

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059981.D
 Acq On : 6 Sep 2018 13:05
 Operator : JC/SY
 Sample : VD0906SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Quant Time: Sep 07 03:43:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1235167	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1654018	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1419900	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	771620	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	514200	49.39	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	6.30	113	692116	53.37	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	9.43	98	1884508	52.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.42	95	751234	51.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	151961	13.76	ug/l	96
3) Chloromethane	1.73	50	156103	15.61	ug/l	99
4) Vinyl Chloride	1.83	62	129594	16.52	ug/l	100
5) Bromomethane	2.10	94	10974	8.10	ug/l	92
6) Chloroethane	2.22	64	32667	11.52	ug/l	93
7) Trichlorofluoromethane	2.47	101	159537	17.58	ug/l	100
8) Diethyl Ether	2.79	74	36517	17.94	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.05	101	113803	20.48	ug/l	96
10) Methyl Iodide	3.21	142	84727	16.79	ug/l #	97
11) Tert butyl alcohol	3.95	59	82251	103.55	ug/l	98
12) 1,1-Dichloroethene	3.04	96	80304	18.56	ug/l	96
13) Acrolein	2.95	56	17819	51.72	ug/l	94
14) Allyl chloride	3.49	41	194298	19.85	ug/l	98
15) Acrylonitrile	4.05	53	308992	103.87	ug/l	97
16) Acetone	3.13	43	179515	94.65	ug/l	99
17) Carbon Disulfide	3.27	76	188893	14.07	ug/l	99
18) Methyl Acetate	3.52	43	68396	17.27	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	491216	20.07	ug/l	99
20) Methylene Chloride	3.68	84	258578	18.05	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	221603	18.59	ug/l	99
22) Diisopropyl ether	4.82	45	1006202	20.16	ug/l	99
23) Vinyl Acetate	4.77	43	2919408	104.64	ug/l	100
24) 1,1-Dichloroethane	4.72	63	425911	19.75	ug/l	99
25) 2-Butanone	5.60	43	504291	89.77	ug/l	97
26) 2,2-Dichloropropane	5.56	77	349861	19.41	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	269462	20.65	ug/l	98
28) Bromochloromethane	5.89	49	208365	20.16	ug/l	98
29) Tetrahydrofuran	5.93	42	265712	99.36	ug/l	99
30) Chloroform	6.08	83	445461	20.33	ug/l	100
31) Cyclohexane	6.34	56	341200	17.21	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	354525	19.06	ug/l	99
36) 1,1-Dichloropropene	6.49	75	293935	19.60	ug/l	99
37) Ethyl Acetate	5.68	43	252400	21.63	ug/l	96
38) Carbon Tetrachloride	6.47	117	288276	19.05	ug/l	98

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 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.02	83	310859	19.19	ug/l	96
40) Benzene	6.77	78	796497	20.43	ug/l	100
41) Methacrylonitrile	5.92	41	271584	46.21	ug/l #	78
42) 1,2-Dichloroethane	6.87	62	248112	19.82	ug/l	98
43) Isopropyl Acetate	8.33	43	317375	20.91	ug/l	99
44) Trichloroethene	7.71	130	242746	21.15	ug/l	99
45) 1,2-Dichloropropane	8.09	63	233453	21.42	ug/l	99
46) Dibromomethane	8.20	93	146509	20.91	ug/l	96
47) Bromodichloromethane	8.47	83	321063	20.24	ug/l	96
48) Methyl methacrylate	8.22	41	179874	20.33	ug/l	97
49) 1,4-Dioxane	8.21	88	35393	448.03	ug/l #	88
51) 4-Methyl-2-Pentanone	9.33	43	1055809	93.30	ug/l	98
52) Toluene	9.53	92	526872	21.08	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	294791	20.09	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	349445	20.54	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	198160	21.68	ug/l	98
56) Ethyl methacrylate	10.02	69	216203	20.50	ug/l	98
57) 1,3-Dichloropropane	10.37	76	289292	21.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	607335	120.04	ug/l	97
59) 2-Hexanone	10.48	43	796168	95.39	ug/l	99
60) Dibromochloromethane	10.63	129	233921	20.37	ug/l	97
61) 1,2-Dibromoethane	10.74	107	197992	21.43	ug/l	98
64) Tetrachloroethene	10.24	164	223665	20.37	ug/l	97
65) Chlorobenzene	11.30	112	615074	21.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	222454	21.58	ug/l	99
67) Ethyl Benzene	11.42	91	1040769	21.93	ug/l	99
68) m/p-Xylenes	11.56	106	753418	43.59	ug/l	98
69) o-Xylene	11.92	106	365271	21.61	ug/l	100
70) Styrene	11.94	104	638554	21.82	ug/l	97
71) Bromoform	12.11	173	168413	18.88	ug/l #	95
73) Isopropylbenzene	12.27	105	1013072	20.57	ug/l	99
74) N-amyl acetate	12.13	43	409800	19.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	234111	20.55	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	238919	19.92	ug/l	100
77) Bromobenzene	12.53	156	290050	21.24	ug/l	87
78) n-propylbenzene	12.63	91	1319937	21.16	ug/l	98
79) 2-Chlorotoluene	12.70	91	723489	20.51	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	803116	20.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	64891	17.39	ug/l	93
82) 4-Chlorotoluene	12.80	91	811041	20.16	ug/l	94
83) tert-Butylbenzene	13.04	119	914429	20.50	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	840275	20.59	ug/l	99
85) sec-Butylbenzene	13.21	105	1097210	20.92	ug/l	99
86) p-Isopropyltoluene	13.33	119	896264	21.01	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	515055	21.13	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	521855	21.45	ug/l	97
89) n-Butylbenzene	13.64	91	926892	20.07	ug/l	96
90) Hexachloroethane	13.85	117	206301	18.01	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	461341	22.25	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	30924	17.65	ug/l	67

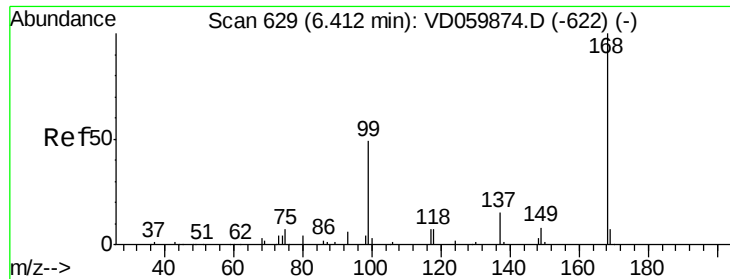
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	377493	21.27	ug/l	98
94) Hexachlorobutadiene	14.88	225	251453	21.61	ug/l	99
95) Naphthalene	14.97	128	563582	20.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	326710	21.52	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

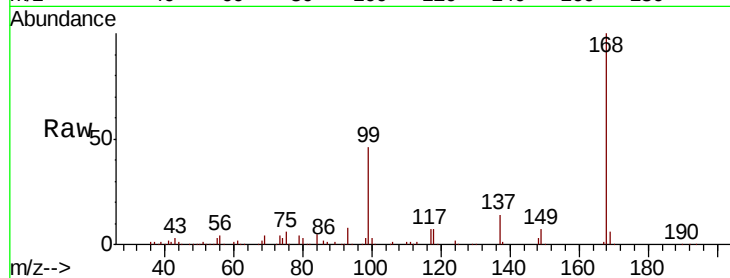
VD0906SBS01

Tot Ion:168 Resp: 1235167

Ion Ratio Lower Upper

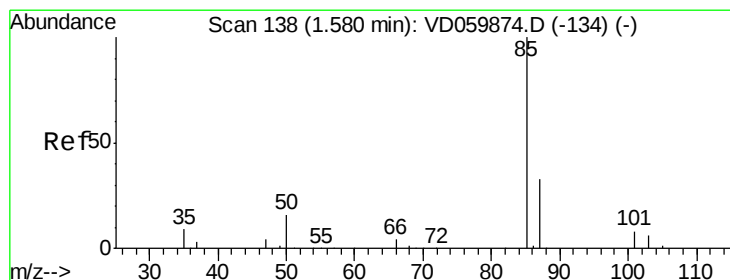
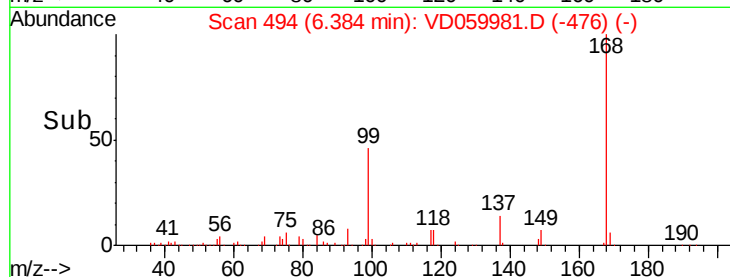
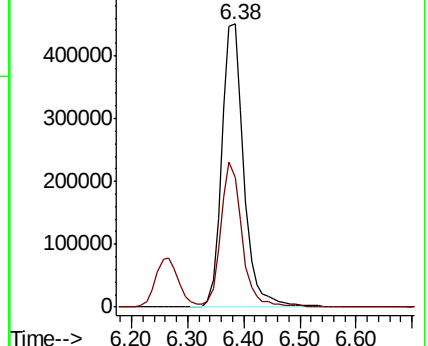
168 100

99 45.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 13.76 ug/l

RT: 1.56 min Scan# 4

Delta R.T. -0.02 min

Lab File: VD059981.D

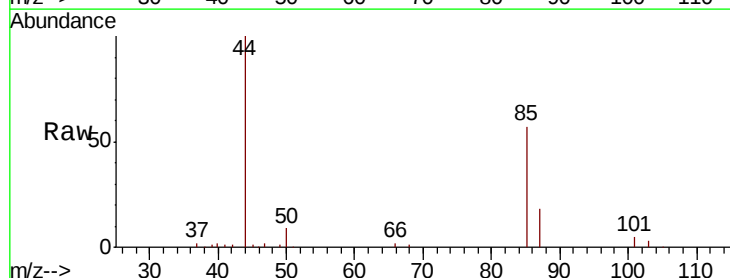
Acq: 6 Sep 2018 13:05

Tgt Ion: 85 Resp: 151961

Ion Ratio Lower Upper

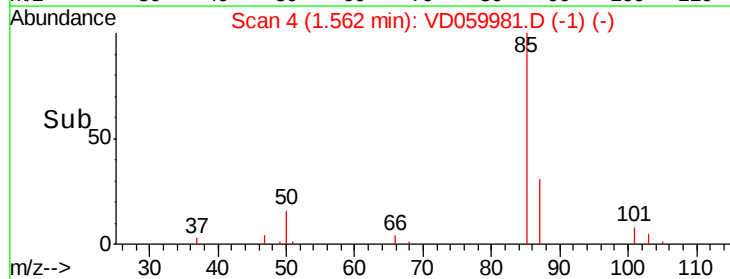
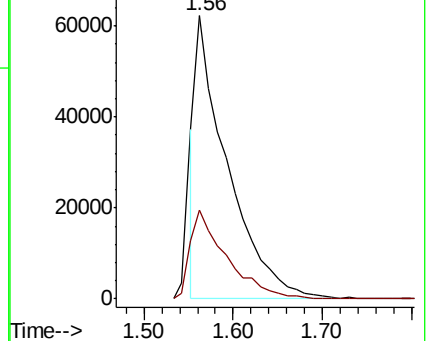
85 100

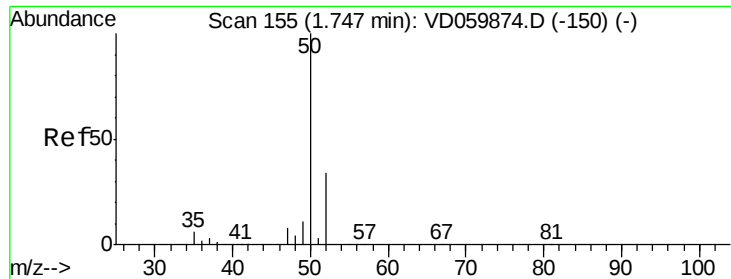
87 31.3 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.61 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.02 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

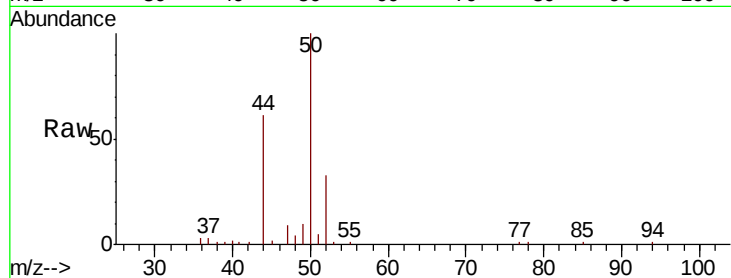
VD0906SBS01

Tot Ion: 50 Resp: 156103

Ion Ratio Lower Upper

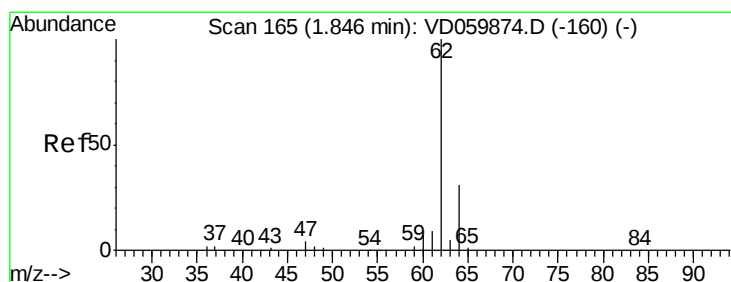
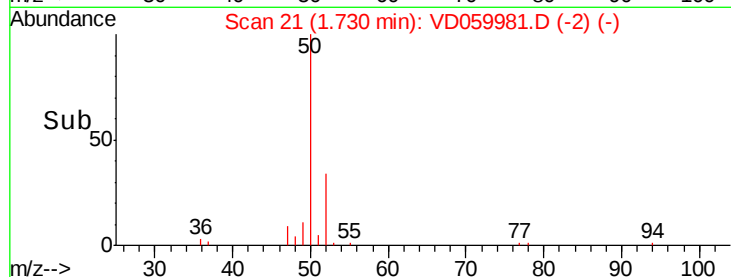
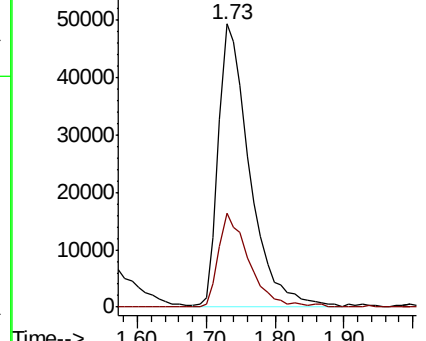
50 100

52 33.0 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.52 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD059981.D

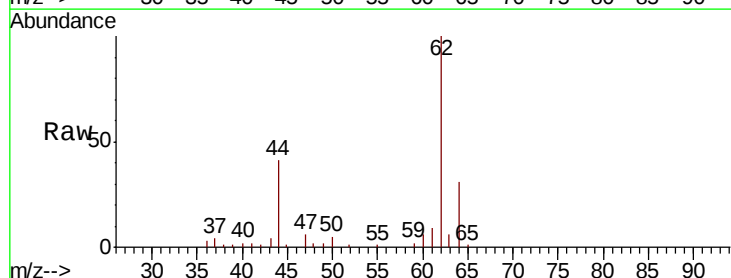
Acq: 6 Sep 2018 13:05

Tgt Ion: 62 Resp: 129594

Ion Ratio Lower Upper

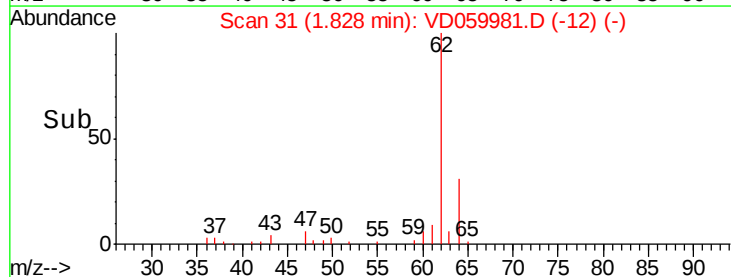
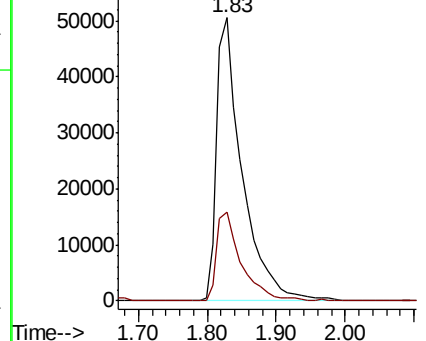
62 100

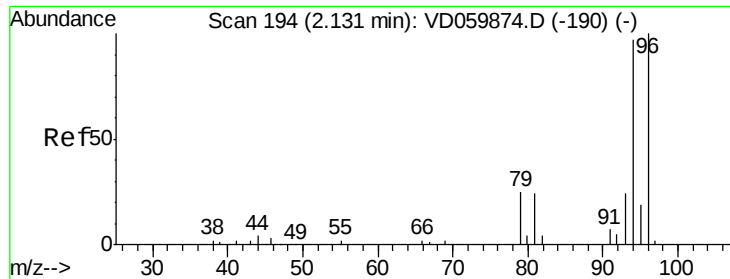
64 31.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.10 ug/l

RT: 2.10 min Scan# 59

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

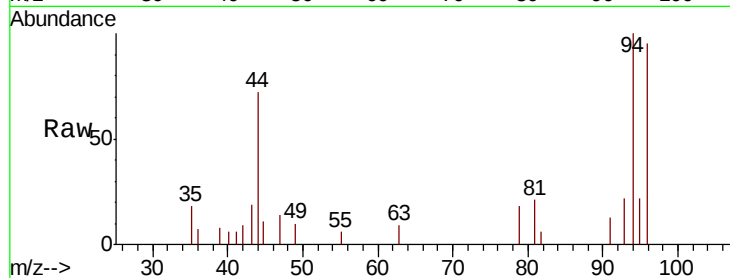
VD0906SBS01

Tot Ion: 94 Resp: 10974

Ion Ratio Lower Upper

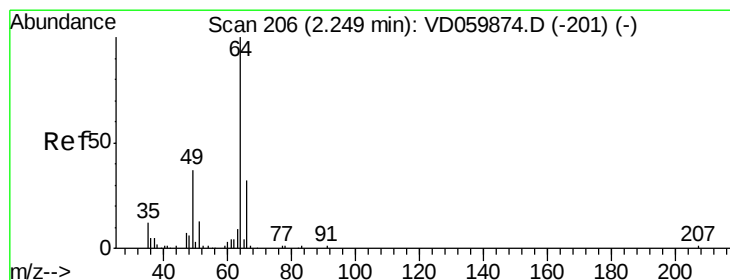
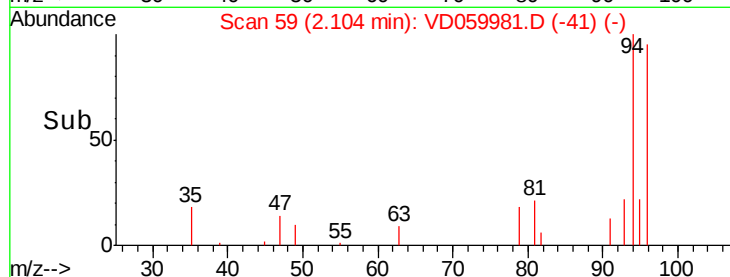
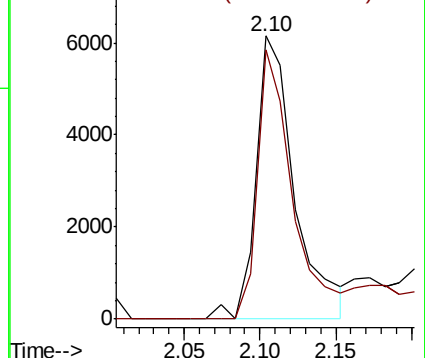
94 100

96 95.1 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.52 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD059981.D

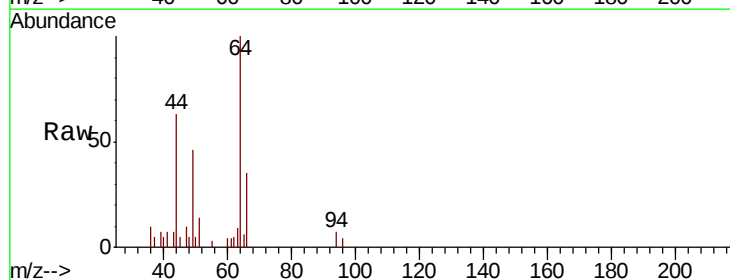
Acq: 6 Sep 2018 13:05

Tgt Ion: 64 Resp: 32667

Ion Ratio Lower Upper

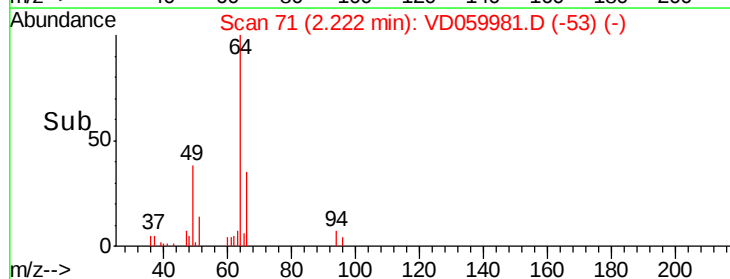
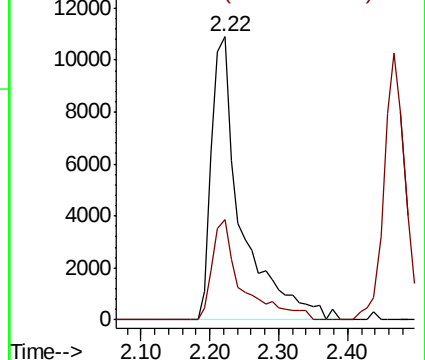
64 100

66 35.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 17.58 ug/l

RT: 2.47 min Scan# 96

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

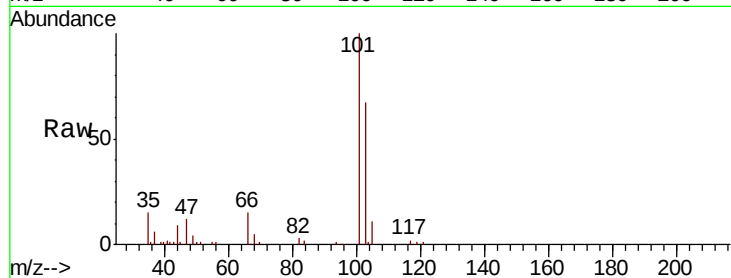
VD0906SBS01

Tot Ion:101 Resp: 159537

Ion Ratio Lower Upper

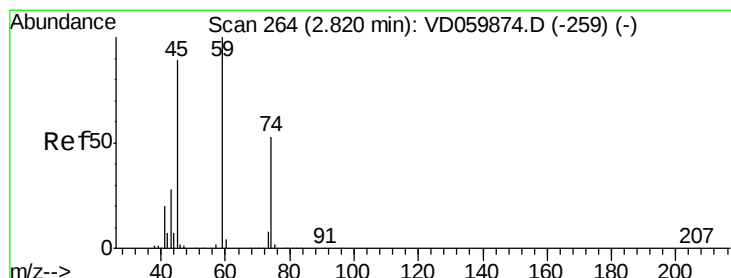
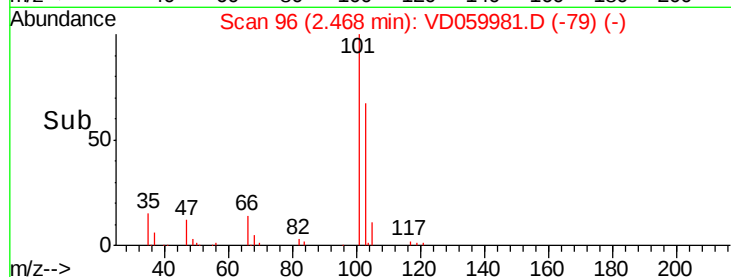
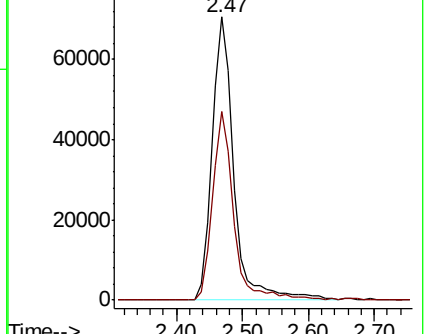
101 100

103 66.8 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 17.94 ug/l

RT: 2.79 min Scan# 129

Delta R.T. -0.03 min

Lab File: VD059981.D

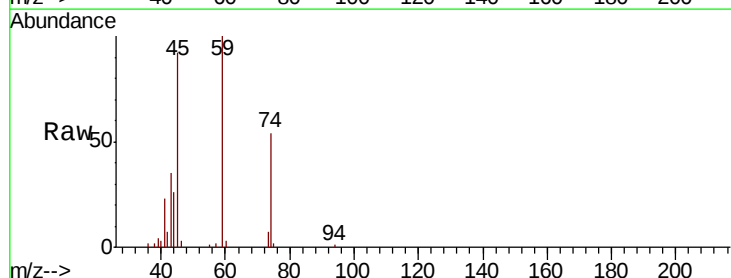
Acq: 6 Sep 2018 13:05

Tgt Ion: 74 Resp: 36517

Ion Ratio Lower Upper

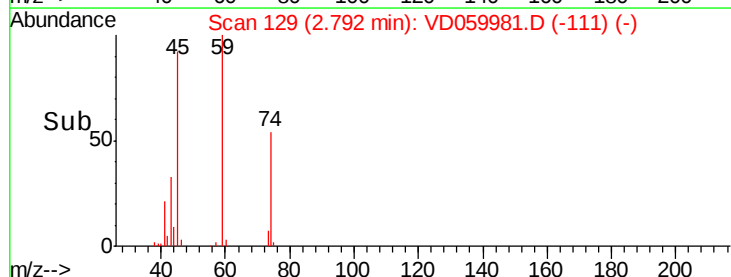
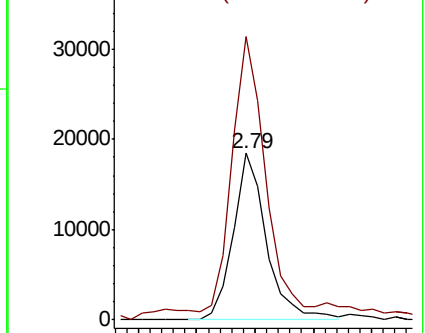
74 100

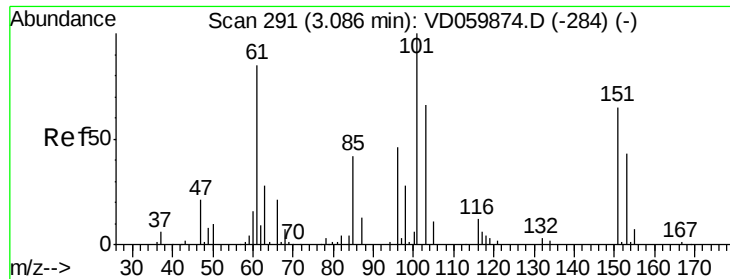
45 169.7 85.7 257.1



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: 20.48 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

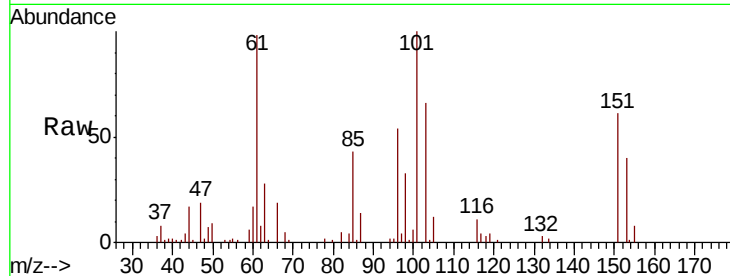
Tot Ion:101 Resp: 113803

Ion Ratio Lower Upper

101 100

85 42.9 33.6 50.4

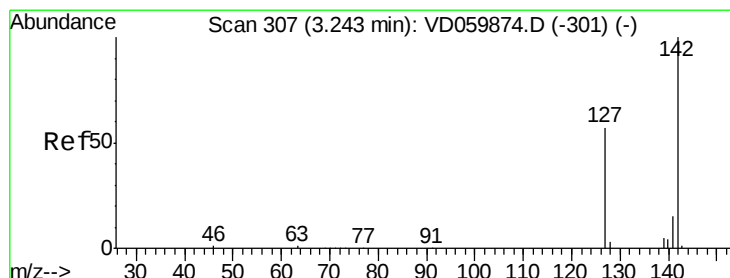
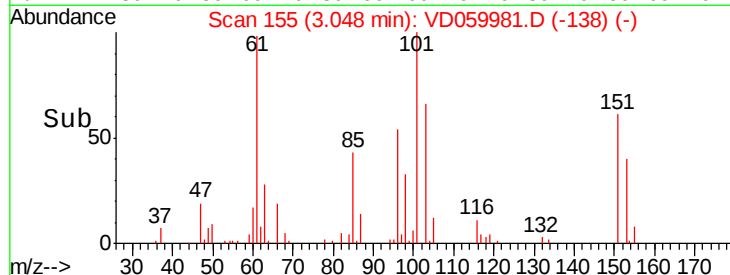
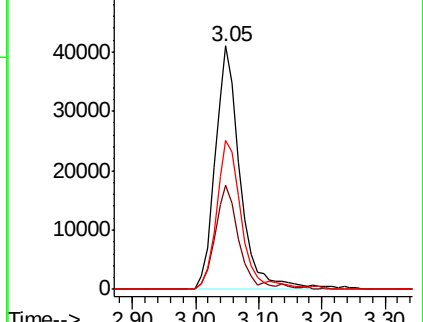
151 60.9 52.0 78.0



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: 16.79 ug/l

RT: 3.21 min Scan# 171

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

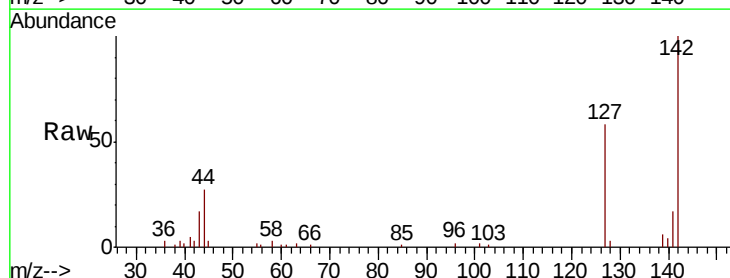
Tgt Ion:142 Resp: 84727

Ion Ratio Lower Upper

142 100

127 58.4 45.8 68.6

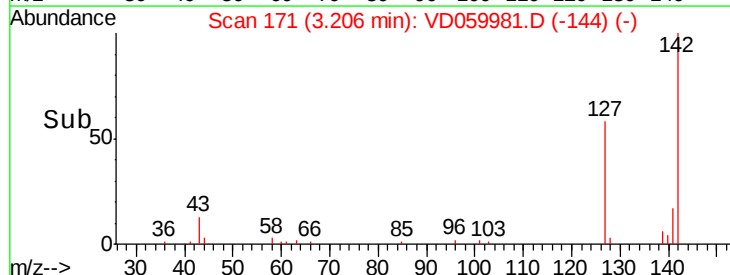
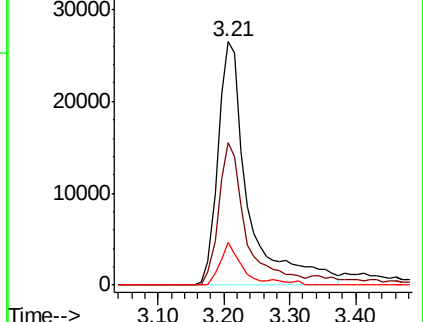
141 17.4 11.6 17.4#

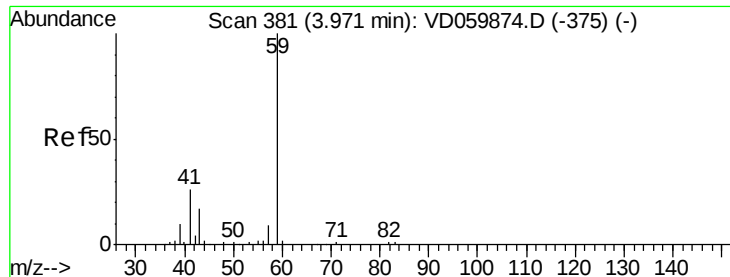


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



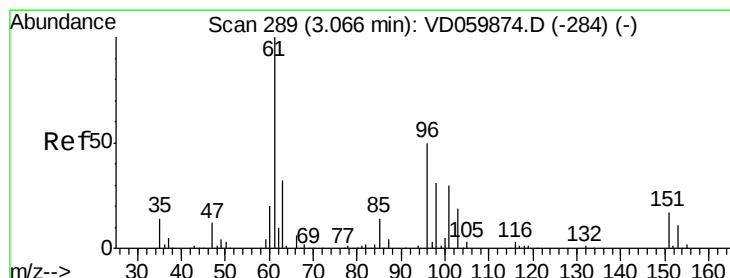
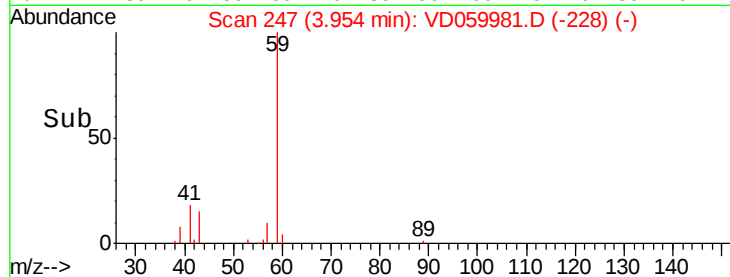
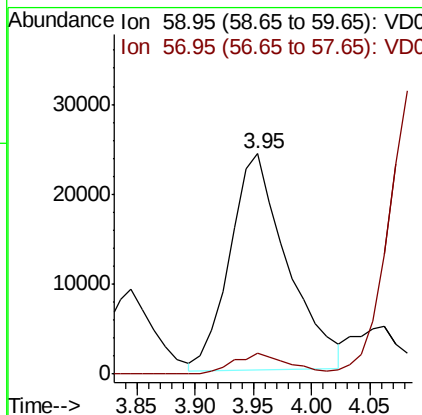
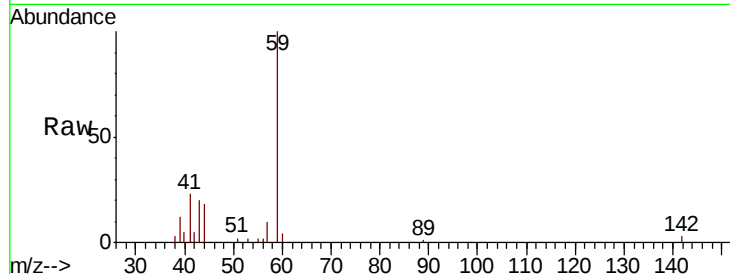


#11

Tert butyl alcohol
 Concen: 103.55 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

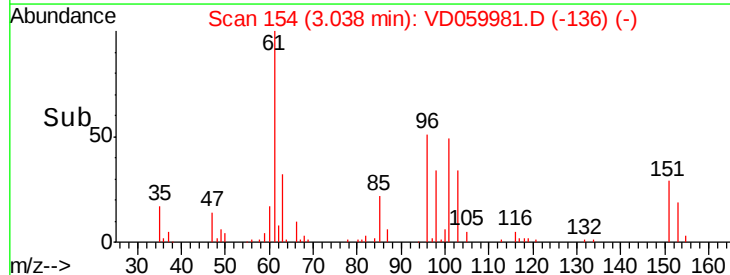
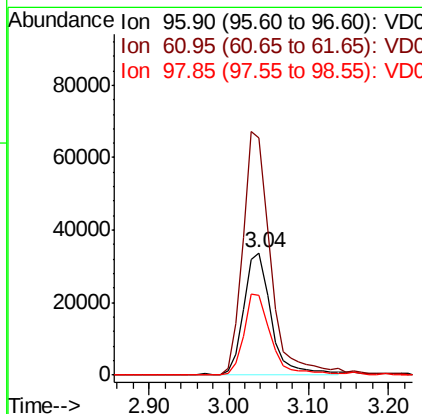
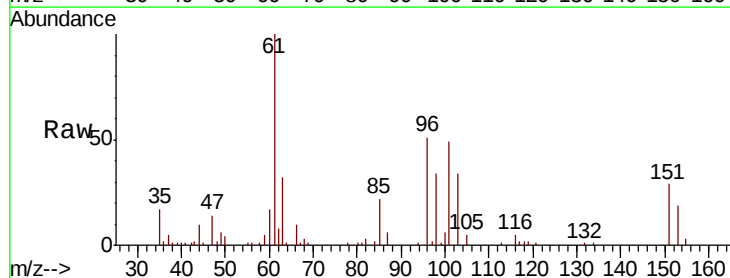
Tot Ion: 59 Resp: 82251
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.4 11.0

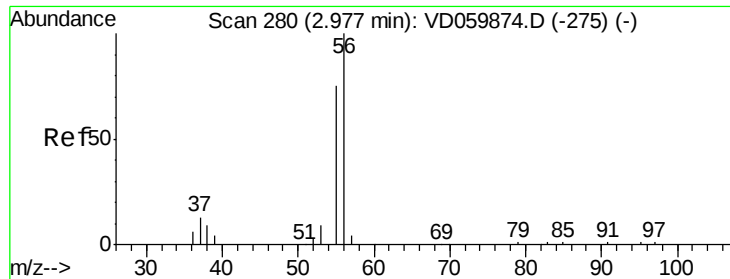


#12

1,1-Dichloroethene
 Concen: 18.56 ug/l
 RT: 3.04 min Scan# 154
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion: 96 Resp: 80304
 Ion Ratio Lower Upper
 96 100
 61 194.6 158.8 238.2
 98 65.8 48.7 73.1





#13

Acrolein

Concen: 51.72 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

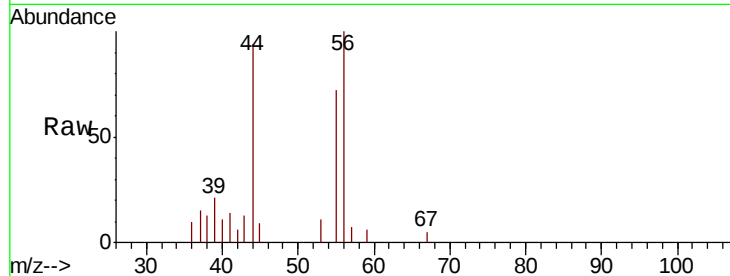
VD0906SBS01

Tot Ion: 56 Resp: 17819

Ion Ratio Lower Upper

56 100

55 71.9 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.95

8000

6000

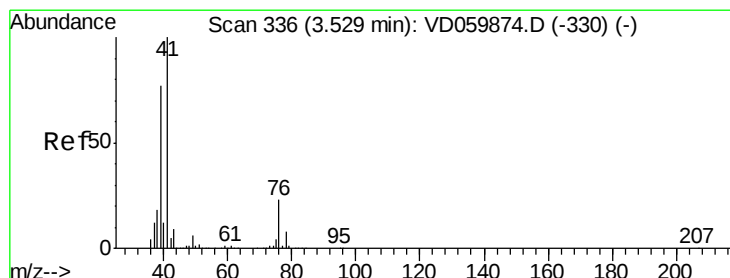
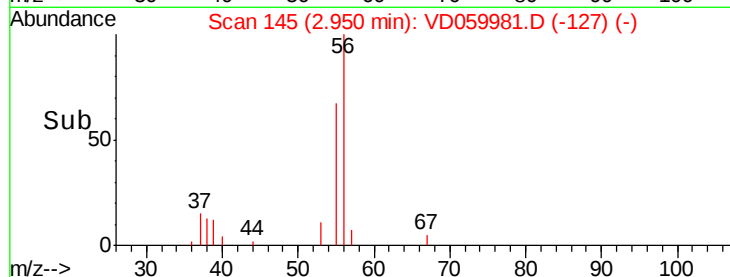
4000

2000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 19.85 ug/l

RT: 3.49 min Scan# 200

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

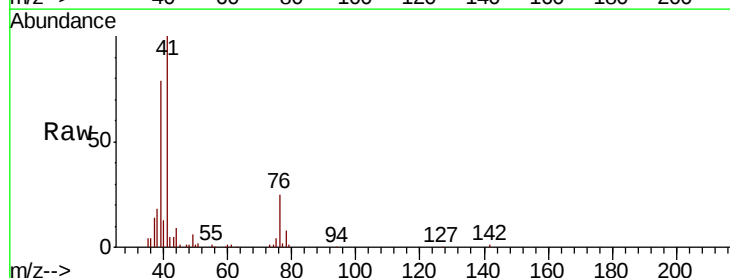
Tgt Ion: 41 Resp: 194298

Ion Ratio Lower Upper

41 100

39 78.7 61.8 92.6

76 25.2 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

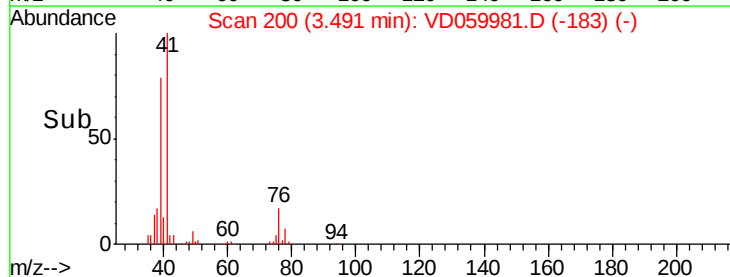
40000

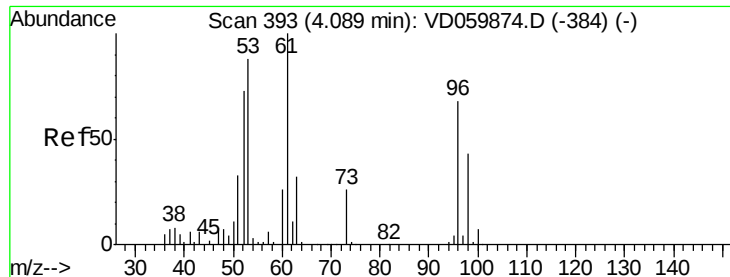
20000

0

Time-->

3.40 3.50 3.60 3.70





#15

Acrylonitrile

Concen: 103.87 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

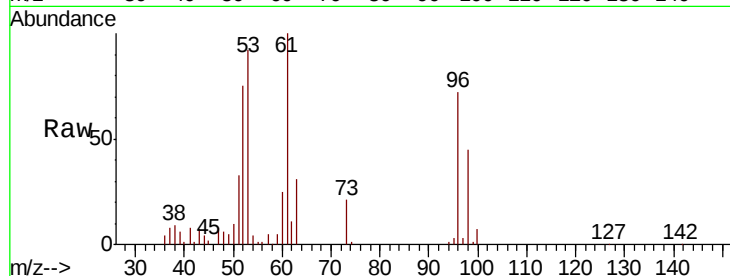
Tot Ion: 53 Resp: 308992

Ion Ratio Lower Upper

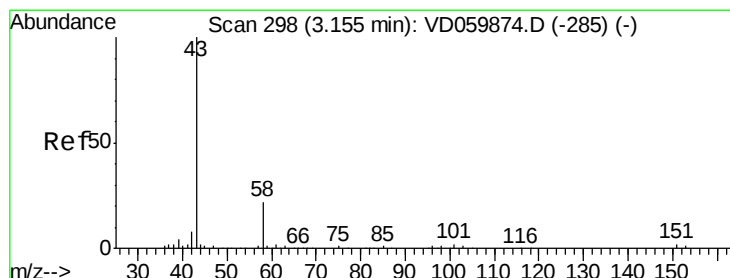
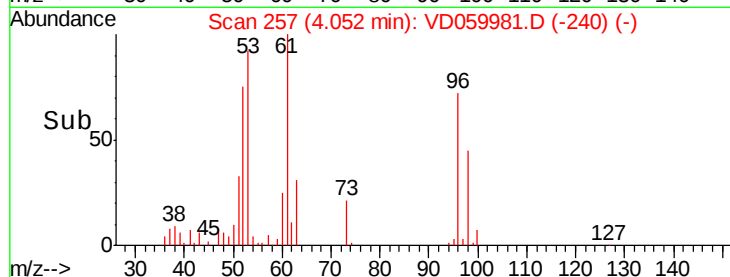
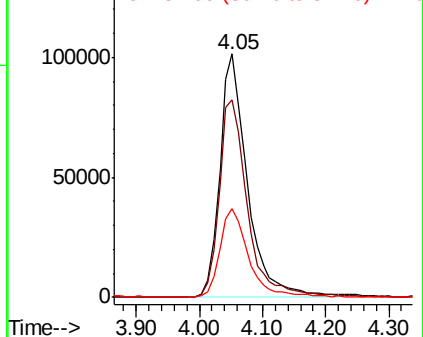
53 100

52 81.2 66.9 100.3

51 36.4 30.3 45.5



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: 94.65 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.03 min

Lab File: VD059981.D

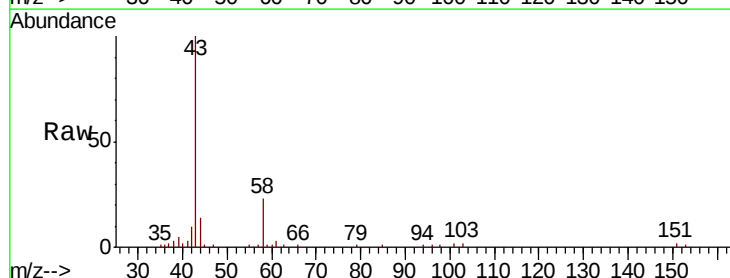
Acq: 6 Sep 2018 13:05

Tgt Ion: 43 Resp: 179515

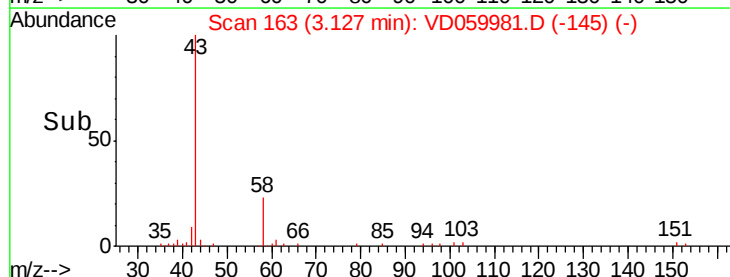
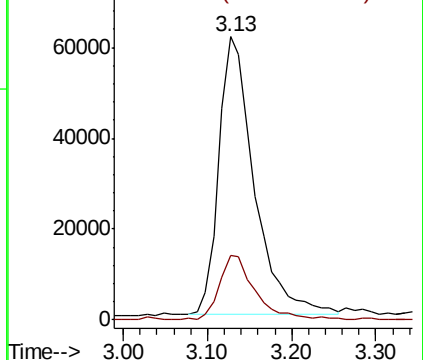
Ion Ratio Lower Upper

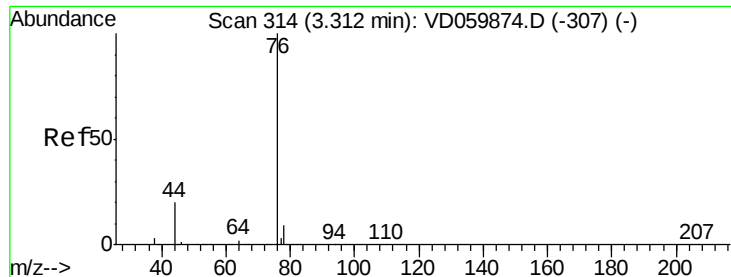
43 100

58 22.6 17.6 26.4



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

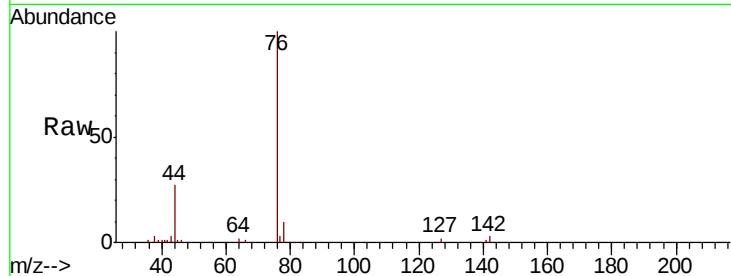




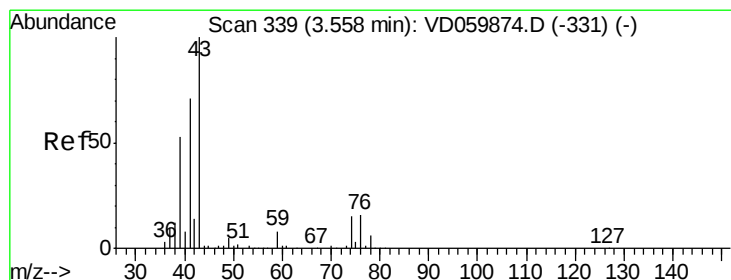
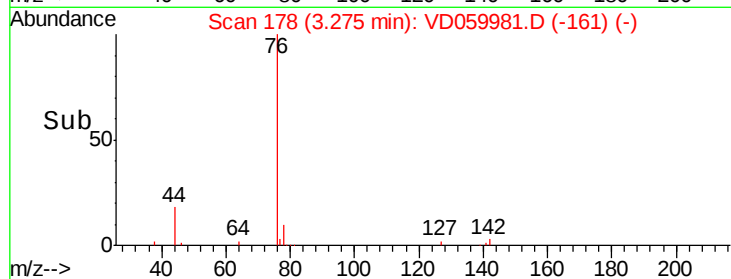
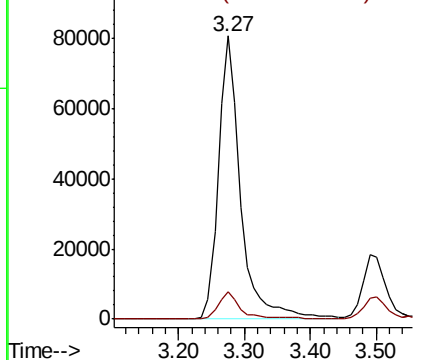
#17
Carbon Disulfide
Concen: 14.07 ug/l
RT: 3.27 min Scan# 178
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion: 76 Resp: 188893
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2

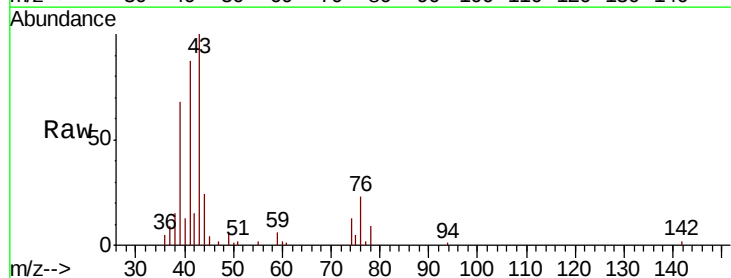


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

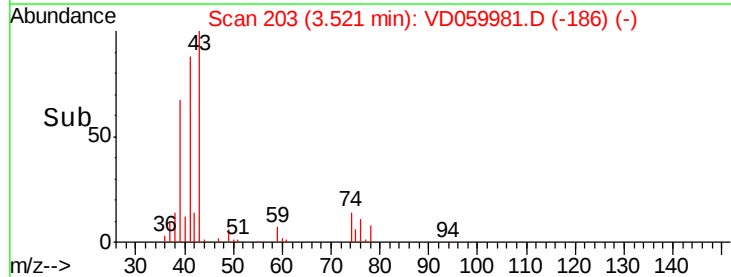
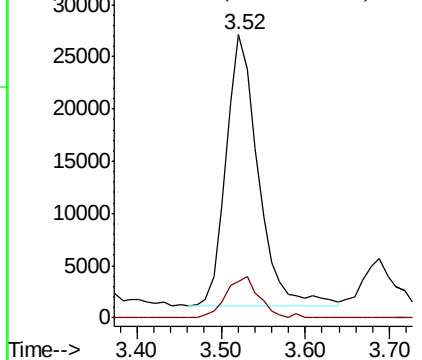


#18
Methyl Acetate
Concen: 17.27 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 43 Resp: 68396
Ion Ratio Lower Upper
43 100
74 13.1 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

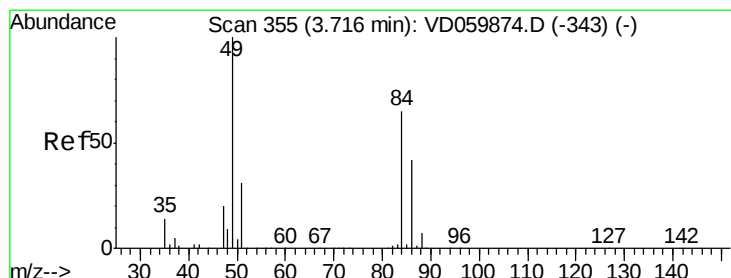
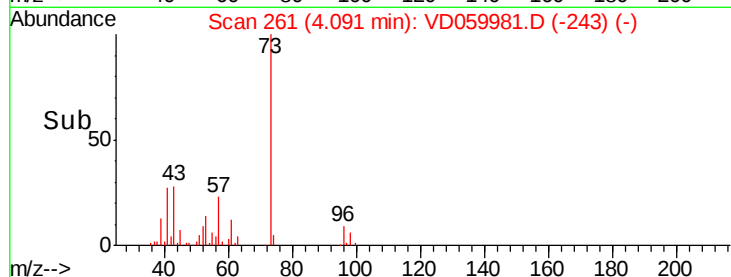
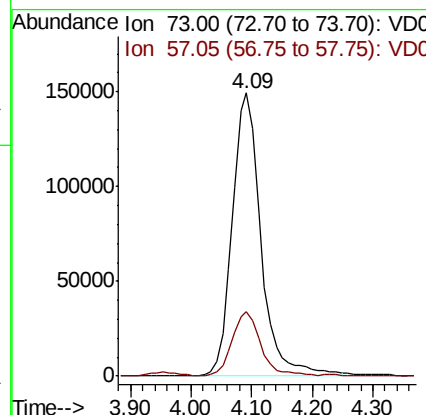
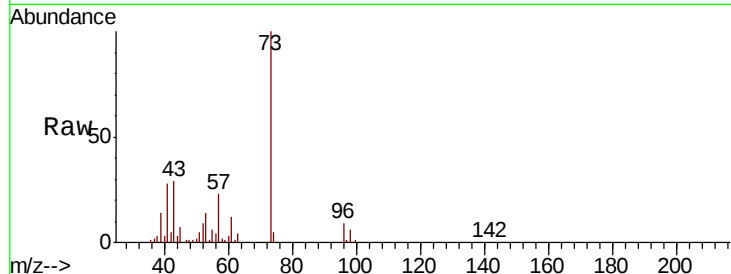




#19
Methyl tert-butyl Ether
Concen: 20.07 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

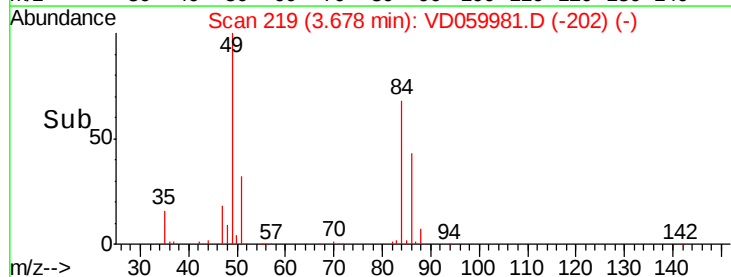
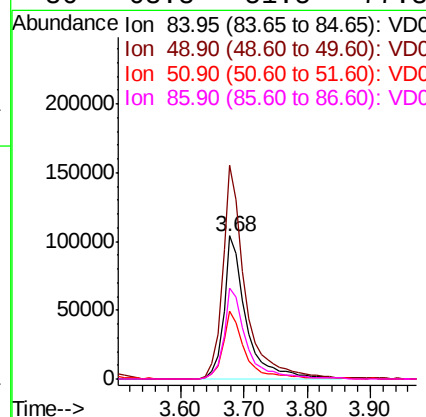
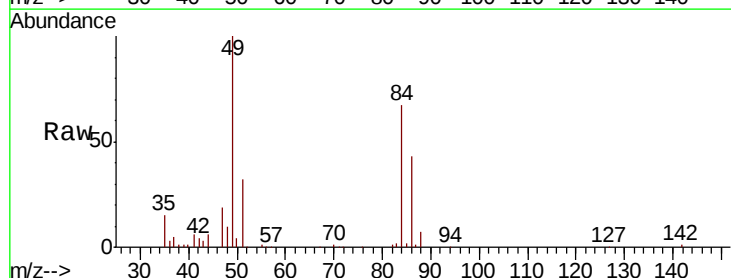
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion: 73 Resp: 491216
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9



#20
Methylene Chloride
Concen: 18.05 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 84 Resp: 258578
Ion Ratio Lower Upper
84 100
49 149.4 122.6 183.8
51 47.4 38.4 57.6
86 63.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.59 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.05 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

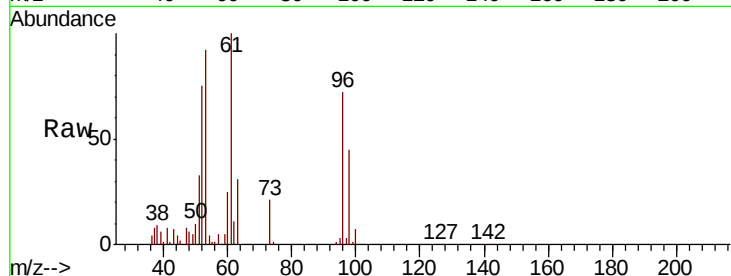
Tot Ion: 96 Resp: 221603

Ion Ratio Lower Upper

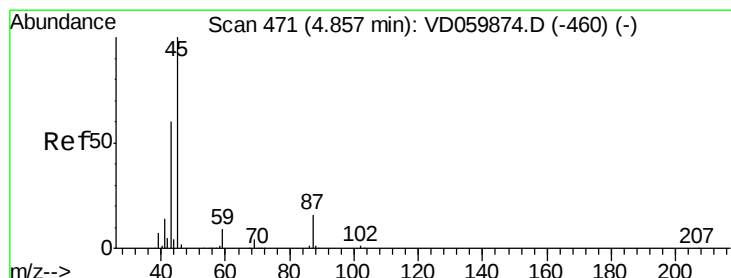
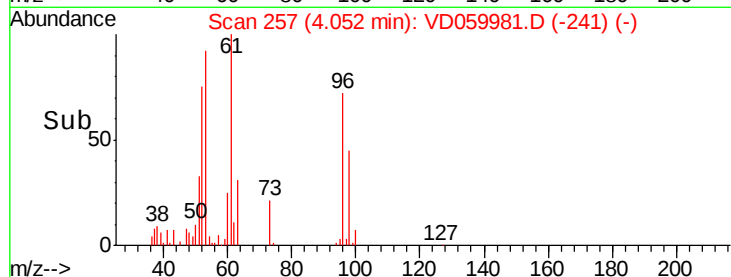
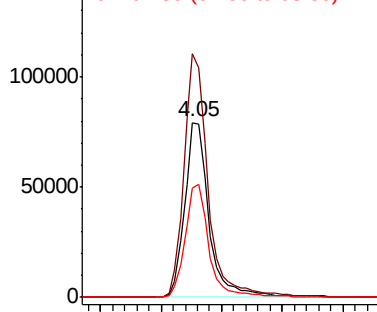
96 100

61 139.0 110.2 165.4

98 62.0 50.9 76.3



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: 20.16 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Tgt Ion: 45 Resp: 1006202

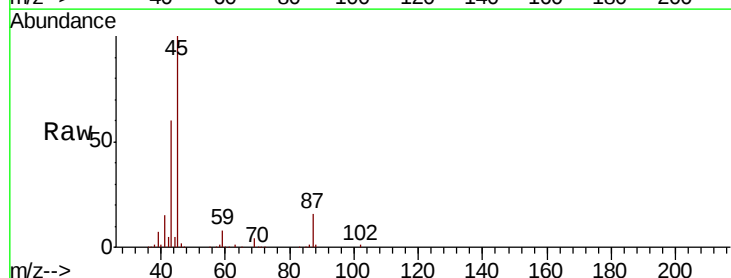
Ion Ratio Lower Upper

45 100

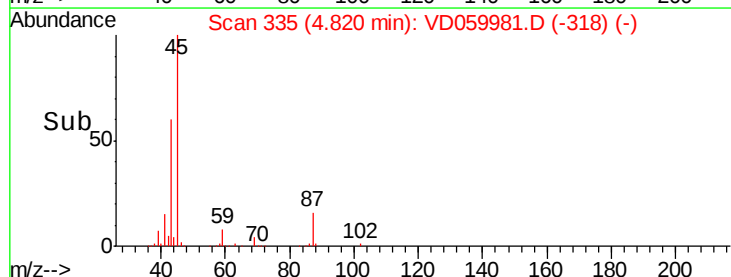
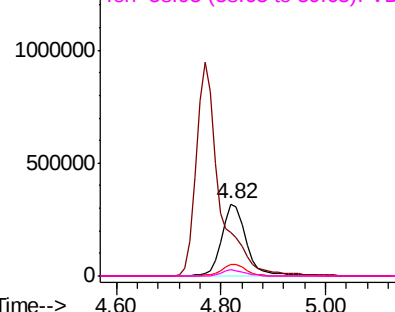
43 59.8 48.6 72.8

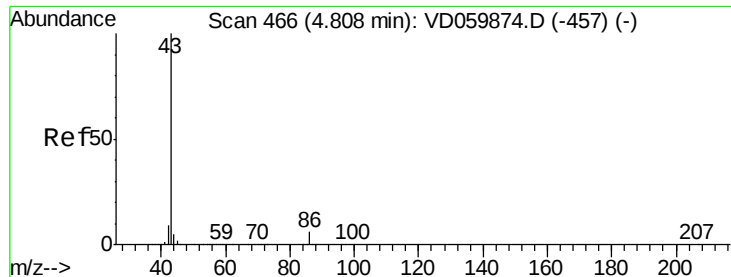
87 16.0 13.3 19.9

59 8.3 7.1 10.7



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: 104.64 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleID :

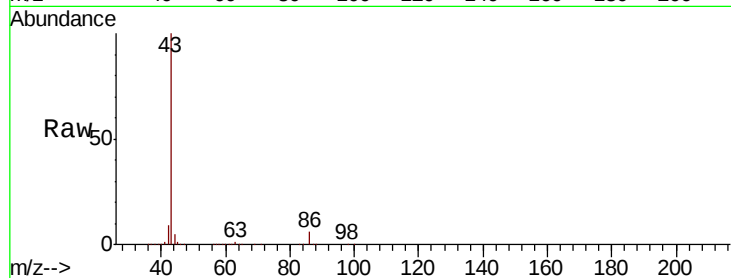
VD0906SBS01

Tot Ion: 43 Resp: 2919408

Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.77

1000000

800000

600000

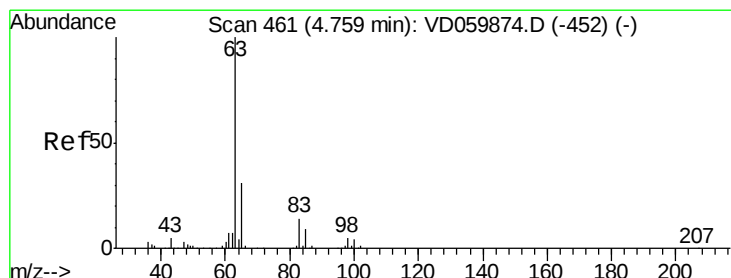
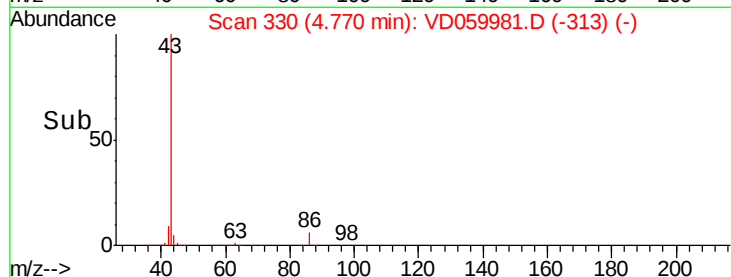
400000

200000

0

Time-->

4.60 4.70 4.80 4.90 5.00



#24

1,1-Dichloroethane

Concen: 19.75 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

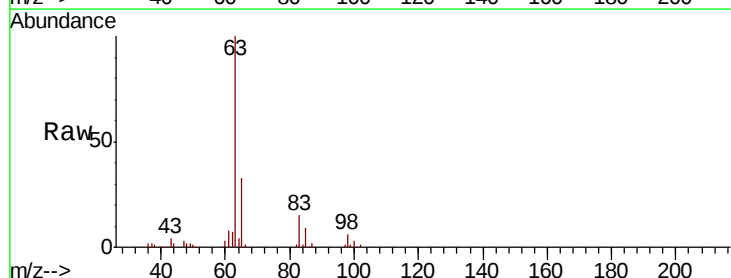
Tgt Ion: 63 Resp: 425911

Ion Ratio Lower Upper

63 100

98 5.8 2.7 8.1

100 3.4 1.8 5.3



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

4.72

200000

150000

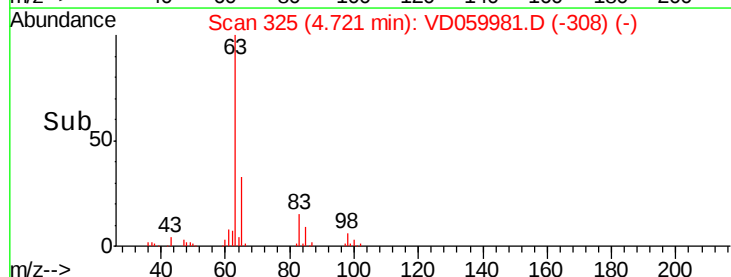
100000

50000

0

Time-->

4.60 4.70 4.80 4.90





#25

2-Butanone

Concen: 89.77 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

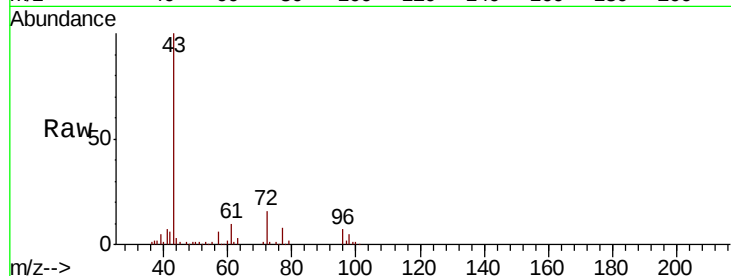
VD0906SBS01

Tot Ion: 43 Resp: 504291

Ion Ratio Lower Upper

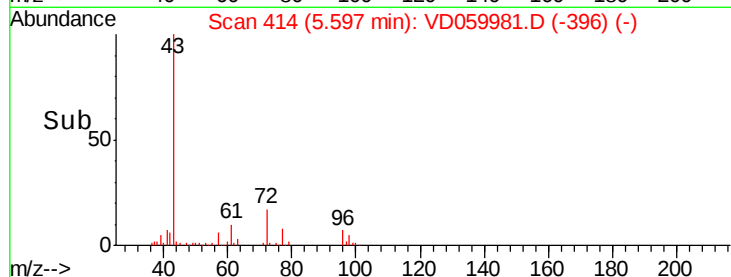
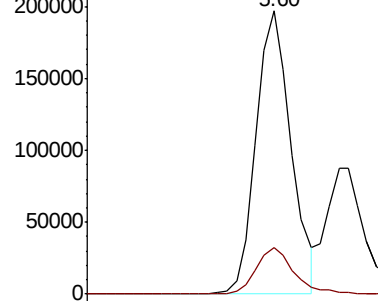
43 100

72 16.5 12.3 18.5

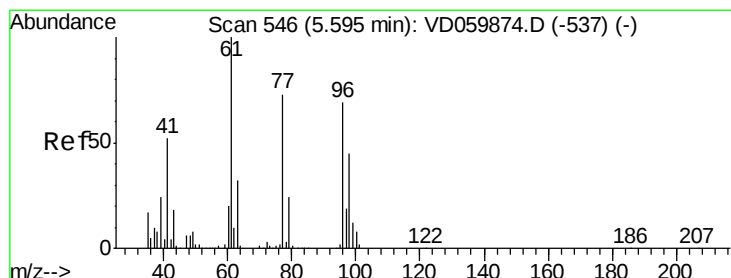


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 19.41 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.04 min

Lab File: VD059981.D

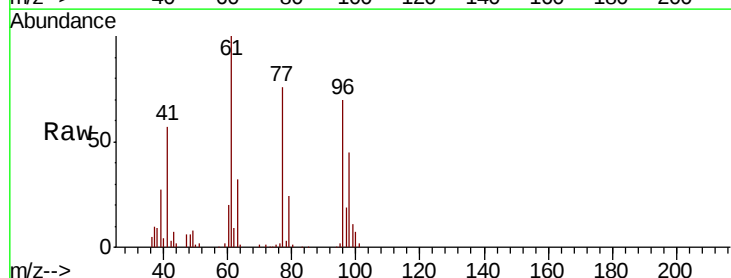
Acq: 6 Sep 2018 13:05

Tgt Ion: 77 Resp: 349861

Ion Ratio Lower Upper

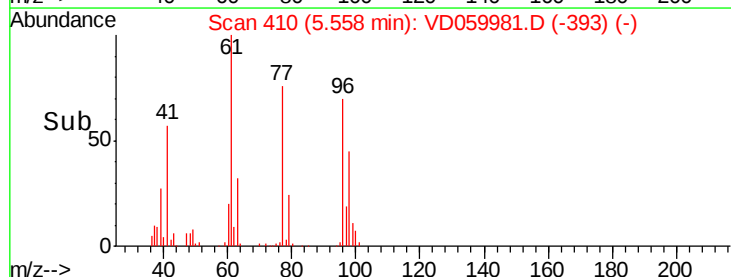
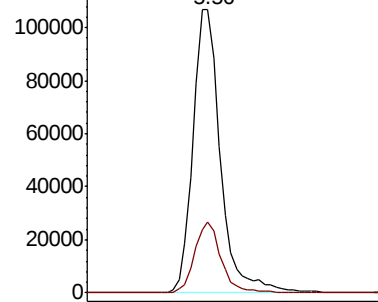
77 100

97 24.8 13.0 38.9

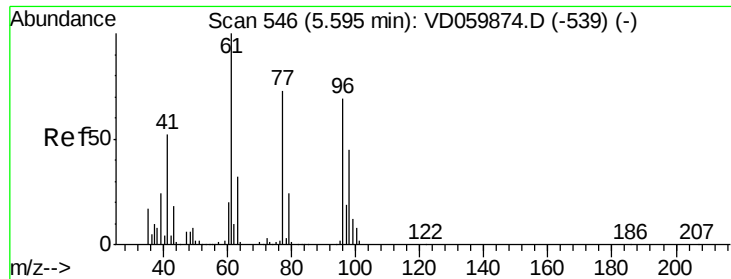


Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



#27

cis-1,2-Dichloroethene

Concen: 20.65 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

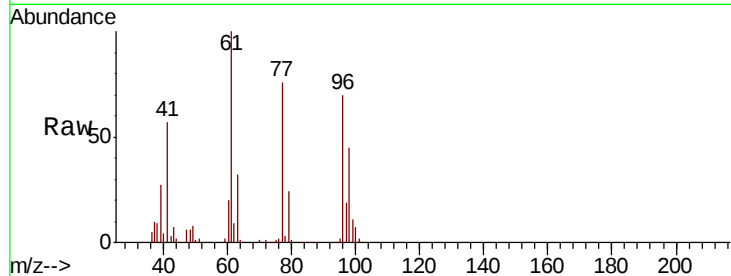
Tot Ion: 96 Resp: 269462

Ion Ratio Lower Upper

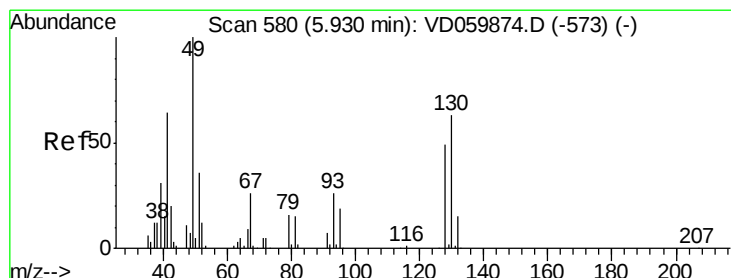
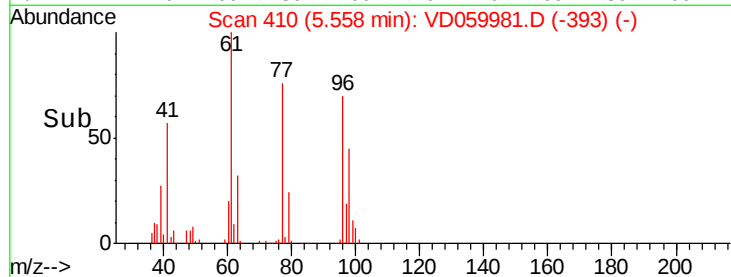
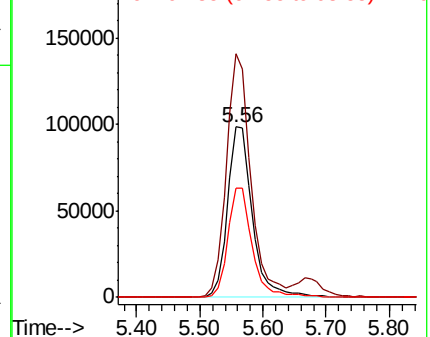
96 100

61 142.9 0.0 290.2

98 63.8 0.0 130.4



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: 20.16 ug/l

RT: 5.89 min Scan# 444

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

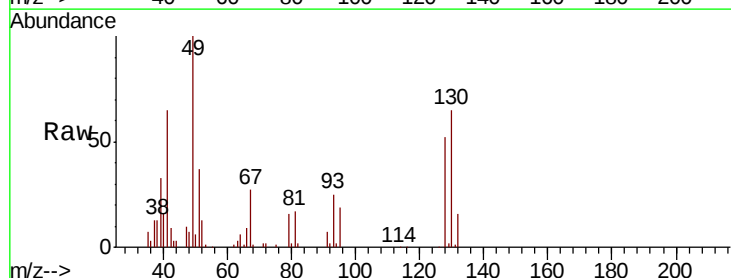
Tgt Ion: 49 Resp: 208365

Ion Ratio Lower Upper

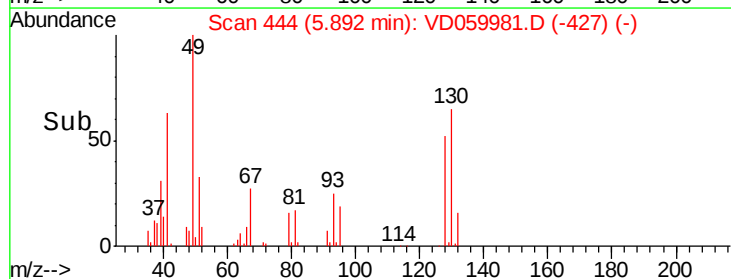
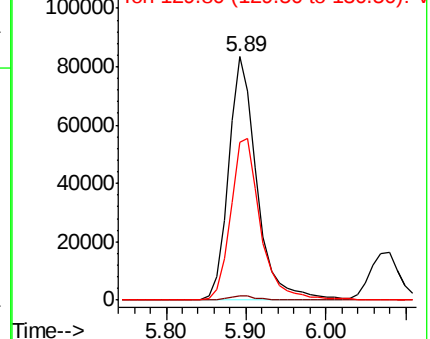
49 100

129 1.9 0.0 3.2

130 64.8 50.6 75.8



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: 99.36 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

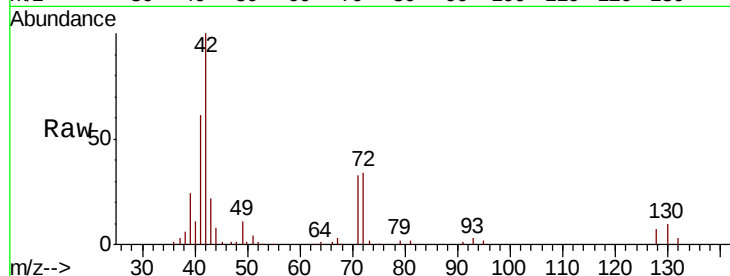
Tot Ion: 42 Resp: 265712

Ion Ratio Lower Upper

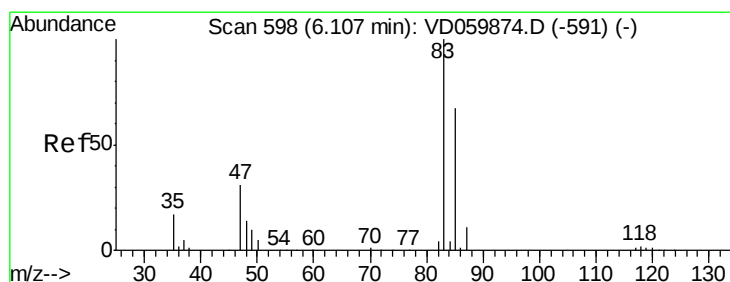
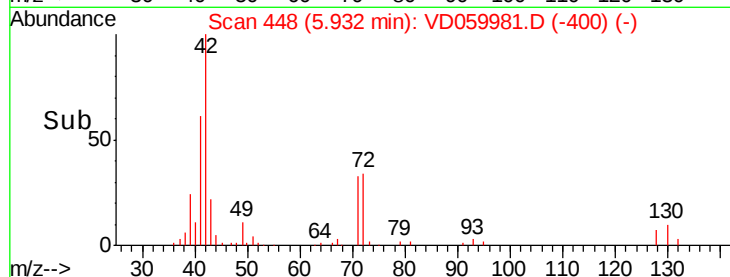
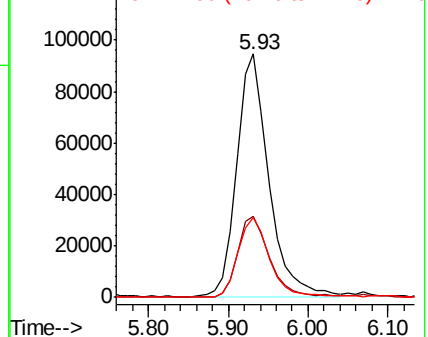
42 100

72 32.3 25.7 38.5

71 32.3 25.3 37.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.33 ug/l

RT: 6.08 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059981.D

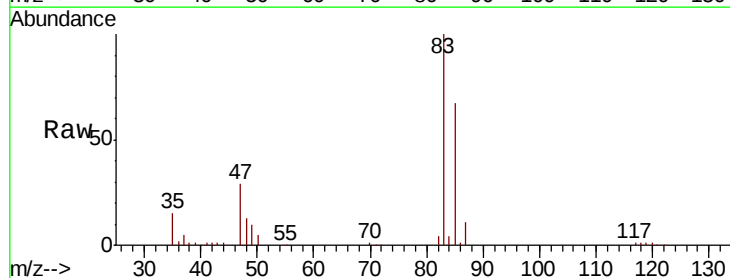
Acq: 6 Sep 2018 13:05

Tgt Ion: 83 Resp: 445461

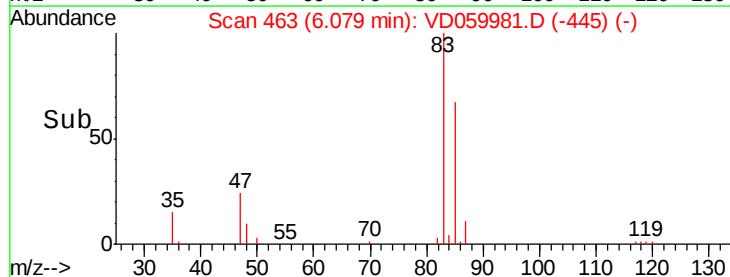
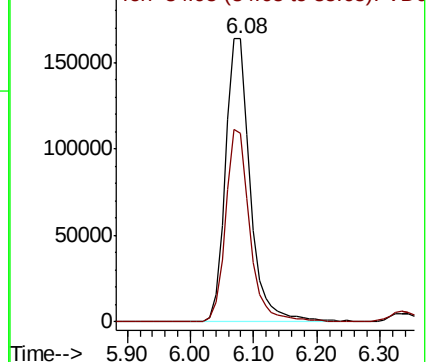
Ion Ratio Lower Upper

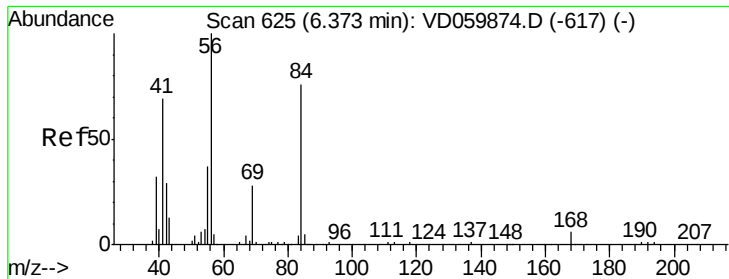
83 100

85 66.8 53.5 80.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

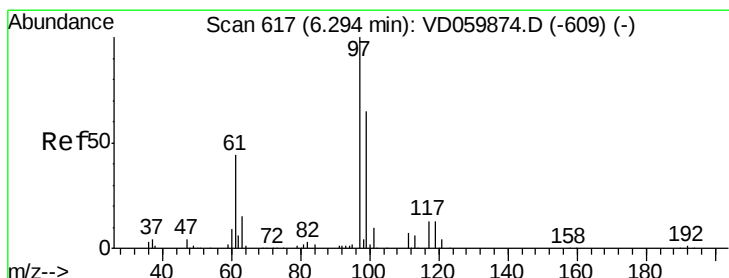
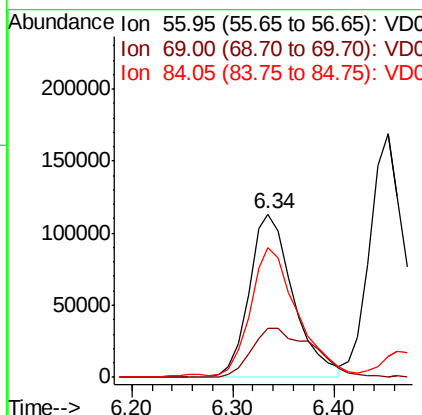
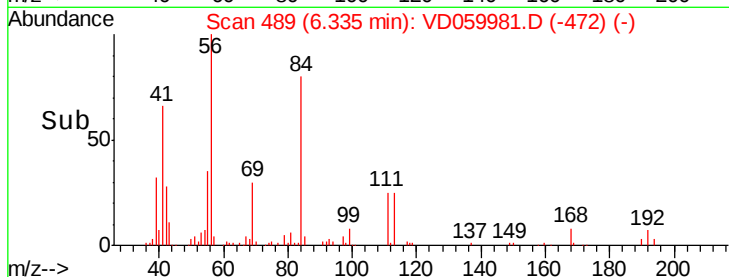
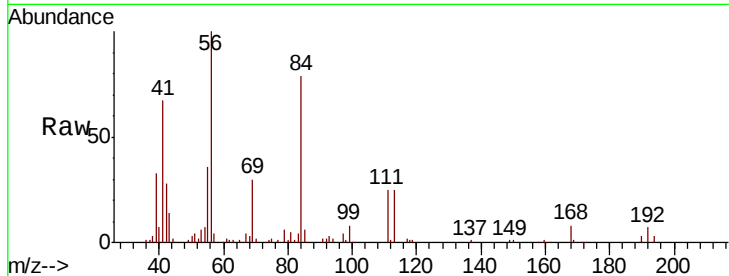




#31
Cyclohexane
Concen: 17.21 ug/l
RT: 6.34 min Scan# 489
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

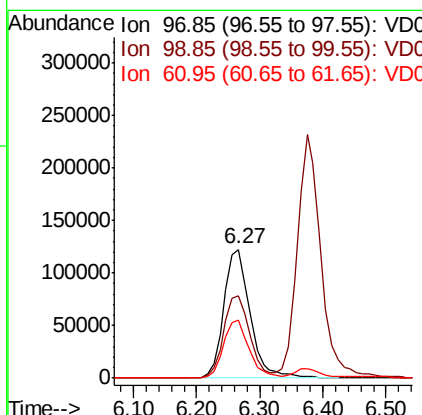
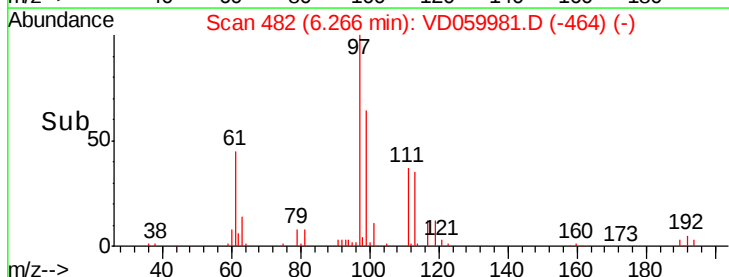
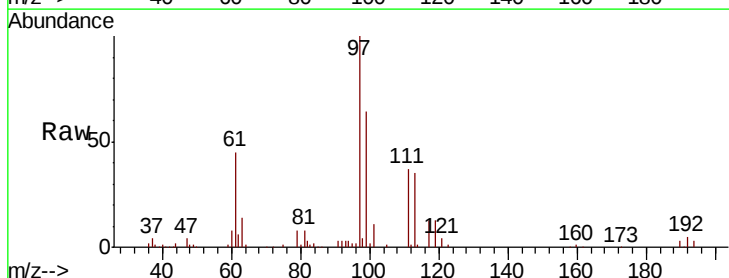
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

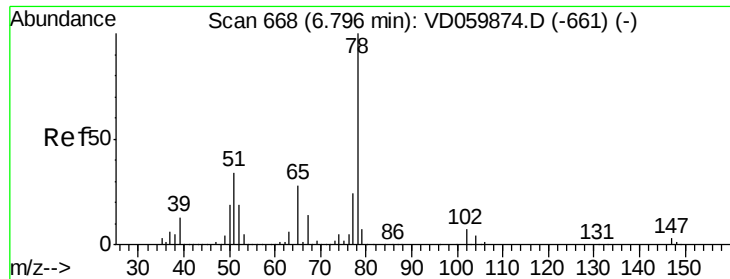
Tot Ion: 56 Resp: 341200
Ion Ratio Lower Upper
56 100
69 30.2 22.4 33.6
84 79.4 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 19.06 ug/l
RT: 6.27 min Scan# 482
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 97 Resp: 354525
Ion Ratio Lower Upper
97 100
99 64.0 51.7 77.5
61 44.7 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 19.06 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.04 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

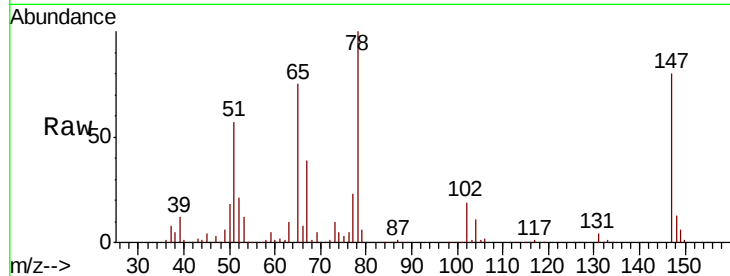
VD0906SBS01

Tot Ion: 65 Resp: 514200

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

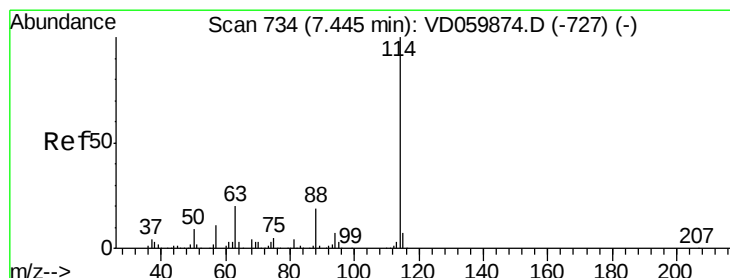
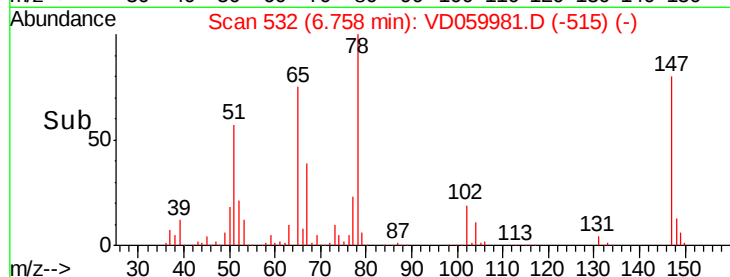
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

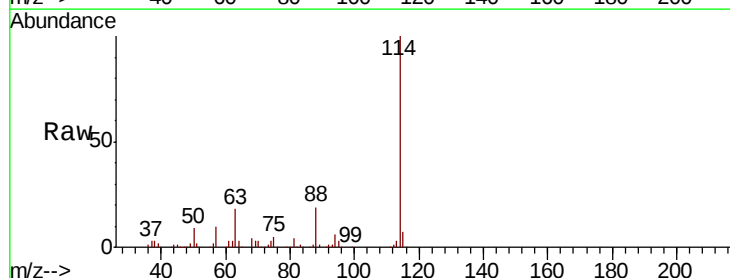
Tgt Ion: 114 Resp: 1654018

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.4

88 18.7 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

600000

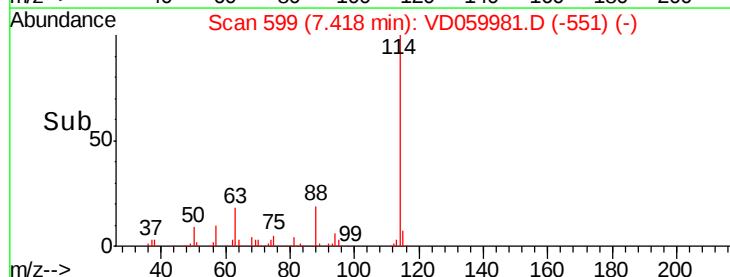
400000

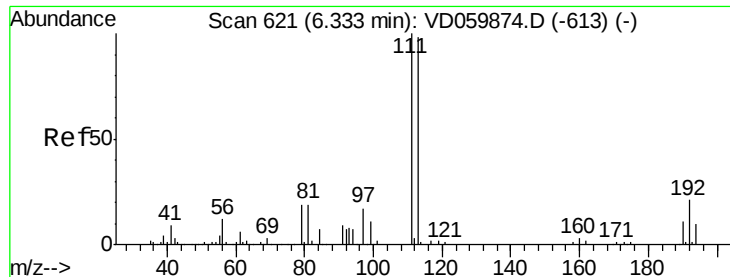
200000

0

7.40 7.60

Time-->

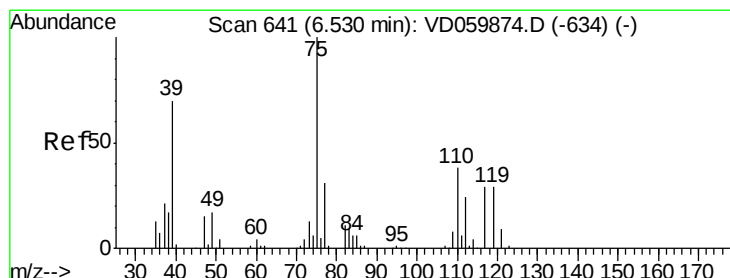
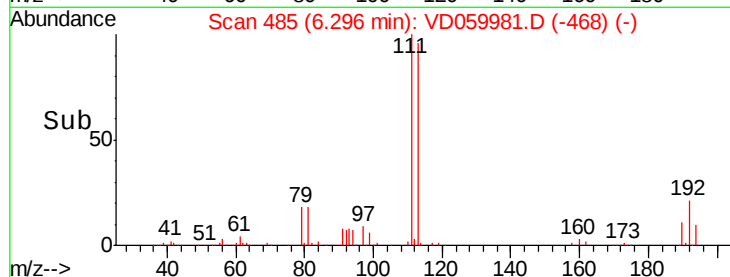
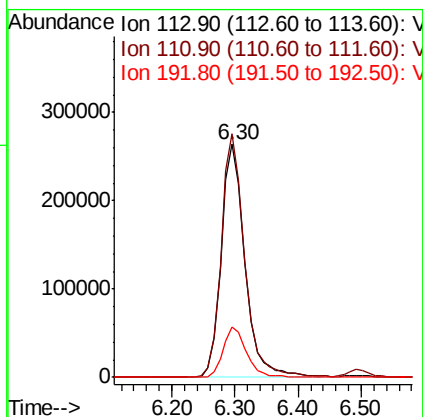
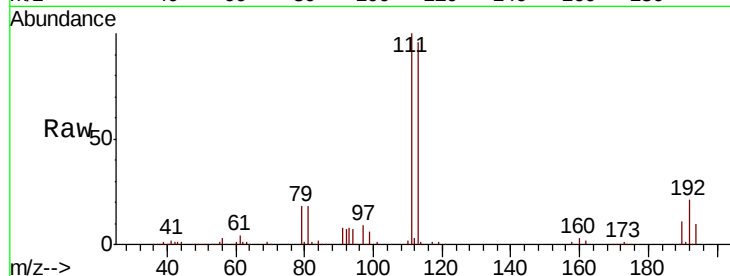




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

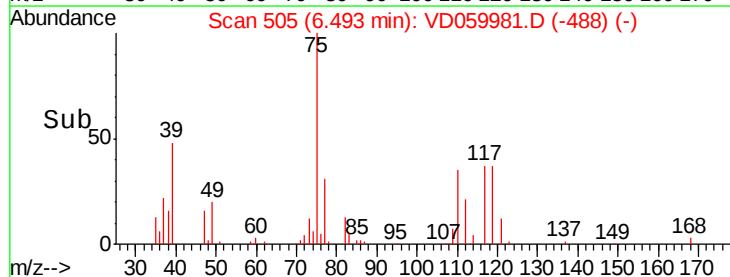
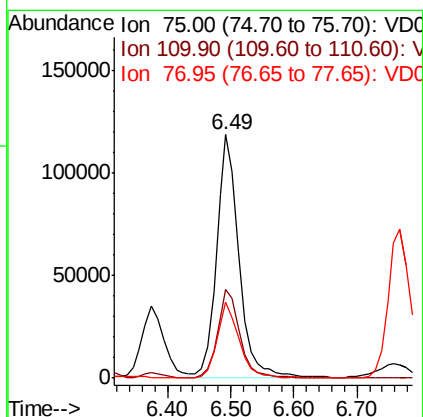
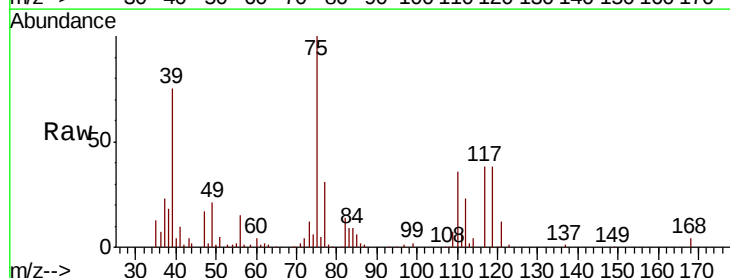
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

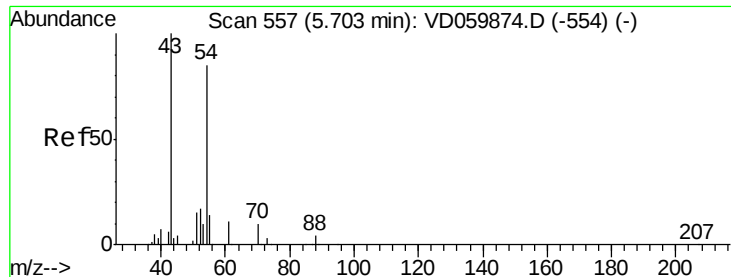
Tot Ion:113 Resp: 692116
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.4 122.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 19.60 ug/l
 RT: 6.49 min Scan# 505
 Delta R.T. -0.04 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion: 75 Resp: 293935
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.6 56.0
 77 31.3 25.1 37.7

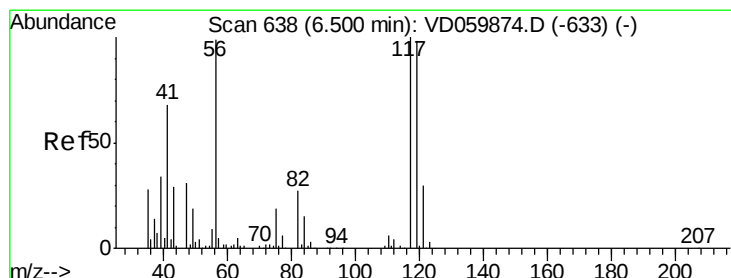
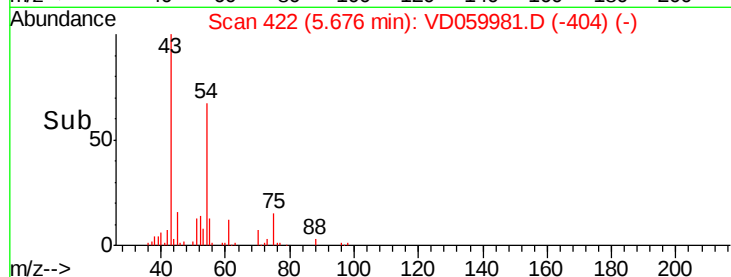
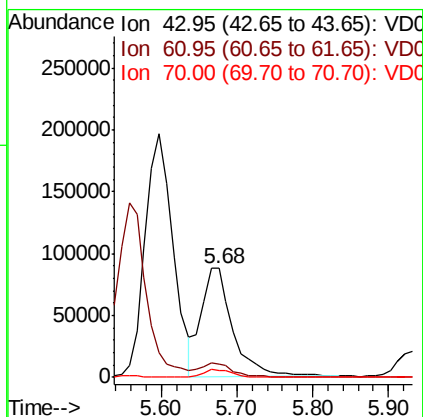
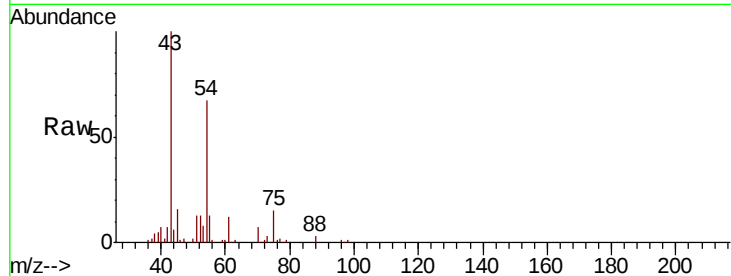




#37
Ethyl Acetate
Concen: 21.63 ug/l
RT: 5.68 min Scan# 422
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

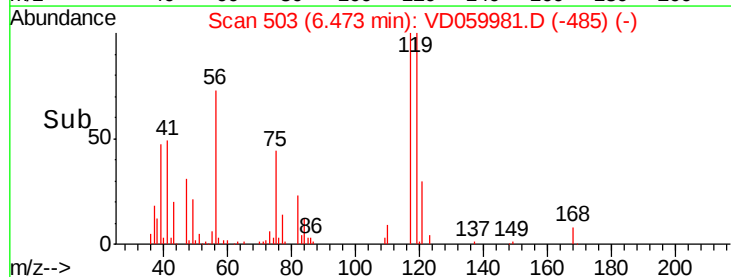
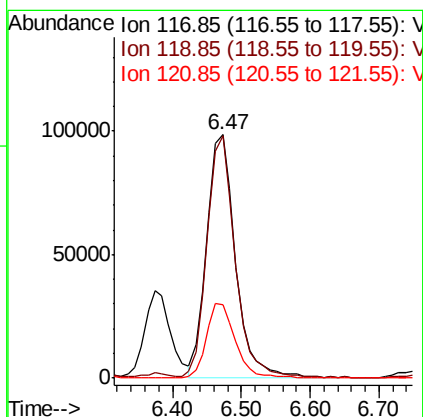
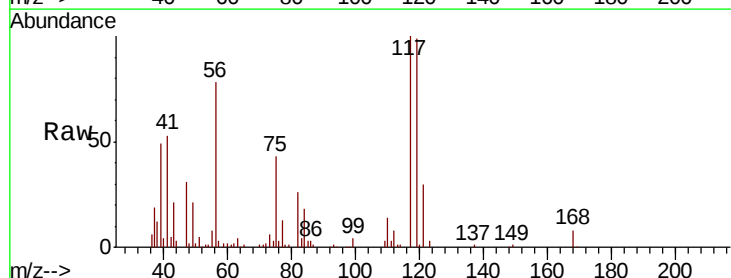
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

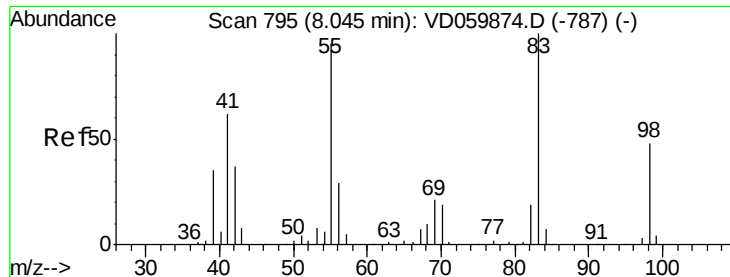
Tot Ion: 43 Resp: 252400
Ion Ratio Lower Upper
43 100
61 11.8 11.0 16.6
70 6.8 5.7 8.5



#38
Carbon Tetrachloride
Concen: 19.05 ug/l
RT: 6.47 min Scan# 503
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 117 Resp: 288276
Ion Ratio Lower Upper
117 100
119 99.5 77.2 115.8
121 29.9 24.0 36.0

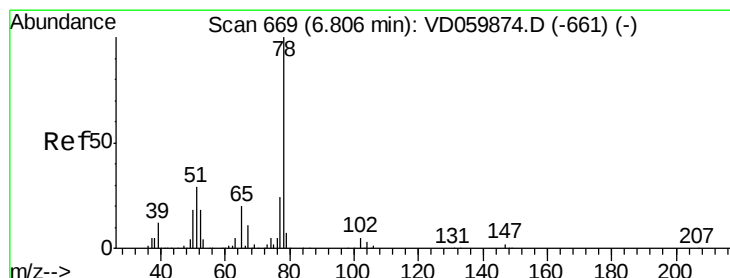
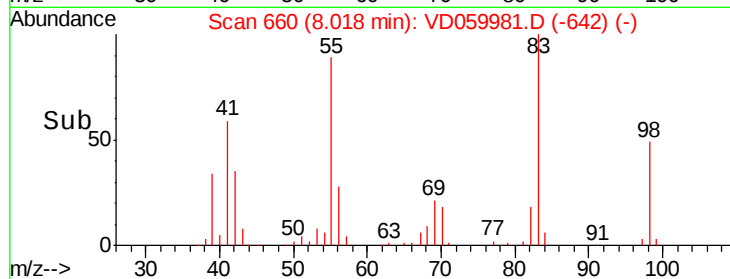
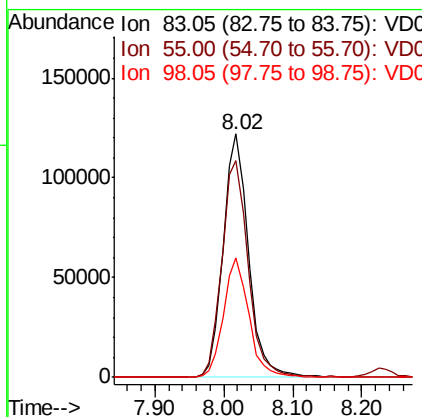
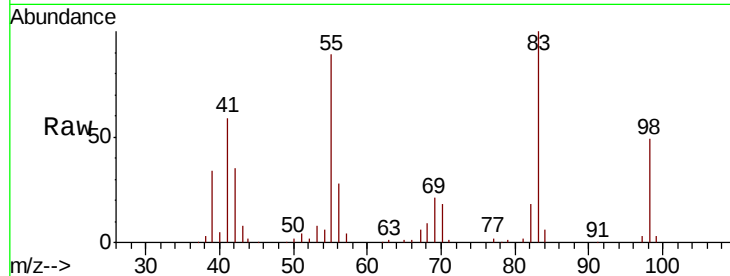




#39
Methvlcvclohexane
Concen: 19.19 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.03 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

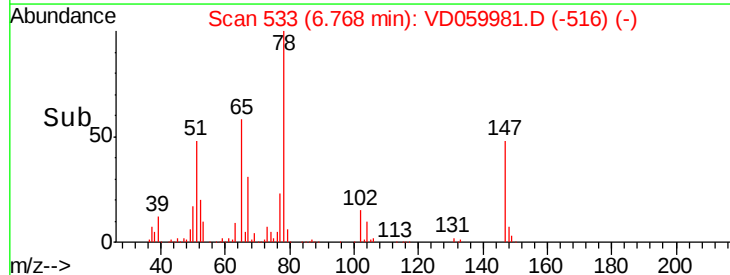
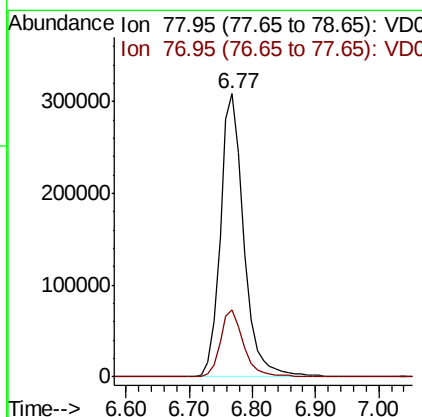
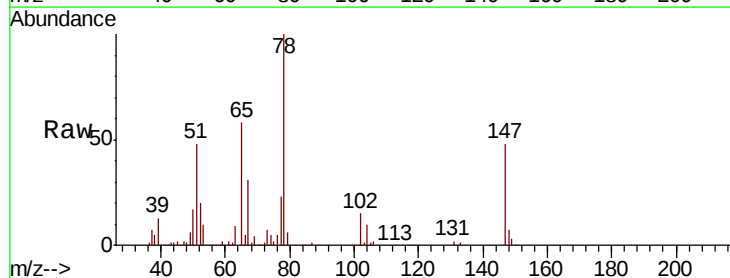
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion: 83 Resp: 310859
Ion Ratio Lower Upper
83 100
55 89.0 75.8 113.6
98 48.9 38.3 57.5



#40
Benzene
Concen: 20.43 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.04 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 78 Resp: 796497
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4





#41

Methacrylonitrile

Concen: 46.21 ug/l

RT: 5.92 min Scan# 447

Delta R.T. -0.02 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 41 Resp: 271584

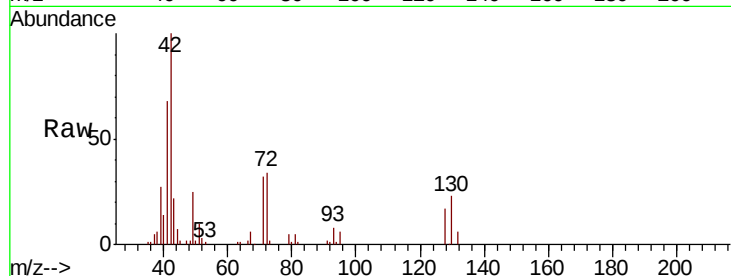
Ion Ratio Lower Upper

41 100

39 39.7 39.4 59.2

67 8.5 22.2 33.2#

52 3.8 10.1 15.1#

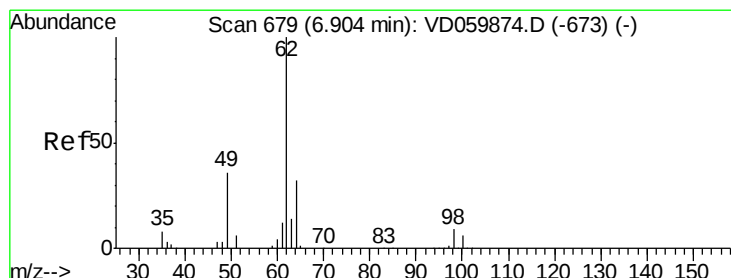
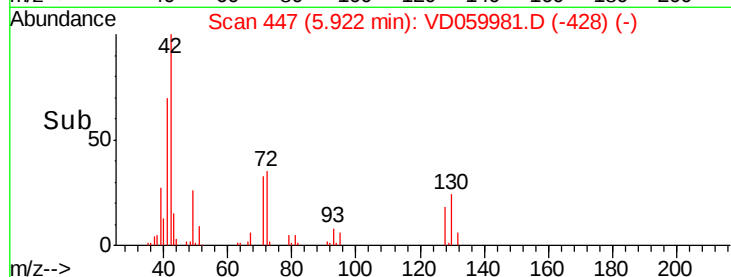
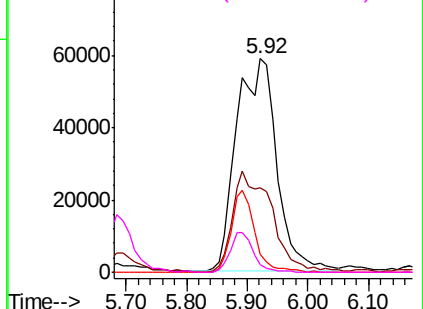


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.82 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.04 min

Lab File: VD059981.D

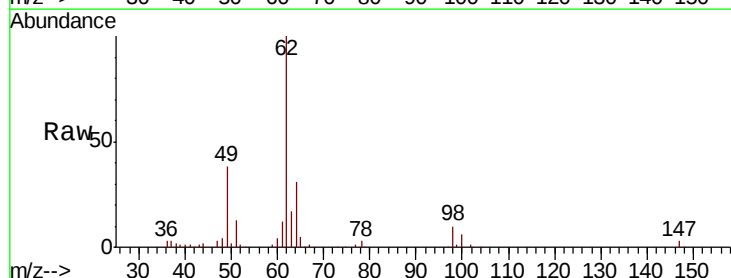
Acq: 6 Sep 2018 13:05

Tgt Ion: 62 Resp: 248112

Ion Ratio Lower Upper

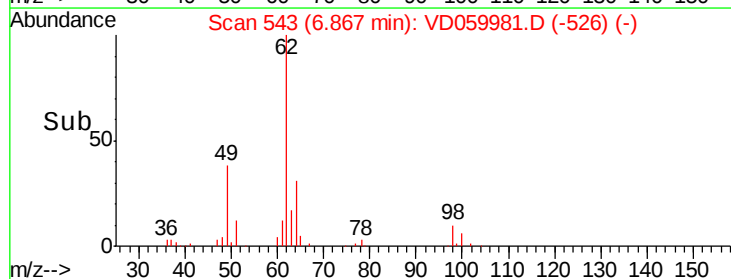
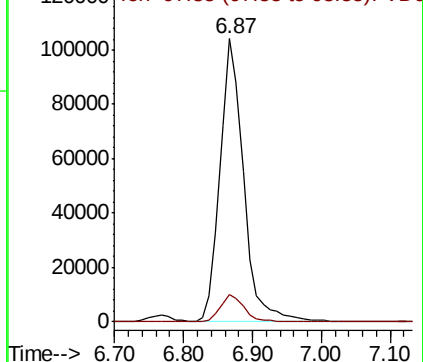
62 100

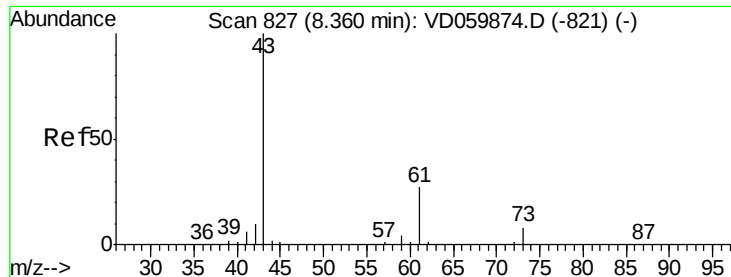
98 9.8 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



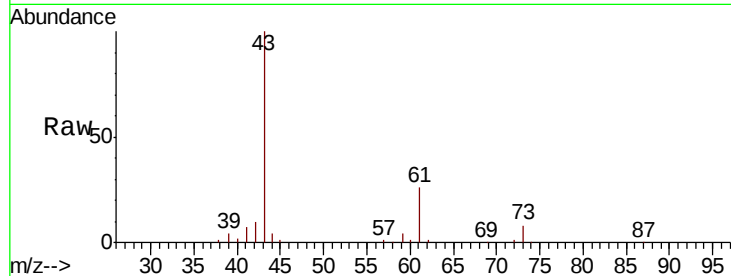


#43

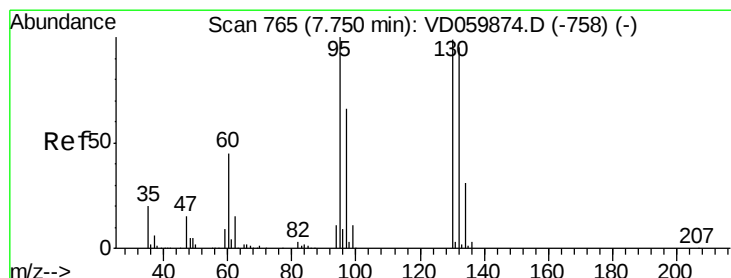
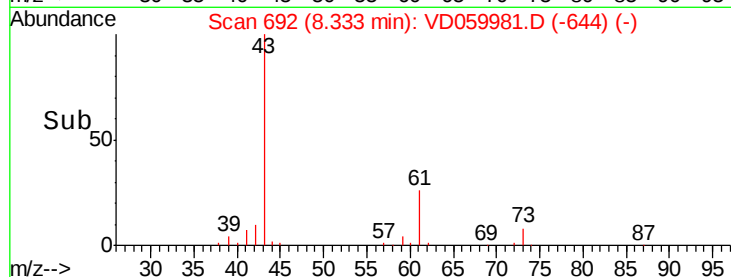
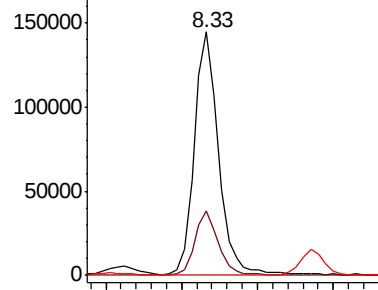
Isopropyl Acetate
 Concen: 20.91 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion: 43 Resp: 317375
 Ion Ratio Lower Upper
 43 100
 61 26.4 21.4 32.2
 87 0.3 0.2 0.4



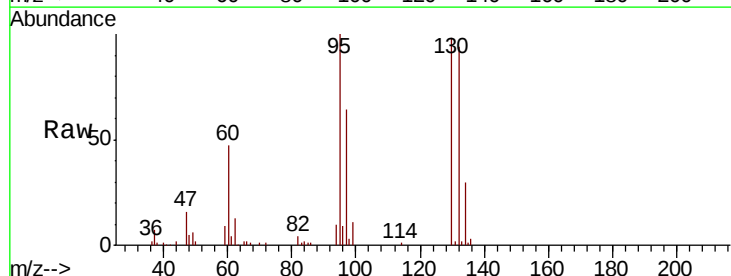
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



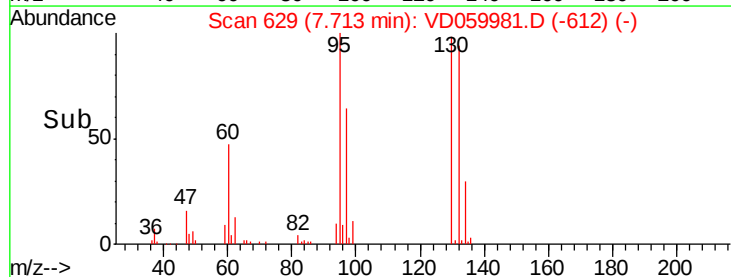
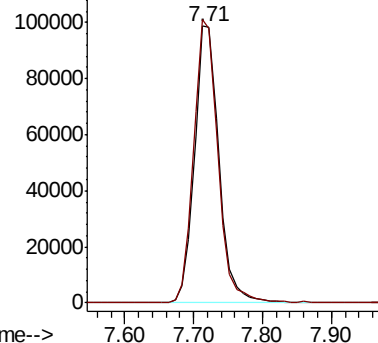
#44

Trichloroethene
 Concen: 21.15 ug/l
 RT: 7.71 min Scan# 629
 Delta R.T. -0.04 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion: 130 Resp: 242746
 Ion Ratio Lower Upper
 130 100
 95 102.3 0.0 202.0



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

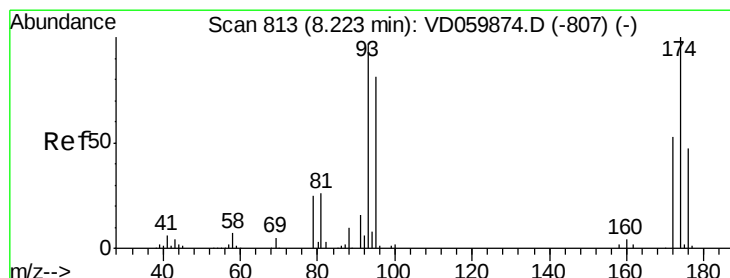
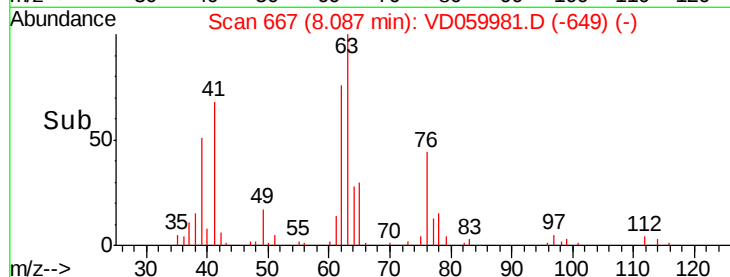
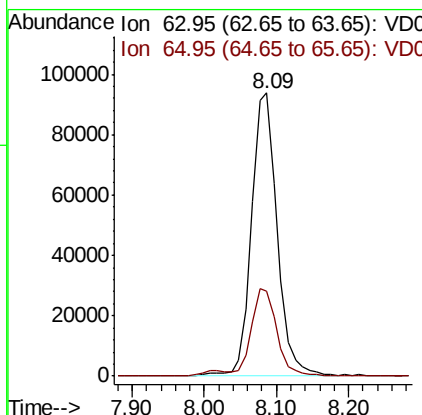
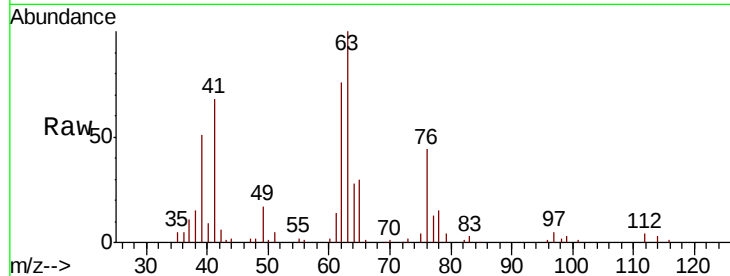




#45
 1,2-Dichloropropane
 Concen: 21.42 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

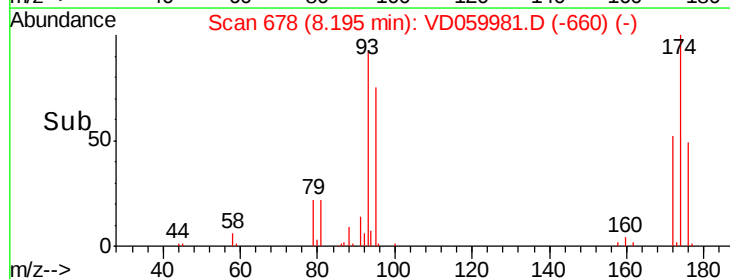
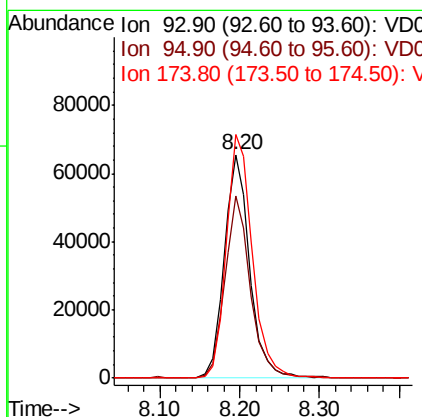
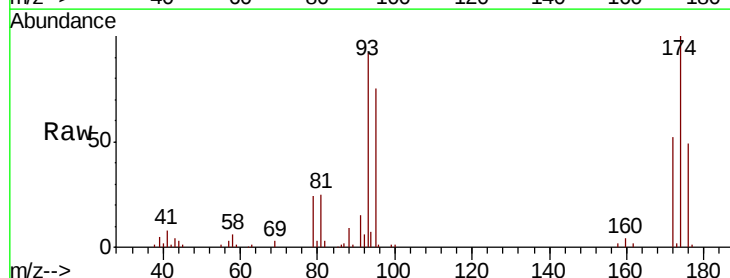
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

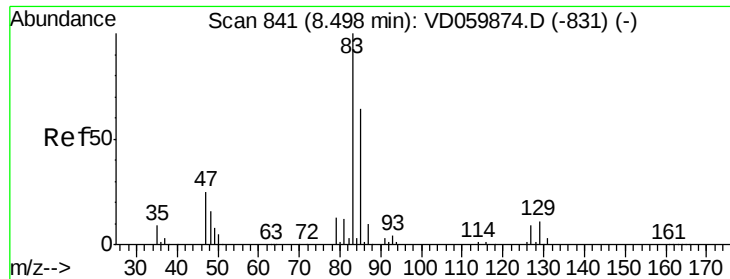
Tot Ion: 63 Resp: 233453
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.5 35.3



#46
 Dibromomethane
 Concen: 20.91 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion: 93 Resp: 146509
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.6 100.0
 174 109.1 82.4 123.6





#47

Bromodichloromethane

Concen: 20.24 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

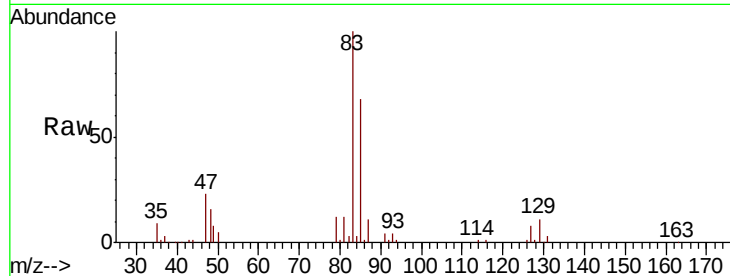
Tot Ion: 83 Resp: 321063

Ion Ratio Lower Upper

83 100

85 67.6 51.3 76.9

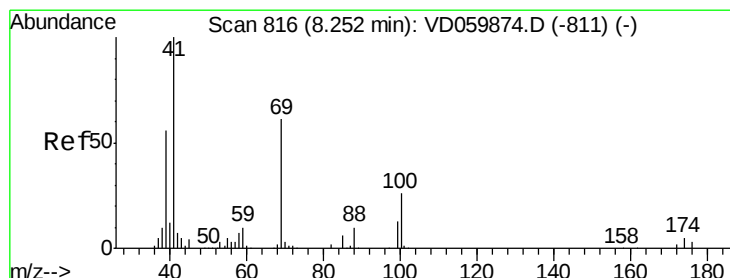
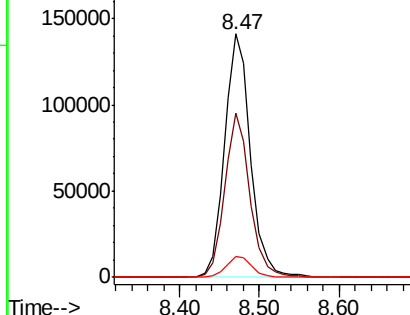
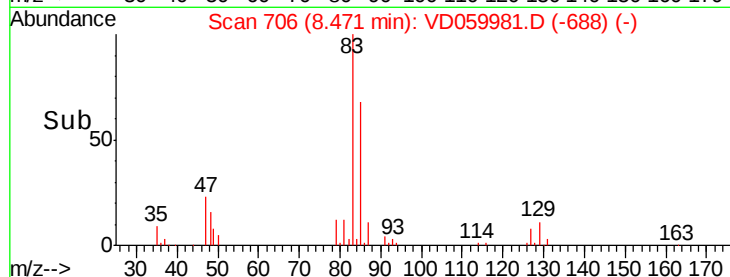
127 8.4 7.0 10.4



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.33 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

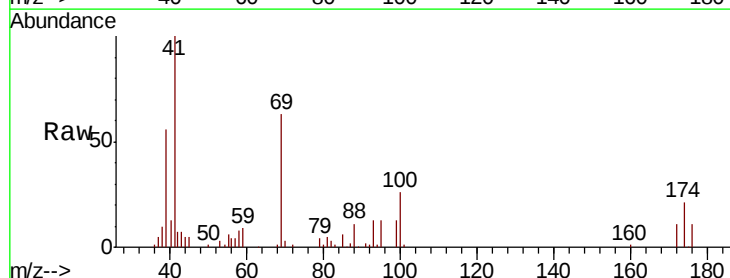
Tgt Ion: 41 Resp: 179874

Ion Ratio Lower Upper

41 100

69 63.0 48.0 72.0

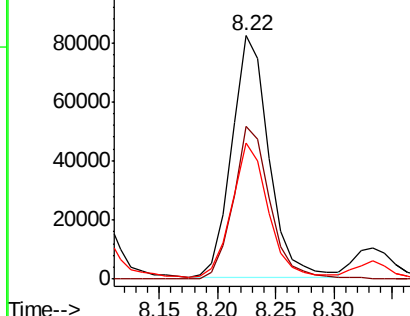
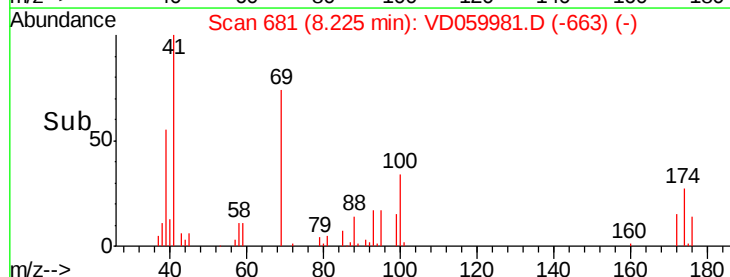
39 55.8 45.4 68.0

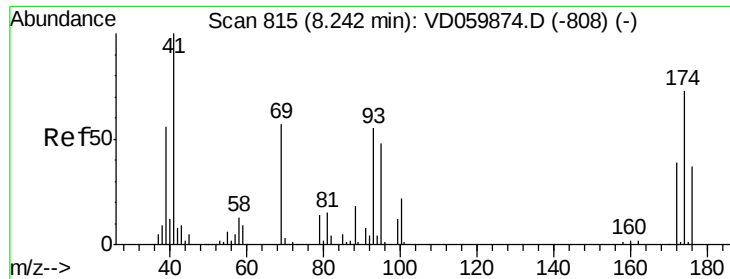


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 448.03 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

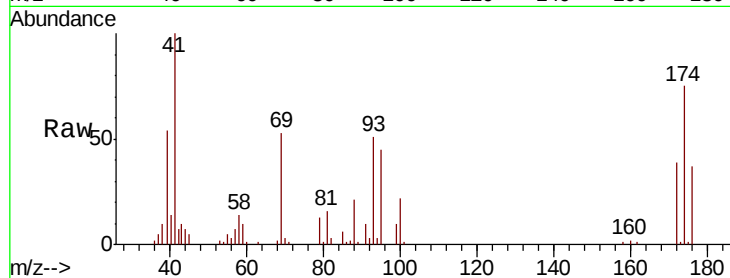
Tot Ion: 88 Resp: 35393

Ion Ratio Lower Upper

88 100

43 44.5 45.0 67.6#

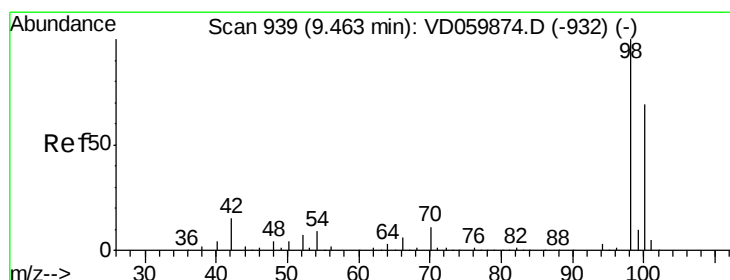
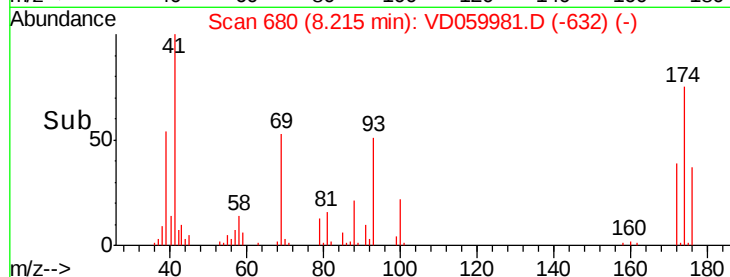
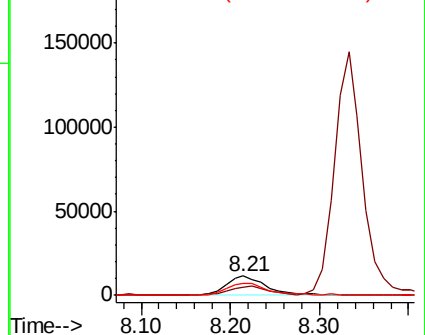
58 63.4 55.8 83.8



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: 448.03 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD059981.D

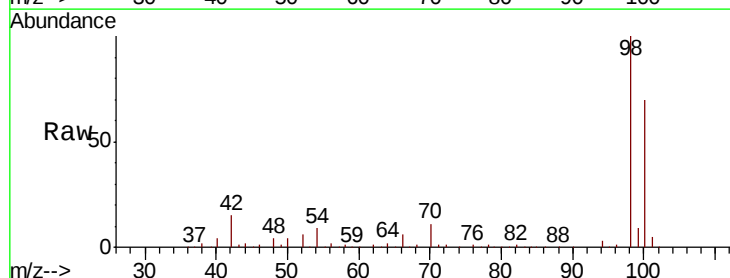
Acq: 6 Sep 2018 13:05

Tgt Ion: 98 Resp: 1884508

Ion Ratio Lower Upper

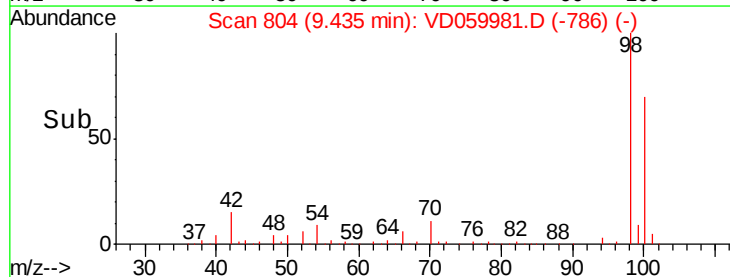
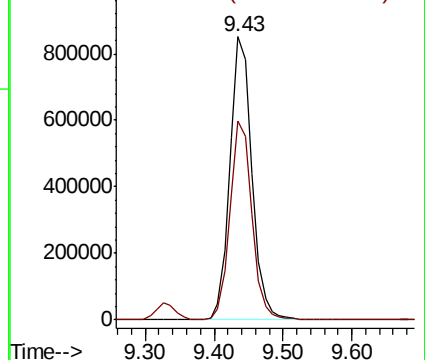
98 100

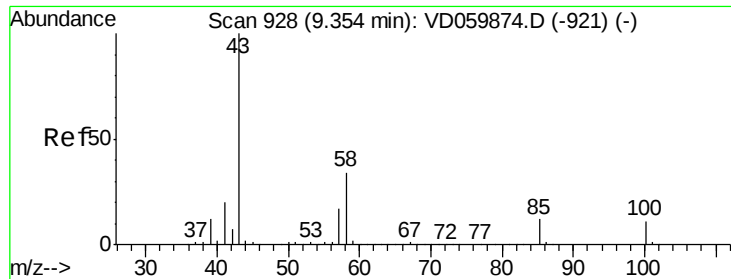
100 70.1 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 93.30 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleID :

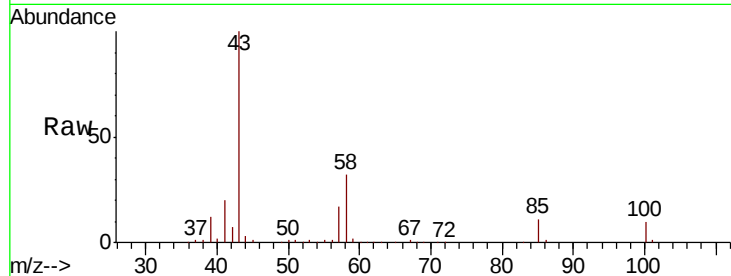
VD0906SBS01

Tot Ion: 43 Resp: 1055809

Ion Ratio Lower Upper

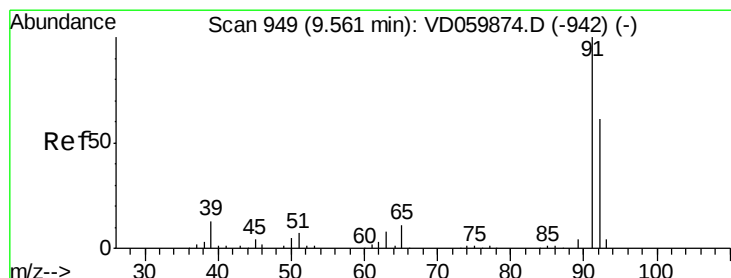
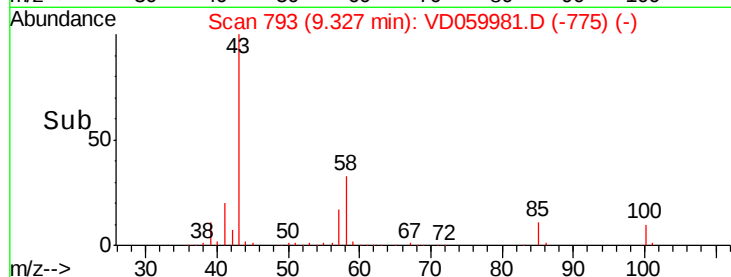
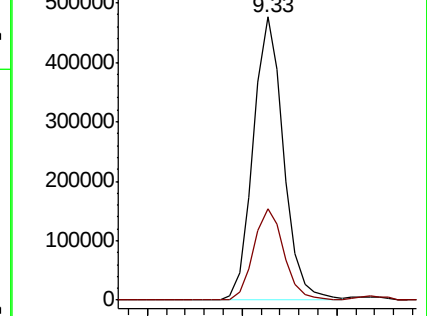
43 100

58 32.5 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.08 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD059981.D

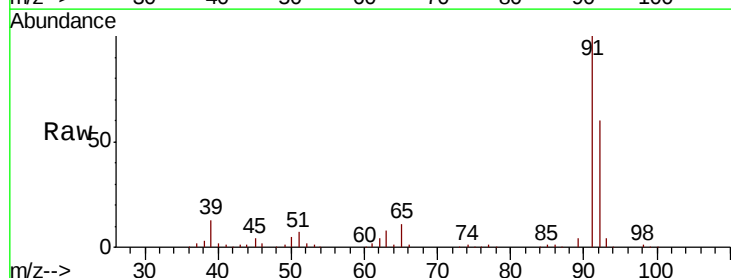
Acq: 6 Sep 2018 13:05

Tgt Ion: 92 Resp: 526872

Ion Ratio Lower Upper

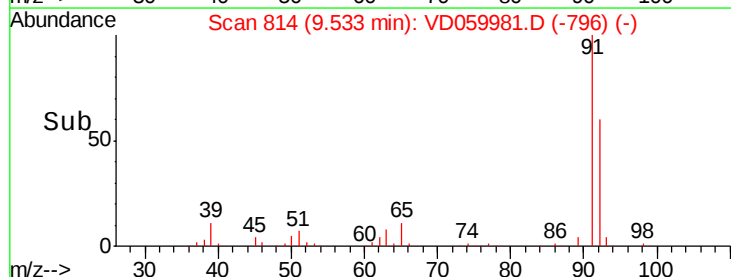
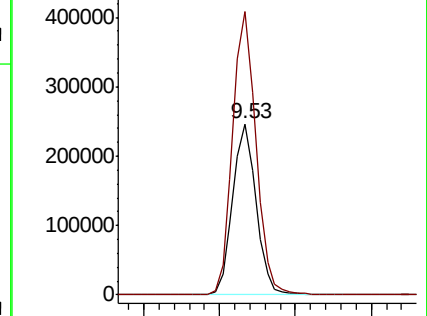
92 100

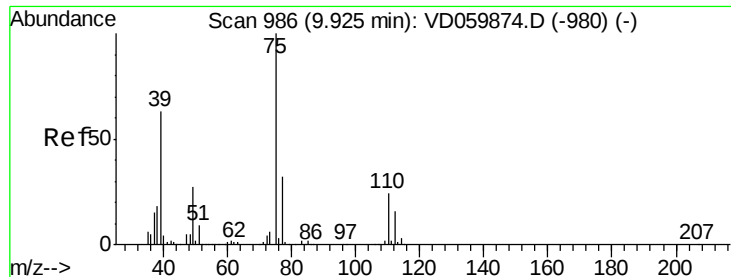
91 165.6 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.09 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.02 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

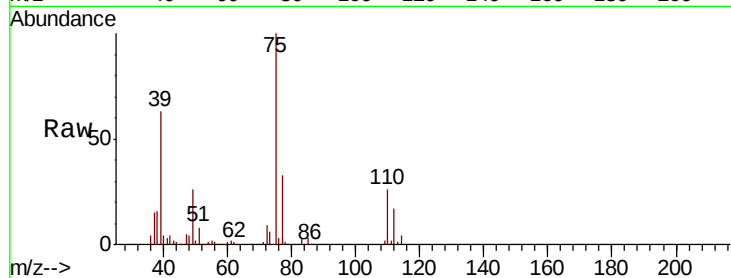
VD0906SBS01

Tot Ion: 75 Resp: 294791

Ion Ratio Lower Upper

75 100

77 33.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

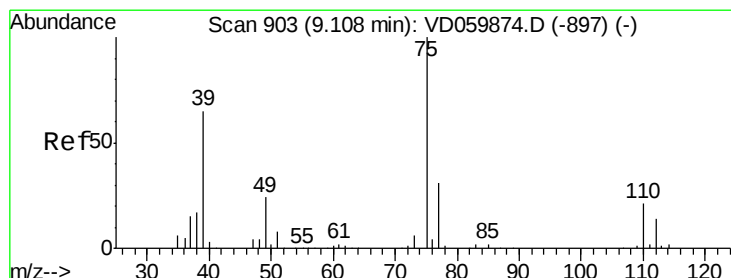
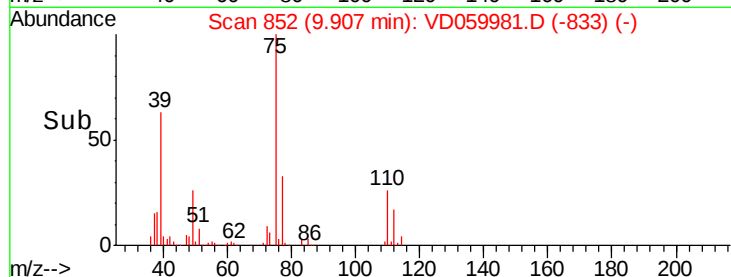
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.54 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

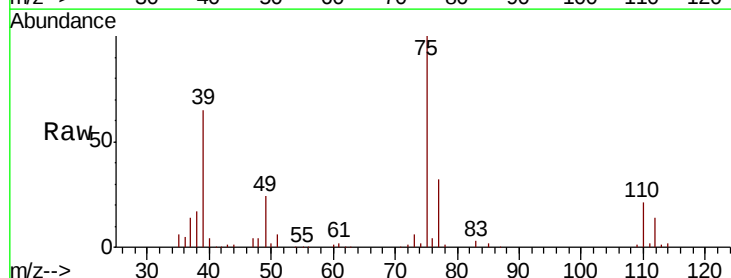
Tgt Ion: 75 Resp: 349445

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 65.0 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

150000

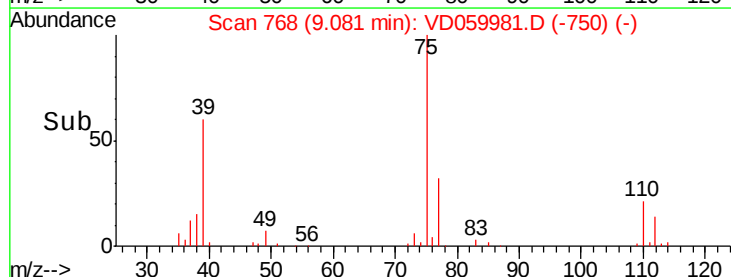
100000

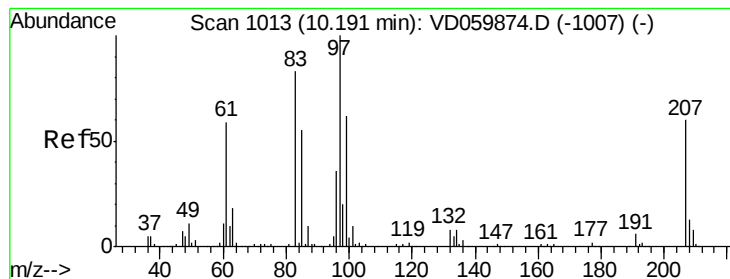
50000

0

9.00 9.10 9.20

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.68 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

Tot Ion: 97 Resp: 198160

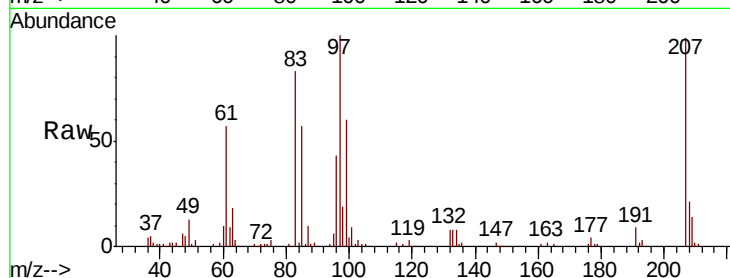
Ion Ratio Lower Upper

97 100

83 82.9 66.7 100.1

85 57.0 43.8 65.6

99 59.5 49.8 74.6

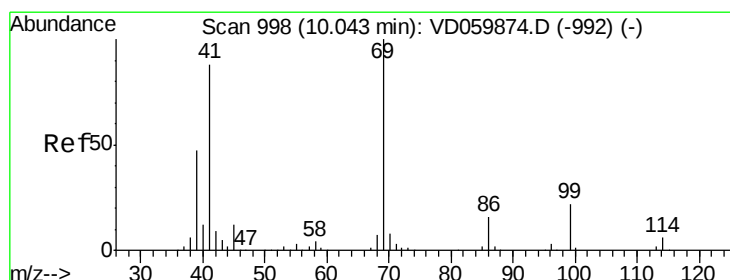
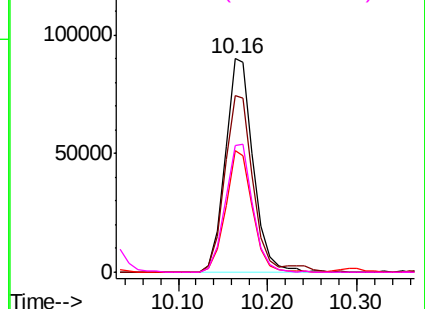
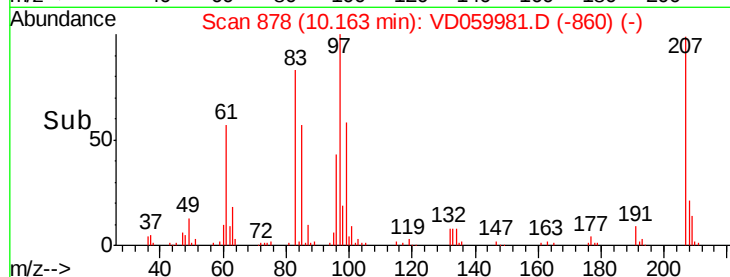


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.50 ug/l

RT: 10.02 min Scan# 863

Delta R.T. -0.03 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

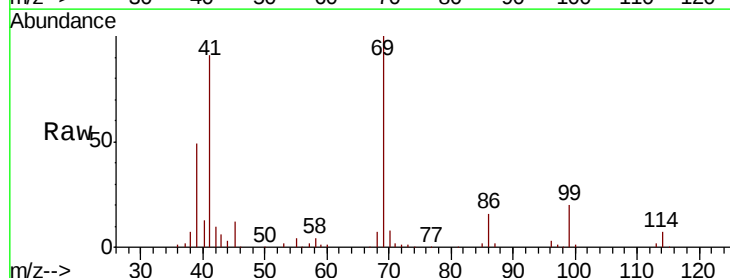
Tgt Ion: 69 Resp: 216203

Ion Ratio Lower Upper

69 100

41 90.7 71.0 106.4

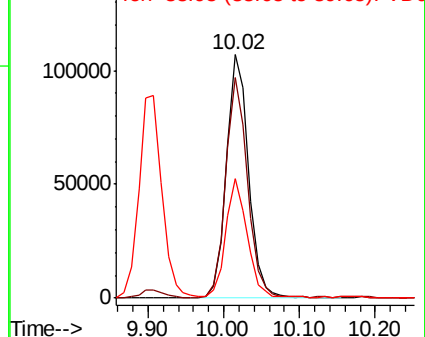
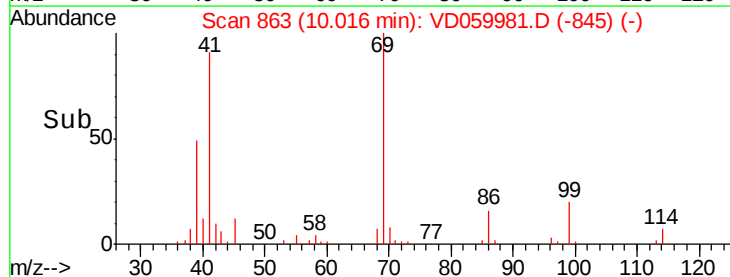
39 49.0 38.5 57.7

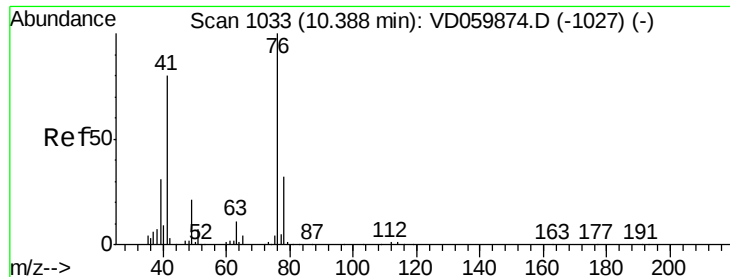


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

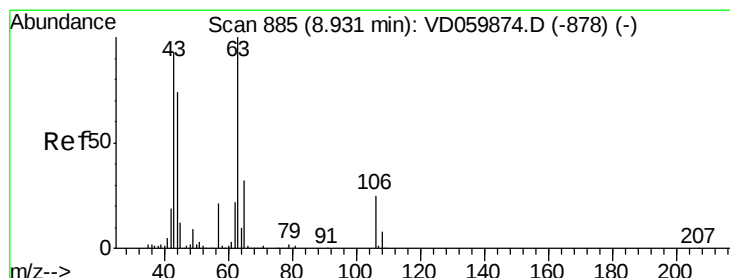
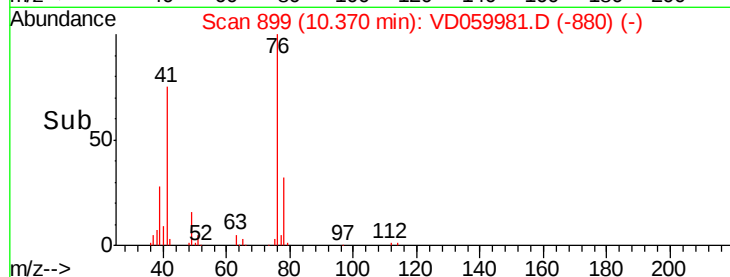
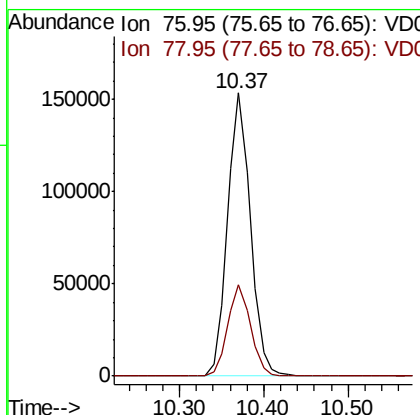
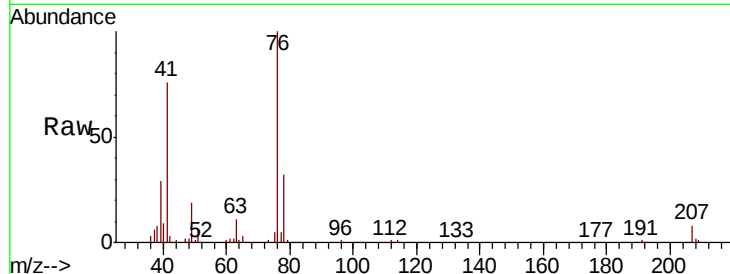




#57
 1,3-Dichloropropane
 Concen: 21.87 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

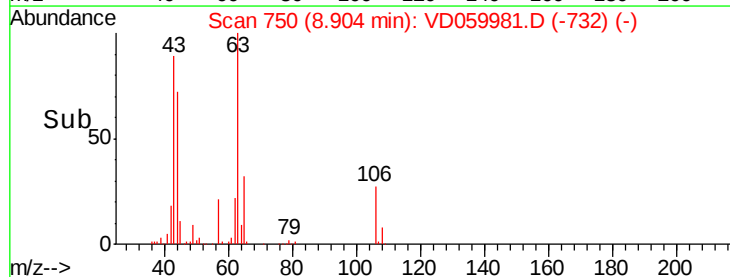
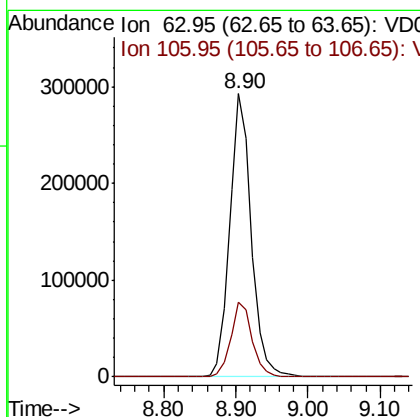
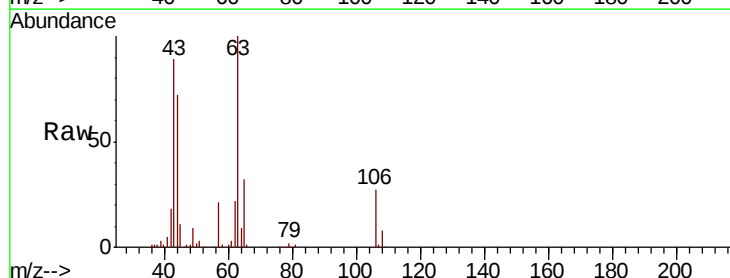
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

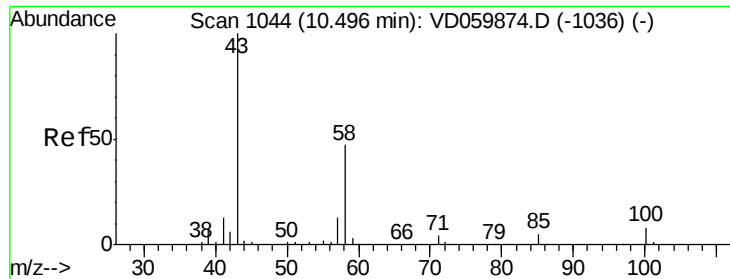
Tot Ion: 76 Resp: 289292
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.04 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion: 63 Resp: 607335
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.1 30.1

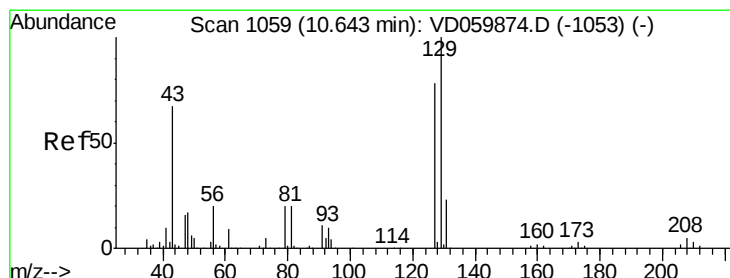
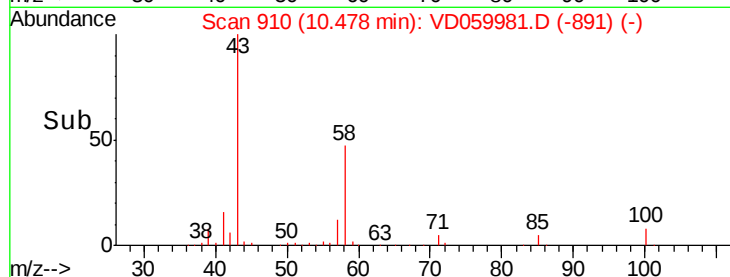
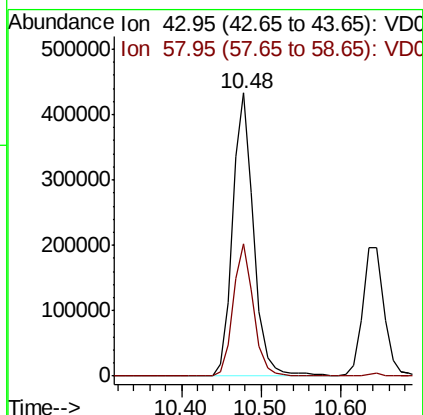
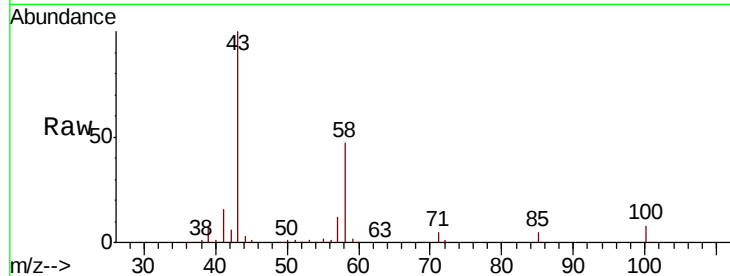




#59
2-Hexanone
Concen: 95.39 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

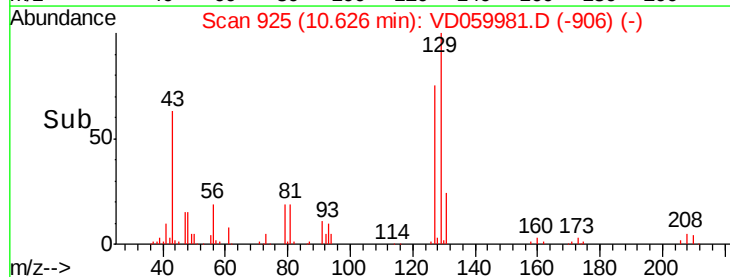
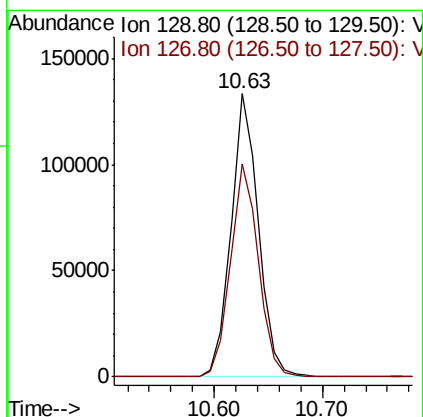
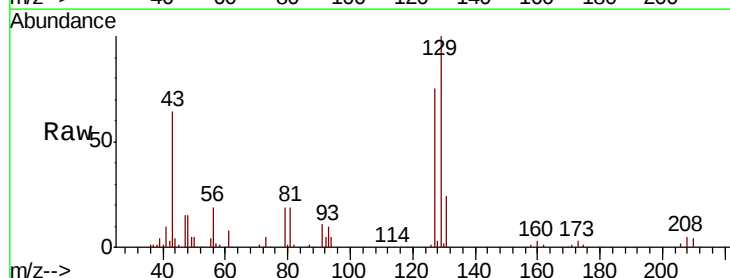
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

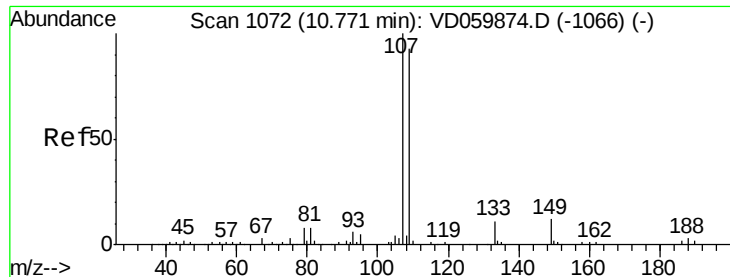
Tot Ion: 43 Resp: 796168
Ion Ratio Lower Upper
43 100
58 46.9 23.3 69.8



#60
Dibromochloromethane
Concen: 20.37 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 129 Resp: 233921
Ion Ratio Lower Upper
129 100
127 75.2 39.1 117.2

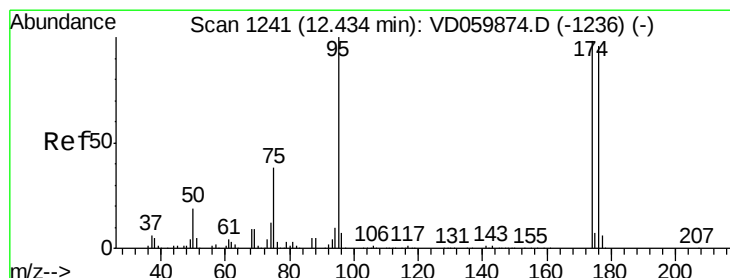
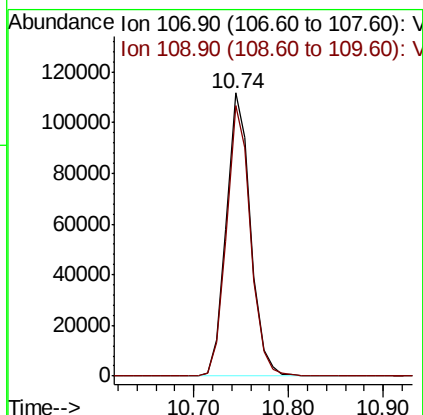
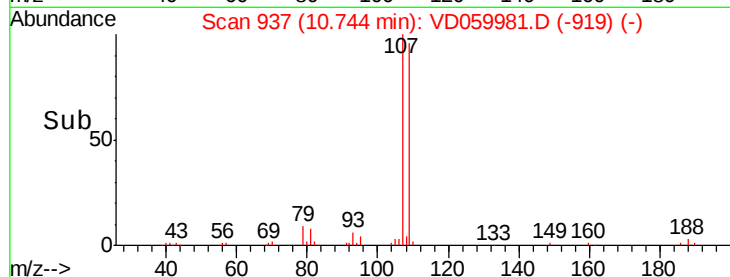
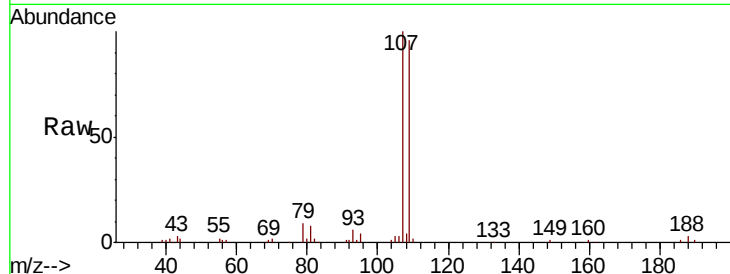




#61
 1,2-Dibromoethane
 Concen: 21.43 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.03 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

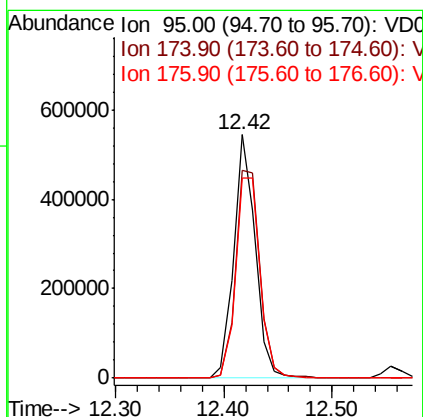
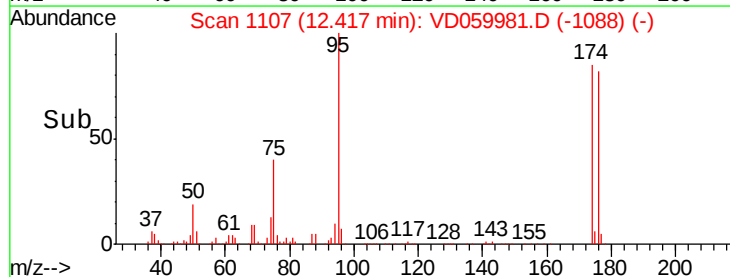
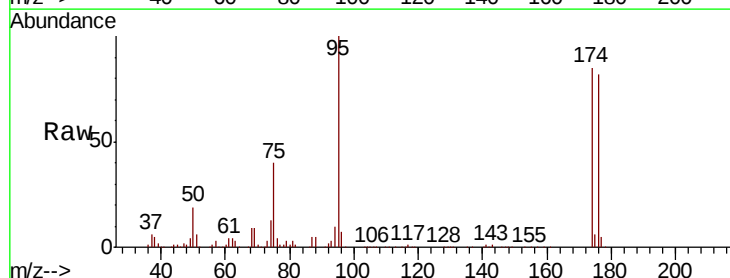
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

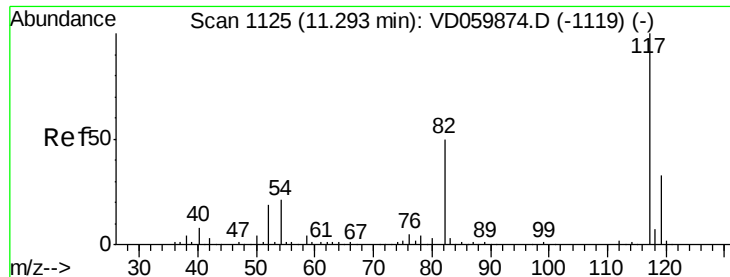
Tot Ion:107 Resp: 197992
 Ion Ratio Lower Upper
 107 100
 109 95.6 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 21.43 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion: 95 Resp: 751234
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 195.6
 176 82.0 0.0 191.2

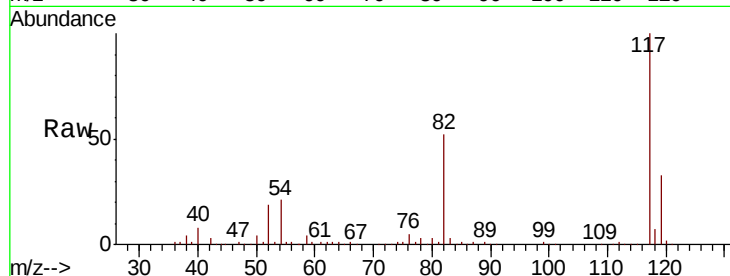




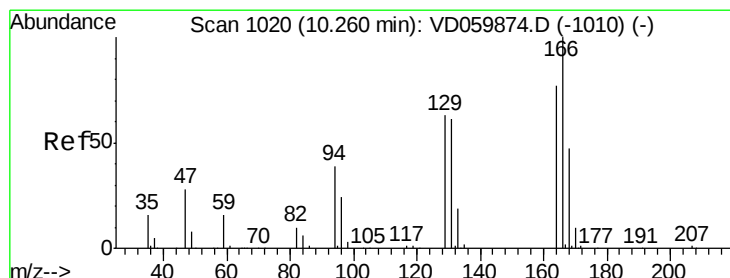
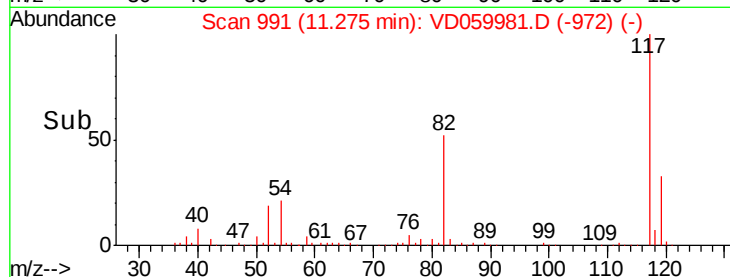
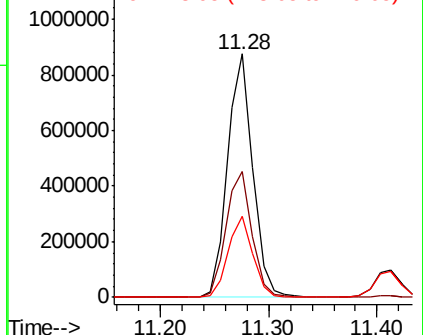
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion:117 Resp: 1419900
Ion Ratio Lower Upper
117 100
82 51.6 40.1 60.1
119 33.1 26.7 40.1

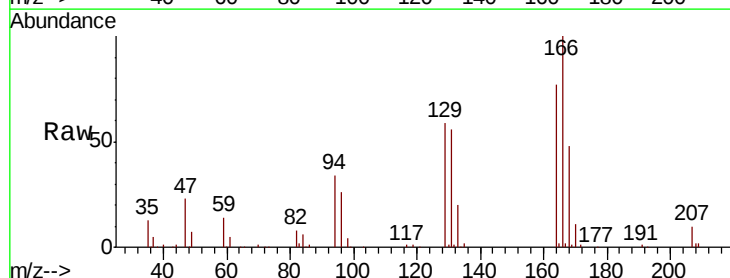


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

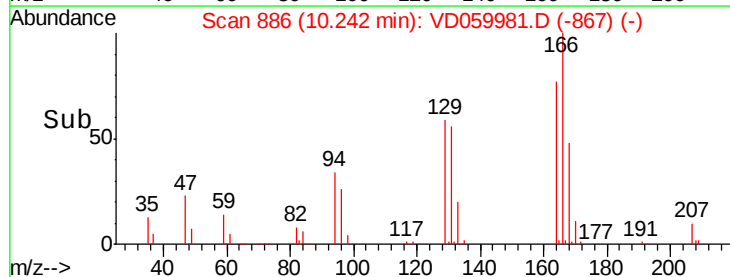
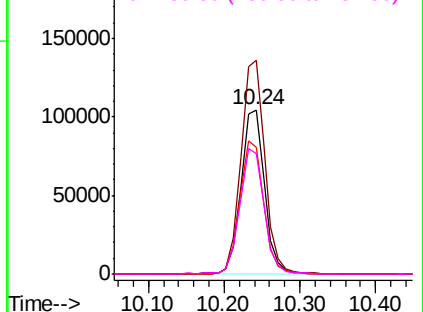


#64
Tetrachloroethene
Concen: 20.37 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion:164 Resp: 223665
Ion Ratio Lower Upper
164 100
166 130.2 103.4 155.2
129 77.4 65.2 97.8
131 73.3 63.1 94.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

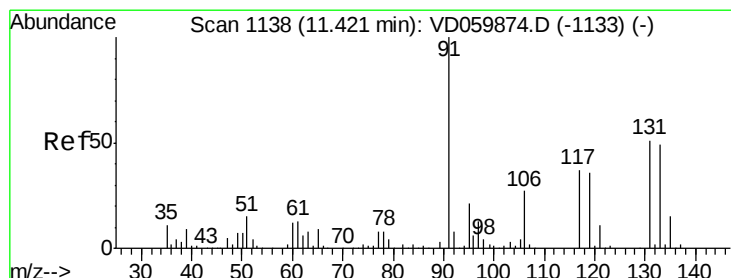
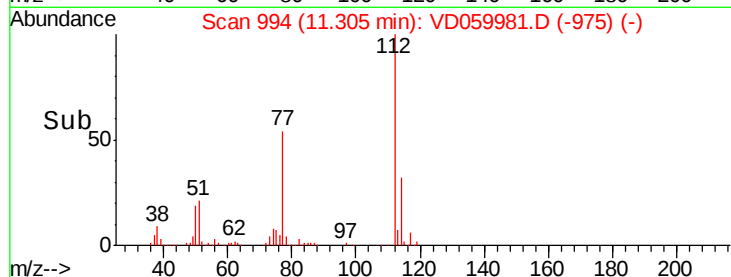
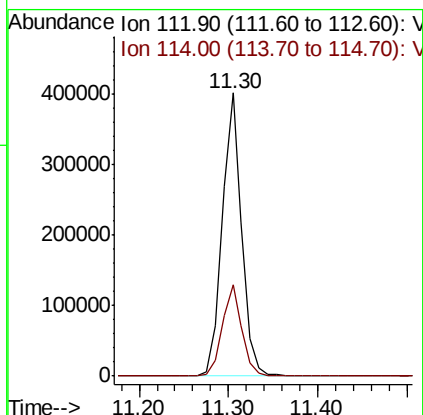
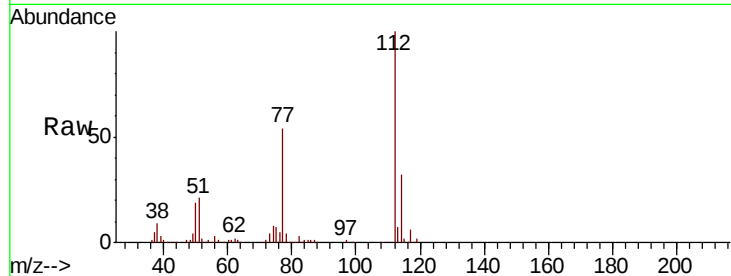




#65
Chlorobenzene
Concen: 21.80 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

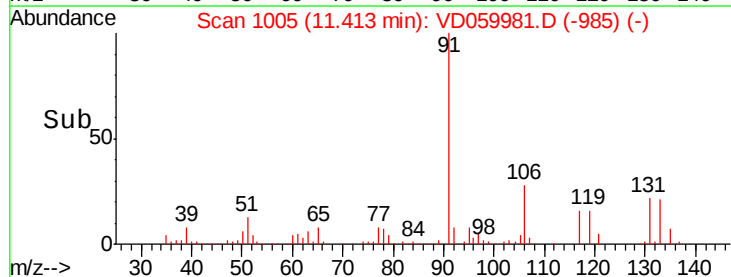
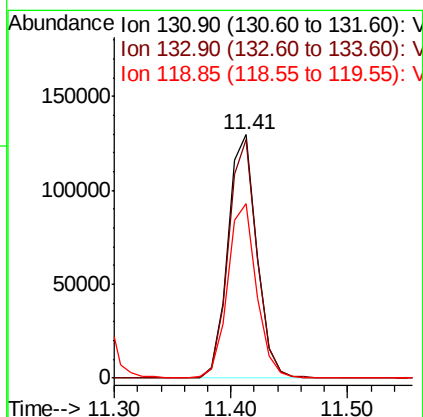
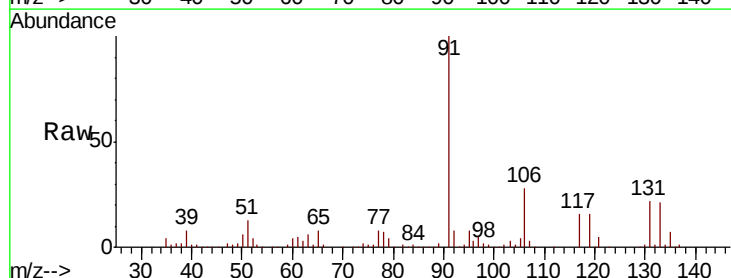
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion:112 Resp: 615074
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.58 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion:131 Resp: 222454
Ion Ratio Lower Upper
131 100
133 98.0 48.3 144.8
119 71.7 35.4 106.3

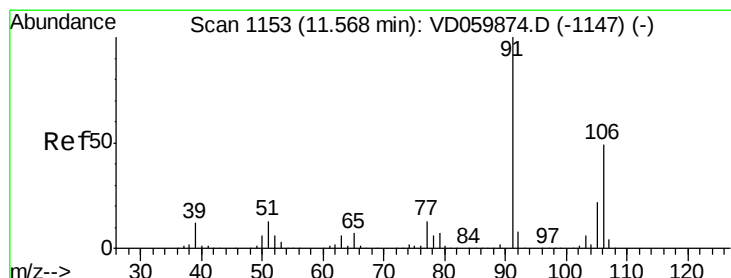
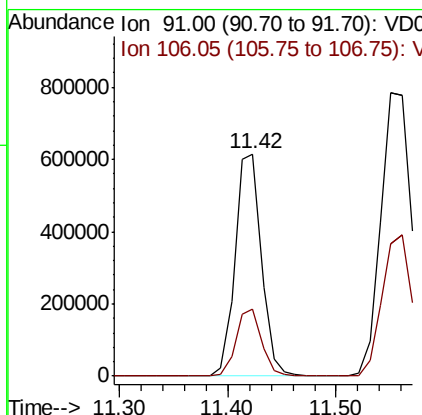
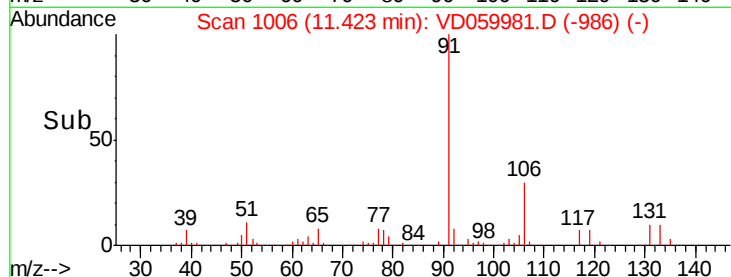
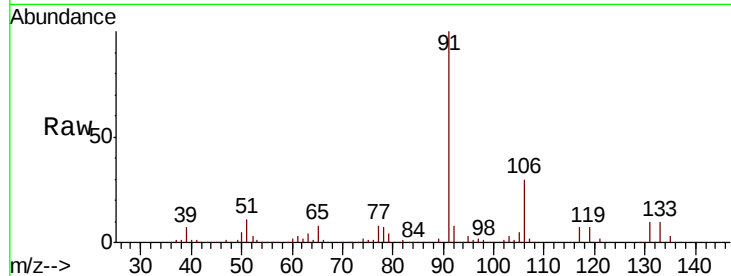




#67
Ethyl Benzene
Concen: 21.93 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

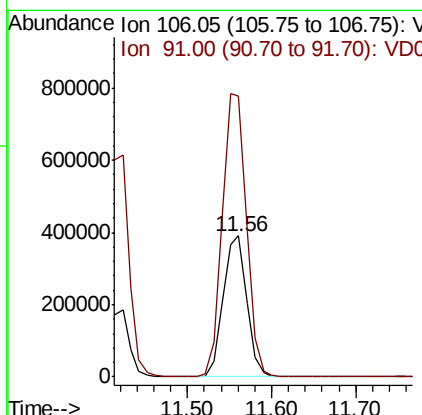
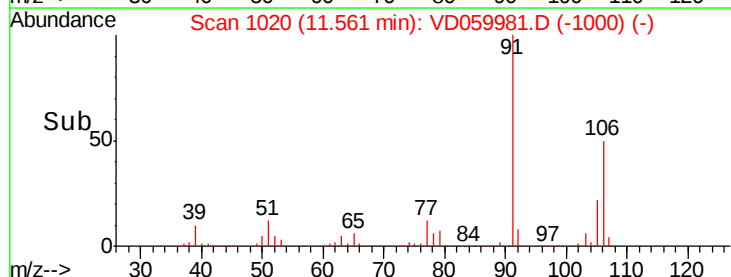
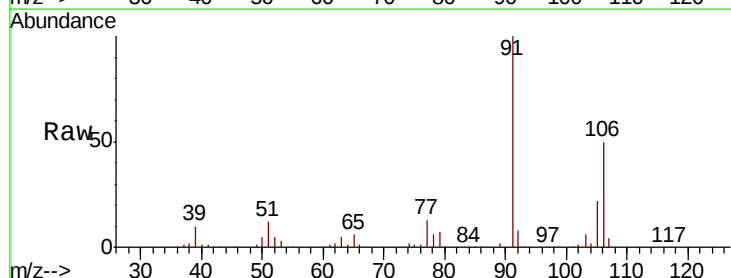
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

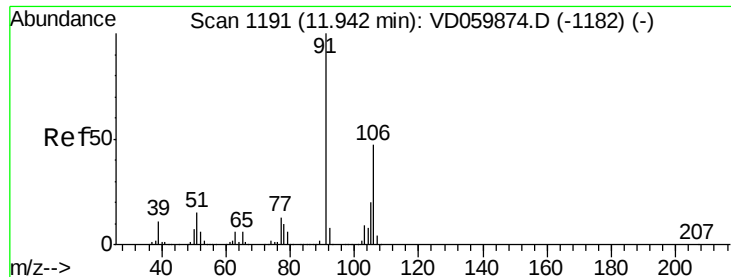
Tot Ion: 91 Resp: 1040769
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.8



#68
m/p-Xylenes
Concen: 43.59 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 106 Resp: 753418
Ion Ratio Lower Upper
106 100
91 199.0 162.0 243.0

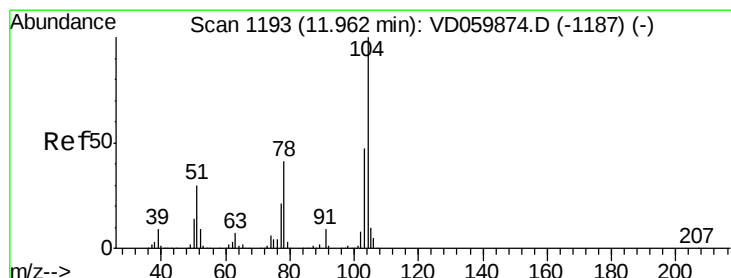
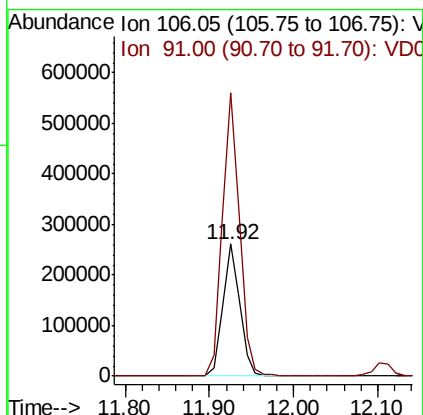
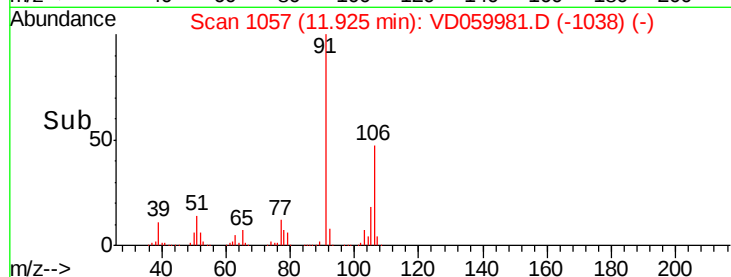
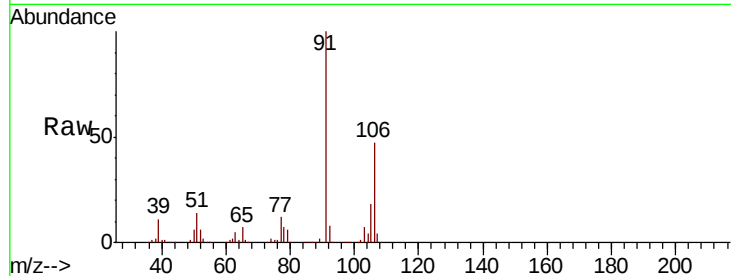




#69
o-Xylene
Concen: 21.61 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

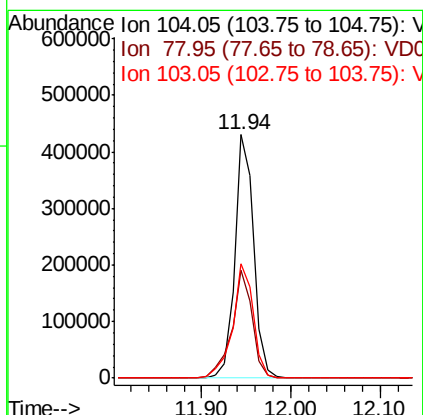
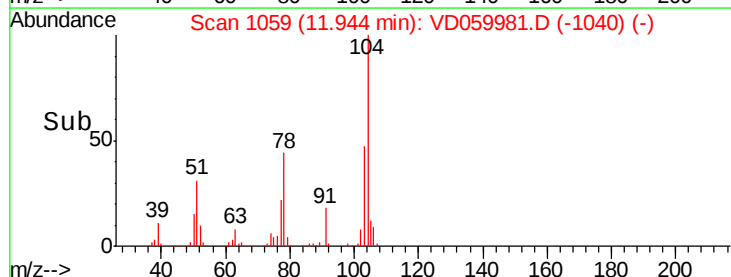
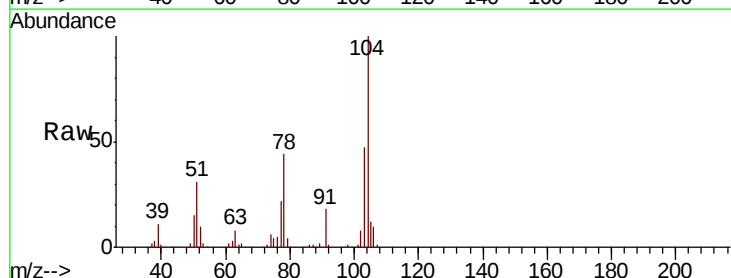
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion:106 Resp: 365271
Ion Ratio Lower Upper
106 100
91 214.0 107.3 322.0



#70
Styrene
Concen: 21.82 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion:104 Resp: 638554
Ion Ratio Lower Upper
104 100
78 44.2 32.6 49.0
103 47.0 37.7 56.5

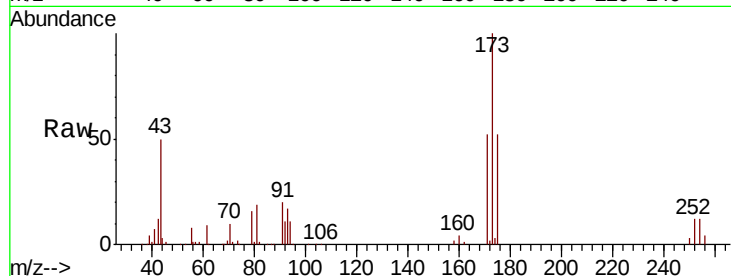




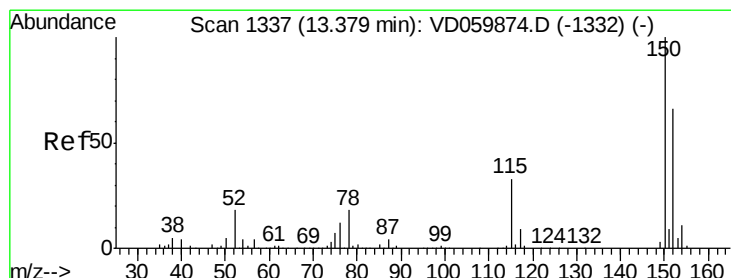
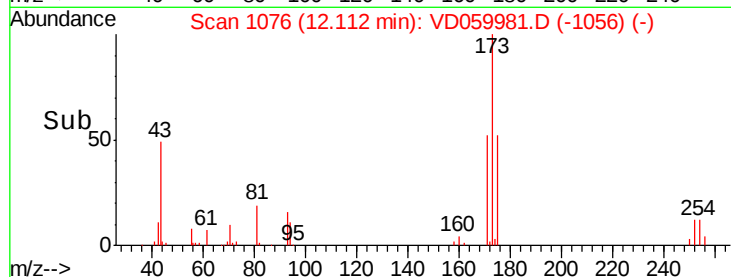
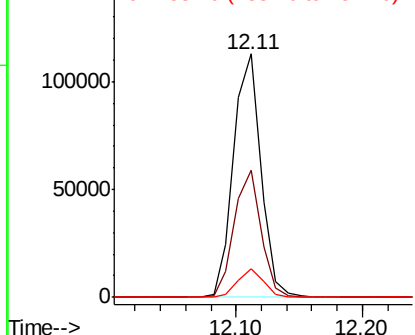
#71
Bromoform
Concen: 18.88 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

Tot Ion:173 Resp: 168413
Ion Ratio Lower Upper
173 100
175 52.0 24.3 73.0
254 11.5 7.0 10.6#

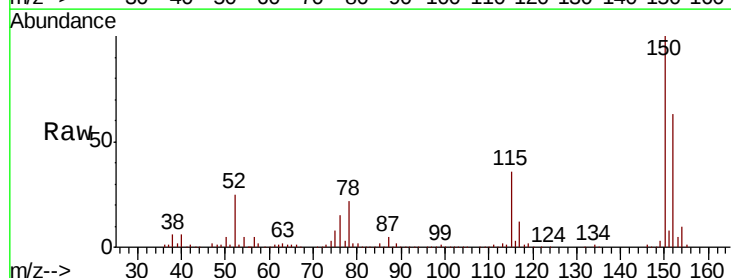


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

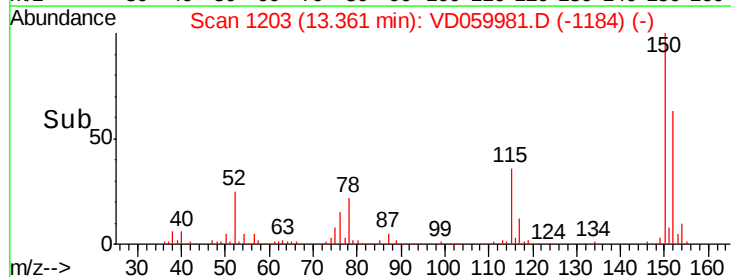
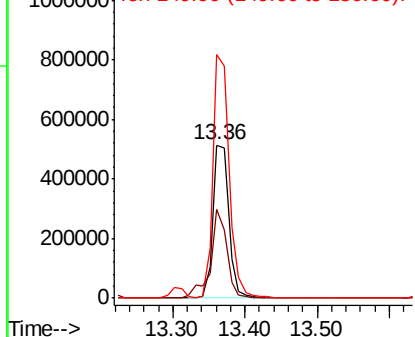


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion:152 Resp: 771620
Ion Ratio Lower Upper
152 100
115 57.8 25.7 77.0
150 158.9 0.0 310.2



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





#73

Isopropylbenzene

Concen: 20.57 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

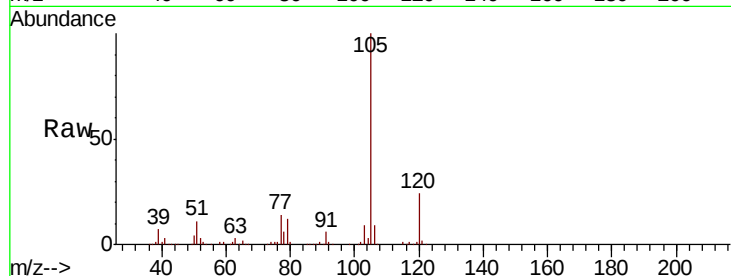
VD0906SBS01

Tot Ion:105 Resp: 1013072

Ion Ratio Lower Upper

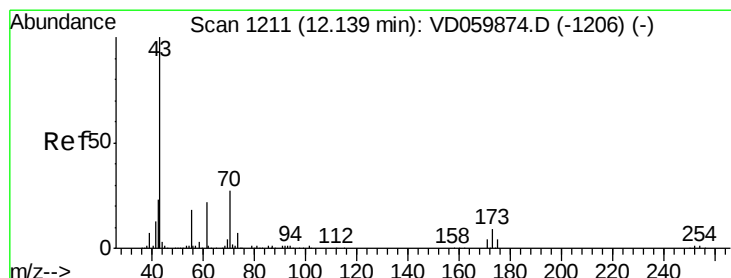
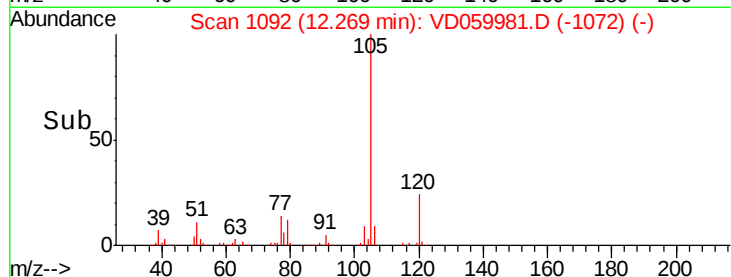
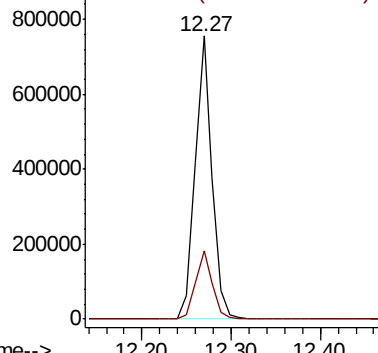
105 100

120 24.1 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.00 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Tgt Ion: 43 Resp: 409800

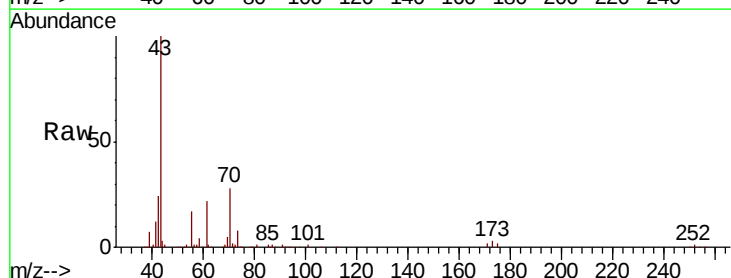
Ion Ratio Lower Upper

43 100

70 28.4 21.4 32.2

55 17.3 14.1 21.1

61 22.3 17.8 26.8

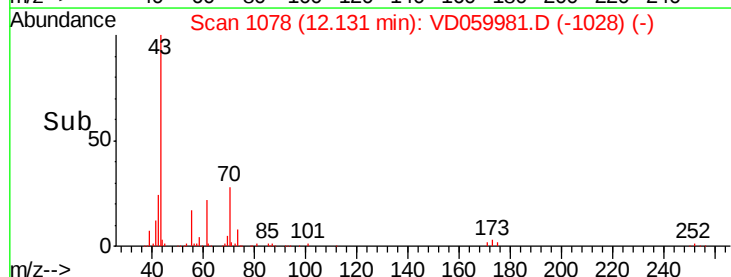
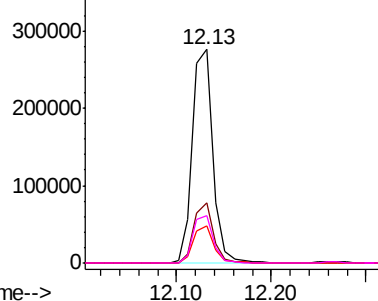


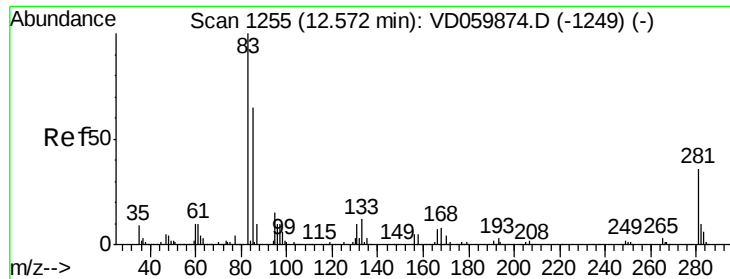
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 20.55 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

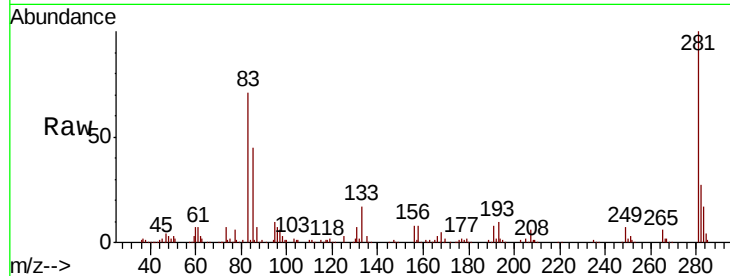
Tot Ion: 83 Resp: 234111

Ion Ratio Lower Upper

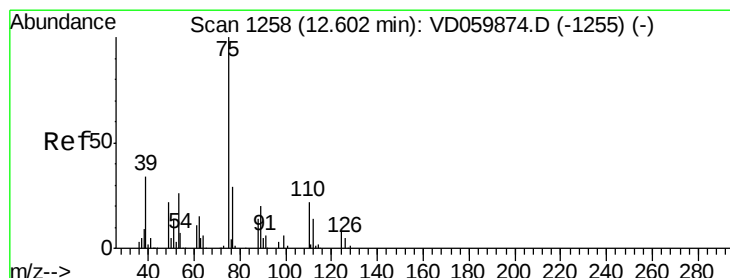
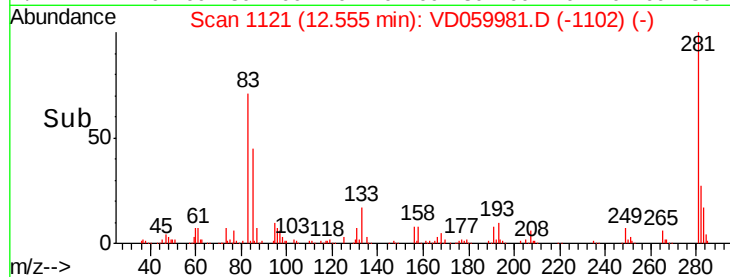
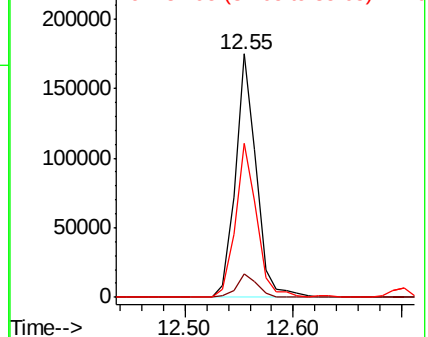
83 100

131 9.6 4.8 14.4

85 63.2 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.92 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD059981.D

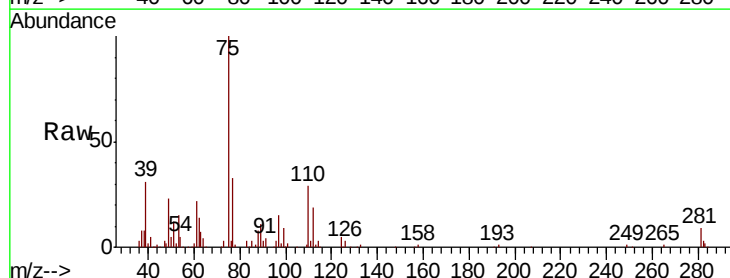
Acq: 6 Sep 2018 13:05

Tgt Ion: 75 Resp: 238919

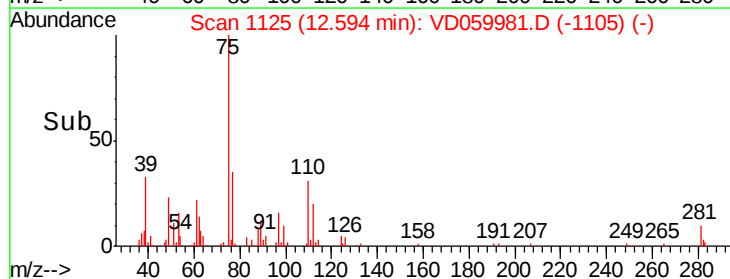
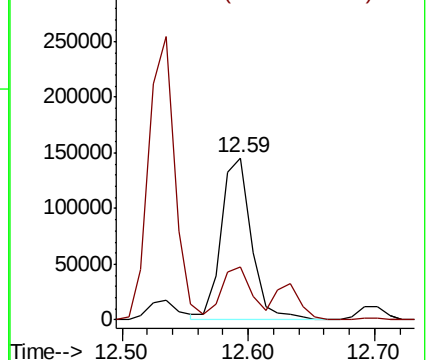
Ion Ratio Lower Upper

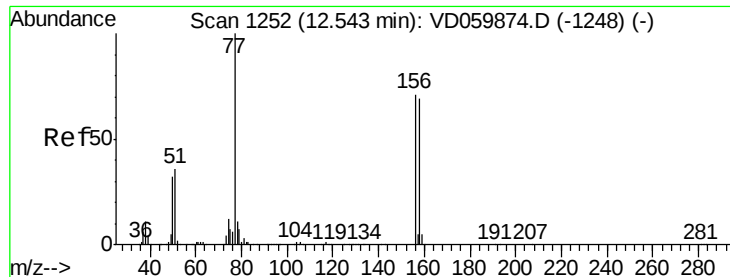
75 100

77 32.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.24 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

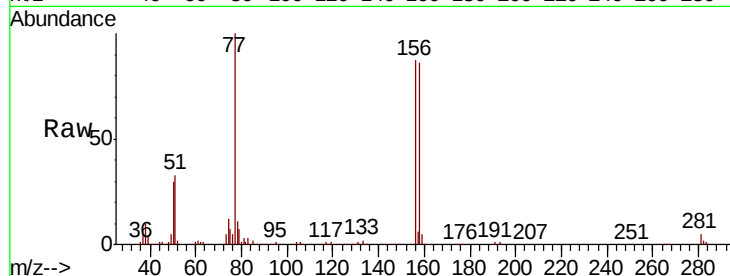
Tot Ion:156 Resp: 290050

Ion Ratio Lower Upper

156 100

77 115.5 70.2 210.4

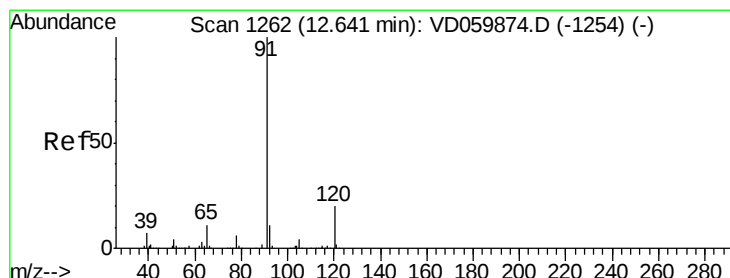
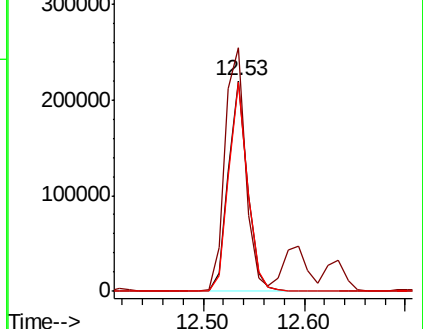
158 99.2 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.16 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD059981.D

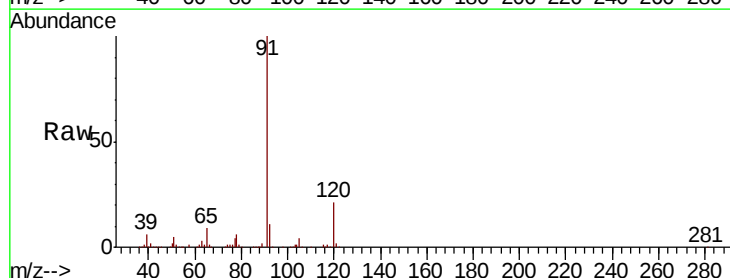
Acq: 6 Sep 2018 13:05

Tgt Ion: 91 Resp: 1319937

Ion Ratio Lower Upper

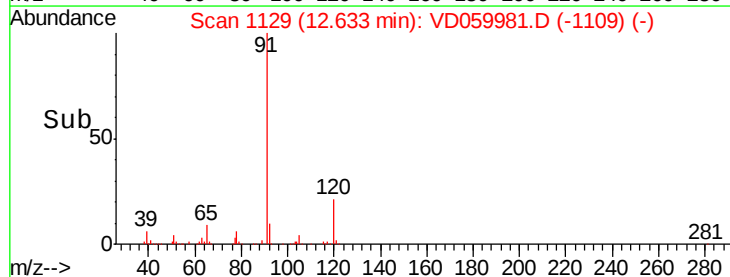
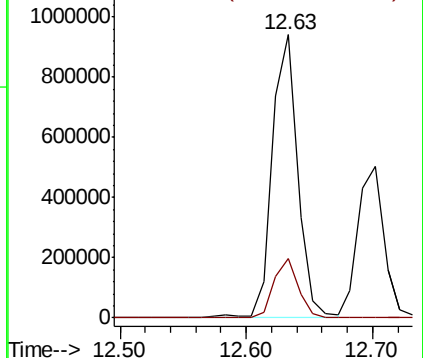
91 100

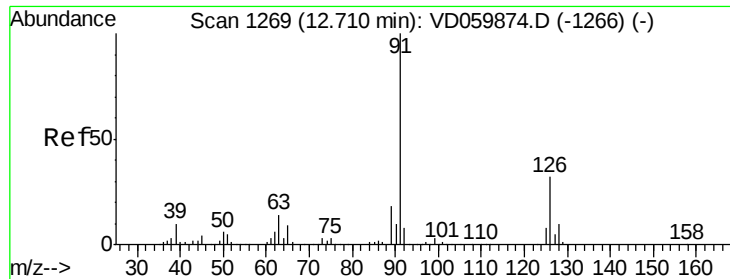
120 21.0 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

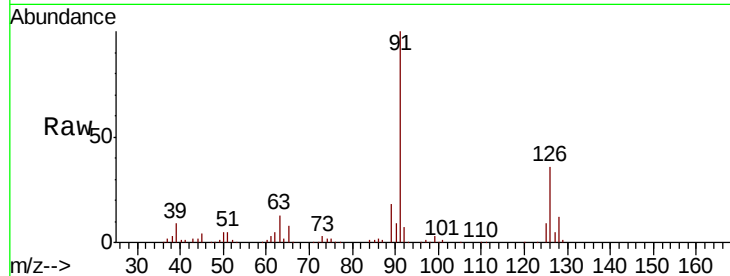




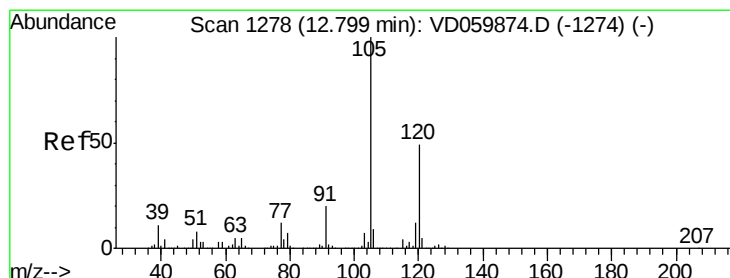
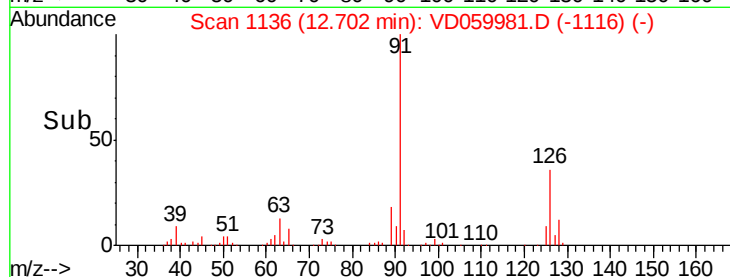
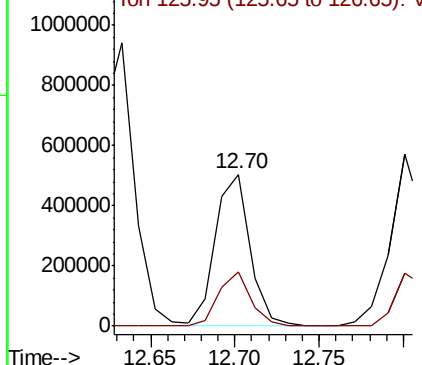
#79
 2-Chlorotoluene
 Concen: 20.51 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion: 91 Resp: 723489
 Ion Ratio Lower Upper
 91 100
 126 35.6 16.1 48.2

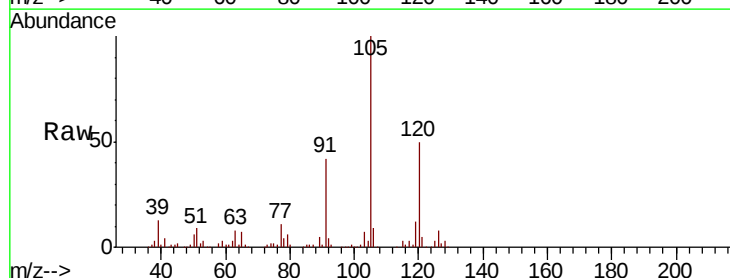


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

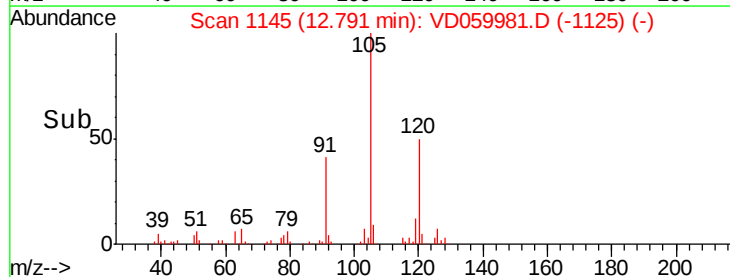
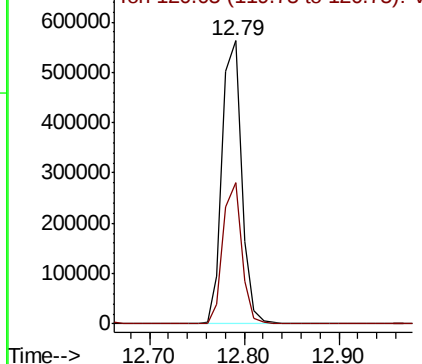


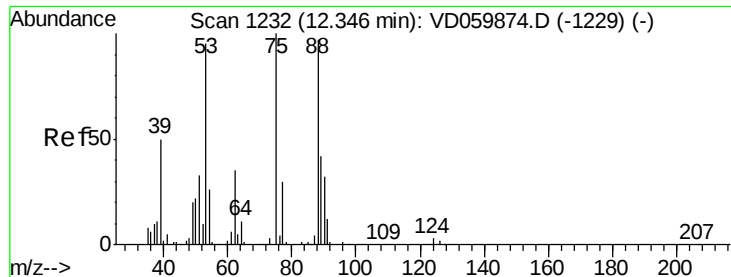
#80
 1,3,5-Trimethylbenzene
 Concen: 20.51 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion: 105 Resp: 803116
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.5 73.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.39 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

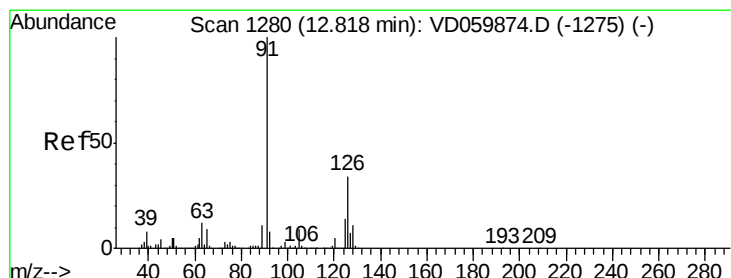
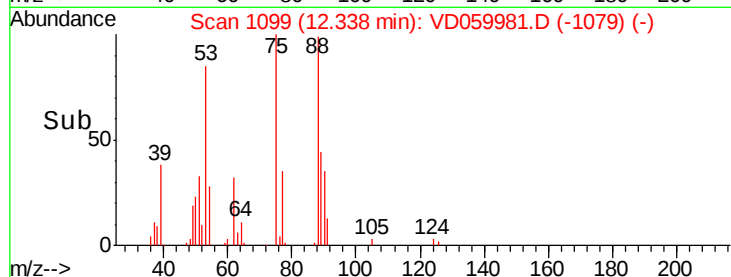
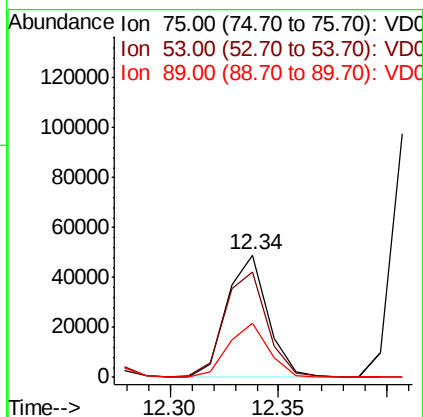
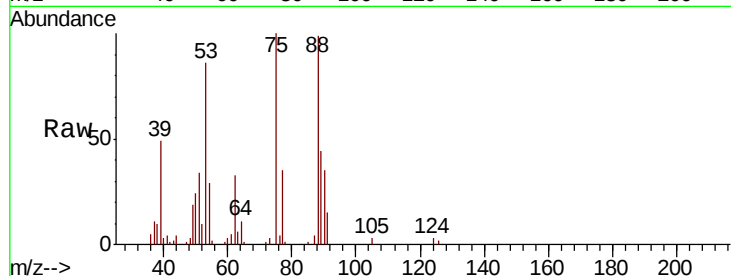
Tot Ion: 75 Resp: 64891

Ion Ratio Lower Upper

75 100

53 86.2 75.8 113.6

89 44.2 33.6 50.4



#82

4-Chlorotoluene

Concen: 20.16 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD059981.D

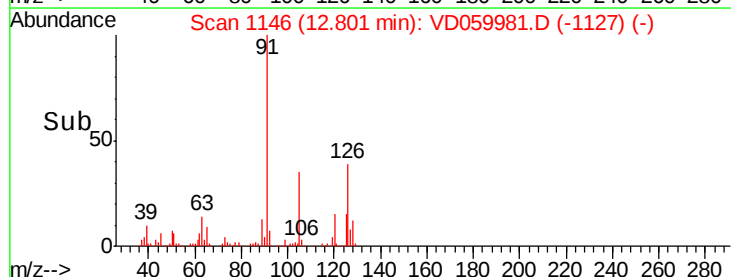
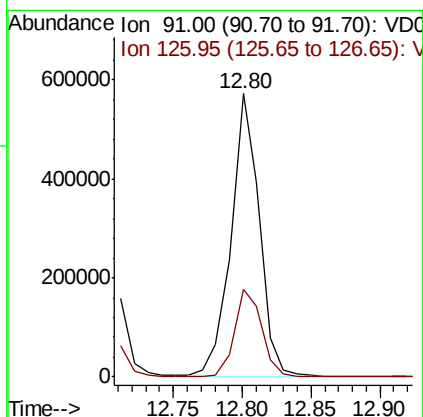
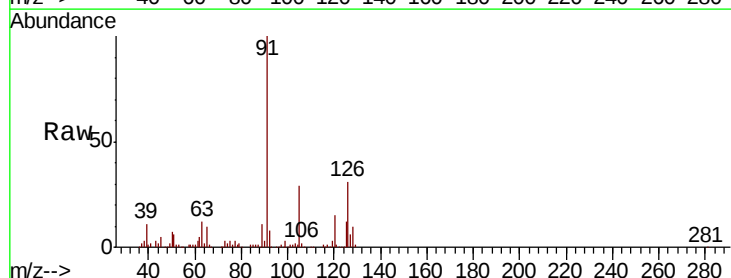
Acq: 6 Sep 2018 13:05

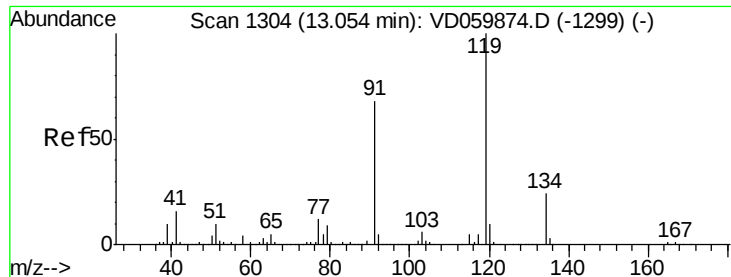
Tgt Ion: 91 Resp: 811041

Ion Ratio Lower Upper

91 100

126 30.8 17.1 51.2

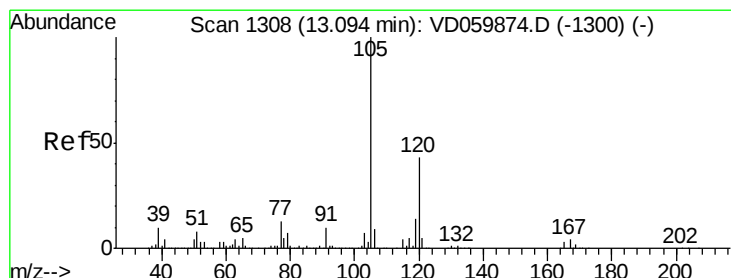
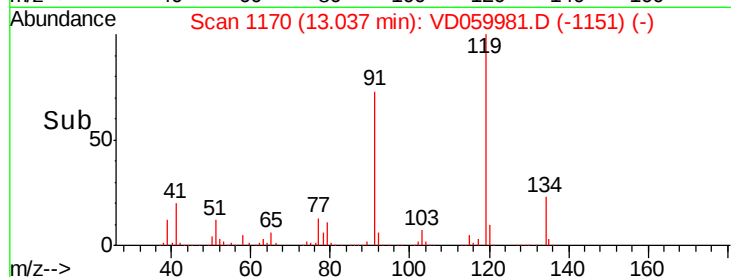
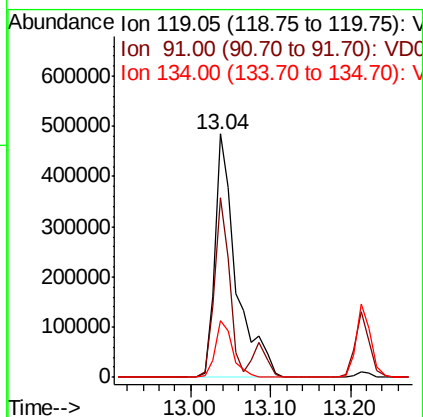
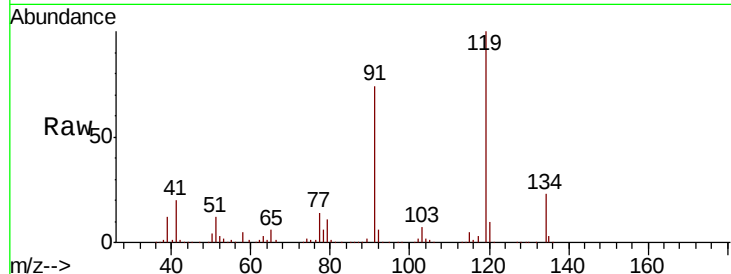




#83
 tert-Butylbenzene
 Concen: 20.50 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

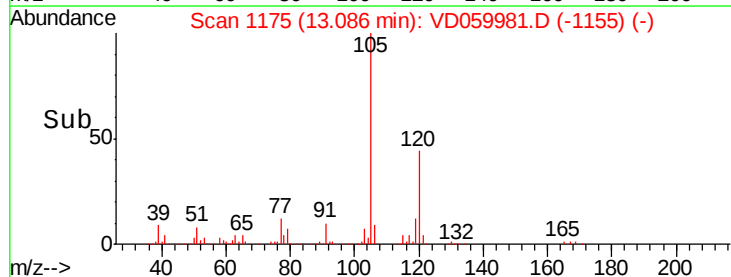
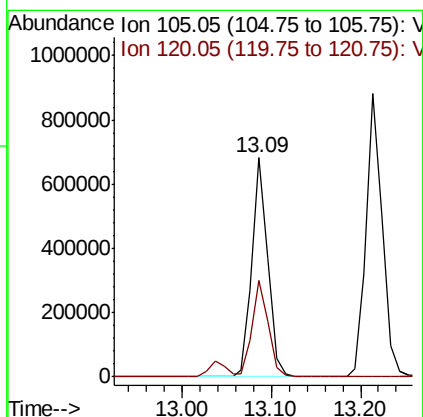
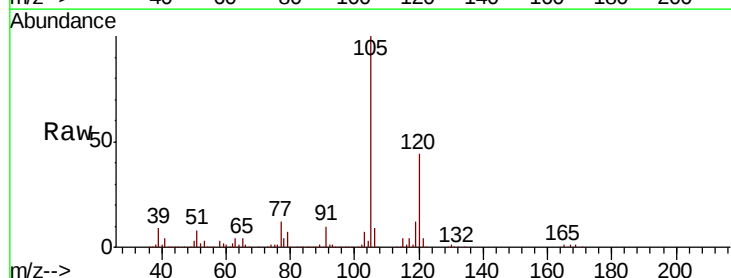
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

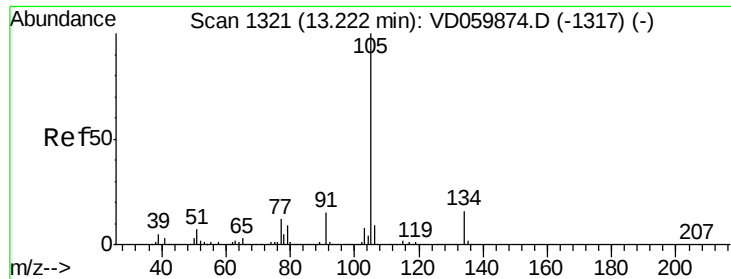
Tot Ion:119 Resp: 914429
 Ion Ratio Lower Upper
 119 100
 91 74.0 34.3 102.9
 134 23.4 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.59 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion:105 Resp: 840275
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.8 65.3





#85

sec-Butylbenzene

Concen: 20.92 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

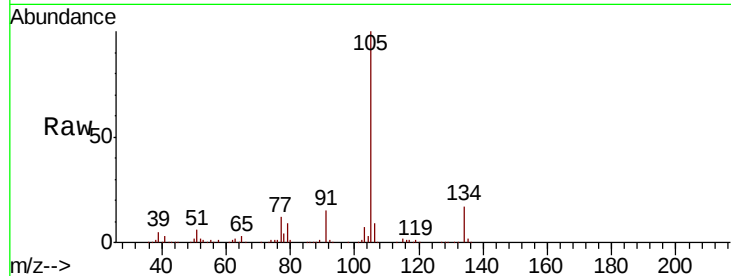
VD0906SBS01

Tot Ion:105 Resp: 1097210

Ion Ratio Lower Upper

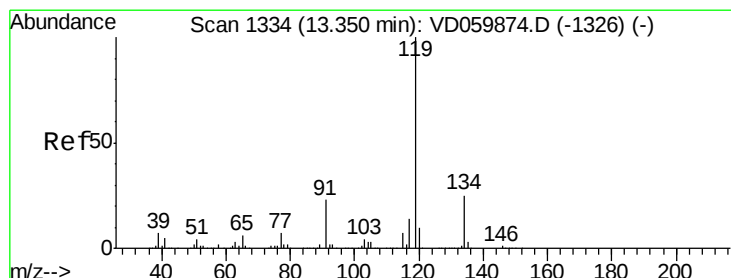
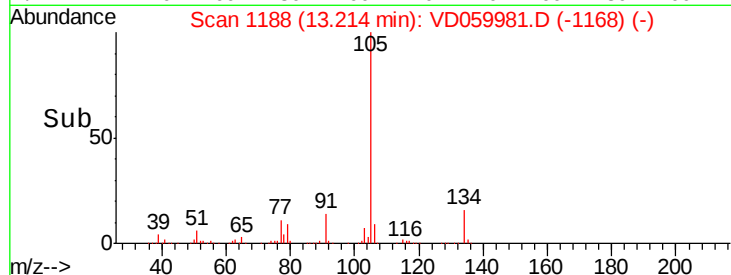
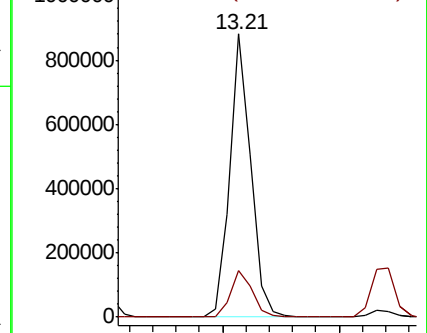
105 100

134 16.6 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.01 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

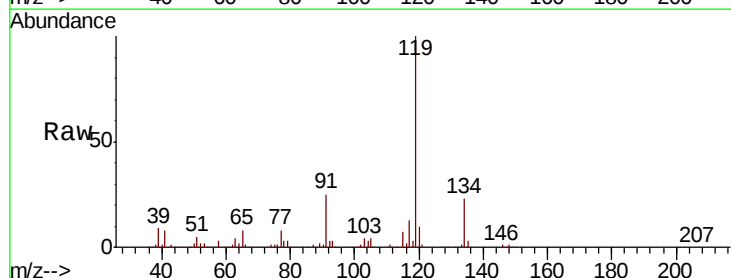
Tgt Ion:119 Resp: 896264

Ion Ratio Lower Upper

119 100

134 23.5 12.7 38.1

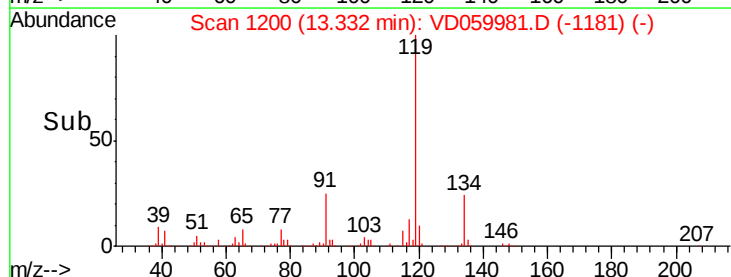
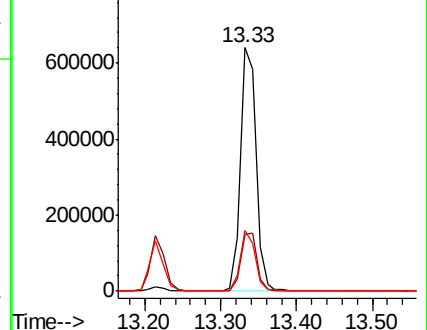
91 25.0 11.7 35.0

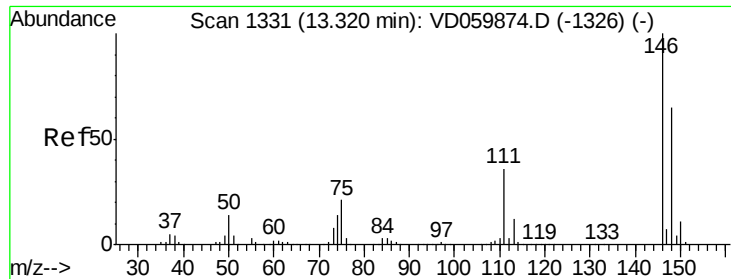


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

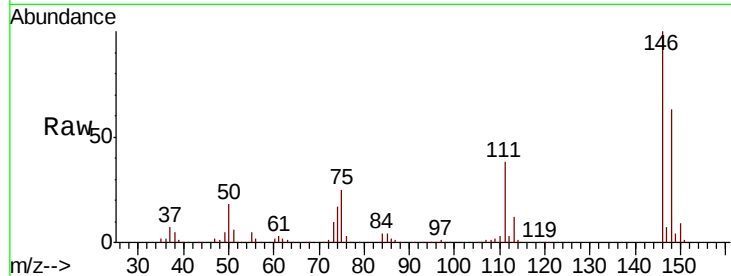




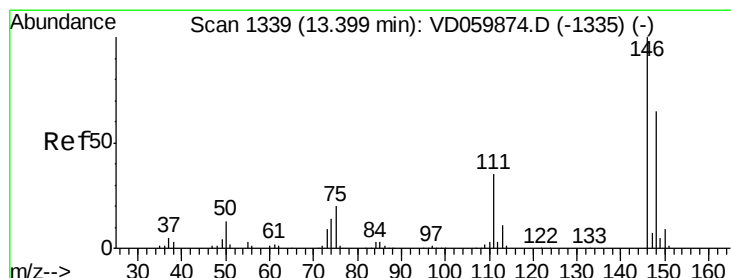
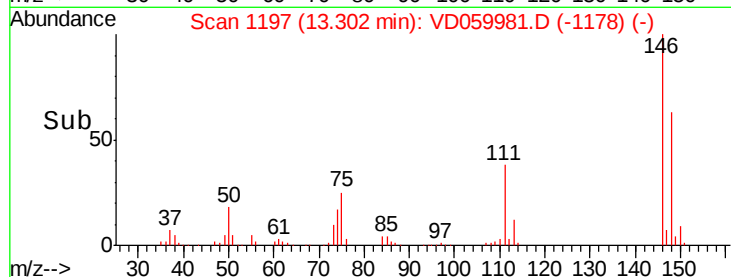
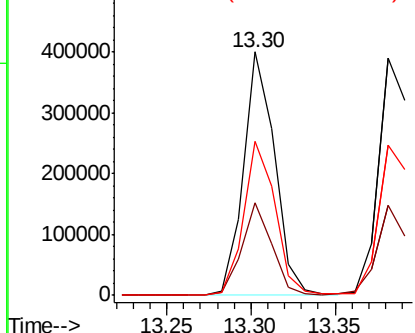
#87
 1,3-Dichlorobenzene
 Concen: 21.13 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.9	53.7
148	63.3	32.4	97.0

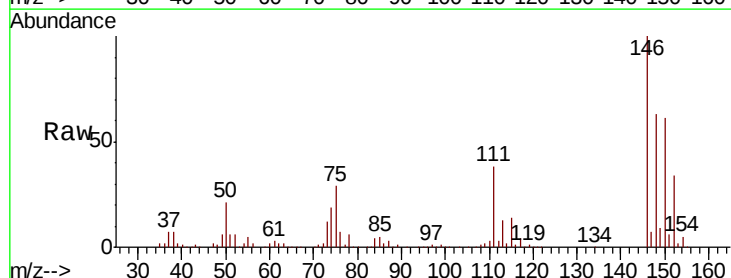


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

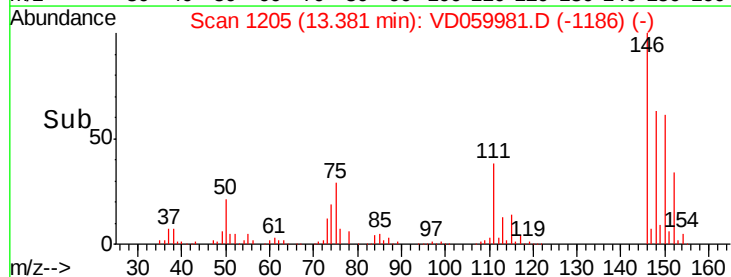
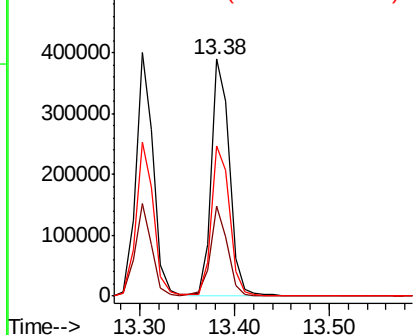


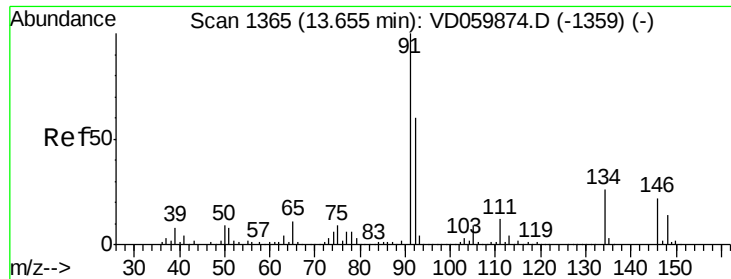
#88
 1,4-Dichlorobenzene
 Concen: 21.45 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.5	52.6
148	63.5	32.5	97.5



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

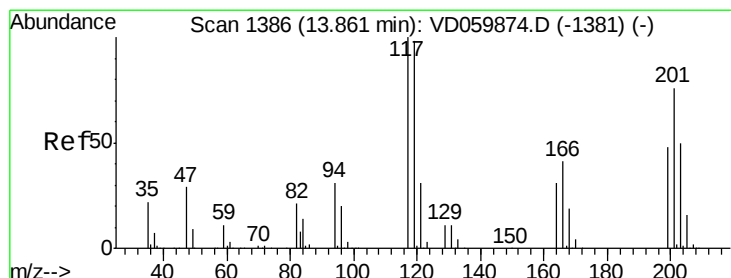
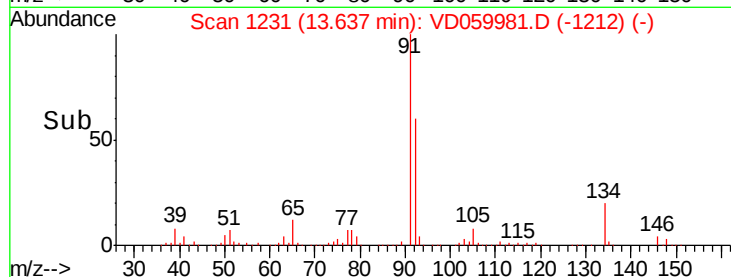
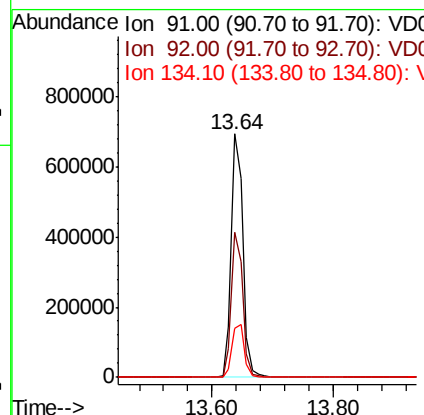
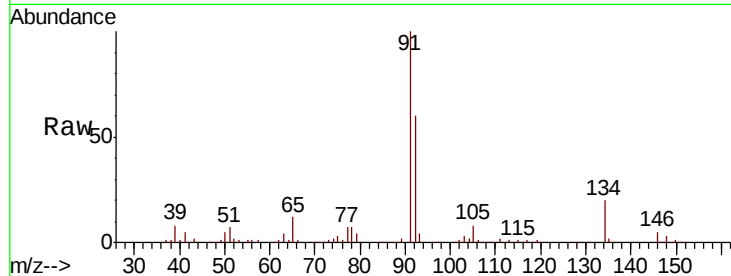




#89
n-Butylbenzene
Concen: 20.07 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

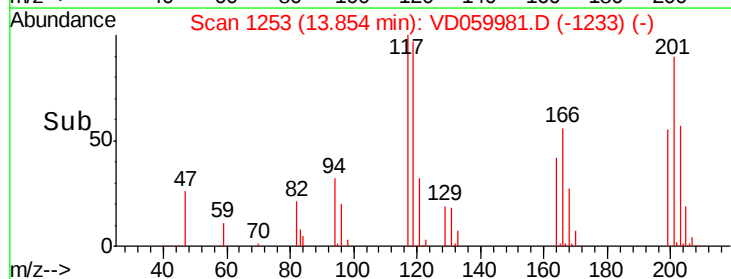
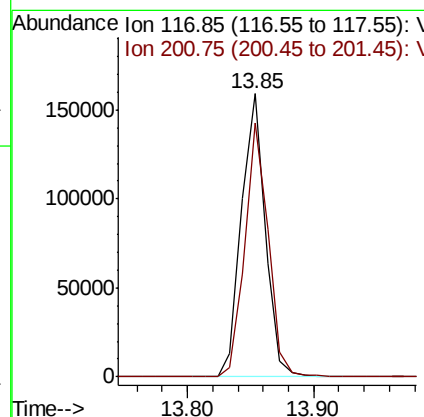
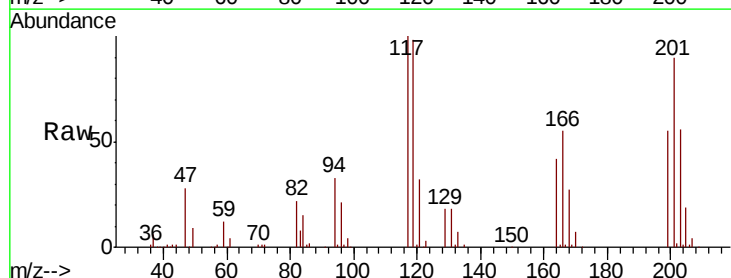
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBS01

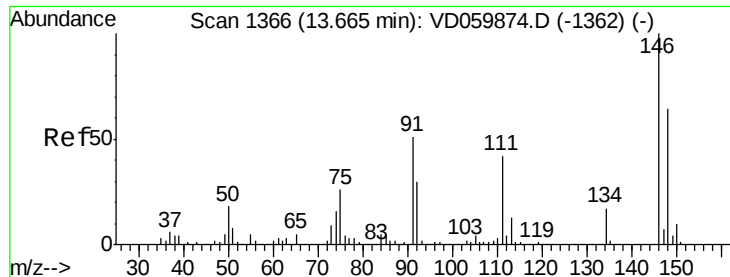
Tot Ion: 91 Resp: 926892
Ion Ratio Lower Upper
91 100
92 59.6 30.0 90.1
134 20.3 12.8 38.4



#90
Hexachloroethane
Concen: 18.01 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD059981.D
Acq: 6 Sep 2018 13:05

Tgt Ion: 117 Resp: 206301
Ion Ratio Lower Upper
117 100
201 89.6 38.1 114.5

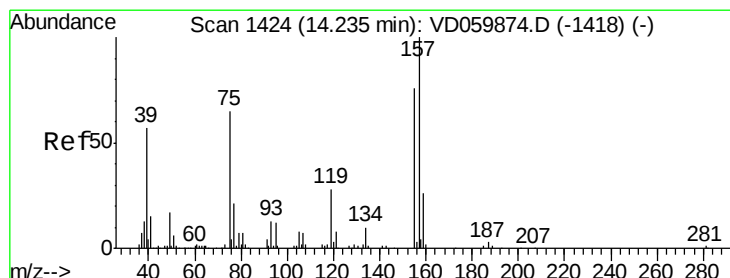
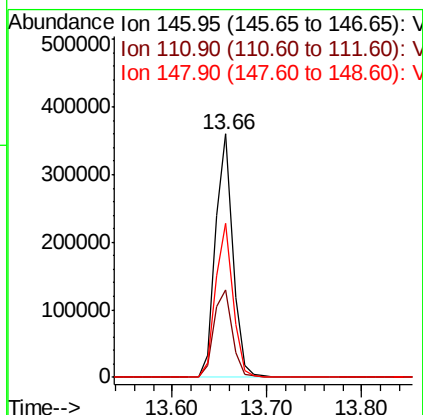
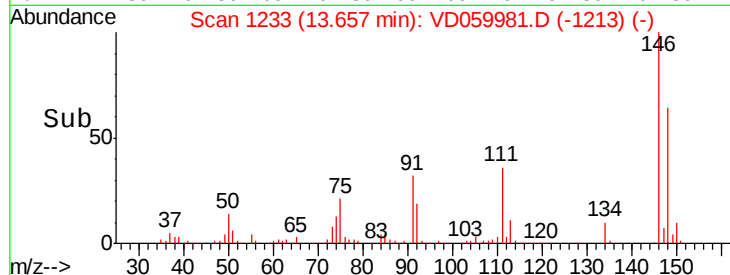
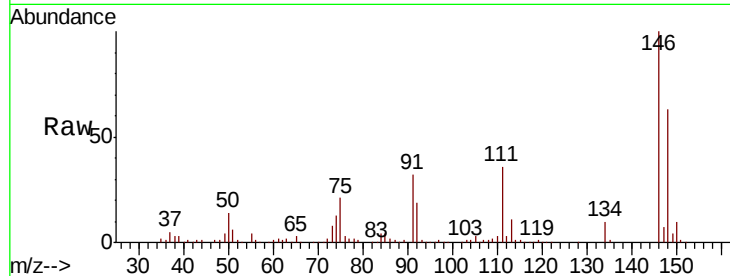




#91
 1,2-Dichlorobenzene
 Concen: 22.25 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

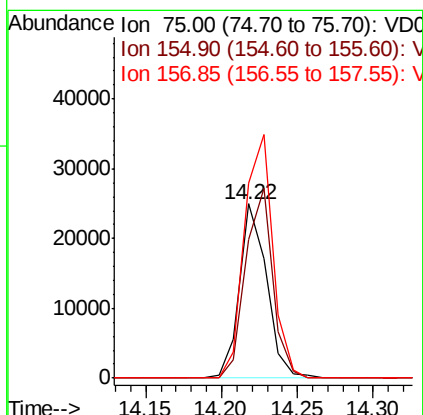
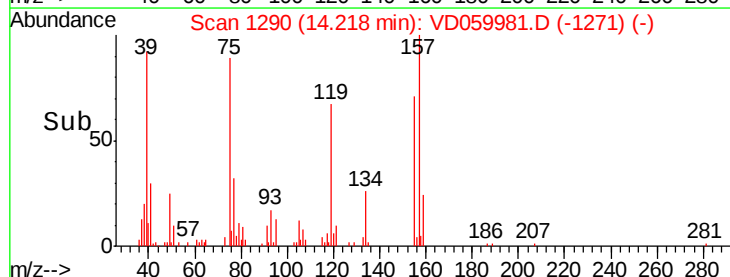
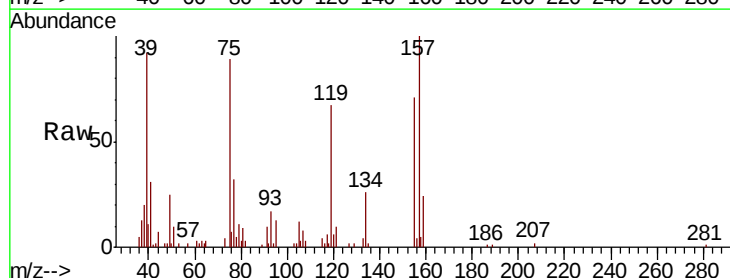
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

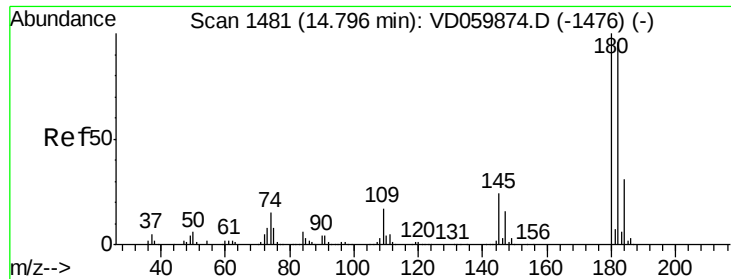
Tot Ion:146 Resp: 461341
 Ion Ratio Lower Upper
 146 100
 111 36.0 21.1 63.1
 148 63.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.65 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion: 75 Resp: 30924
 Ion Ratio Lower Upper
 75 100
 155 79.9 58.2 174.6
 157 111.9 76.8 230.4

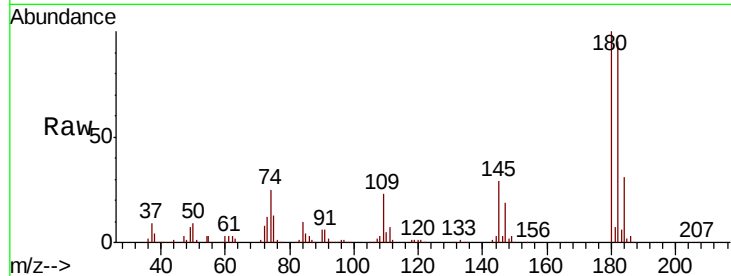




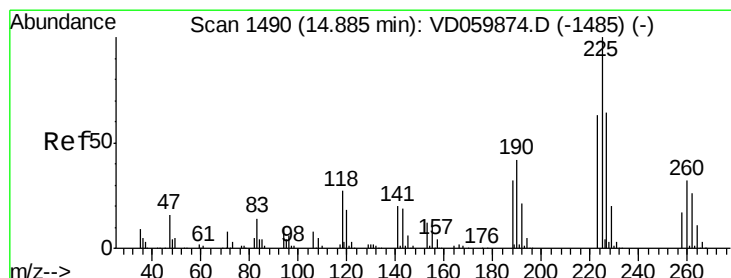
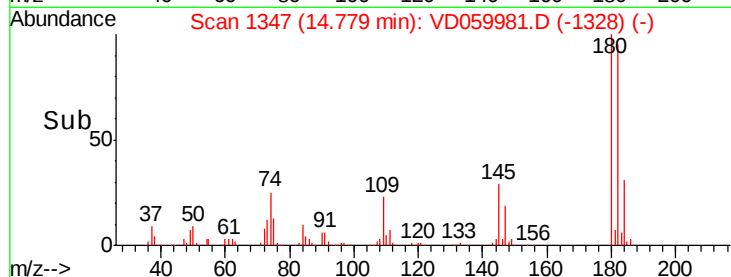
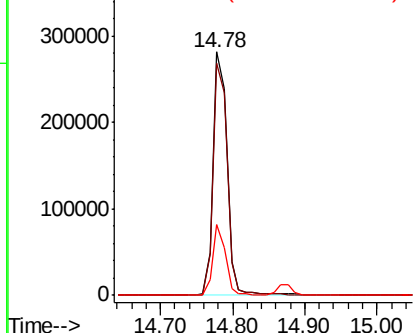
#93
 1,2,4-Trichlorobenzene
 Concen: 21.27 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Tot Ion:180 Resp: 377493
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.9 143.7
 145 29.1 12.2 36.4

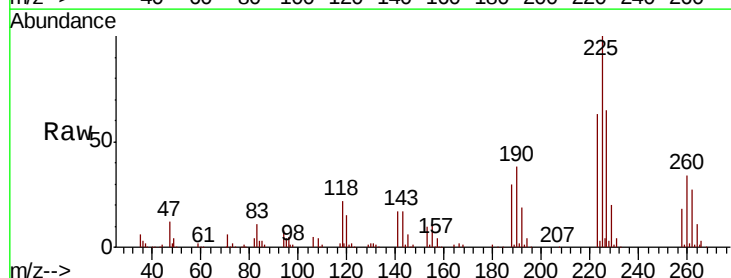


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

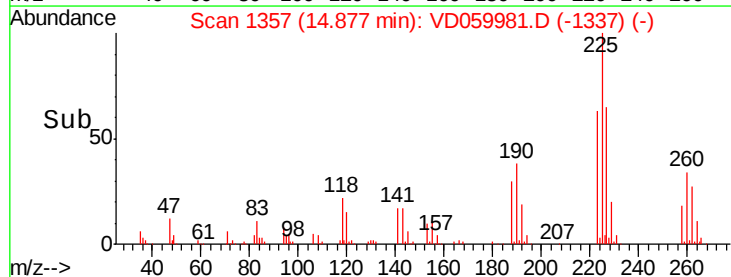
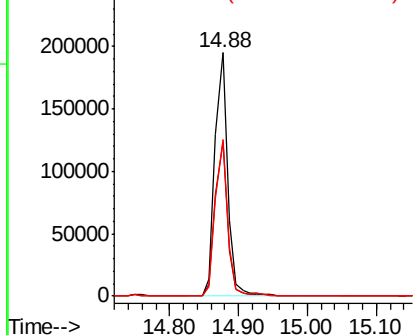


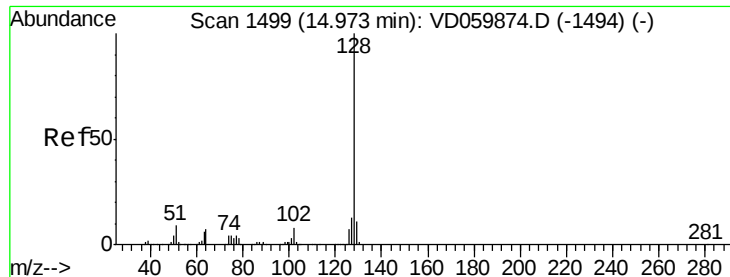
#94
 Hexachlorobutadiene
 Concen: 21.61 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD059981.D
 Acq: 6 Sep 2018 13:05

Tgt Ion:225 Resp: 251453
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.6 94.8
 227 64.6 32.0 96.0



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





#95

Naphthalene

Concen: 20.78 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBS01

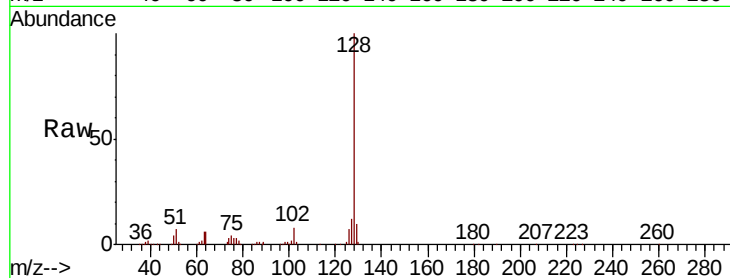
Tot Ion:128 Resp: 563582

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

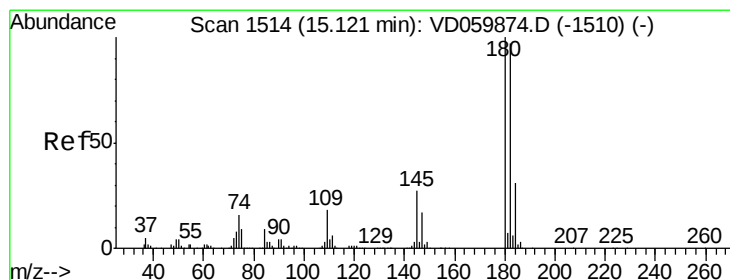
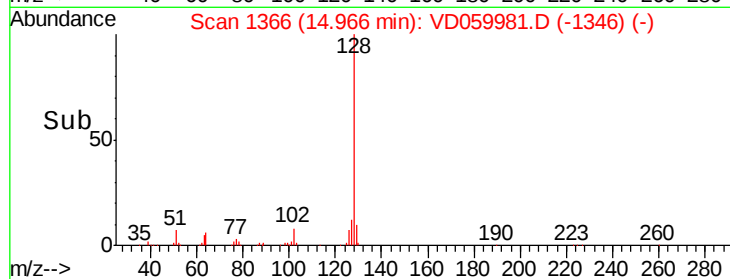
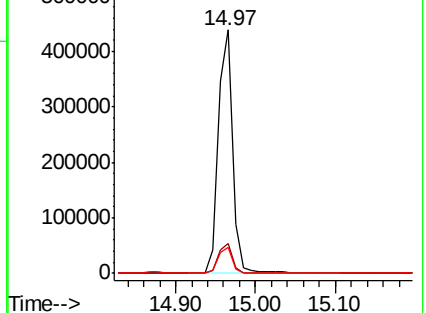
129 10.4 8.6 13.0



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: 21.52 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD059981.D

Acq: 6 Sep 2018 13:05

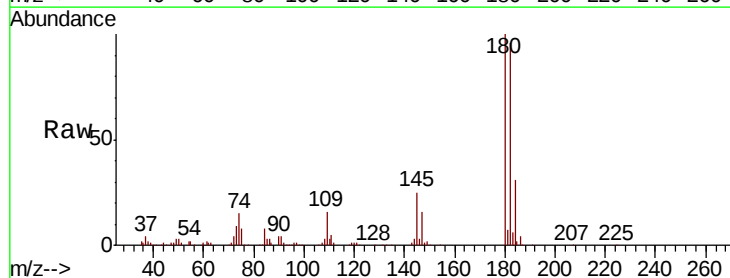
Tgt Ion:180 Resp: 326710

Ion Ratio Lower Upper

180 100

182 96.1 48.6 145.8

145 24.9 13.6 40.8



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

