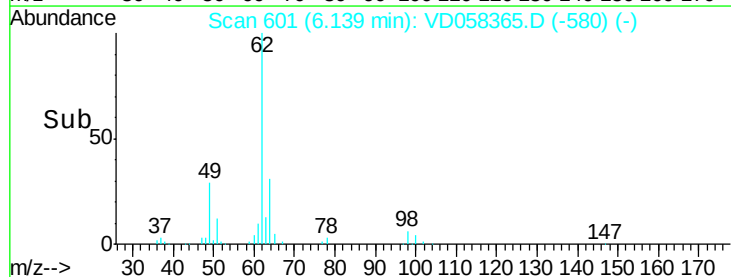
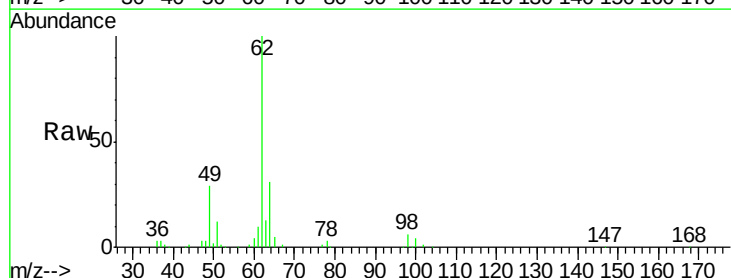
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

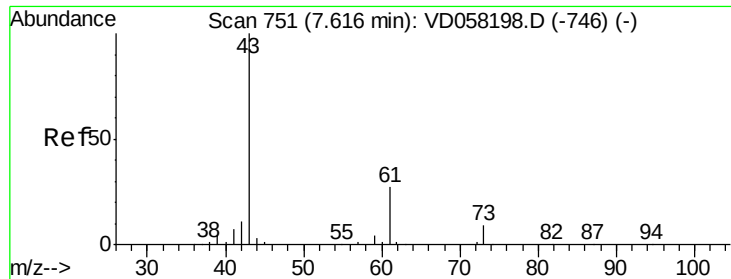
Tot Ion: 41 Resp: 71940
Ion Ratio Lower Upper
41 100
39 51.5 43.4 65.2
67 52.3 41.7 62.5
52 25.5 20.6 30.8



#42
1,2-Dichloroethane
Concen: 22.62 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 62 Resp: 267634
Ion Ratio Lower Upper
62 100
98 6.3 0.0 13.2



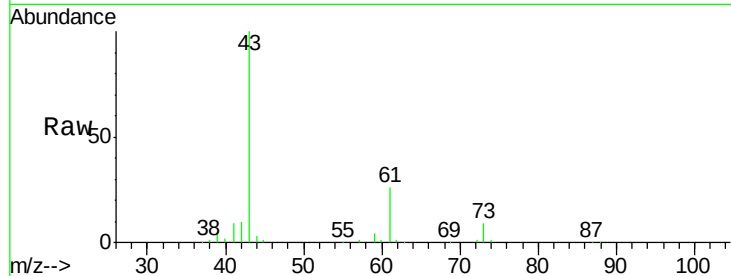


#43

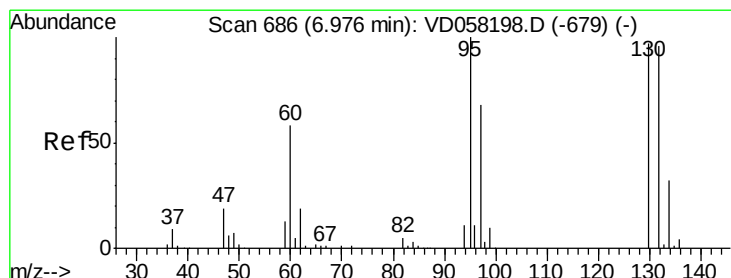
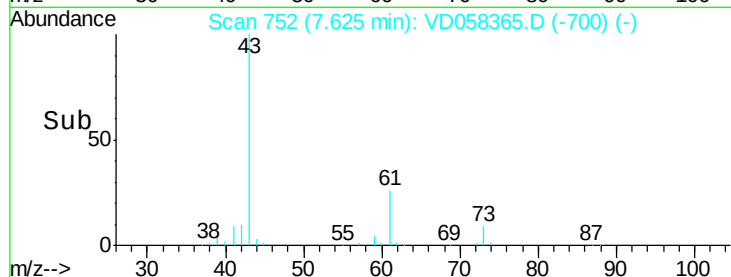
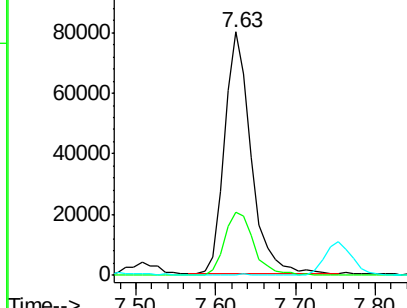
Isopropyl Acetate
 Concen: 19.88 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

Tot Ion: 43 Resp: 186011
 Ion Ratio Lower Upper
 43 100
 61 25.7 21.8 32.6
 87 0.4 0.3 0.5



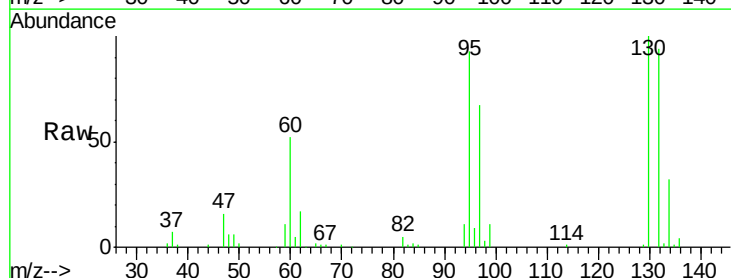
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



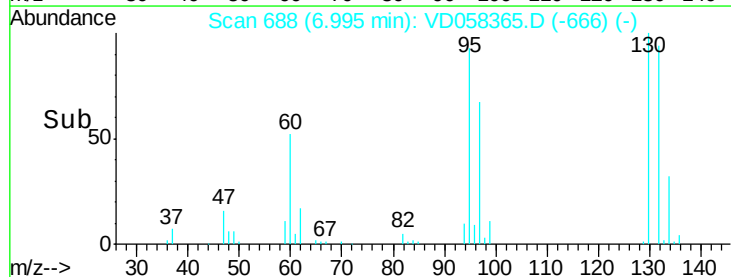
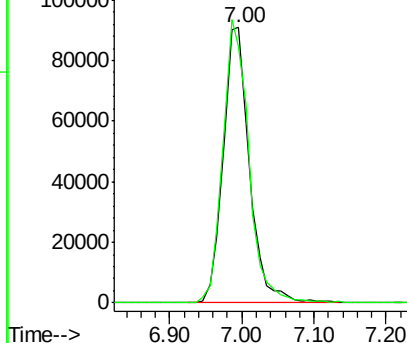
#44

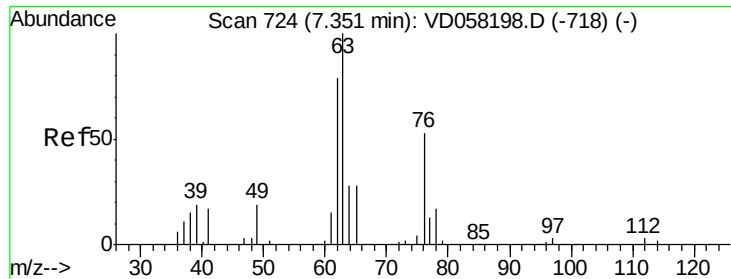
Trichloroethene
 Concen: 26.08 ug/l
 RT: 7.00 min Scan# 688
 Delta R.T. 0.02 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 130 Resp: 229770
 Ion Ratio Lower Upper
 130 100
 95 93.3 0.0 205.6



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

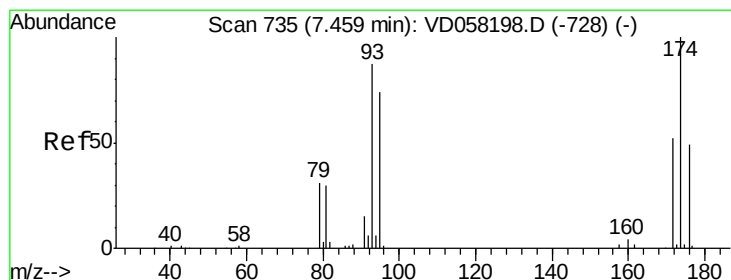
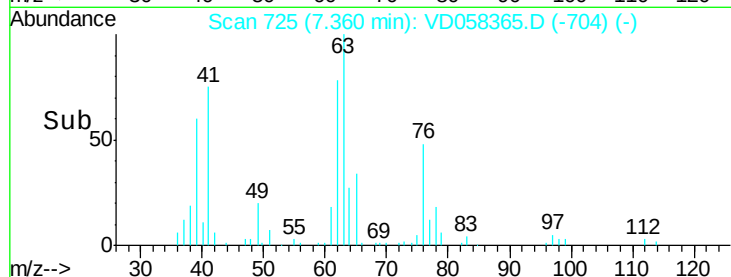
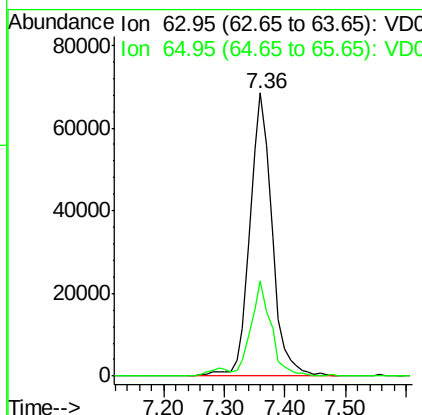
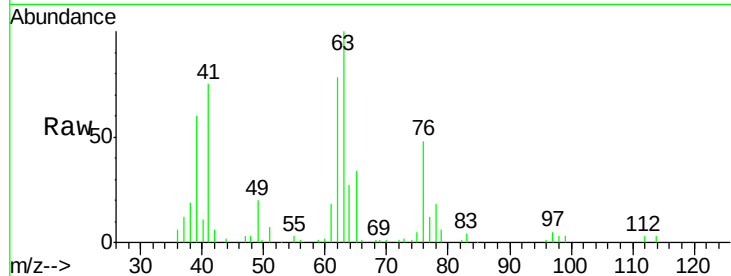




#45
 1,2-Dichloropropane
 Concen: 22.12 ug/l
 RT: 7.36 min Scan# 725
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

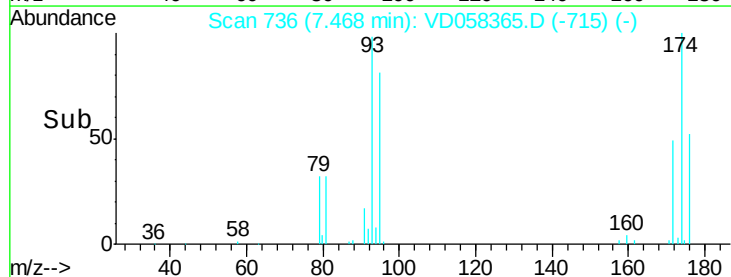
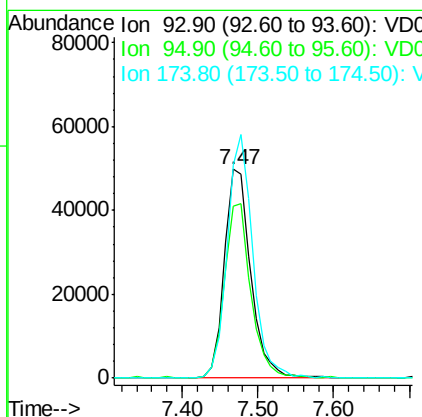
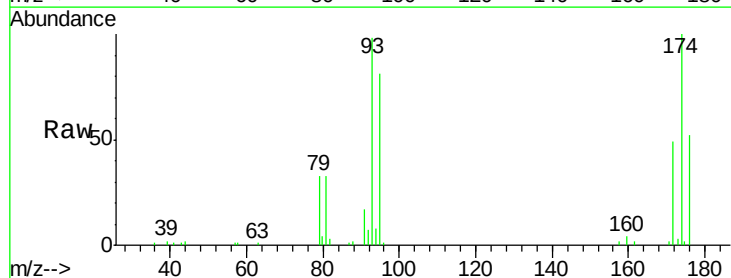
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

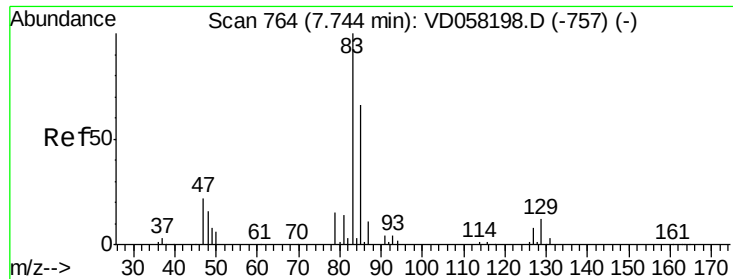
Tot Ion: 63 Resp: 174820
 Ion Ratio Lower Upper
 63 100
 65 33.8 24.0 36.0



#46
 Dibromomethane
 Concen: 22.32 ug/l
 RT: 7.47 min Scan# 736
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 93 Resp: 120437
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.8 101.6
 174 101.9 92.2 138.2





#47

Bromodichloromethane

Concen: 22.08 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

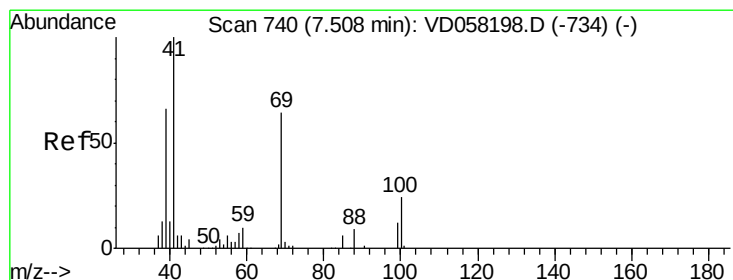
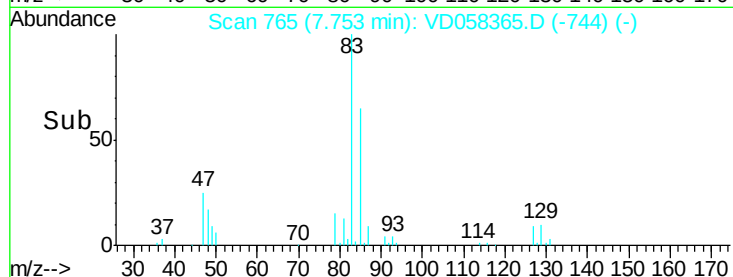
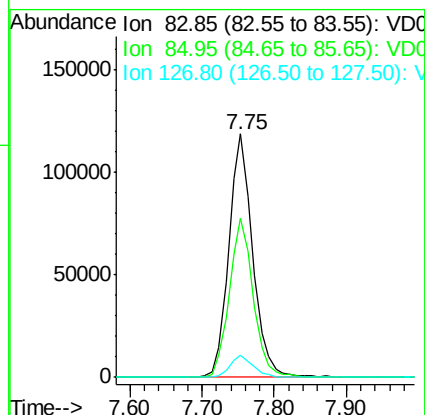
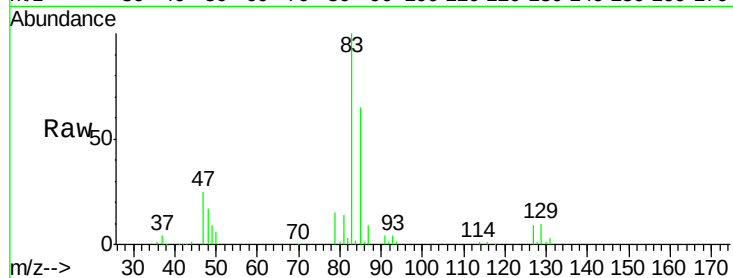
Tot Ion: 83 Resp: 271653

Ion Ratio Lower Upper

83 100

85 65.3 52.6 78.8

127 8.9 6.2 9.4



#48

Methyl methacrylate

Concen: 20.26 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

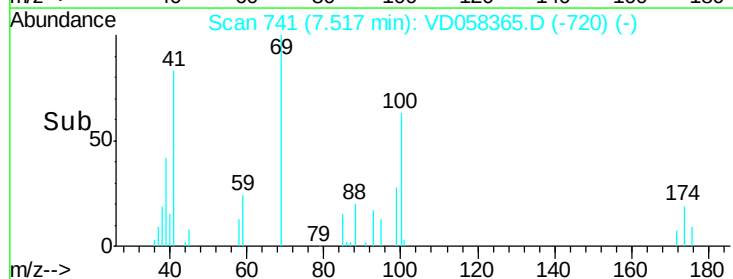
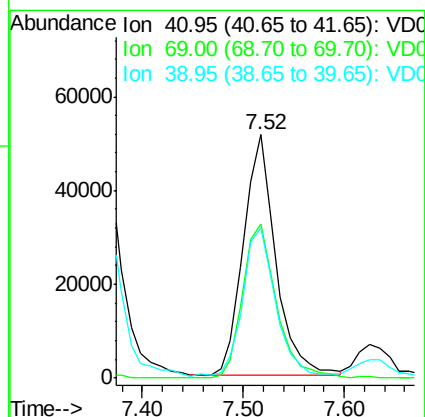
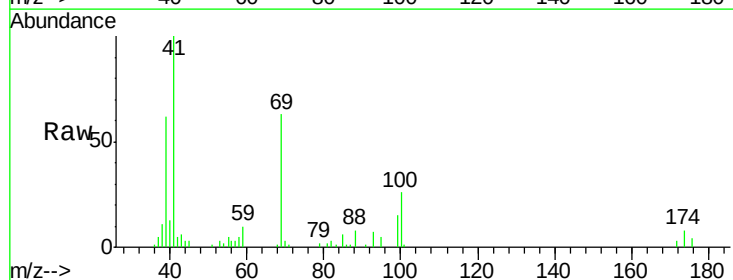
Tgt Ion: 41 Resp: 115205

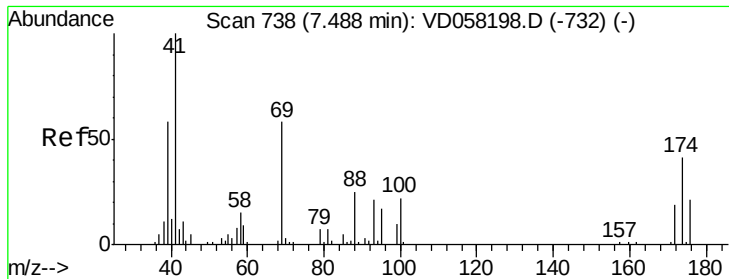
Ion Ratio Lower Upper

41 100

69 63.3 50.7 76.1

39 61.8 52.6 78.8





#49

1,4-Dioxane

Concen: 456.94 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

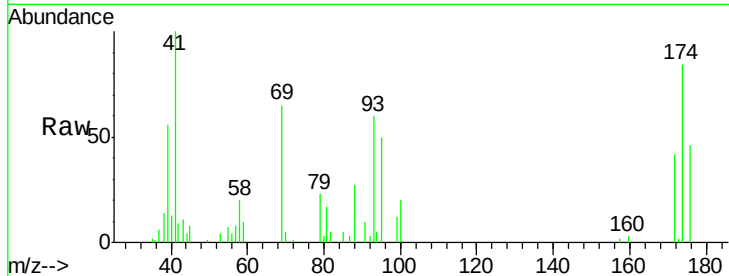
Tot Ion: 88 Resp: 23458

Ion Ratio Lower Upper

88 100

43 40.8 34.2 51.2

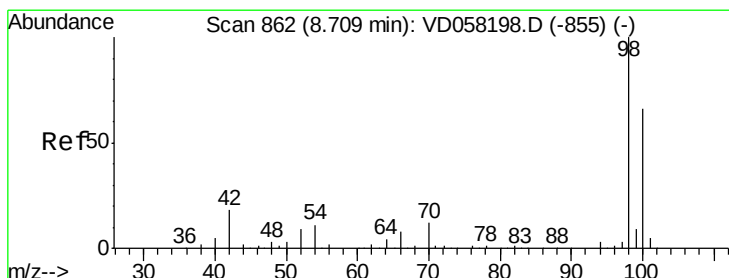
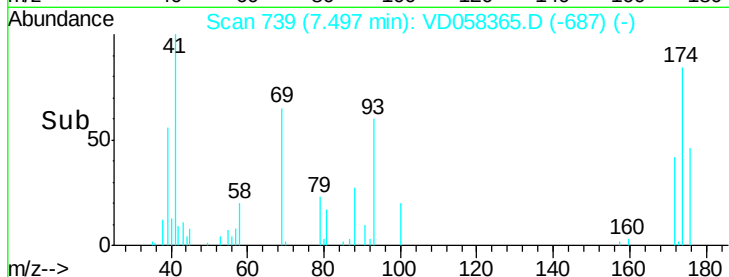
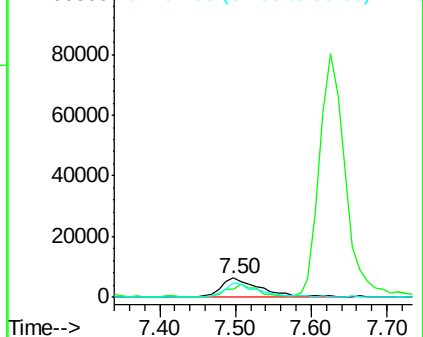
58 74.9 47.9 71.9#



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: 456.94 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058365.D

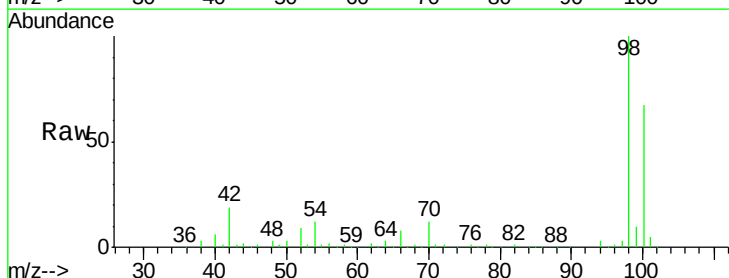
Acq: 24 Jun 2018 12:08

Tgt Ion: 98 Resp: 1278343

Ion Ratio Lower Upper

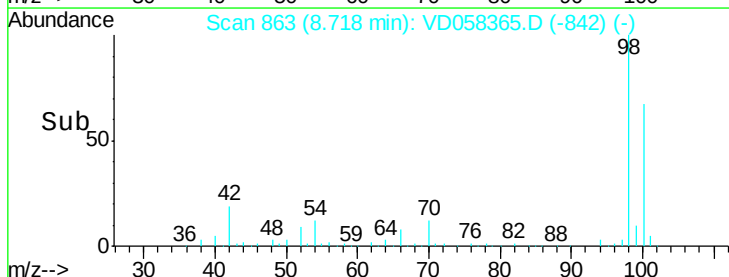
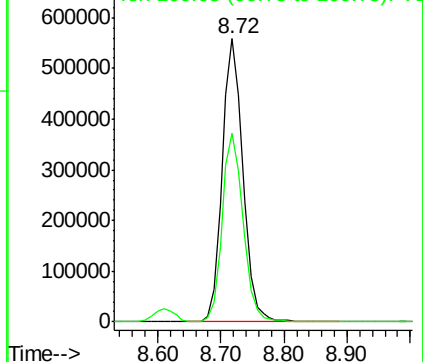
98 100

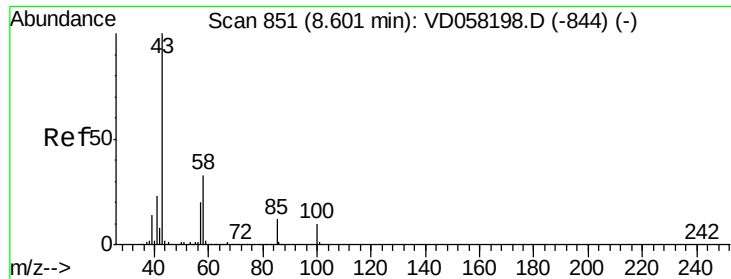
100 66.7 53.6 80.4



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: 105.33 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

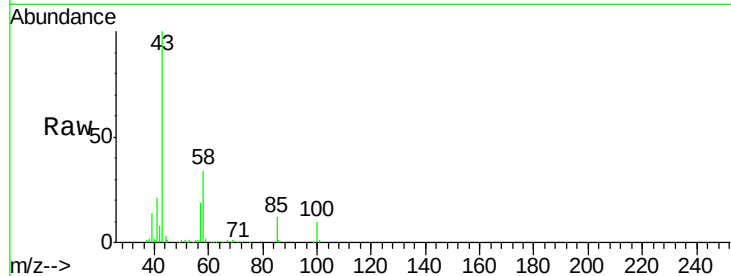
VD0624SBS01

Tot Ion: 43 Resp: 642894

Ion Ratio Lower Upper

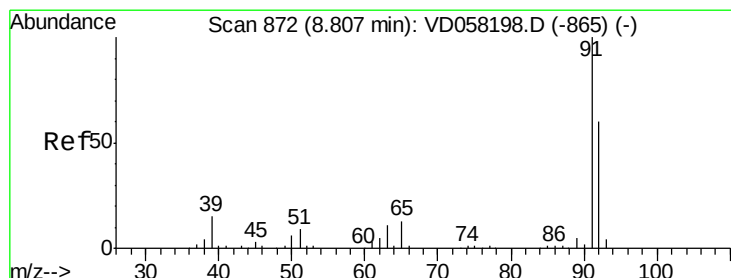
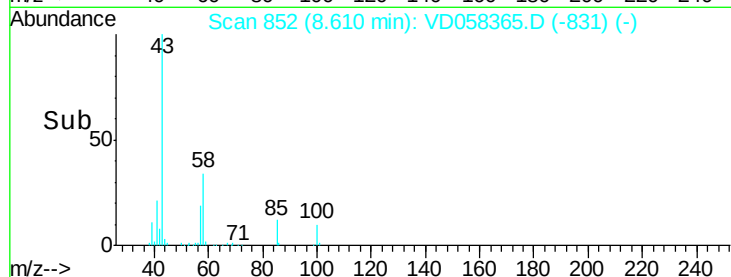
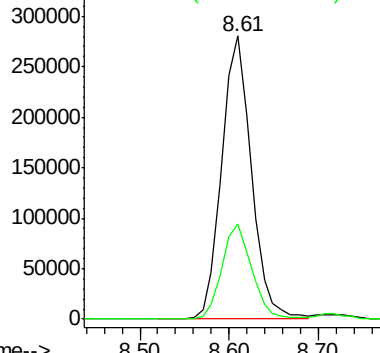
43 100

58 33.9 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.39 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058365.D

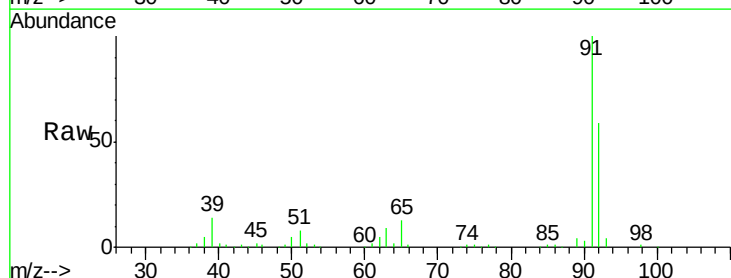
Acq: 24 Jun 2018 12:08

Tgt Ion: 92 Resp: 374052

Ion Ratio Lower Upper

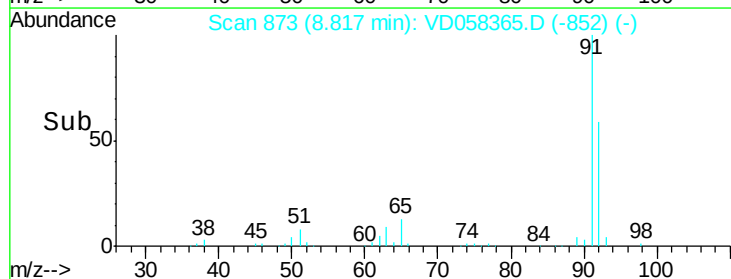
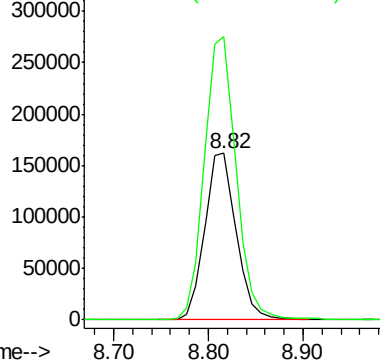
92 100

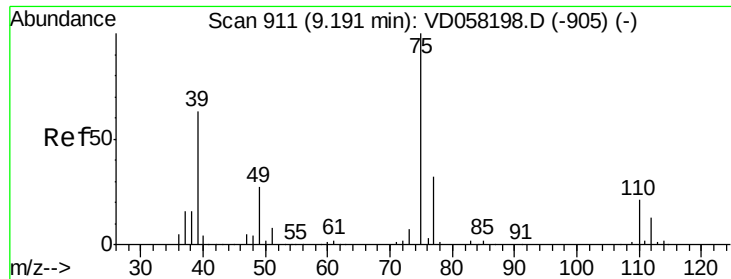
91 170.1 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

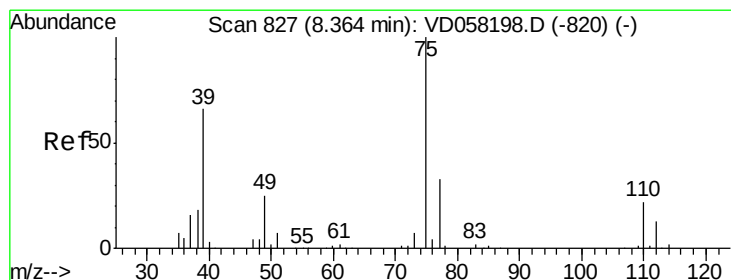
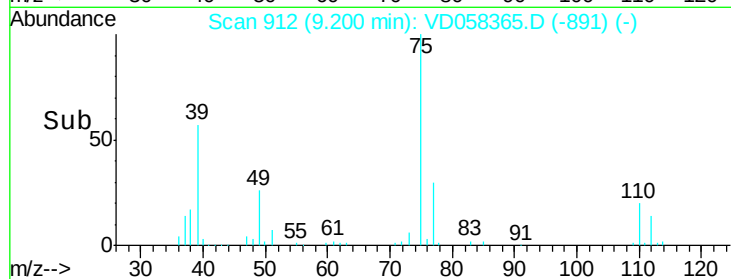
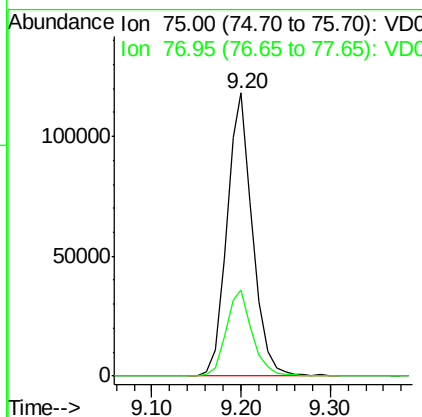
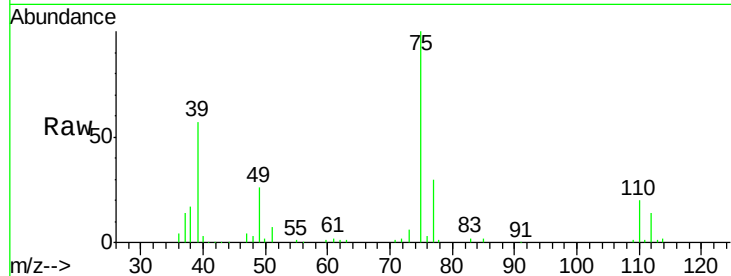




#53
 t-1,3-Dichloropropene
 Concen: 22.14 ug/l
 RT: 9.20 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

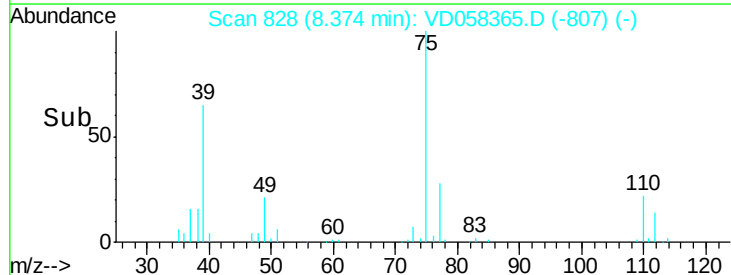
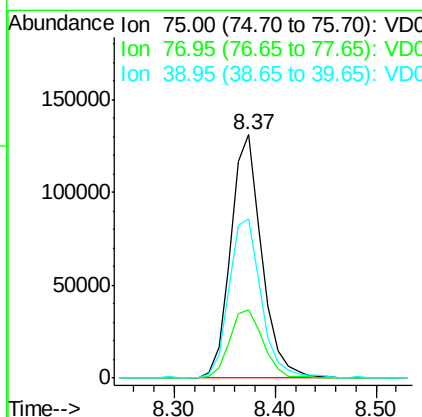
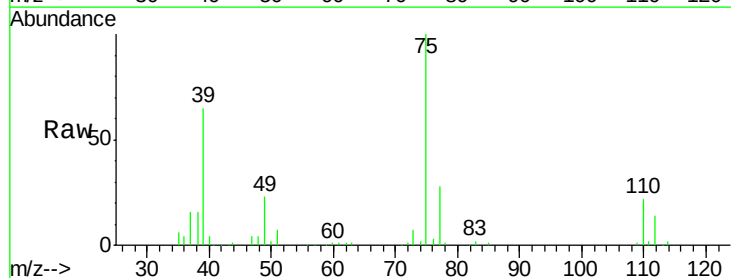
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

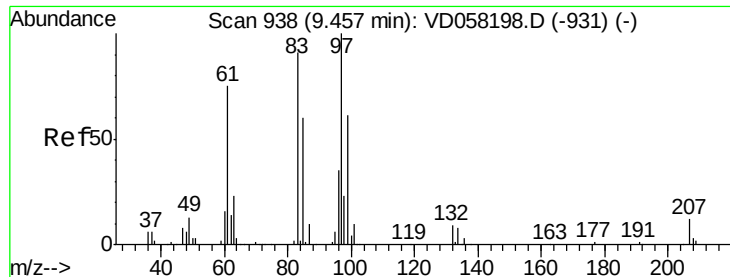
Tot Ion: 75 Resp: 236829
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.29 ug/l
 RT: 8.37 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 75 Resp: 279538
 Ion Ratio Lower Upper
 75 100
 77 28.3 26.5 39.7
 39 65.4 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 22.16 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

Tot Ion: 97 Resp: 131023

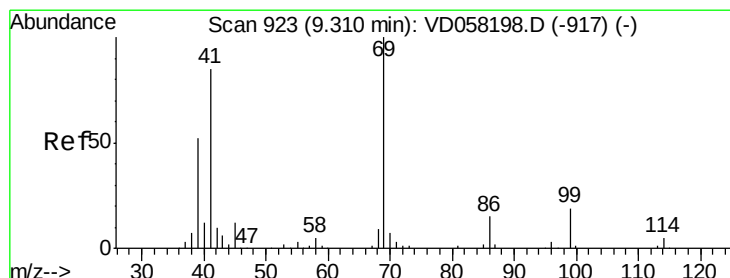
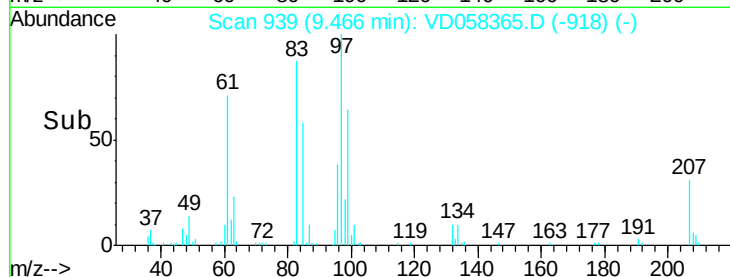
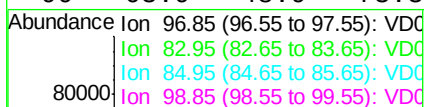
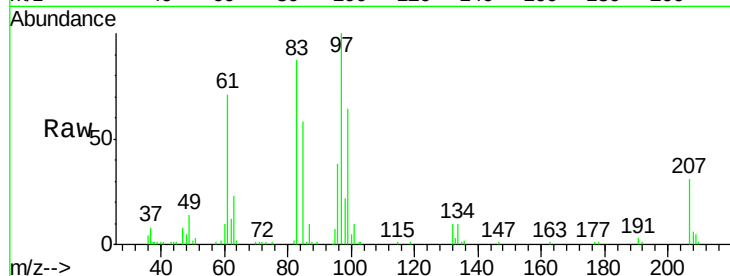
Ion Ratio Lower Upper

97 100

83 86.6 72.9 109.3

85 58.1 48.2 72.4

99 63.9 48.9 73.3



#56

Ethyl methacrylate

Concen: 20.83 ug/l

RT: 9.33 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

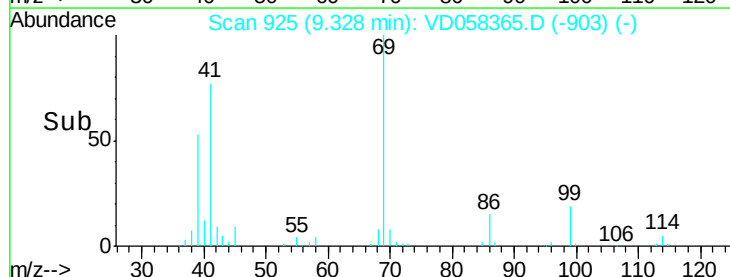
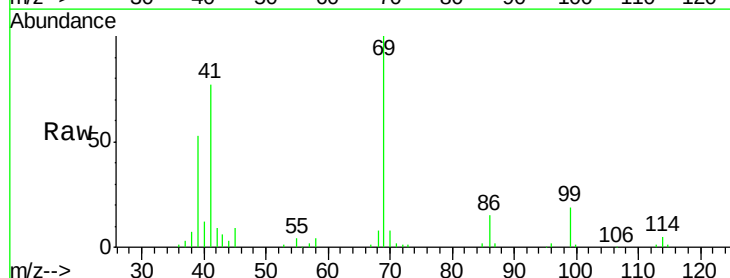
Tgt Ion: 69 Resp: 147296

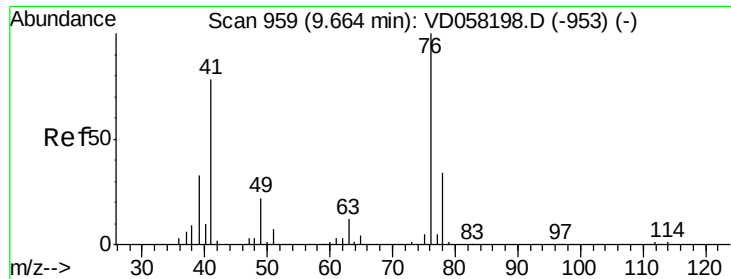
Ion Ratio Lower Upper

69 100

41 76.8 67.6 101.4

39 52.9 42.2 63.2

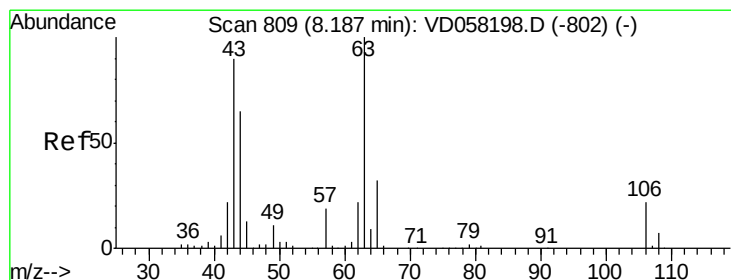
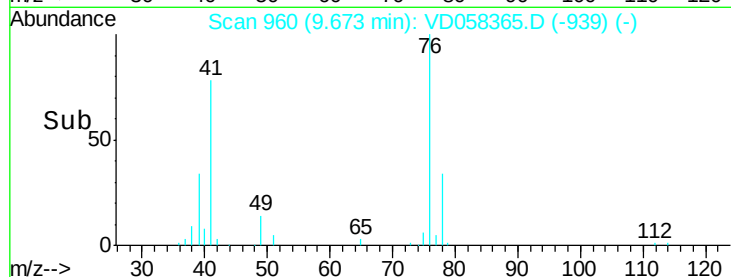
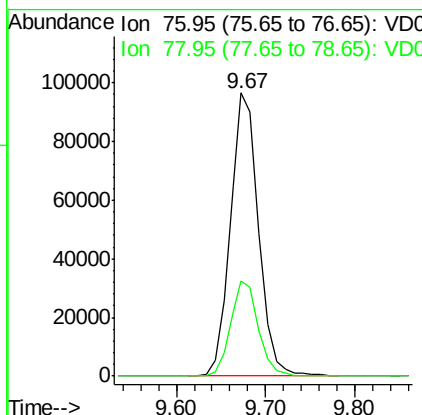
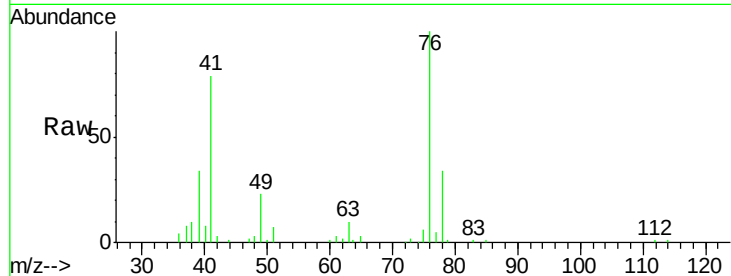




#57
 1,3-Dichloropropane
 Concen: 21.32 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

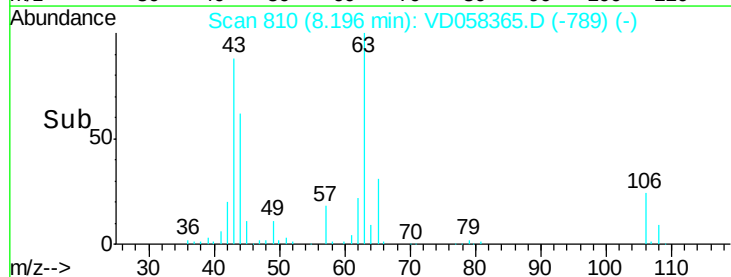
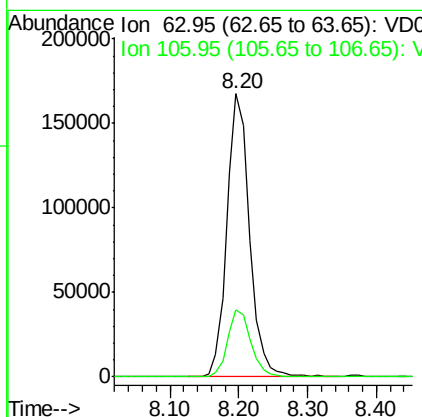
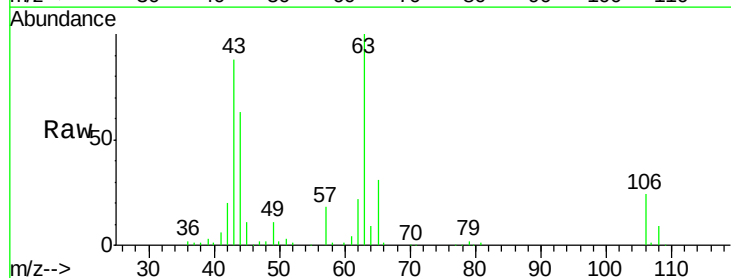
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

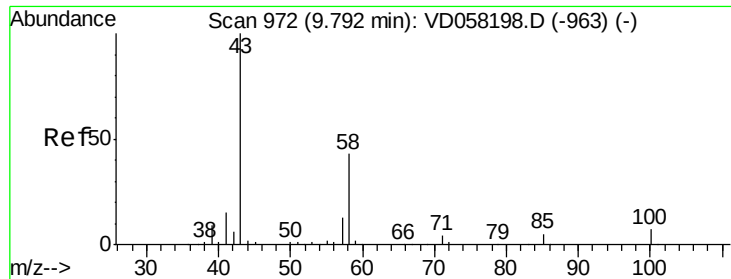
Tot Ion: 76 Resp: 212290
 Ion Ratio Lower Upper
 76 100
 78 33.8 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.78 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 63 Resp: 380731
 Ion Ratio Lower Upper
 63 100
 106 23.6 18.0 27.0

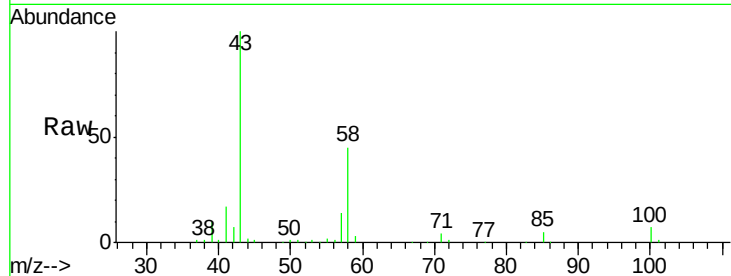




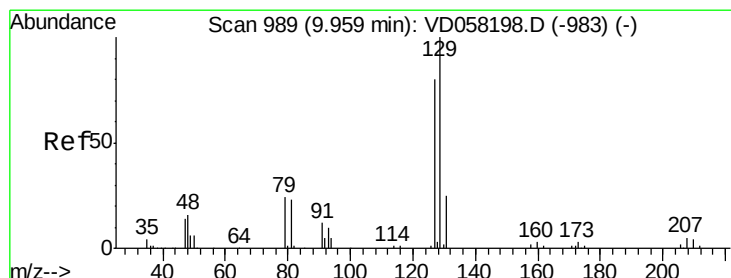
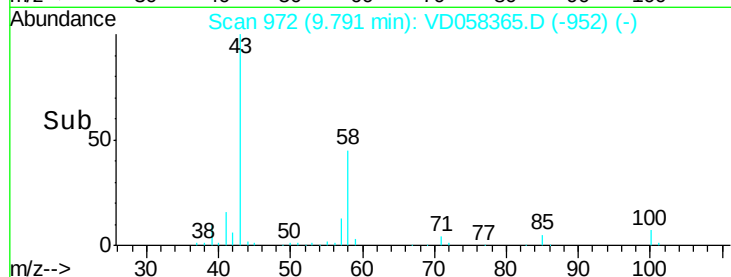
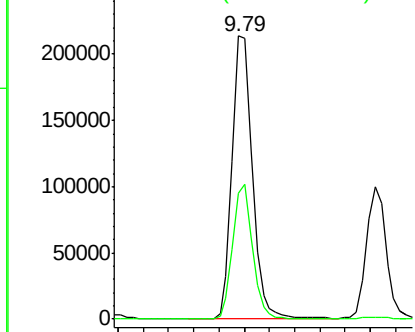
#59
2-Hexanone
Concen: 108.11 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion: 43 Resp: 476787
Ion Ratio Lower Upper
43 100
58 44.7 21.7 65.1

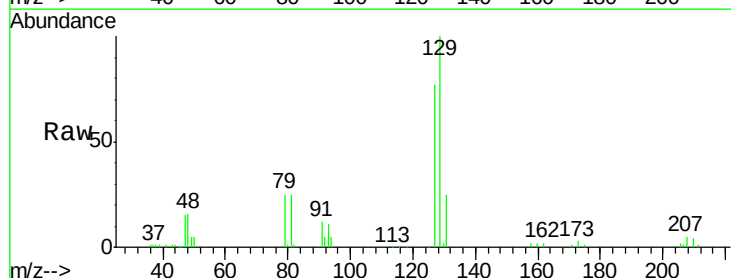


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

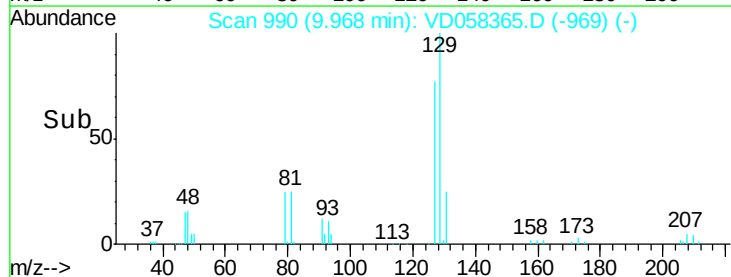
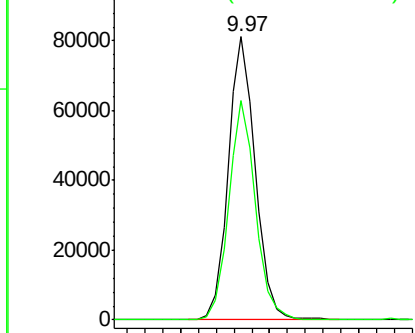


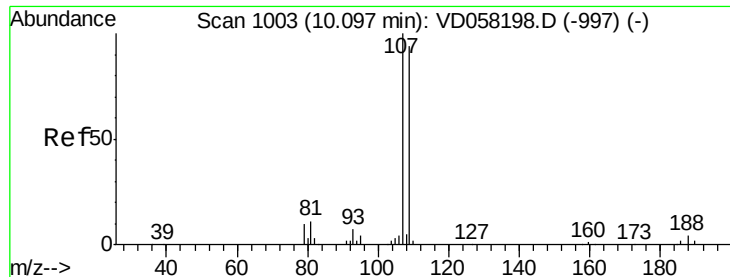
#60
Dibromochloromethane
Concen: 21.53 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 129 Resp: 172757
Ion Ratio Lower Upper
129 100
127 77.3 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.24 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

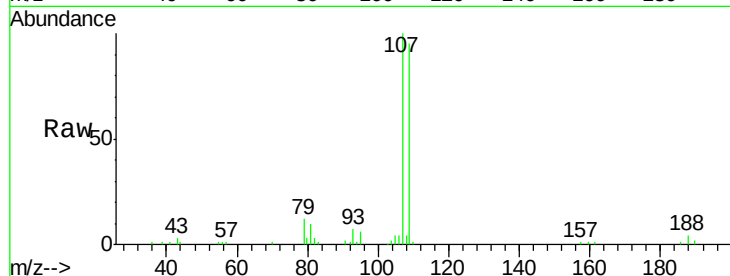
VD0624SBS01

Tot Ion:107 Resp: 143932

Ion Ratio Lower Upper

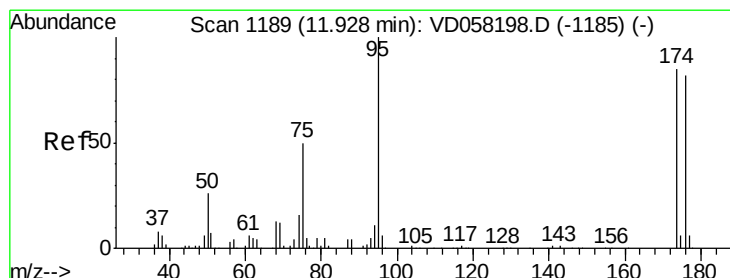
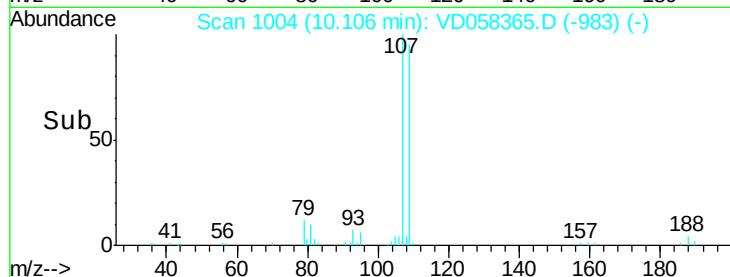
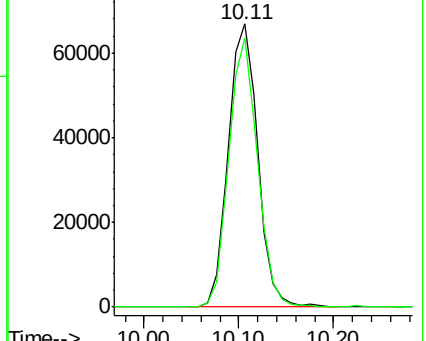
107 100

109 95.0 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.24 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

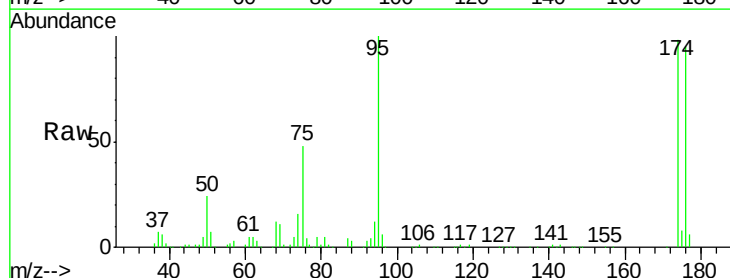
Tgt Ion: 95 Resp: 506923

Ion Ratio Lower Upper

95 100

174 98.2 0.0 170.2

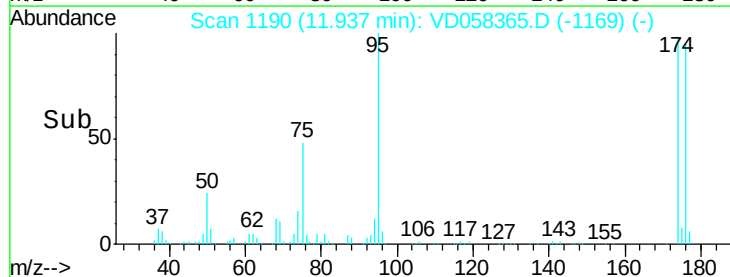
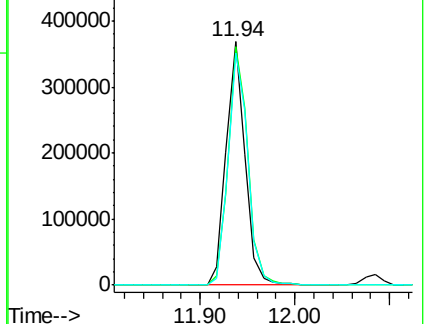
176 95.2 0.0 164.6

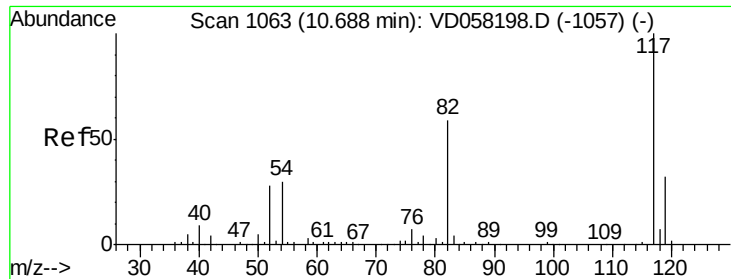


Abundance Ion 95.00 (94.70 to 95.70): V

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: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

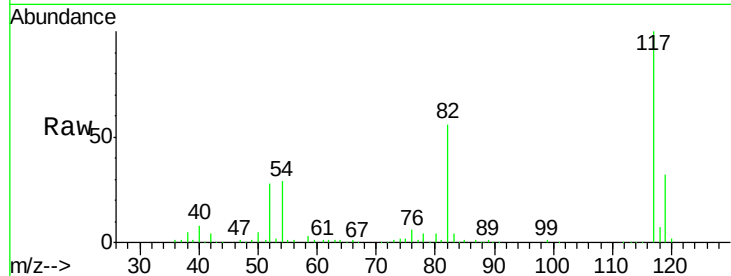
Tot Ion:117 Resp: 964129

Ion Ratio Lower Upper

117 100

82 56.4 47.0 70.6

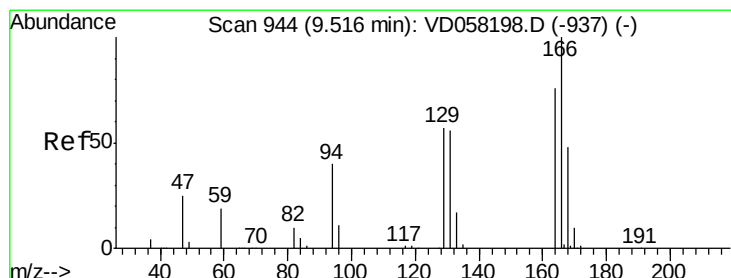
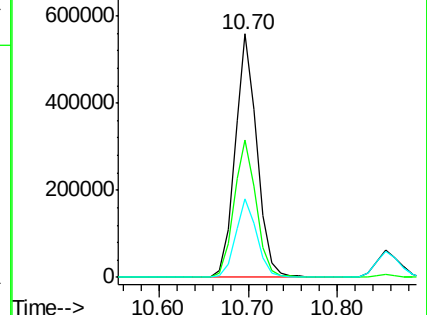
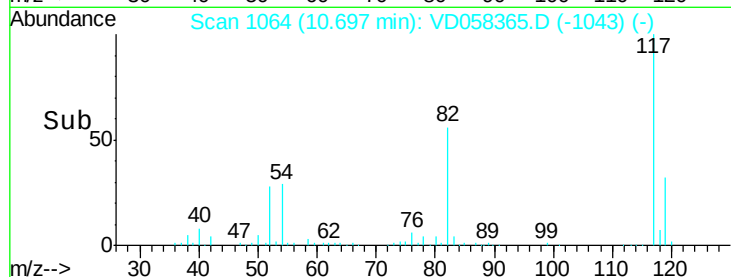
119 32.1 25.3 37.9



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: 24.55 ug/l

RT: 9.53 min Scan# 945

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Tgt Ion:164 Resp: 199128

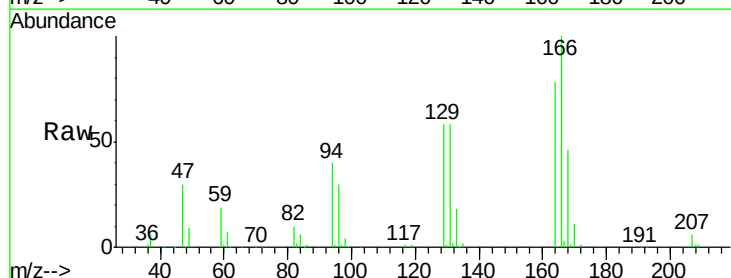
Ion Ratio Lower Upper

164 100

166 128.4 105.4 158.0

129 74.8 59.6 89.4

131 73.9 59.4 89.2

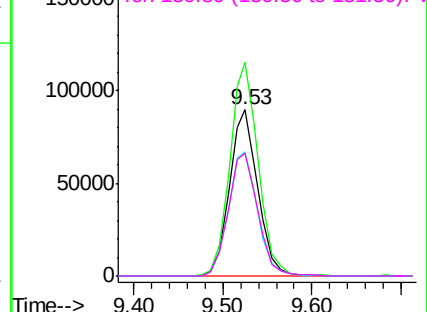
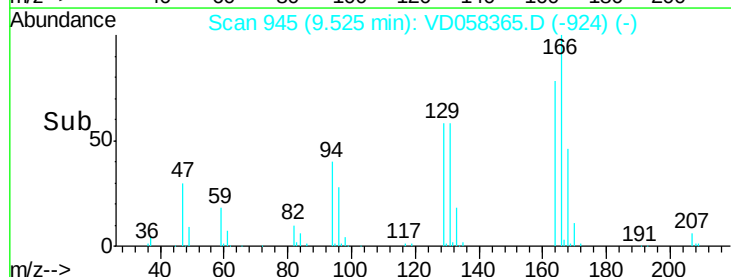


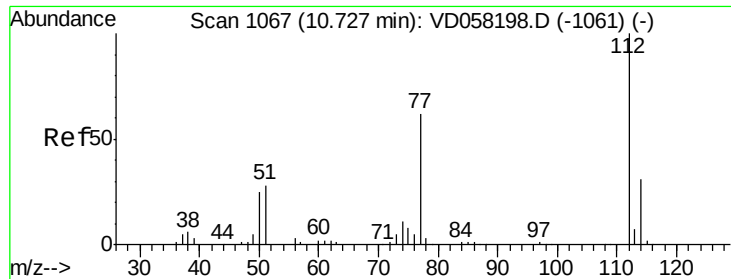
Abundance Ion 163.85 (163.55 to 164.55): V

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

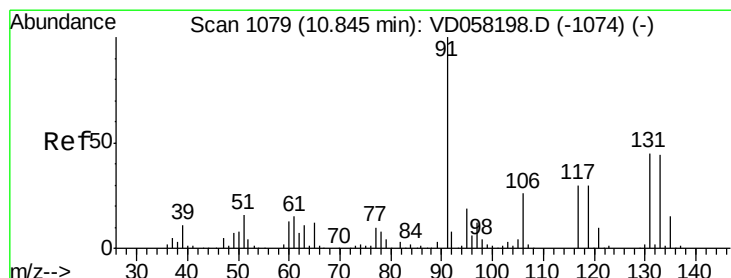
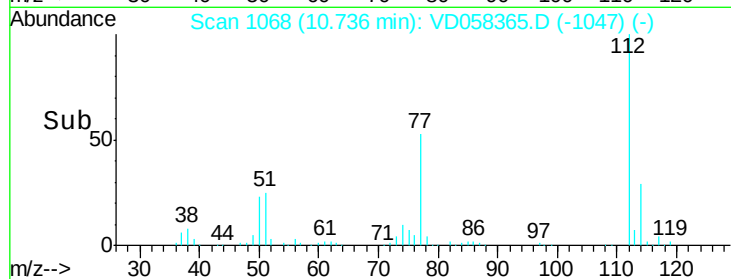
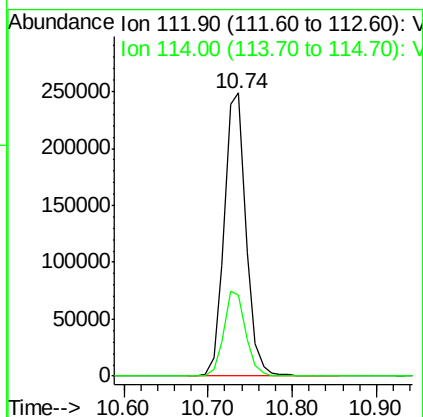
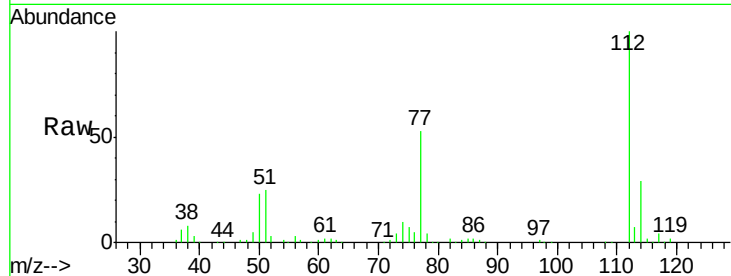




#65
Chlorobenzene
Concen: 24.78 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

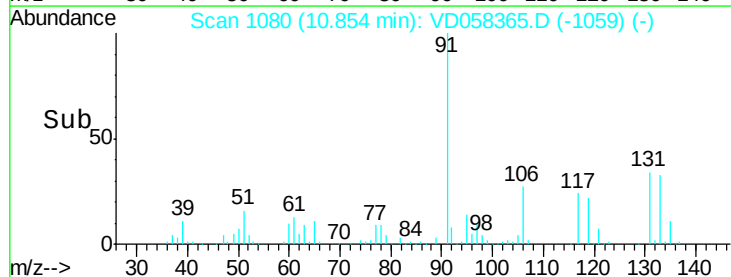
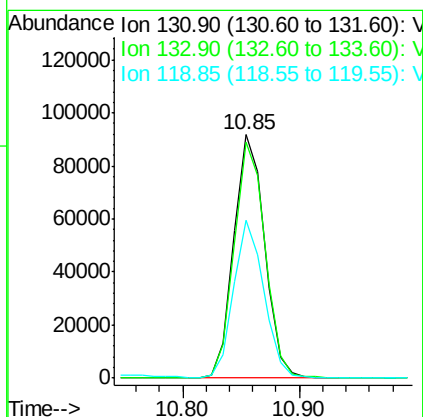
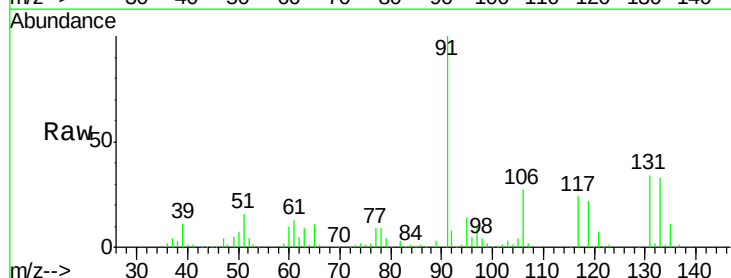
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

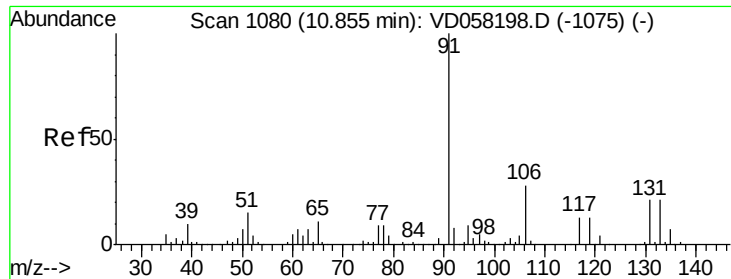
Tot Ion:112 Resp: 446915
Ion Ratio Lower Upper
112 100
114 28.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 24.15 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion:131 Resp: 168102
Ion Ratio Lower Upper
131 100
133 96.9 48.6 145.9
119 64.7 33.0 99.0

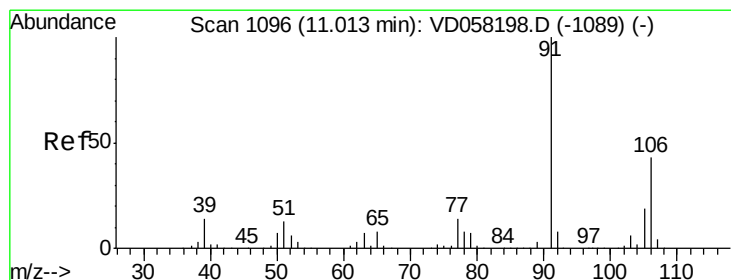
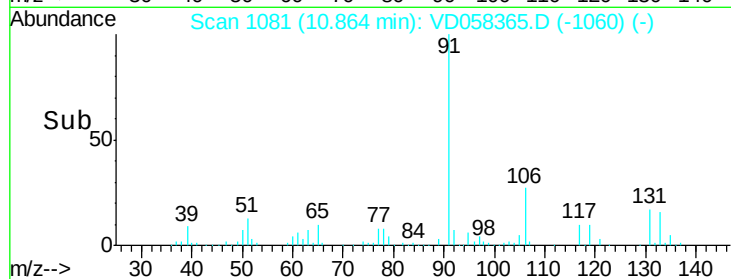
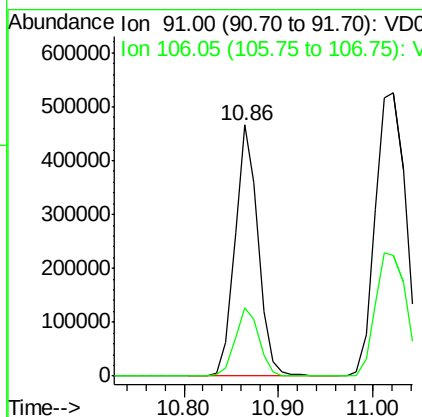
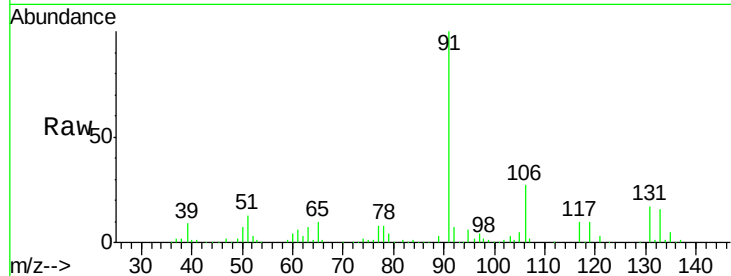




#67
Ethyl Benzene
Concen: 24.55 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

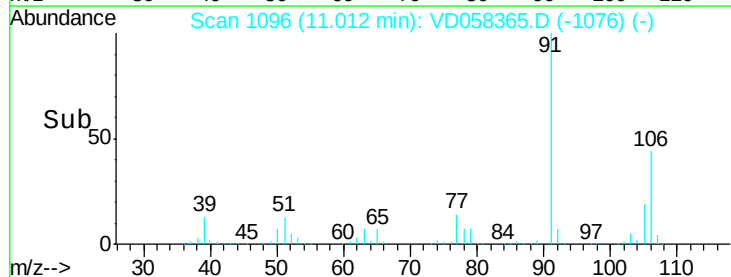
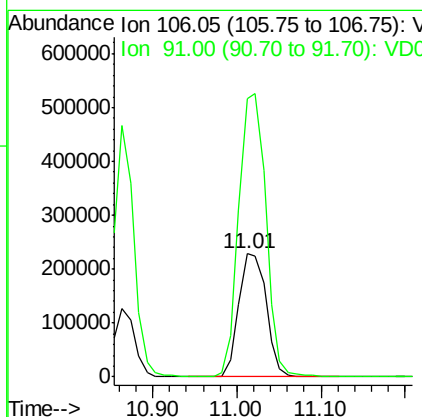
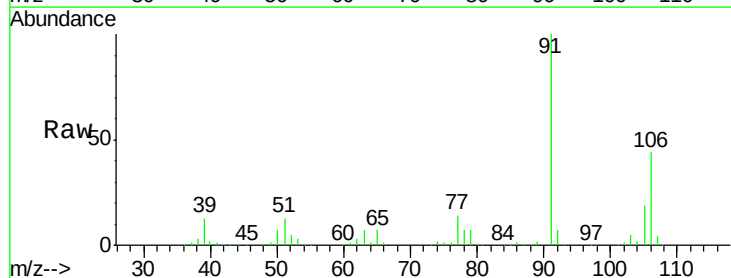
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

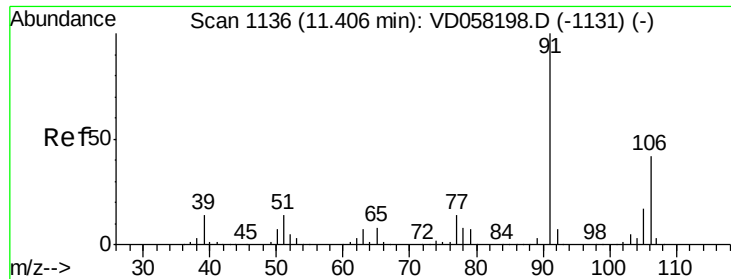
Tot Ion: 91 Resp: 781749
Ion Ratio Lower Upper
91 100
106 27.0 22.0 33.0



#68
m/p-Xylenes
Concen: 49.17 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion: 106 Resp: 522105
Ion Ratio Lower Upper
106 100
91 225.7 185.0 277.6

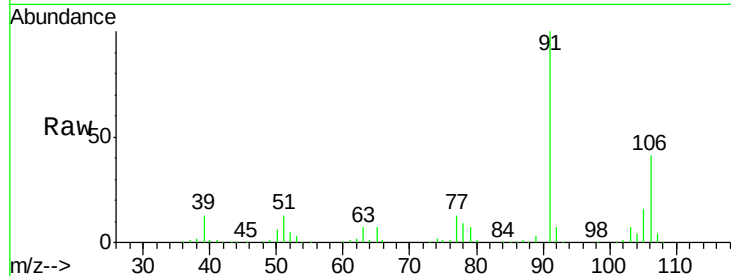




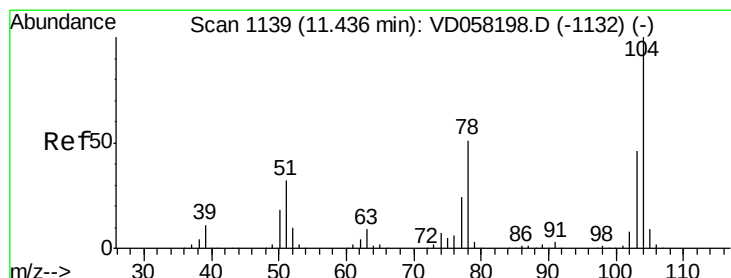
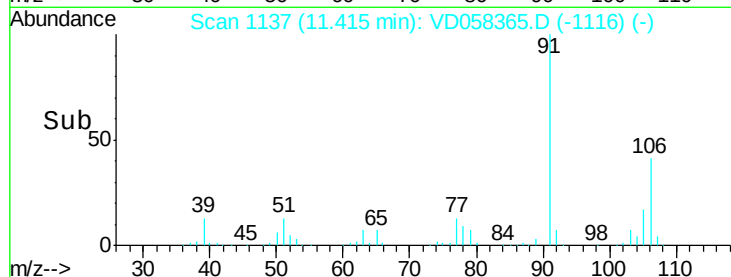
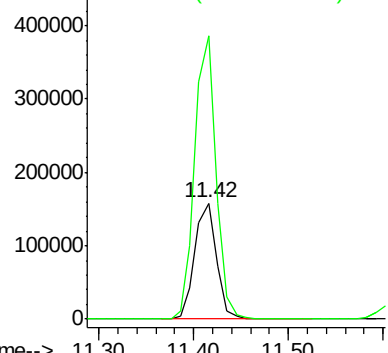
#69
o-Xylene
Concen: 24.85 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion:106 Resp: 252050
Ion Ratio Lower Upper
106 100
91 243.4 120.2 360.6

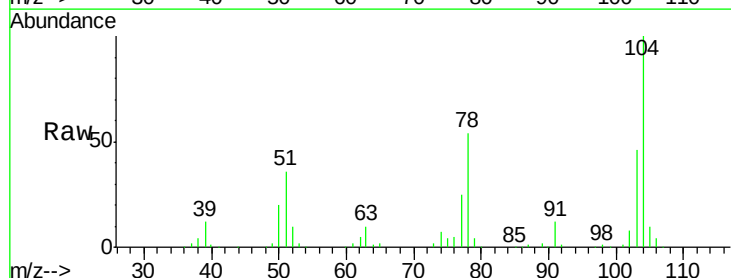


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

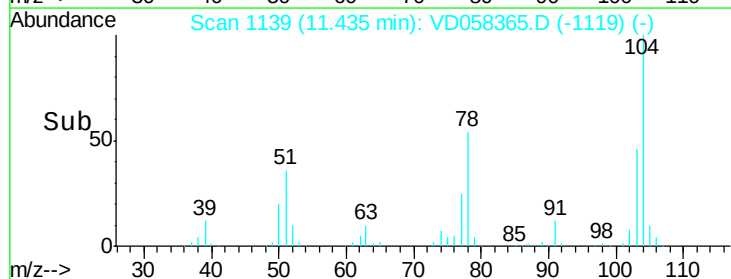
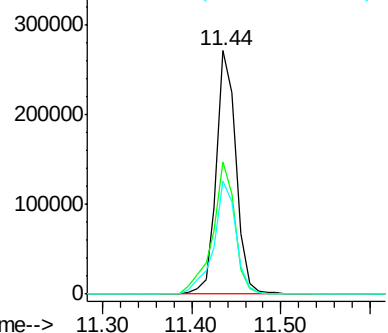


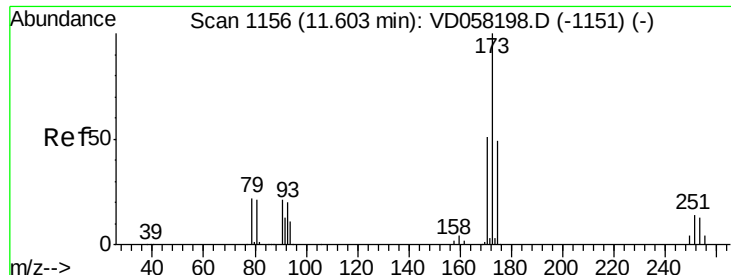
#70
Styrene
Concen: 24.03 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion:104 Resp: 415885
Ion Ratio Lower Upper
104 100
78 54.2 40.8 61.2
103 46.4 37.0 55.6



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

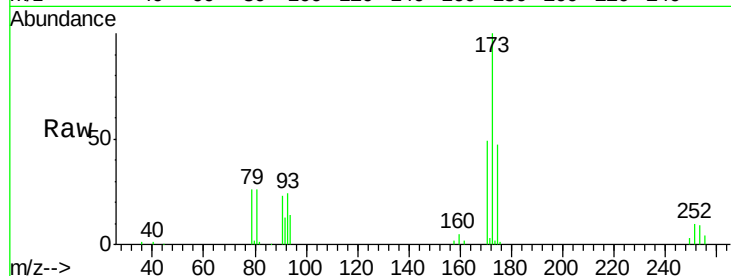




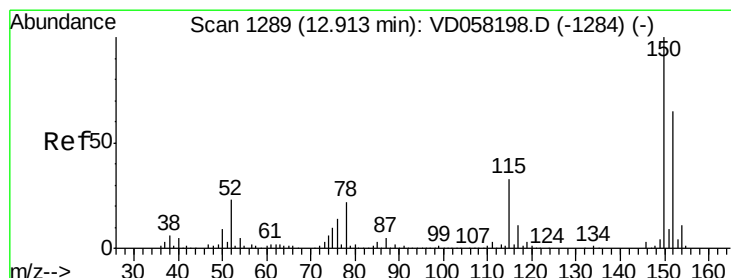
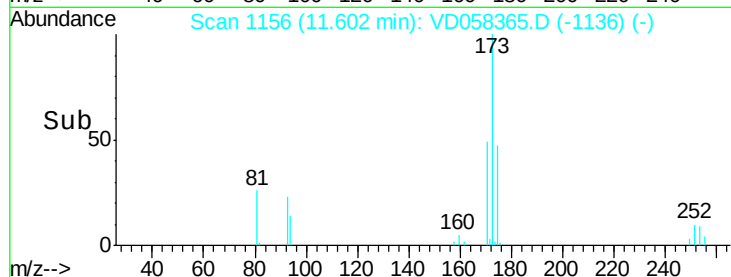
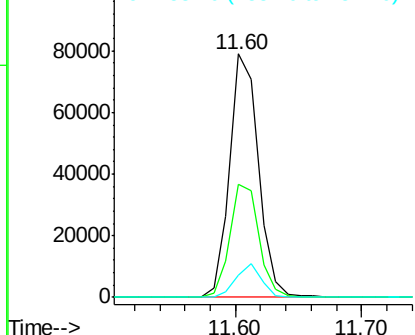
#71
Bromoform
Concen: 22.30 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion:173 Resp: 123795
Ion Ratio Lower Upper
173 100
175 46.6 24.6 74.0
254 9.3 10.3 15.5#

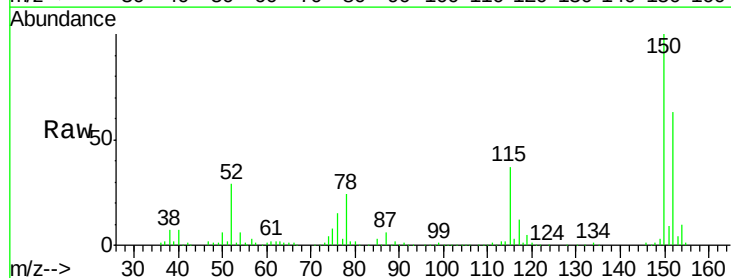


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

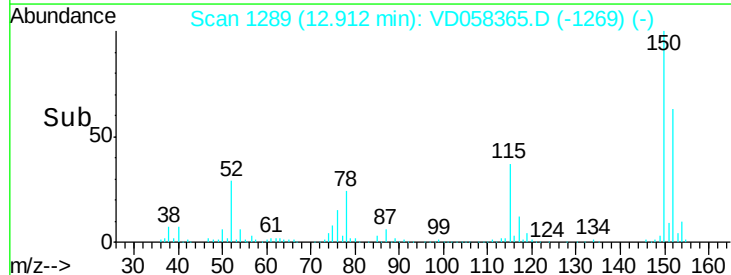
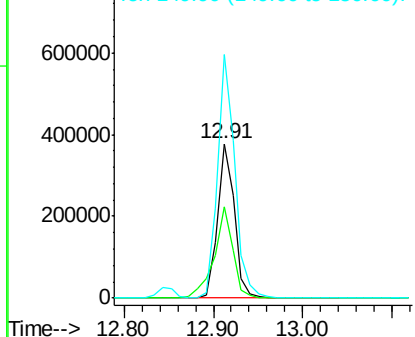


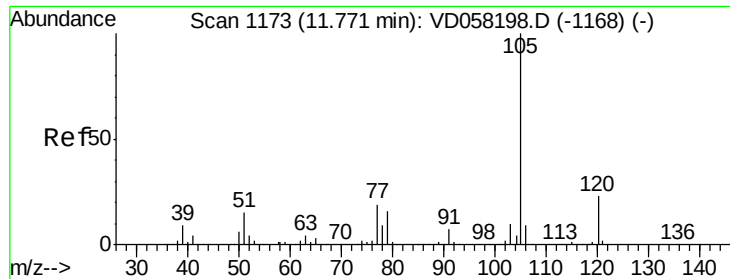
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058365.D
Acq: 24 Jun 2018 12:08

Tgt Ion:152 Resp: 495741
Ion Ratio Lower Upper
152 100
115 59.1 25.1 75.3
150 157.7 0.0 308.8



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: 25.01 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

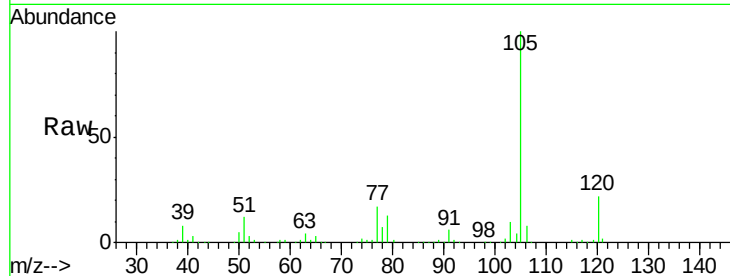
VD0624SBS01

Tot Ion:105 Resp: 741483

Ion Ratio Lower Upper

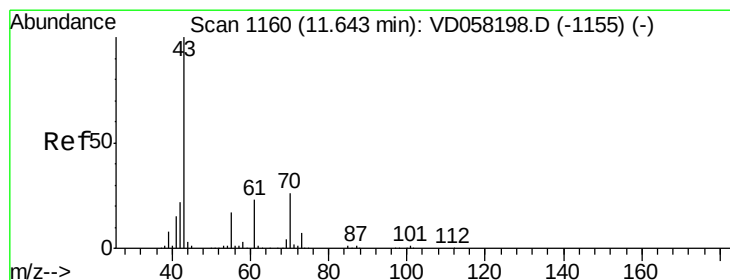
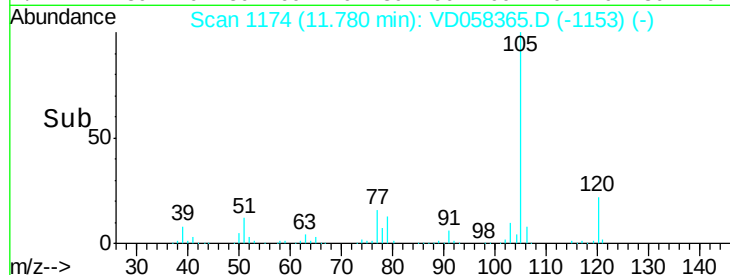
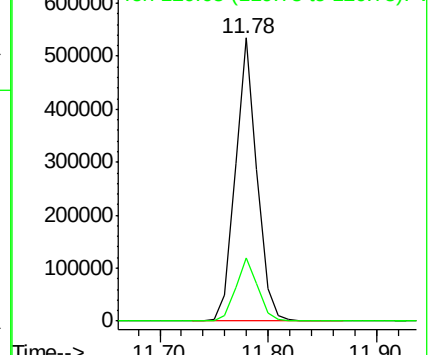
105 100

120 22.4 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.71 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Tgt Ion: 43 Resp: 248957

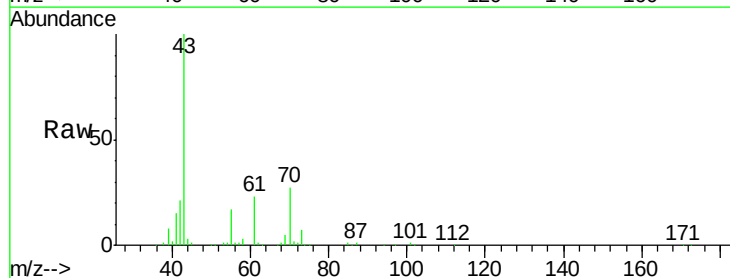
Ion Ratio Lower Upper

43 100

70 26.9 20.9 31.3

55 16.8 13.5 20.3

61 23.0 18.2 27.2

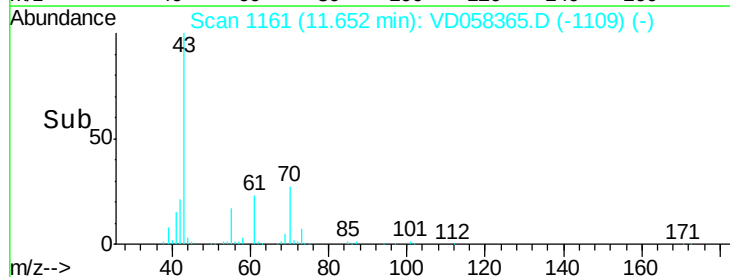
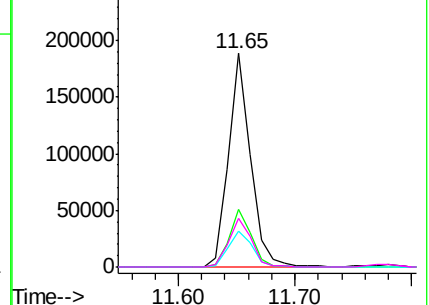


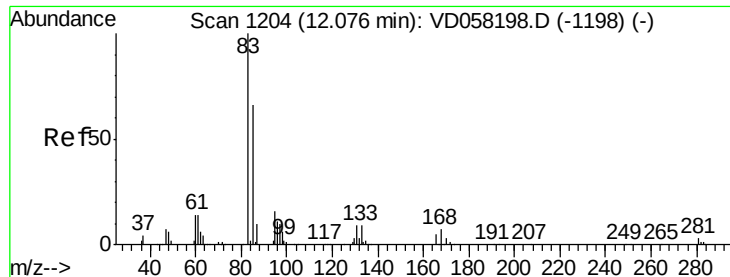
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.85 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

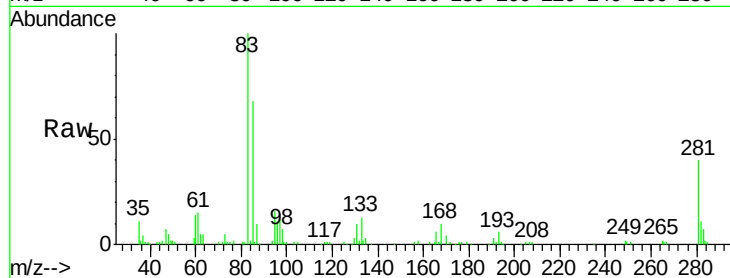
Tot Ion: 83 Resp: 143885

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

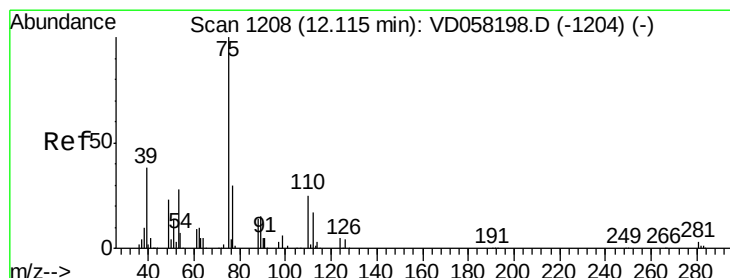
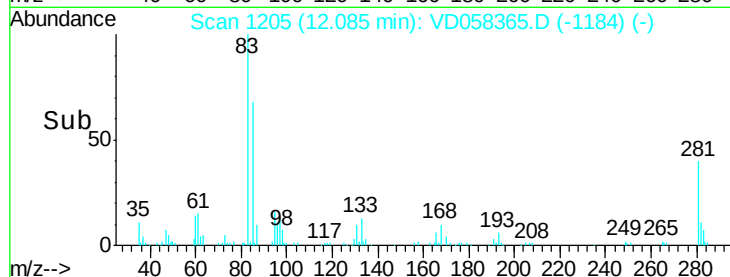
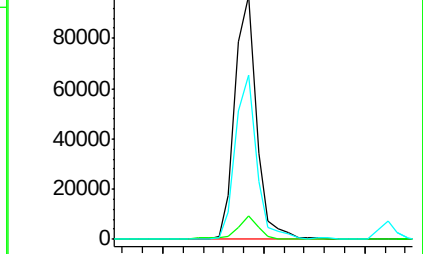
85 67.6 33.1 99.5



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: 21.31 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058365.D

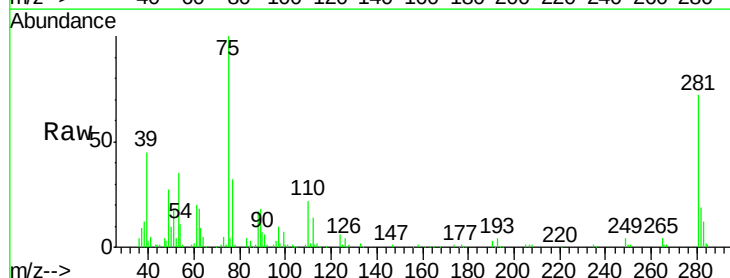
Acq: 24 Jun 2018 12:08

Tgt Ion: 75 Resp: 154264

Ion Ratio Lower Upper

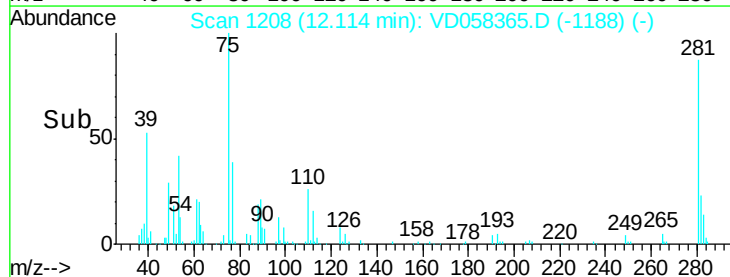
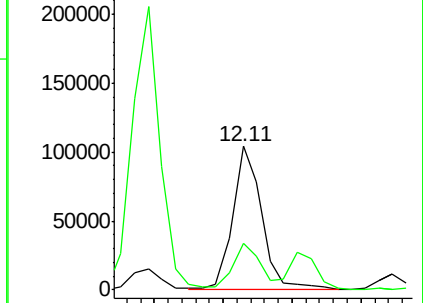
75 100

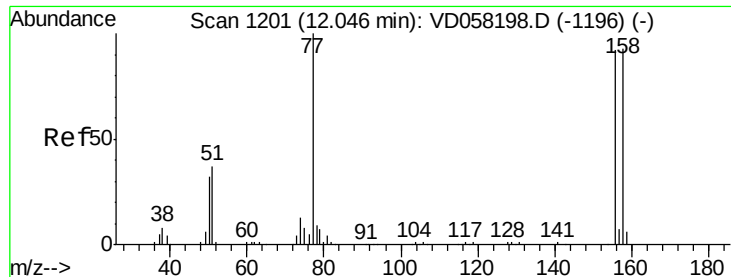
77 32.1 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 24.39 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

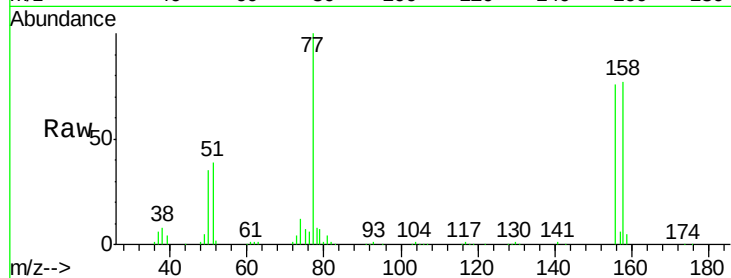
Tot Ion:156 Resp: 216557

Ion Ratio Lower Upper

156 100

77 131.1 54.5 163.6

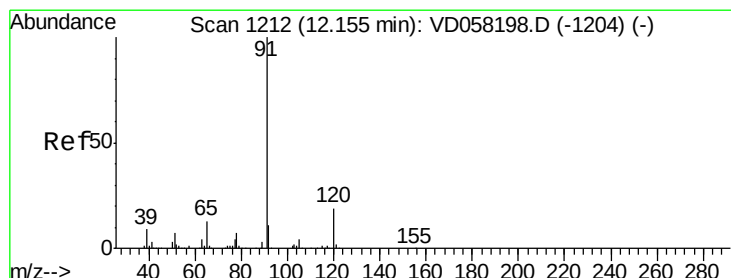
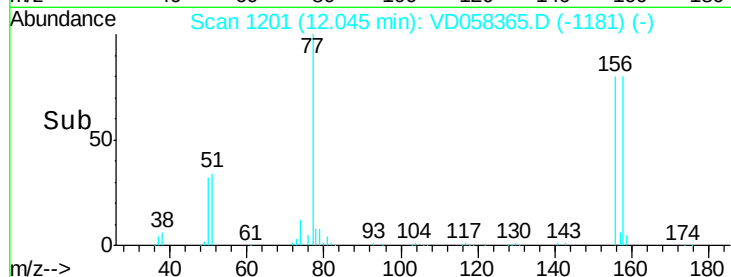
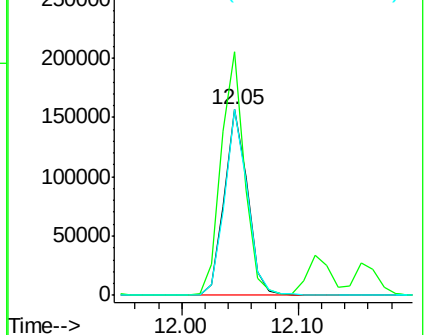
158 100.3 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 24.49 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058365.D

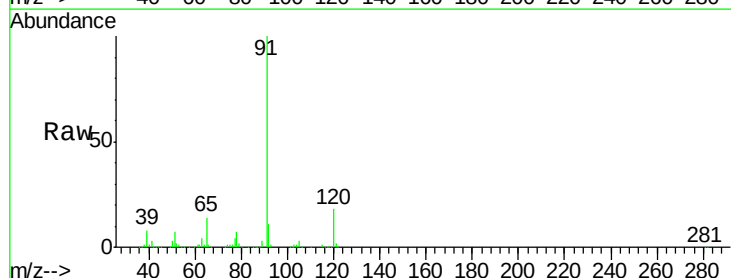
Acq: 24 Jun 2018 12:08

Tgt Ion: 91 Resp: 937860

Ion Ratio Lower Upper

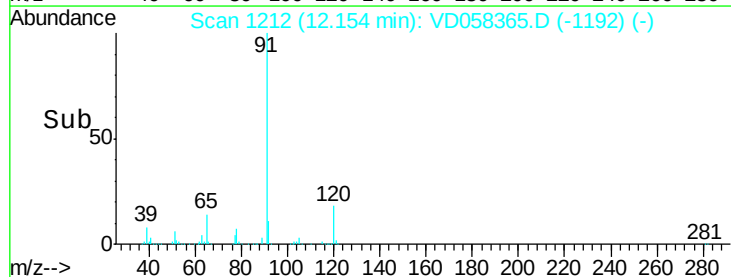
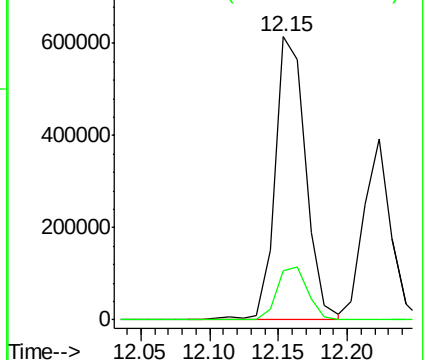
91 100

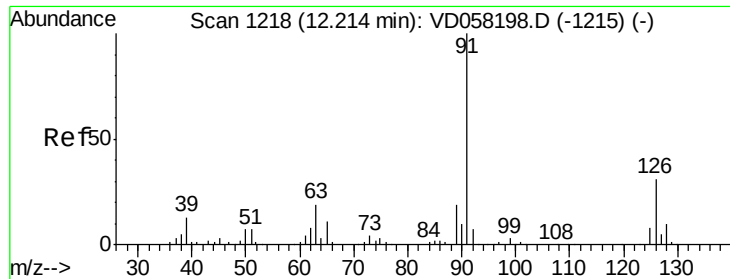
120 17.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

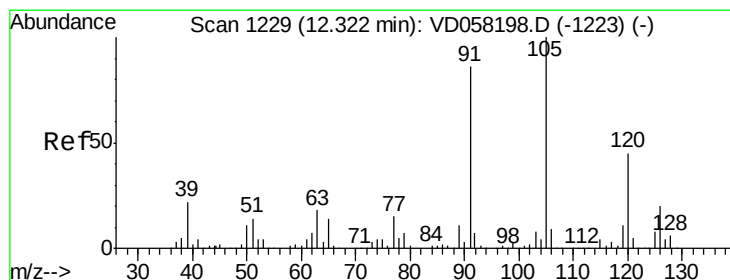
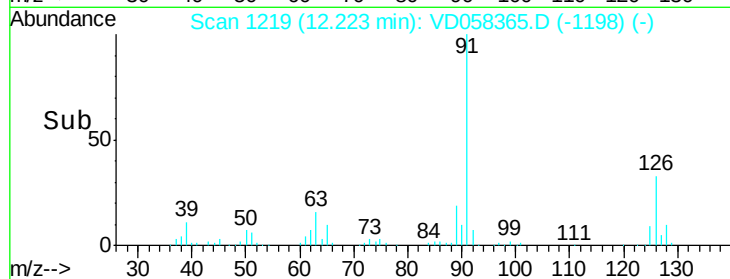
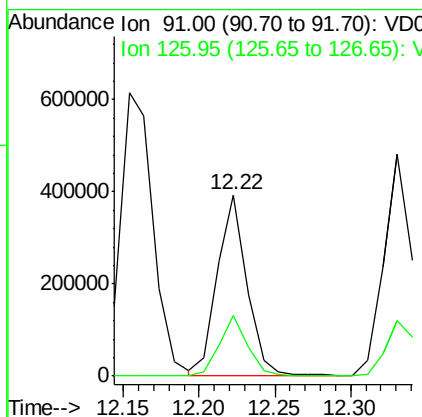
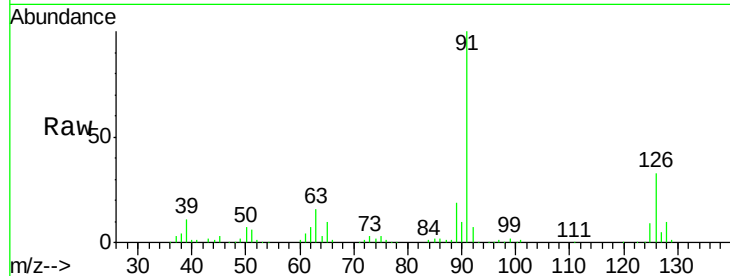




#79
 2-Chlorotoluene
 Concen: 24.16 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

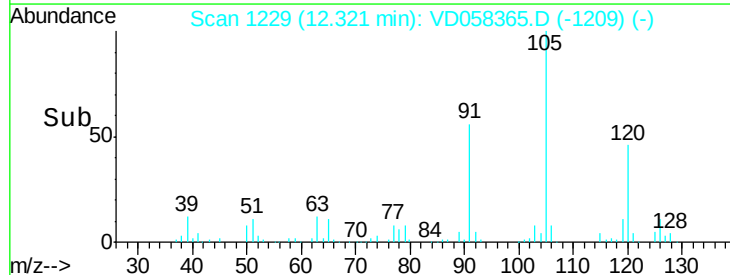
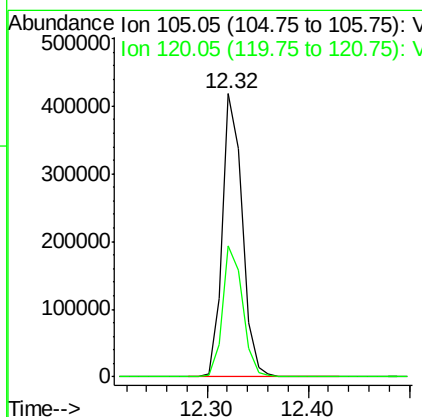
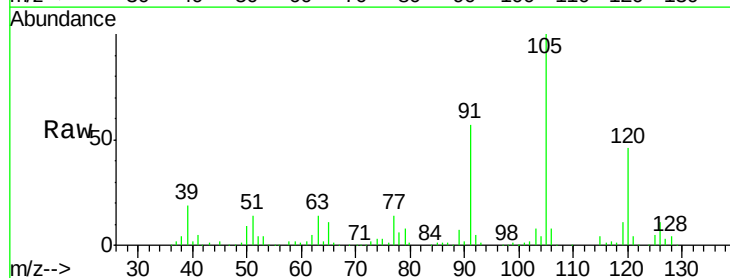
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

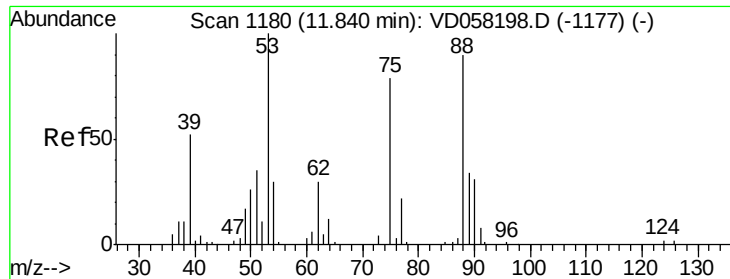
Tot Ion: 91 Resp: 529444
 Ion Ratio Lower Upper
 91 100
 126 33.2 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 25.04 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 105 Resp: 579015
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 21.18 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

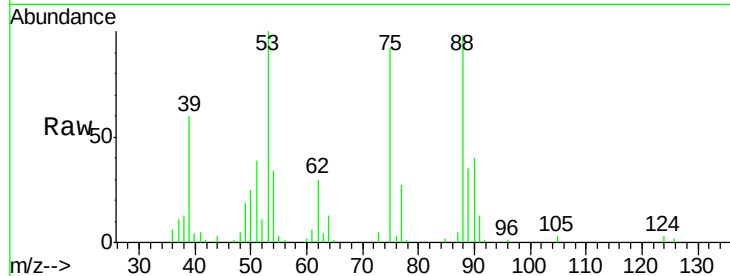
Tot Ion: 75 Resp: 37391

Ion Ratio Lower Upper

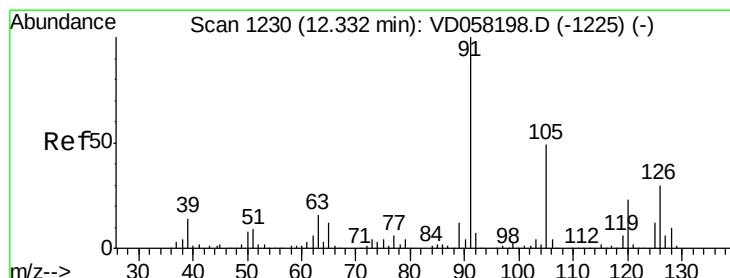
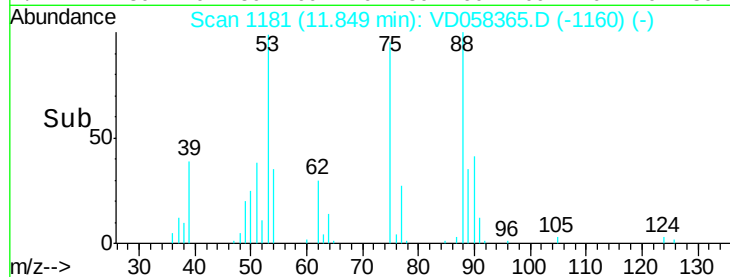
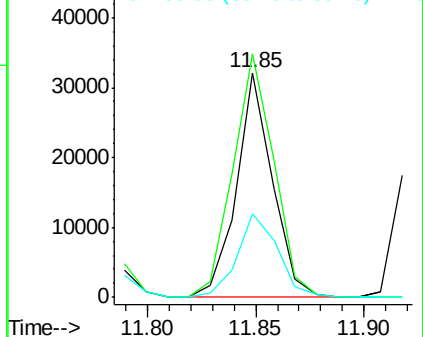
75 100

53 108.3 100.8 151.2

89 37.4 34.6 52.0



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: 26.69 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD058365.D

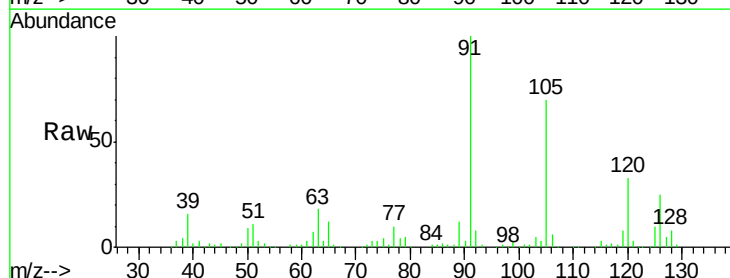
Acq: 24 Jun 2018 12:08

Tgt Ion: 91 Resp: 624184

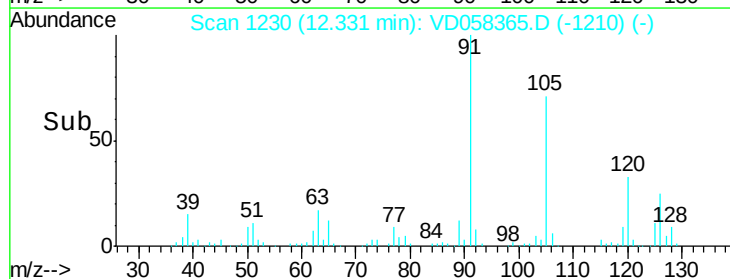
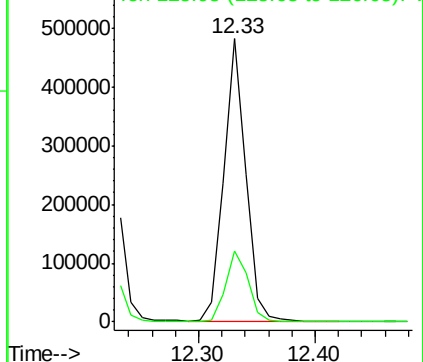
Ion Ratio Lower Upper

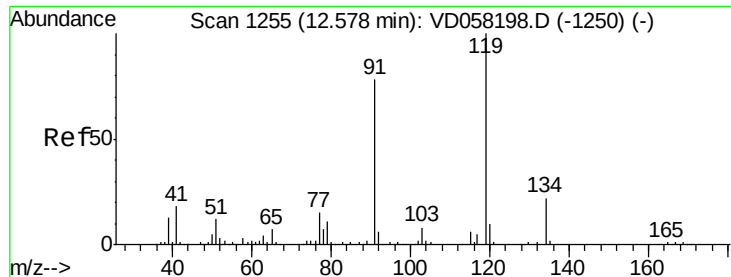
91 100

126 24.8 14.9 44.9



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

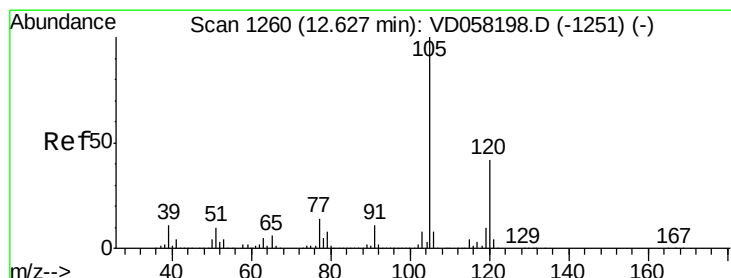
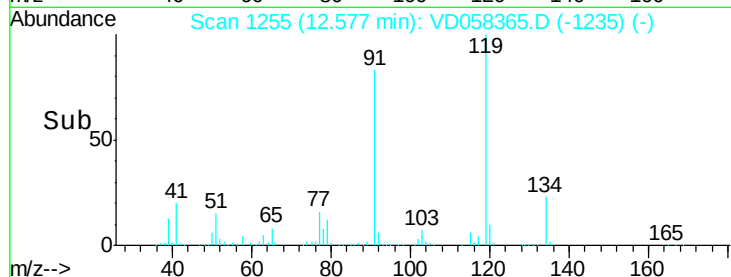
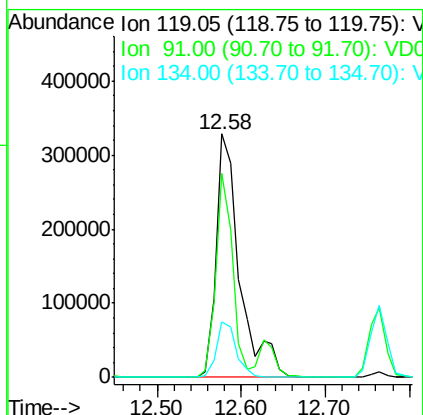
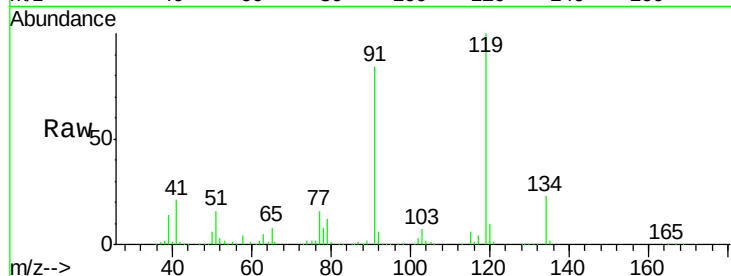




#83
 tert-Butylbenzene
 Concen: 24.02 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

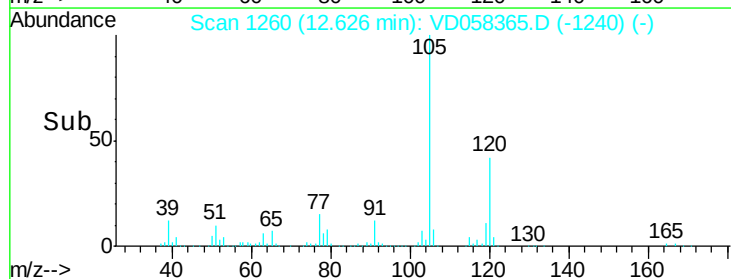
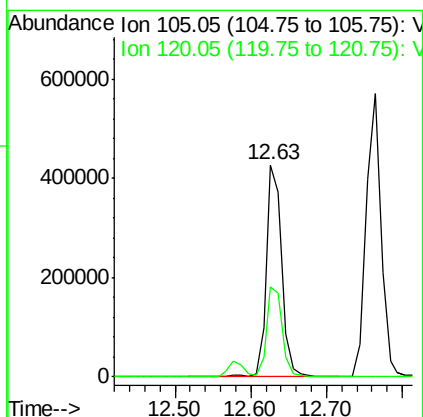
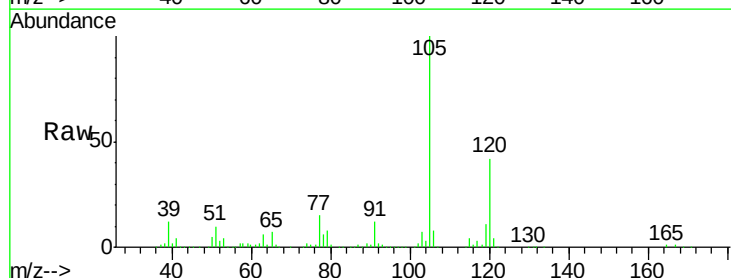
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

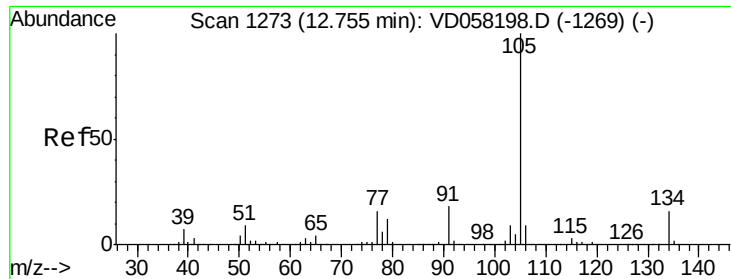
Tot Ion:119 Resp: 638727
 Ion Ratio Lower Upper
 119 100
 91 83.9 38.9 116.6
 134 22.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 24.15 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion:105 Resp: 607068
 Ion Ratio Lower Upper
 105 100
 120 42.4 20.8 62.4





#85

sec-Butylbenzene

Concen: 24.53 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

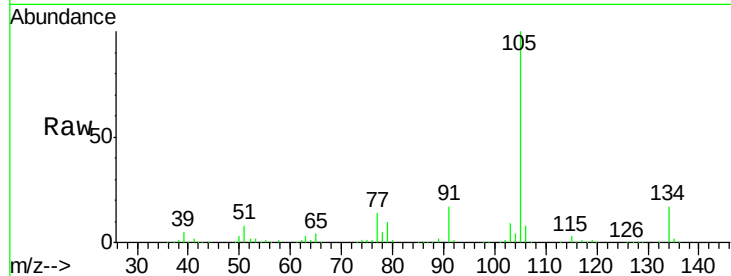
VD0624SBS01

Tot Ion:105 Resp: 764687

Ion Ratio Lower Upper

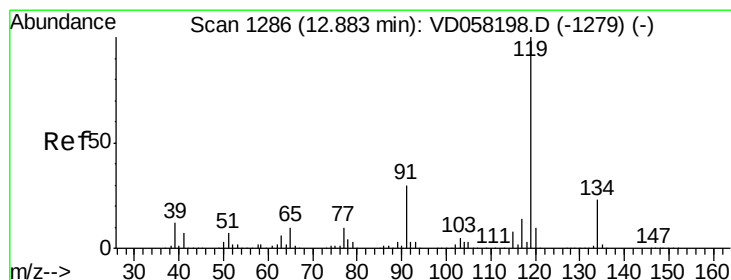
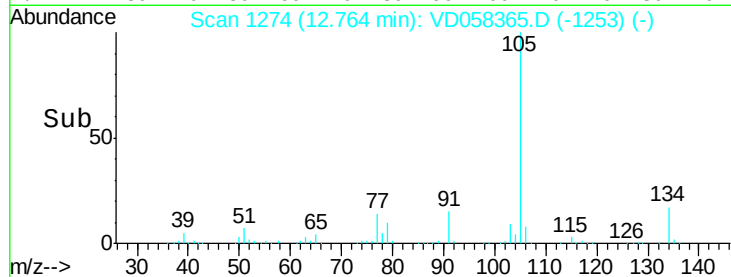
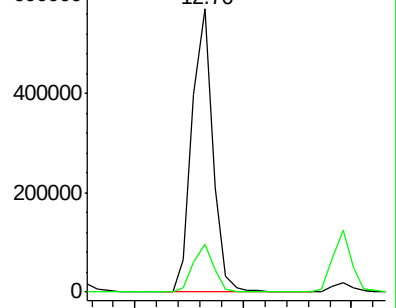
105 100

134 16.9 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 25.41 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

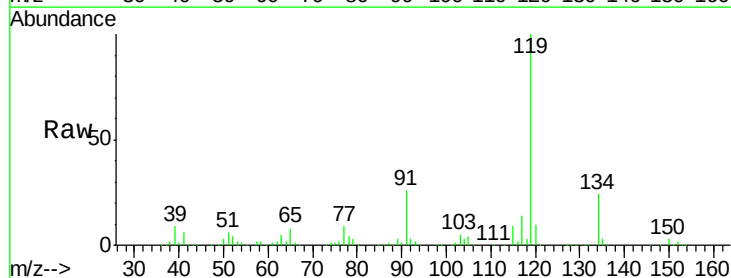
Tgt Ion:119 Resp: 641676

Ion Ratio Lower Upper

119 100

134 24.0 11.6 34.8

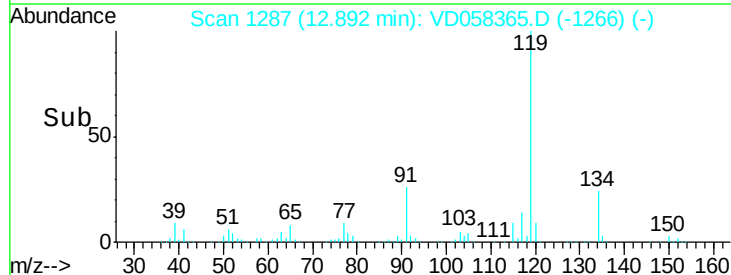
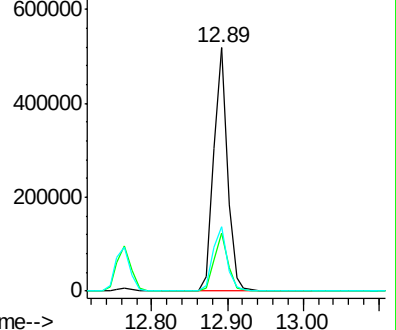
91 26.3 15.0 45.1

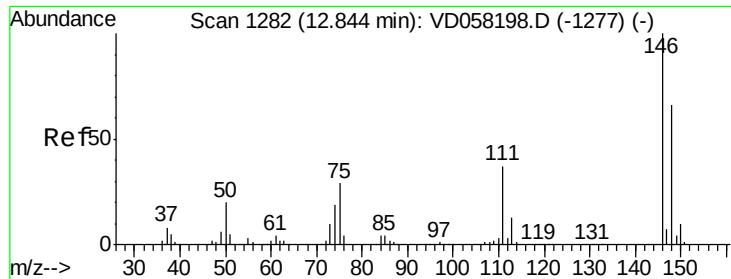


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

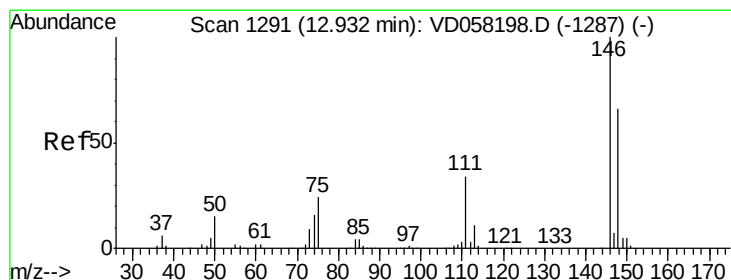
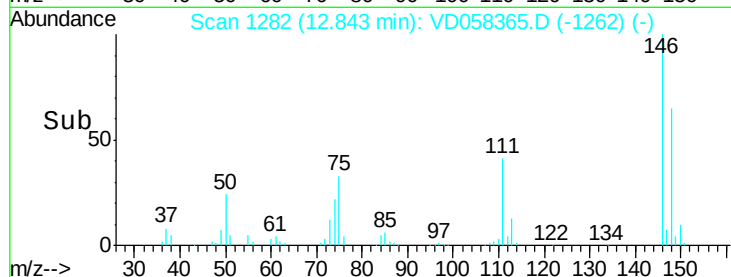
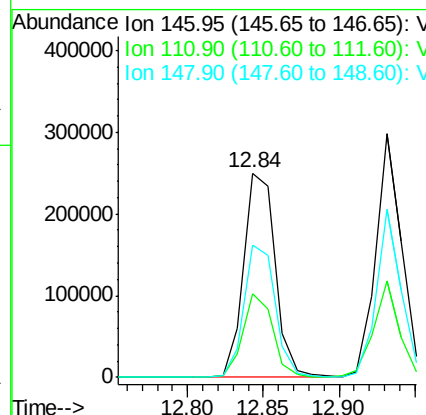
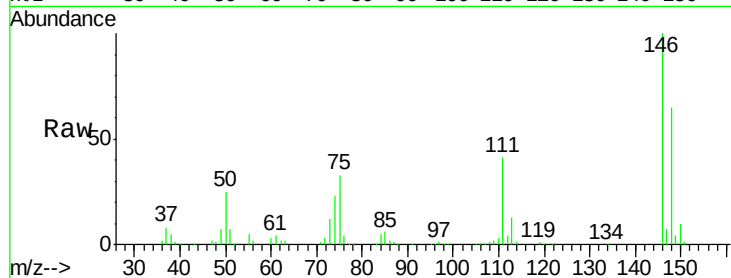




#87
 1,3-Dichlorobenzene
 Concen: 23.50 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

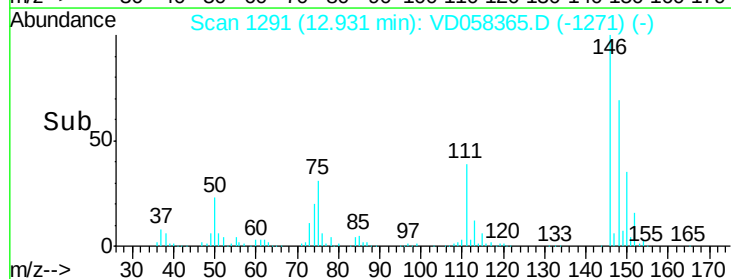
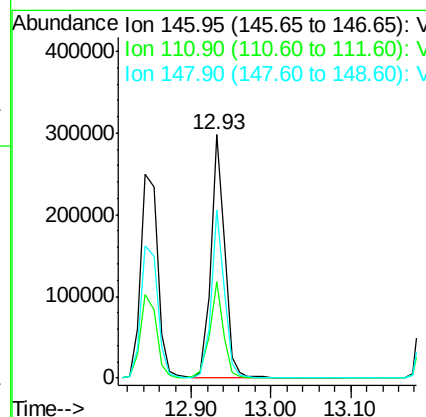
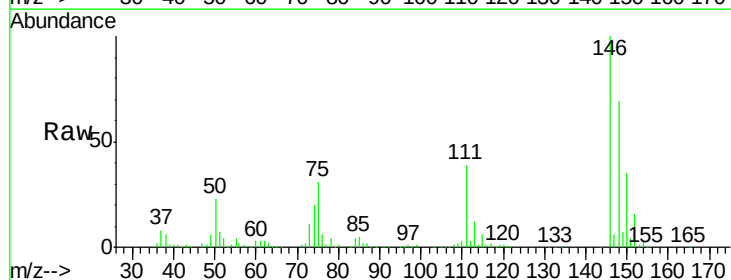
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

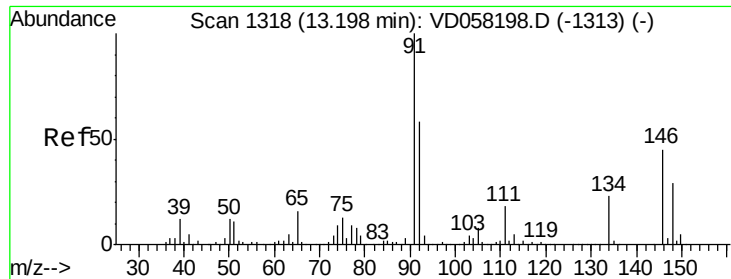
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	18.4	55.0
148	64.9	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 23.84 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	17.2	51.5
148	69.0	33.1	99.3





#89

n-Butylbenzene

Concen: 23.93 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

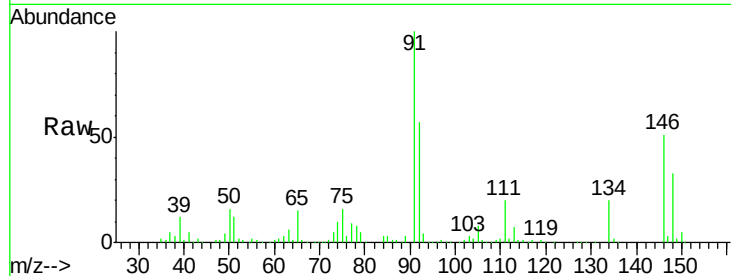
Tot Ion: 91 Resp: 635349

Ion Ratio Lower Upper

91 100

92 57.0 29.2 87.6

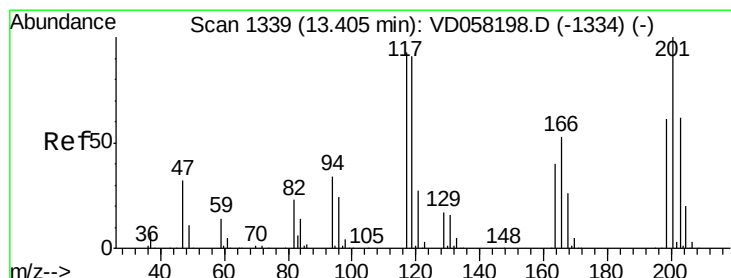
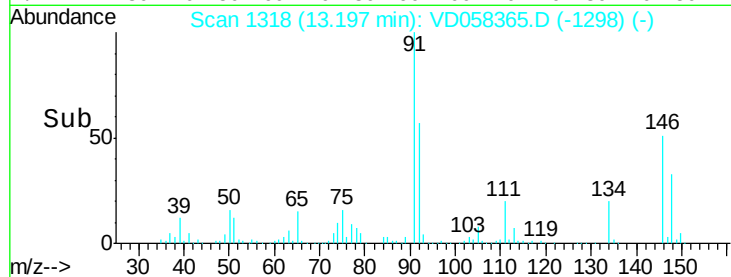
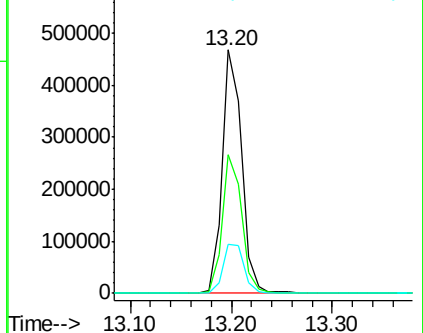
134 19.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 23.24 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VD058365.D

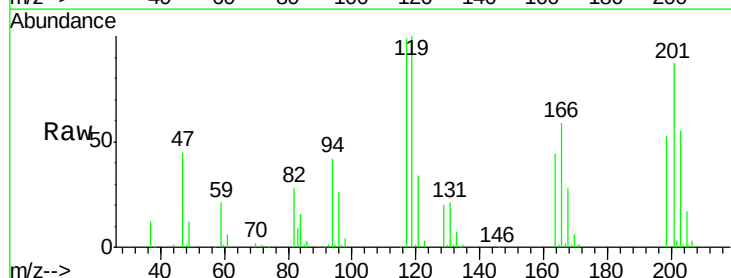
Acq: 24 Jun 2018 12:08

Tgt Ion: 117 Resp: 152362

Ion Ratio Lower Upper

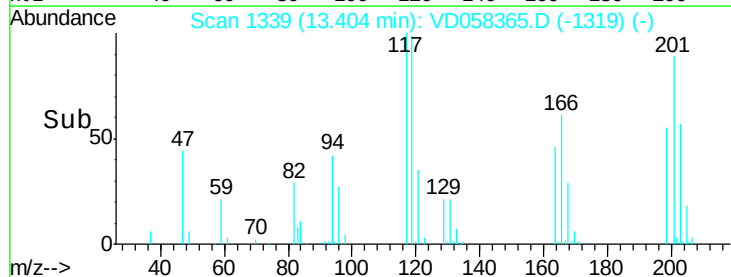
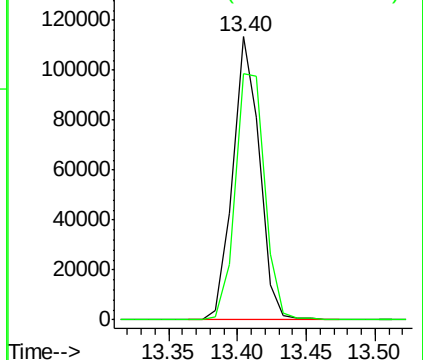
117 100

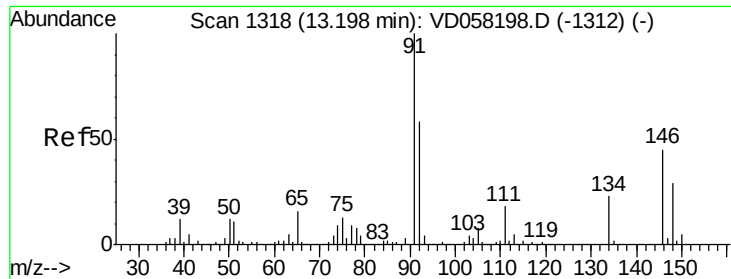
201 87.0 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

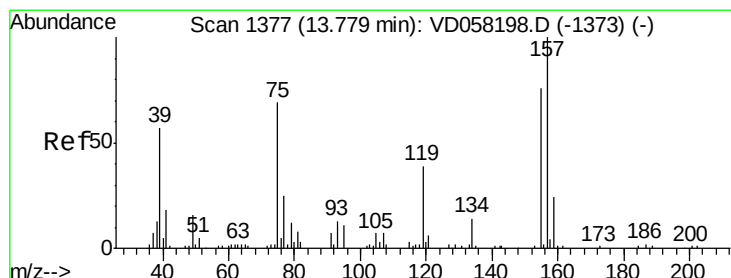
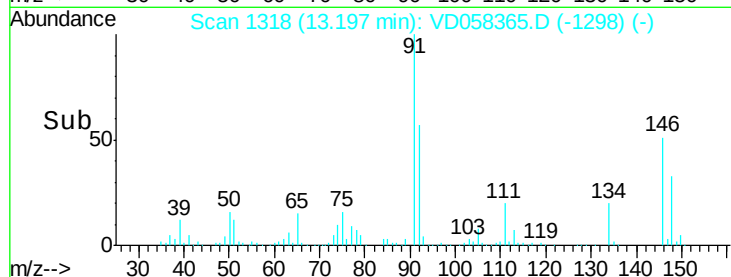
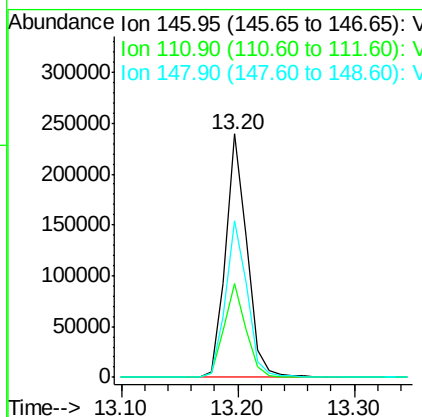
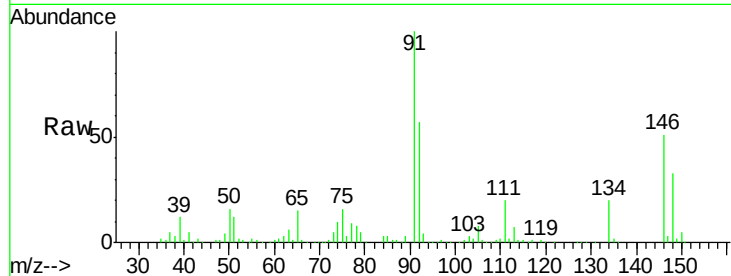




#91
 1,2-Dichlorobenzene
 Concen: 23.28 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

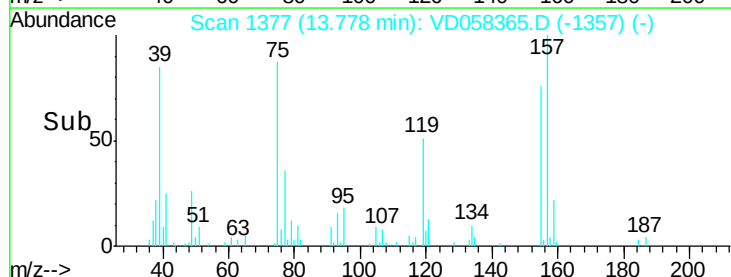
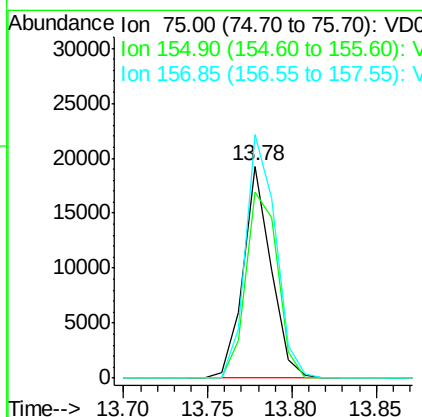
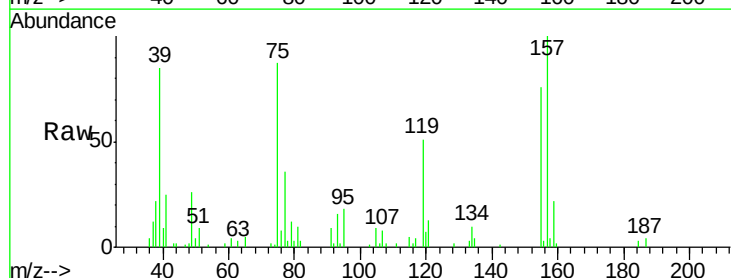
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

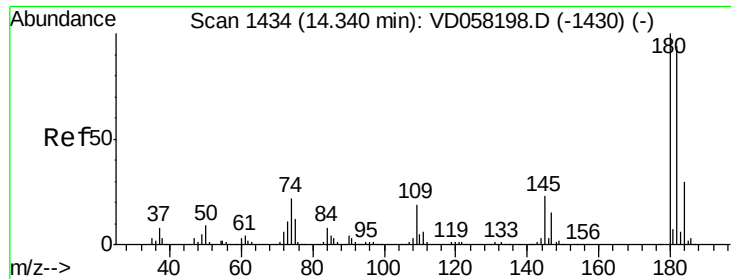
Tot Ion:146 Resp: 305773
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 64.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.17 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion: 75 Resp: 22156
 Ion Ratio Lower Upper
 75 100
 155 87.6 54.5 163.5
 157 114.8 72.0 215.9

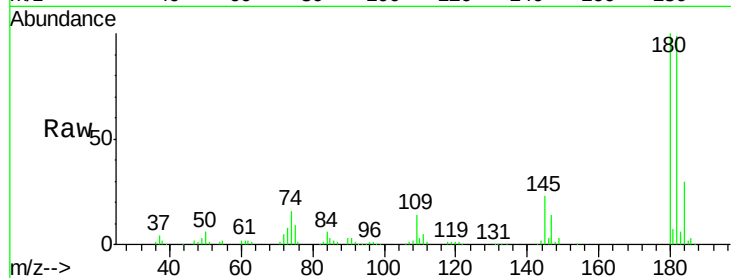




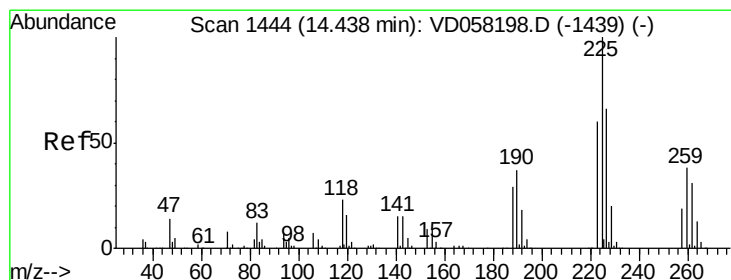
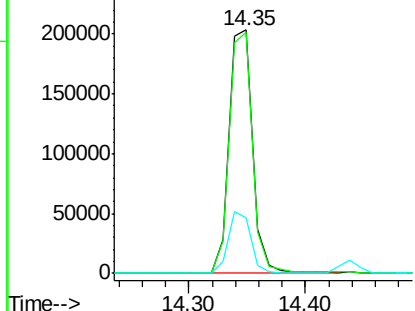
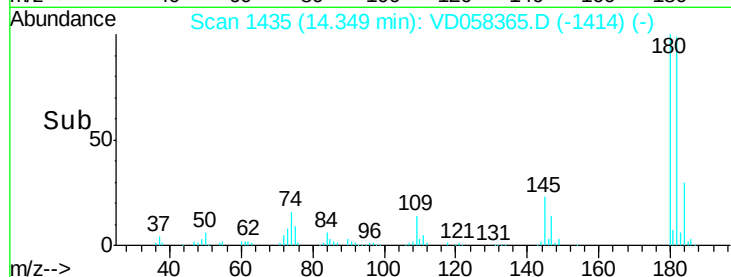
#93
 1,2,4-Trichlorobenzene
 Concen: 22.75 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

Tot Ion:180 Resp: 285760
 Ion Ratio Lower Upper
 180 100
 182 98.8 47.1 141.3
 145 22.7 11.7 35.0

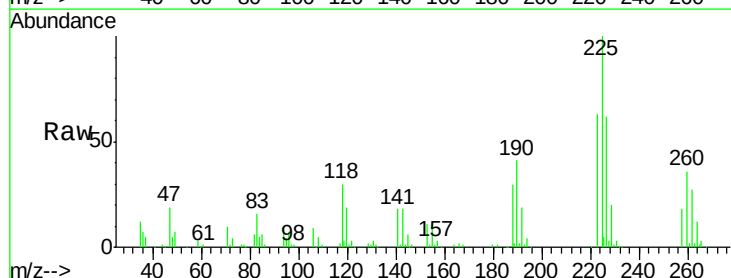


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

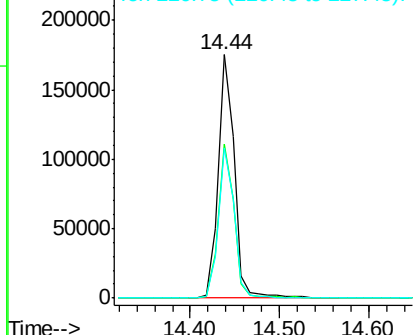
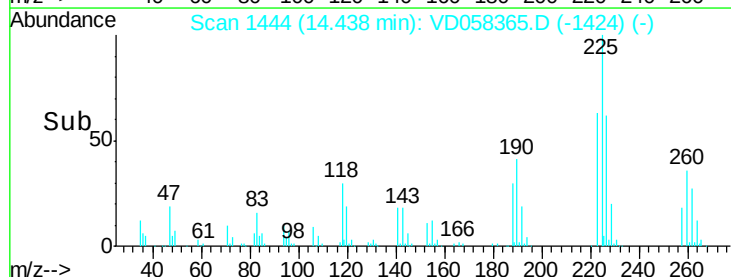


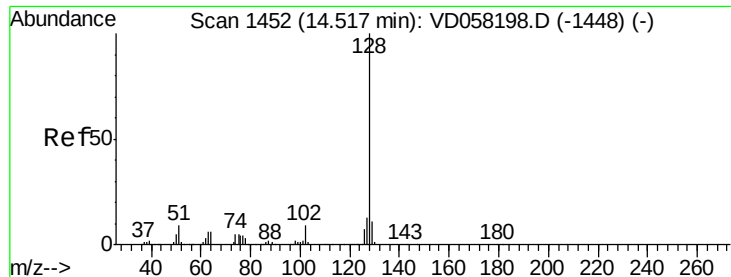
#94
 Hexachlorobutadiene
 Concen: 22.59 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058365.D
 Acq: 24 Jun 2018 12:08

Tgt Ion:225 Resp: 221942
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.1 90.3
 227 61.5 33.0 98.9



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: 21.86 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

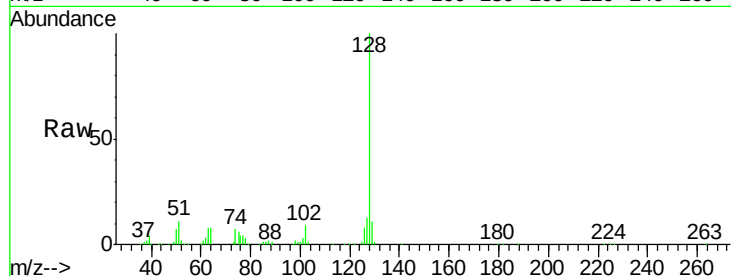
Tot Ion:128 Resp: 361621

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

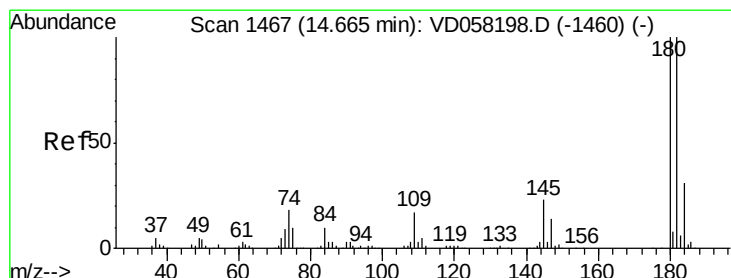
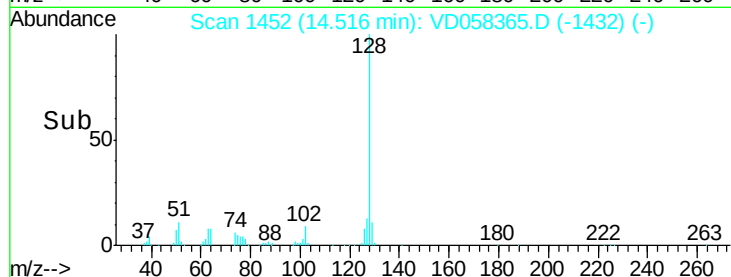
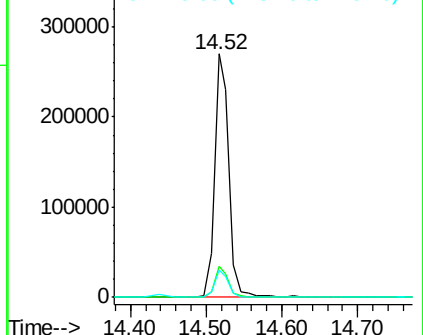
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.12 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058365.D

Acq: 24 Jun 2018 12:08

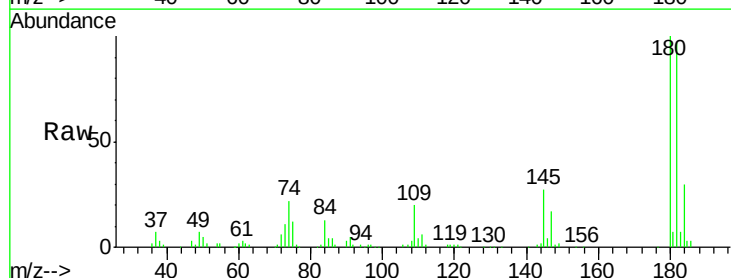
Tgt Ion:180 Resp: 243286

Ion Ratio Lower Upper

180 100

182 97.3 49.9 149.6

145 27.1 11.7 35.1



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

