

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058354.D
 Acq On : 23 Jun 2018 21:28
 Operator : VA/AP
 Sample : J3671-05MSD
 Misc : 6.15g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

Quant Time: Jun 25 01:12:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	920471	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	1235884	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	953643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	493019	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	539989	58.08	ug/l	0.03
Spiked Amount	50.000		Recovery	=	116.16%	
35) Dibromofluoromethane	5.57	113	548586	54.54	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.08%	
50) Toluene-d8	8.72	98	1291783	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.94	95	553768	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	444312	51.78	ug/l	99
3) Chloromethane	1.50	50	249090	63.16	ug/l	95
4) Vinyl Chloride	1.57	62	599574	124.34	ug/l	96
5) Bromomethane	1.82	94	98908	64.55	ug/l	95
6) Chloroethane	1.90	64	127472	79.56	ug/l	88
7) Trichlorofluoromethane	2.10	101	387913	58.67	ug/l	98
8) Diethyl Ether	2.36	74	82481	58.98	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.58	101	238216	56.68	ug/l	95
10) Methyl Iodide	2.71	142	263776	55.17	ug/l	95
11) Tert butyl alcohol	3.28	59	79427	259.02	ug/l #	90
12) 1,1-Dichloroethene	2.57	96	181707	57.46	ug/l	97
13) Acrolein	2.49	56	18455	105.43	ug/l	94
14) Allyl chloride	2.94	41	421830	57.31	ug/l #	95
15) Acrylonitrile	3.38	53	355690	437.46	ug/l	91
16) Acetone	2.63	43	431650	339.48	ug/l #	90
17) Carbon Disulfide	2.77	76	547121	50.85	ug/l	97
18) Methyl Acetate	2.96	43	182115	67.16	ug/l	98
19) Methyl tert-butyl Ether	3.42	73	878634	104.75	ug/l	99
20) Methylene Chloride	3.09	84	211729	65.24	ug/l	98
21) trans-1,2-Dichloroethene	3.41	96	414951	120.06	ug/l	88
22) Diisopropyl ether	4.09	45	1567089	53.61	ug/l	99
23) Vinyl Acetate	4.04	43	3130511	199.77	ug/l	99
24) 1,1-Dichloroethane	4.00	63	960334	60.98	ug/l	98
25) 2-Butanone	4.86	43	611387	220.62	ug/l	95
26) 2,2-Dichloropropane	4.82	77	585063	44.37	ug/l #	34
27) cis-1,2-Dichloroethene	4.83	96	4635294	536.70	ug/l	99
28) Bromochloromethane	5.16	49	398733	56.48	ug/l	96
29) Tetrahydrofuran	5.20	42	392773	266.27	ug/l	99
30) Chloroform	5.34	83	908635	54.65	ug/l	97
31) Cyclohexane	5.62	56	621277	54.84	ug/l	98
32) 1,1,1-Trichloroethane	5.53	97	773871	56.33	ug/l	98
36) 1,1-Dichloropropene	5.77	75	601214	49.17	ug/l	97
37) Ethyl Acetate	4.95	43	359028	51.54	ug/l #	41
38) Carbon Tetrachloride	5.75	117	641180	52.78	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	563345	47.31	ug/l	99
40) Benzene	6.03	78	1498963	51.47	ug/l	99
41) Methacrylonitrile	5.14	41	188443	56.02	ug/l	94
42) 1,2-Dichloroethane	6.15	62	633569	53.95	ug/l	100
43) Isopropyl Acetate	7.64	43	436782	47.03	ug/l	94
44) Trichloroethene	7.00	130	1435481	164.14	ug/l	98
45) 1,2-Dichloropropane	7.37	63	404876	51.62	ug/l	96
46) Dibromomethane	7.48	93	275696	51.49	ug/l	99
47) Bromodichloromethane	7.75	83	657110	53.82	ug/l	99
48) Methyl methacrylate	7.52	41	298385	52.86	ug/l	97
49) 1,4-Dioxane	7.51	88	40257	790.11	ug/l #	82
51) 4-Methyl-2-Pentanone	8.61	43	1543426	254.79	ug/l	100
52) Toluene	8.82	92	880533	53.10	ug/l	97
53) t-1,3-Dichloropropene	9.20	75	558859	52.64	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	637828	51.25	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	300298	51.18	ug/l	96
56) Ethyl methacrylate	9.33	69	361996	51.59	ug/l	97
57) 1,3-Dichloropropane	9.67	76	496941	50.28	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.21	63	955274	275.00	ug/l	93
59) 2-Hexanone	9.80	43	1170640	267.44	ug/l	98
60) Dibromochloromethane	9.97	129	436660	54.84	ug/l	97
61) 1,2-Dibromoethane	10.11	107	328761	51.20	ug/l	98
64) Tetrachloroethene	9.53	164	452523	56.40	ug/l	95
65) Chlorobenzene	10.74	112	1064950	59.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	372359	54.09	ug/l	97
67) Ethyl Benzene	10.86	91	1656977	52.61	ug/l	99
68) m/p-Xylenes	11.02	106	1138575	108.41	ug/l	99
69) o-Xylene	11.42	106	538290	53.66	ug/l	97
70) Styrene	11.44	104	906403	52.96	ug/l	97
71) Bromoform	11.60	173	318332	57.97	ug/l #	97
73) Isopropylbenzene	11.78	105	1564184	53.04	ug/l	98
74) N-amyl acetate	11.65	43	474573	41.62	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.09	83	364823	53.16	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	370668	51.49	ug/l	100
77) Bromobenzene	12.05	156	484565	54.87	ug/l	88
78) n-propylbenzene	12.16	91	1979756	51.99	ug/l	97
79) 2-Chlorotoluene	12.22	91	1191375	54.67	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	1217663	52.94	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	90982	51.82	ug/l	90
82) 4-Chlorotoluene	12.33	91	1251317	60.01	ug/l	97
83) tert-Butylbenzene	12.58	119	1390588	52.59	ug/l	92
84) 1,2,4-Trimethylbenzene	12.63	105	1327678	53.10	ug/l	97
85) sec-Butylbenzene	12.76	105	1627065	52.49	ug/l	98
86) p-Isopropyltoluene	12.89	119	1308558	52.09	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	785179	51.16	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	784282	52.33	ug/l	96
89) n-Butylbenzene	13.20	91	1305510	49.45	ug/l	97
90) Hexachloroethane	13.40	117	348280	53.42	ug/l	77
91) 1,2-Dichlorobenzene	13.20	146	671096	51.38	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.78	75	61377	56.20	ug/l	72

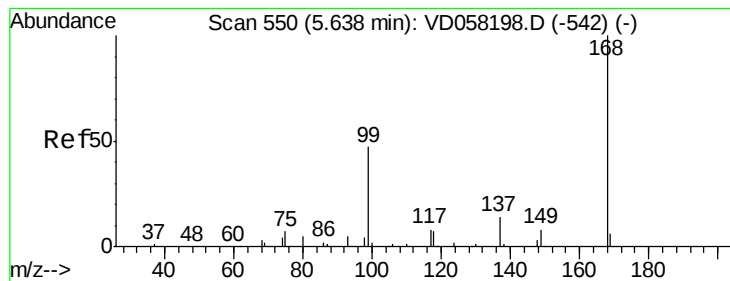
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	624910	50.02	ug/l	98
94) Hexachlorobutadiene	14.44	225	459555	47.03	ug/l	97
95) Naphthalene	14.52	128	843647	51.27	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	520132	47.56	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 553

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

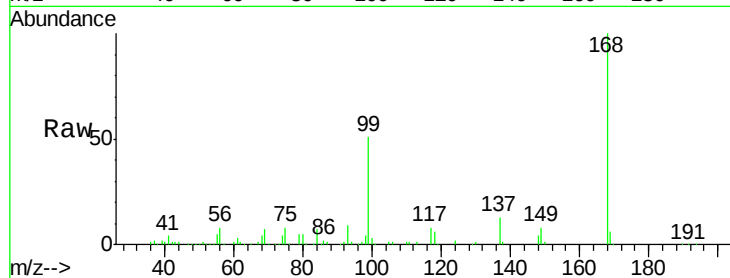
WP021SB478-15-17-180621MSD

Tot Ion:168 Resp: 920471

Ion Ratio Lower Upper

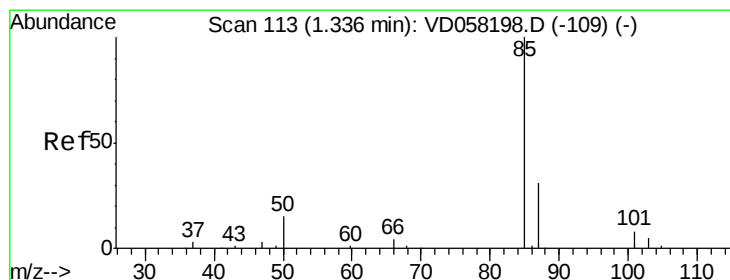
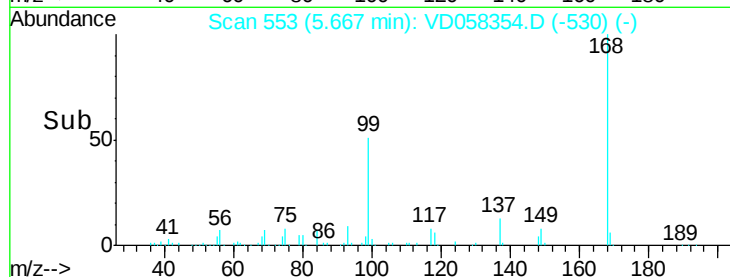
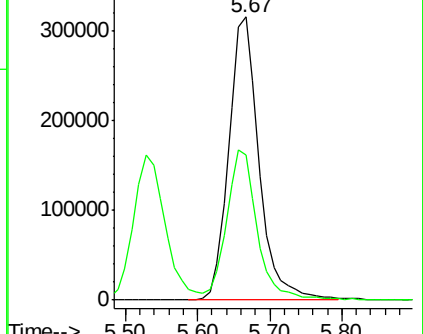
168 100

99 51.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.78 ug/l

RT: 1.35 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058354.D

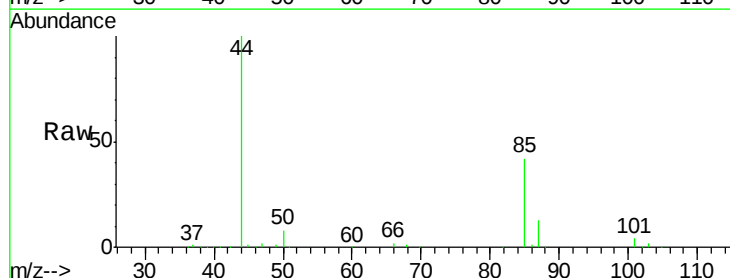
Acq: 23 Jun 2018 21:28

Tgt Ion: 85 Resp: 444312

Ion Ratio Lower Upper

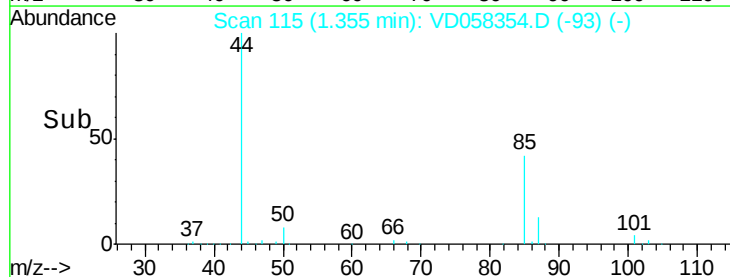
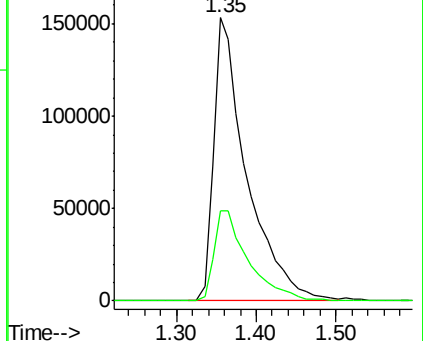
85 100

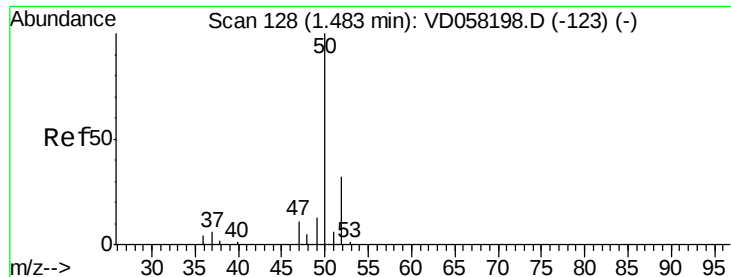
87 31.9 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 63.16 ug/l

RT: 1.50 min Scan# 130

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

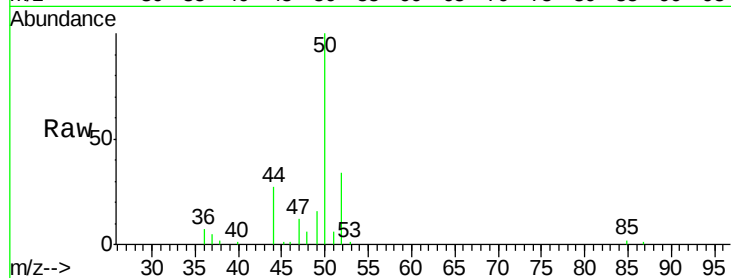
WP021SB478-15-17-180621MSD

Tot Ion: 50 Resp: 249090

Ion Ratio Lower Upper

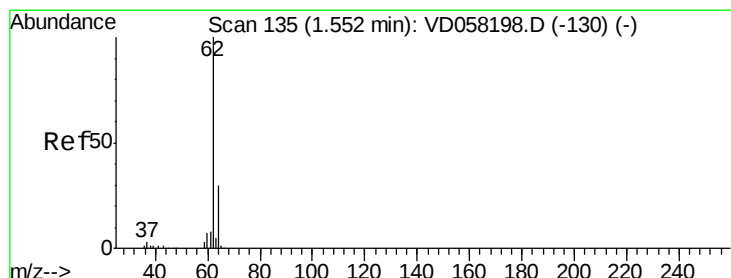
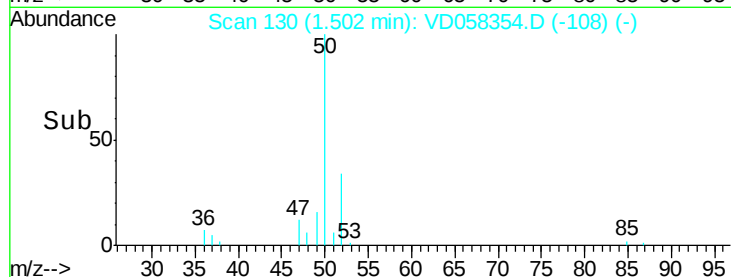
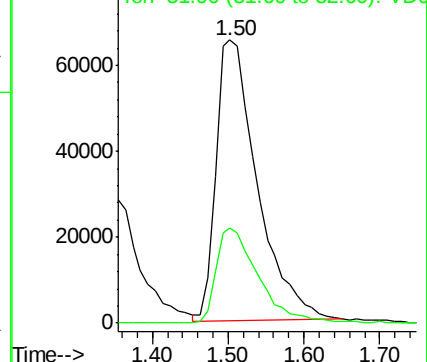
50 100

52 33.7 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 124.34 ug/l

RT: 1.57 min Scan# 137

Delta R.T. 0.02 min

Lab File: VD058354.D

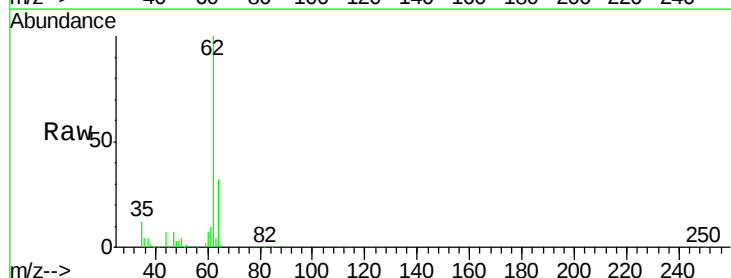
Acq: 23 Jun 2018 21:28

Tgt Ion: 62 Resp: 599574

Ion Ratio Lower Upper

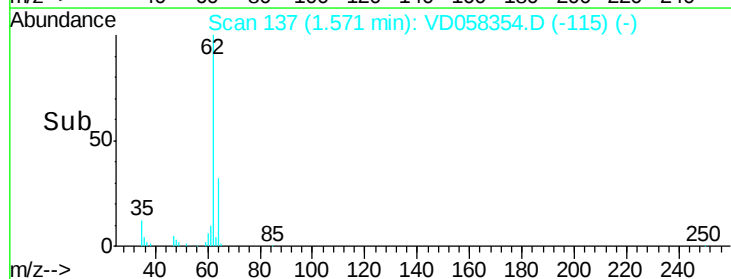
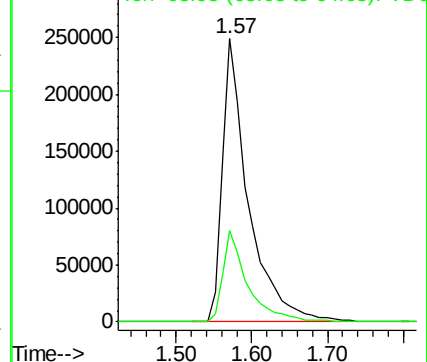
62 100

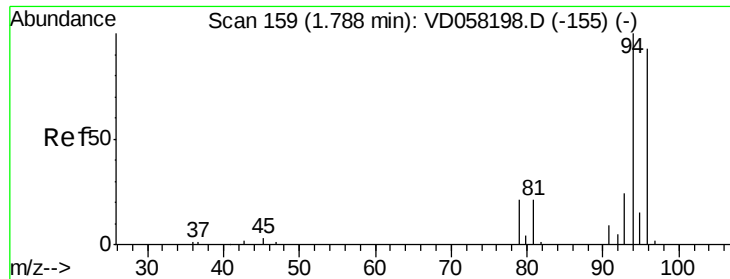
64 32.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

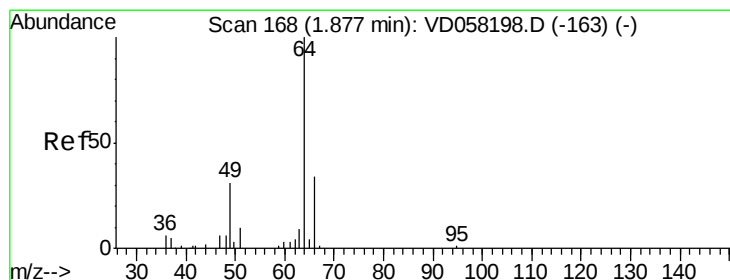
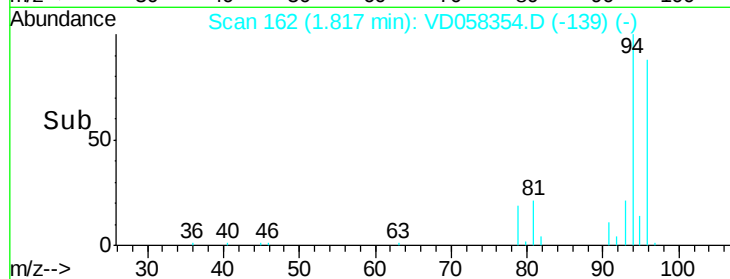
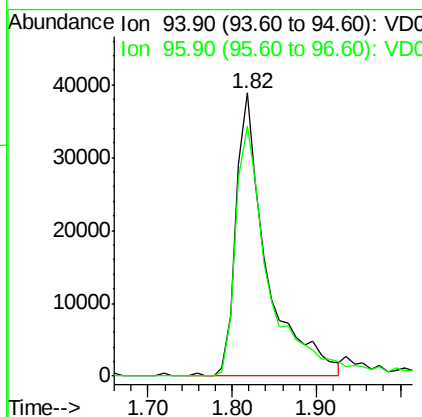
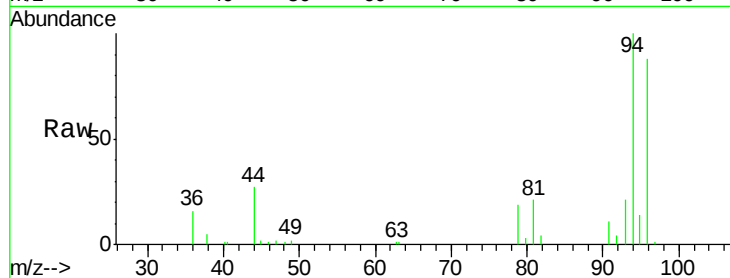




#5
Bromomethane
Concen: 64.55 ug/l
RT: 1.82 min Scan# 162
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

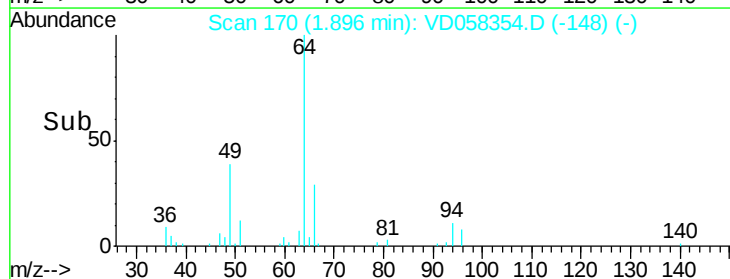
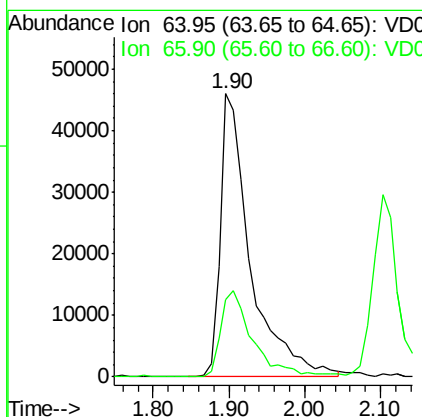
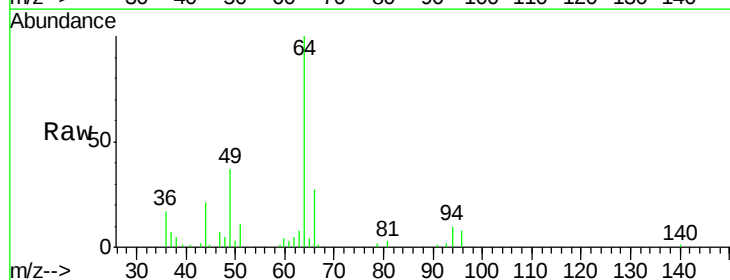
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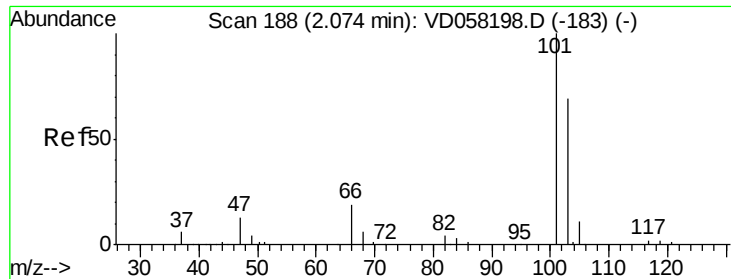
Tot Ion: 94 Resp: 98908
Ion Ratio Lower Upper
94 100
96 88.2 74.2 111.2



#6
Chloroethane
Concen: 79.56 ug/l
RT: 1.90 min Scan# 170
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 64 Resp: 127472
Ion Ratio Lower Upper
64 100
66 27.5 27.3 40.9



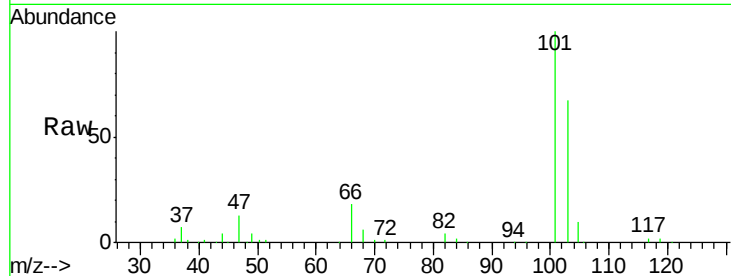


#7

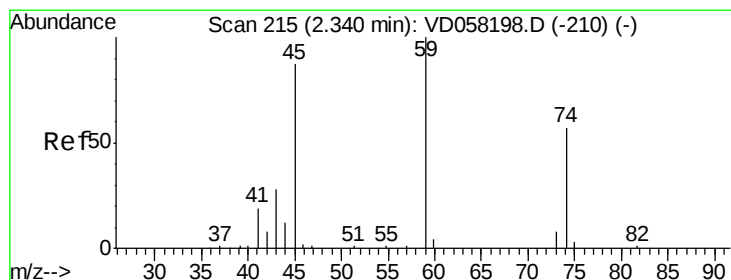
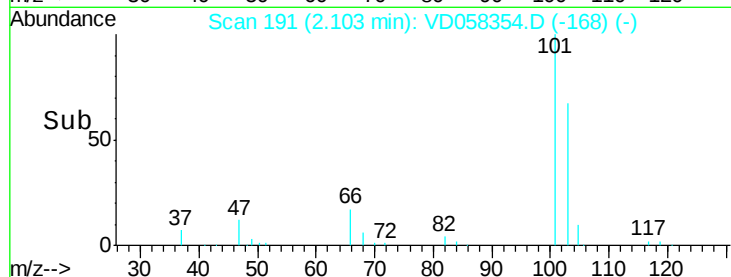
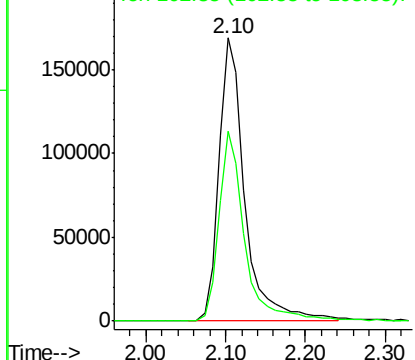
Trichlorofluoromethane
Concen: 58.67 ug/l
RT: 2.10 min Scan# 191
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

Tot Ion:101 Resp: 387913
Ion Ratio Lower Upper
101 100
103 67.0 55.1 82.7



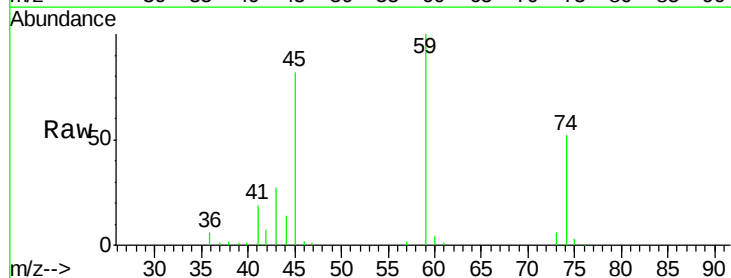
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



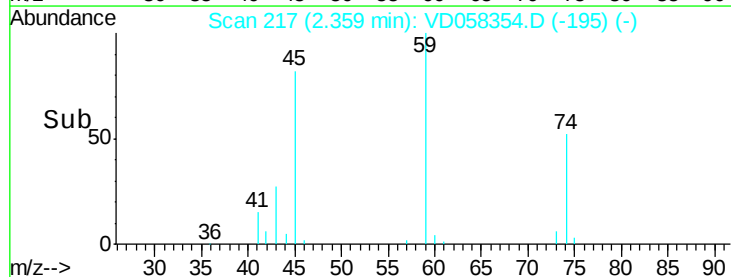
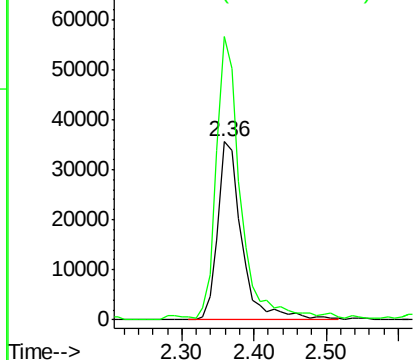
#8

Diethyl Ether
Concen: 58.98 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 74 Resp: 82481
Ion Ratio Lower Upper
74 100
45 158.9 77.5 232.6



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

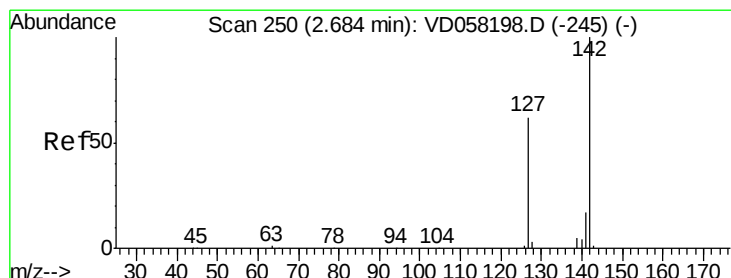
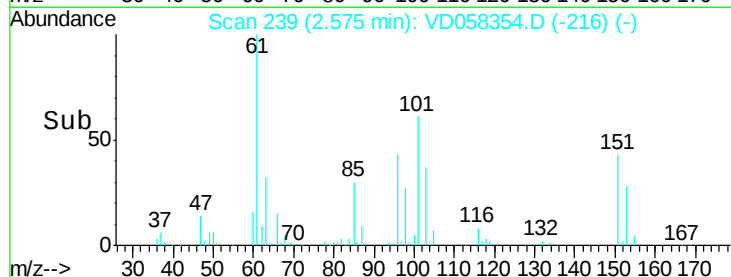
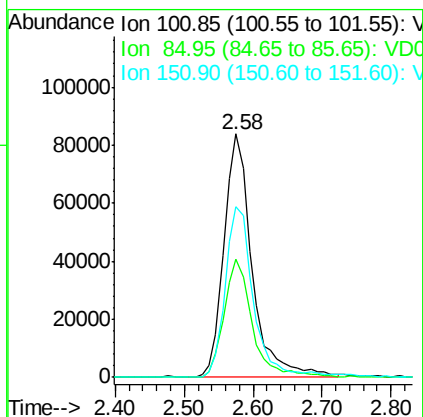
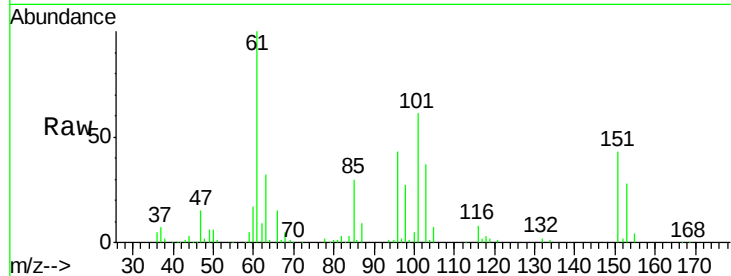




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 56.68 ug/l
 RT: 2.58 min Scan# 239
 Delta R.T. 0.03 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

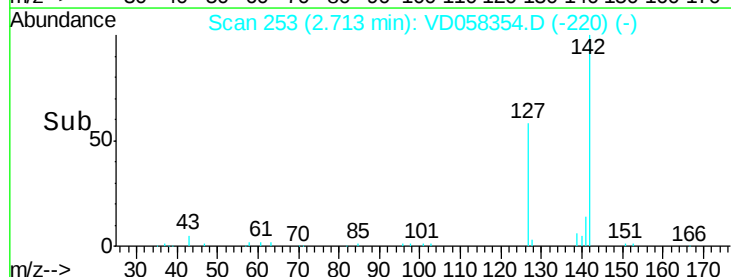
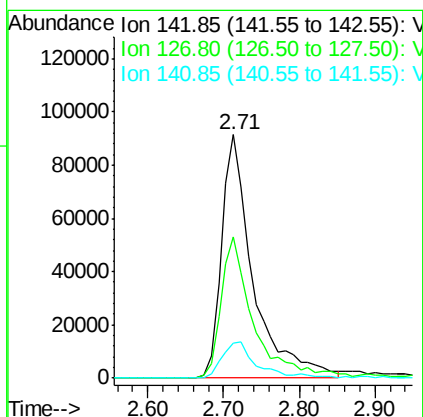
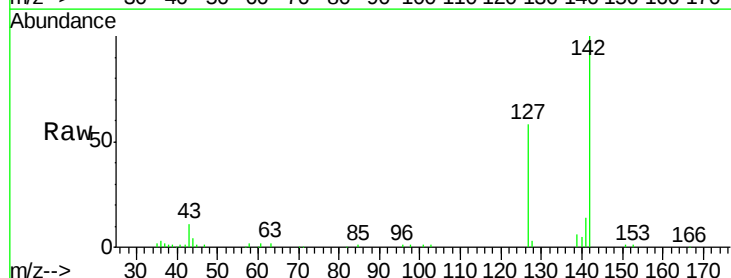
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

Tot Ion:101 Resp: 238216
 Ion Ratio Lower Upper
 101 100
 85 48.4 39.0 58.4
 151 70.2 61.8 92.8



#10
 Methyl Iodide
 Concen: 55.17 ug/l
 RT: 2.71 min Scan# 253
 Delta R.T. 0.03 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion:142 Resp: 263776
 Ion Ratio Lower Upper
 142 100
 127 58.0 49.4 74.0
 141 14.2 13.5 20.3



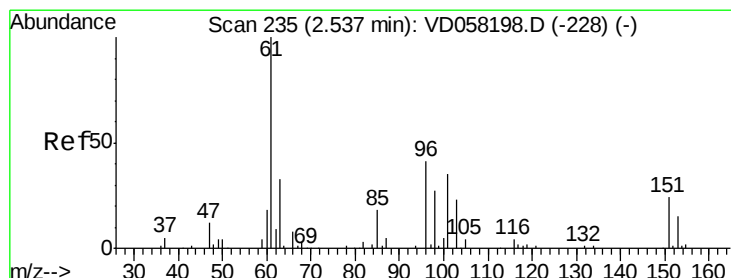
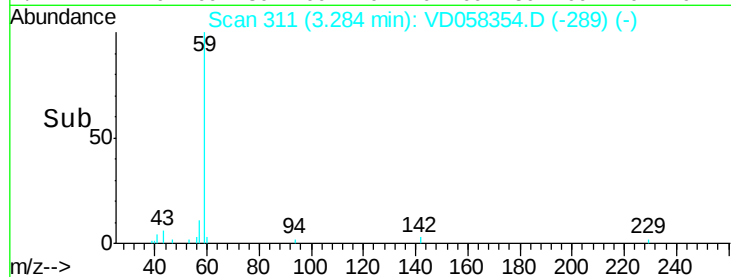
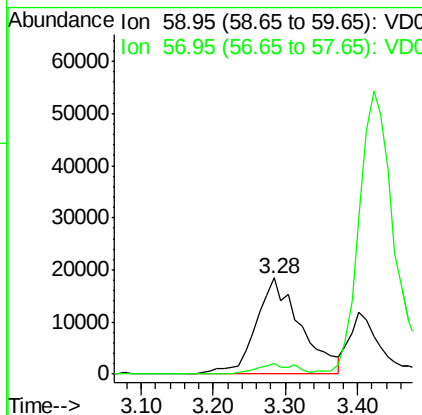
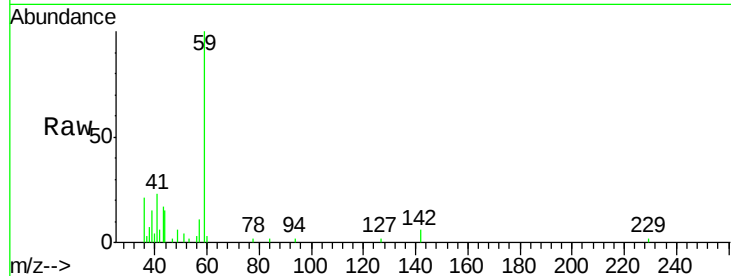


#11

Tert butyl alcohol
 Concen: 259.02 ug/l
 RT: 3.28 min Scan# 311
 Delta R.T. 0.02 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

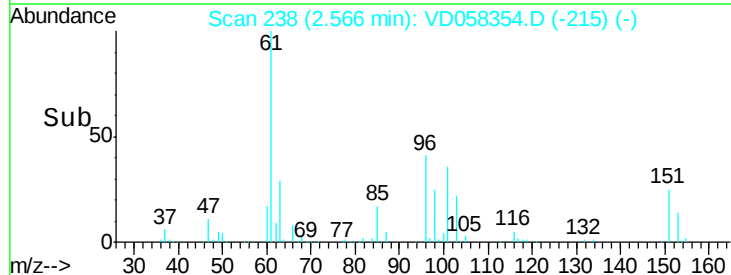
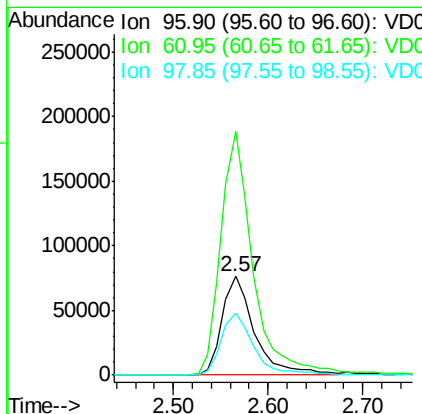
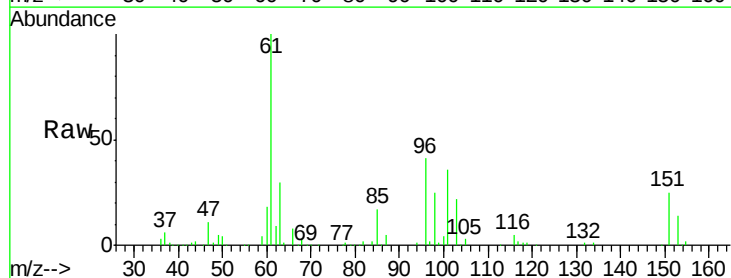
Tot Ion: 59 Resp: 79427
 Ion Ratio Lower Upper
 59 100
 57 11.2 6.2 9.4#

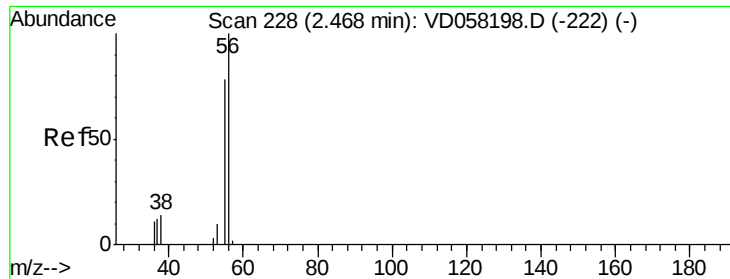


#12

1,1-Dichloroethene
 Concen: 57.46 ug/l
 RT: 2.57 min Scan# 238
 Delta R.T. 0.03 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion: 96 Resp: 181707
 Ion Ratio Lower Upper
 96 100
 61 246.9 193.9 290.9
 98 62.6 51.7 77.5





#13

Acrolein

Concen: 105.43 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

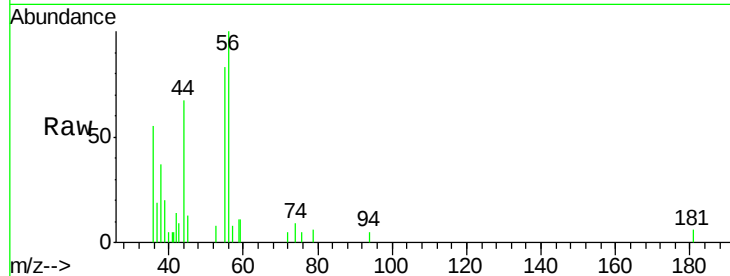
WP021SB478-15-17-180621MSD

Tot Ion: 56 Resp: 18455

Ion Ratio Lower Upper

56 100

55 82.9 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.49

6000

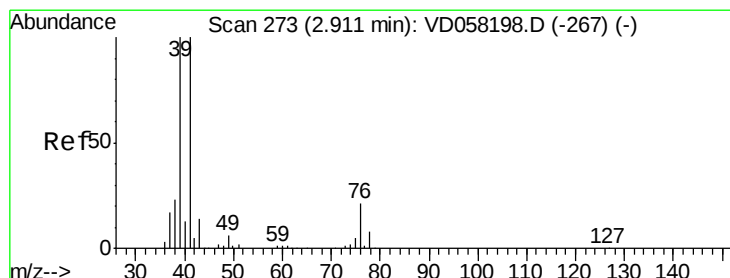
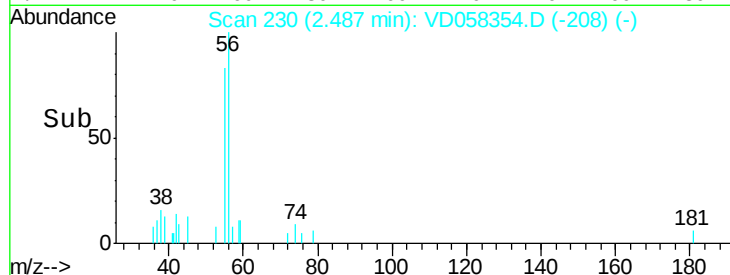
4000

2000

0

Time-->

2.40 2.50 2.60



#14

Allyl chloride

Concen: 57.31 ug/l

RT: 2.94 min Scan# 276

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

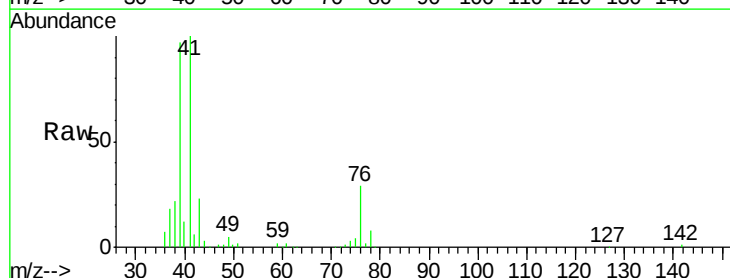
Tgt Ion: 41 Resp: 421830

Ion Ratio Lower Upper

41 100

39 96.9 80.1 120.1

76 29.4 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

2.94

200000

150000

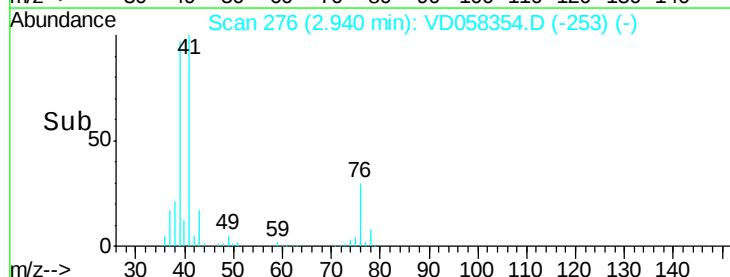
100000

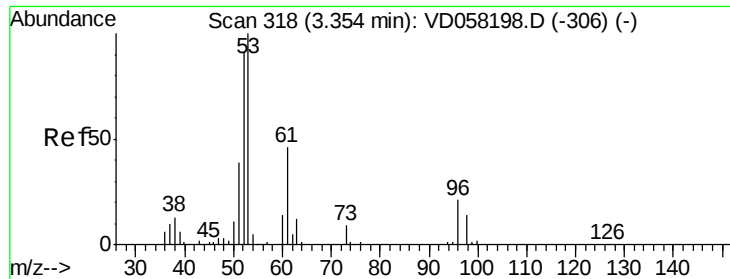
50000

0

Time-->

2.80 2.90 3.00 3.10





#15

Acrylonitrile

Concen: 437.46 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

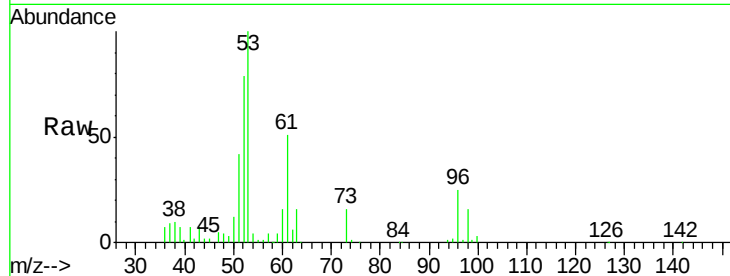
Tot Ion: 53 Resp: 355690

Ion Ratio Lower Upper

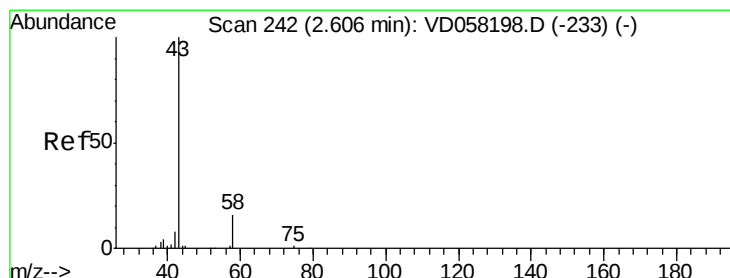
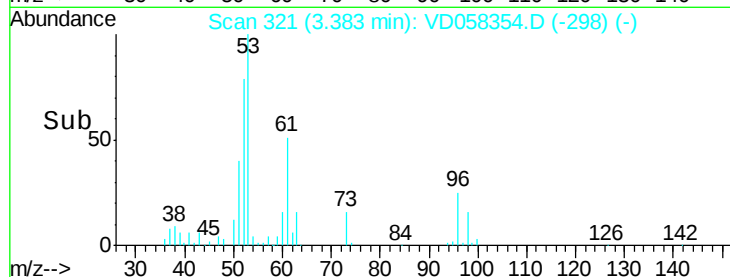
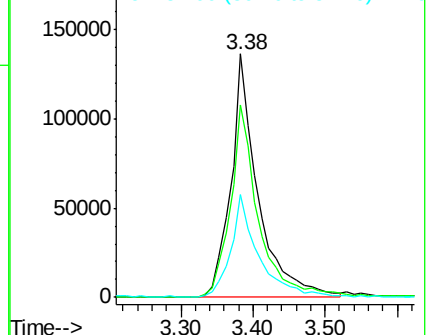
53 100

52 79.1 72.6 108.8

51 42.1 32.2 48.4



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



#16

Acetone

Concen: 339.48 ug/l

RT: 2.63 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD058354.D

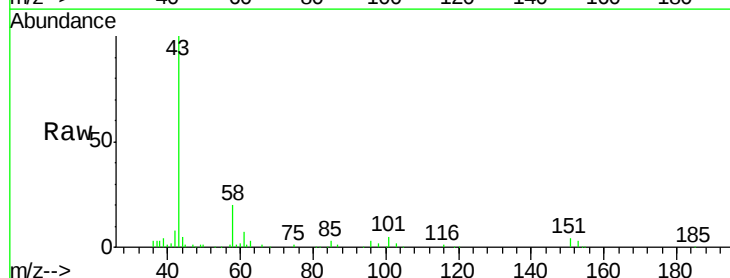
Acq: 23 Jun 2018 21:28

Tgt Ion: 43 Resp: 431650

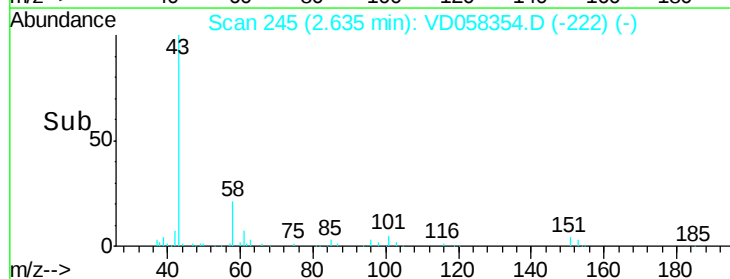
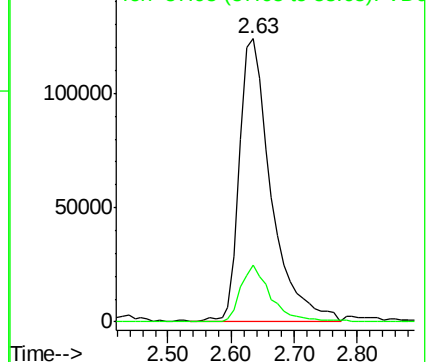
Ion Ratio Lower Upper

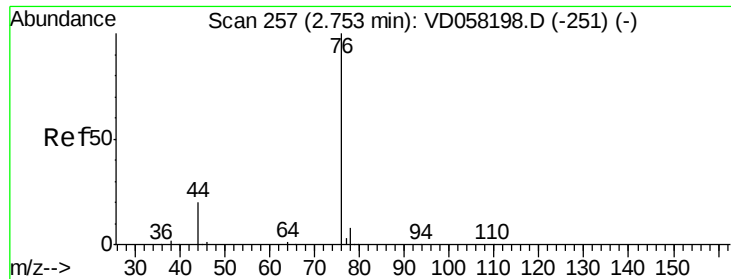
43 100

58 20.2 12.7 19.1#



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

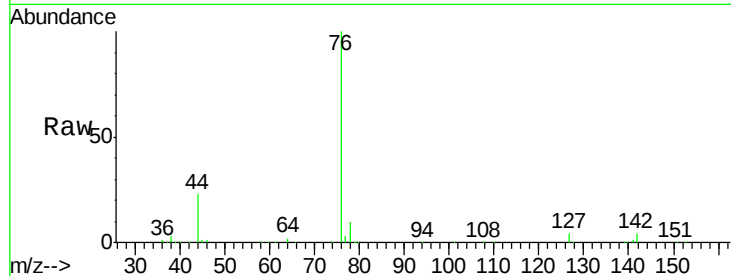




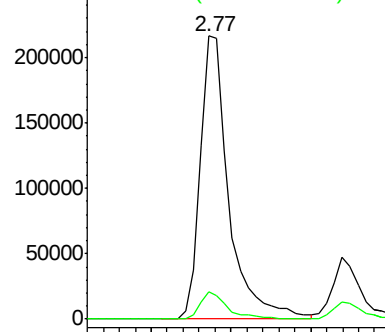
#17
Carbon Disulfide
Concen: 50.85 ug/l
RT: 2.77 min Scan# 259
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

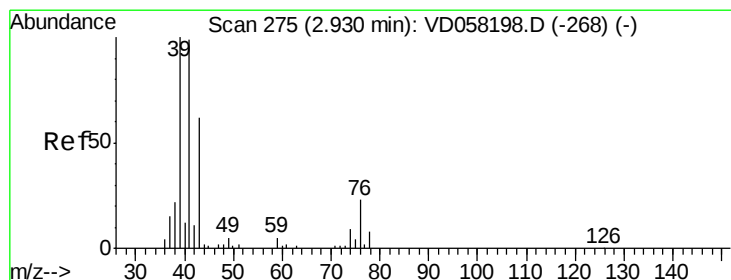
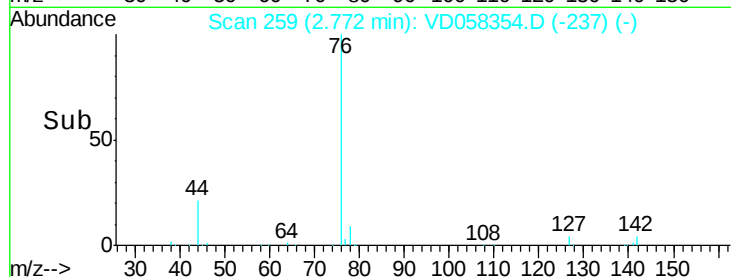
Tot Ion: 76 Resp: 547121
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



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

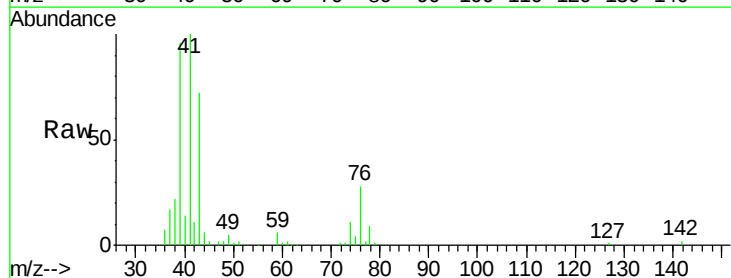


Time-->

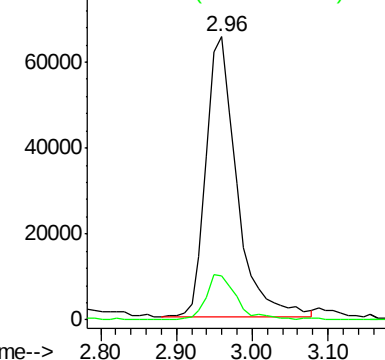


#18
Methyl Acetate
Concen: 67.16 ug/l
RT: 2.96 min Scan# 278
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

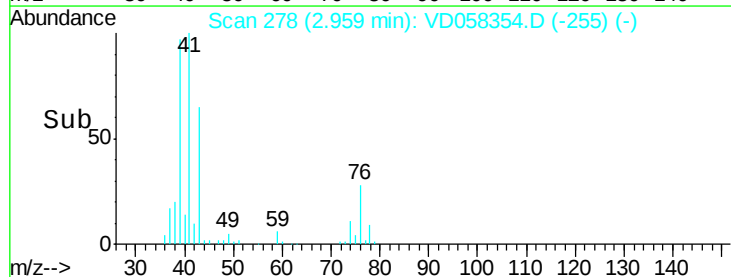
Tgt Ion: 43 Resp: 182115
Ion Ratio Lower Upper
43 100
74 15.6 11.7 17.5

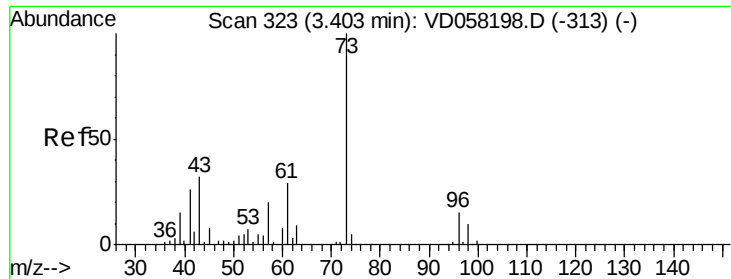


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time-->

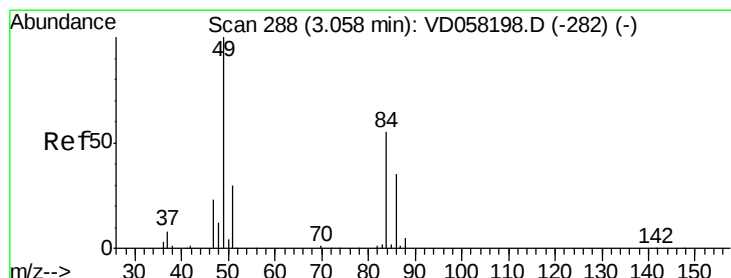
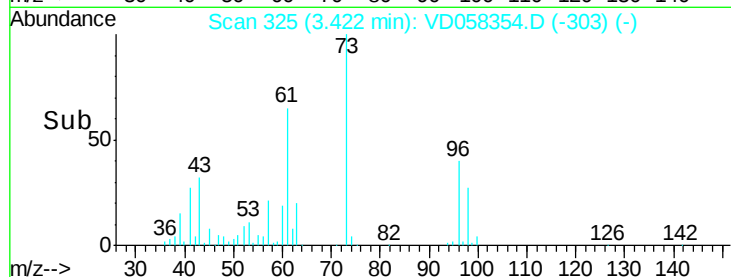
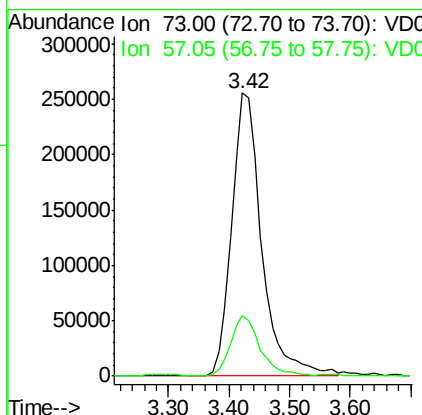
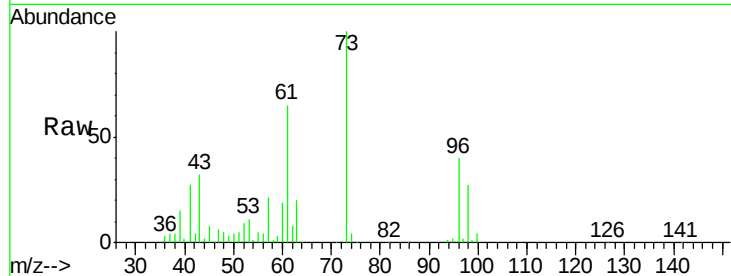




#19
Methyl tert-butyl Ether
Concen: 104.75 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

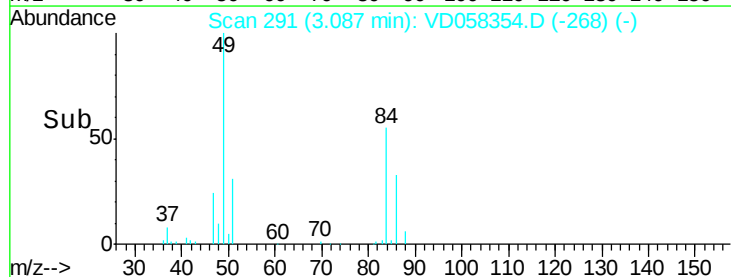
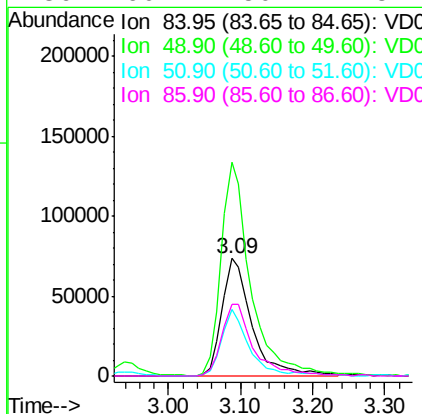
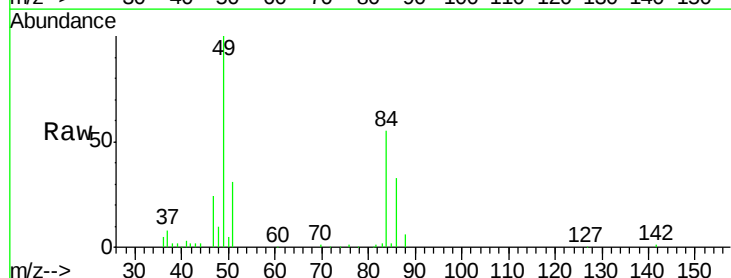
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

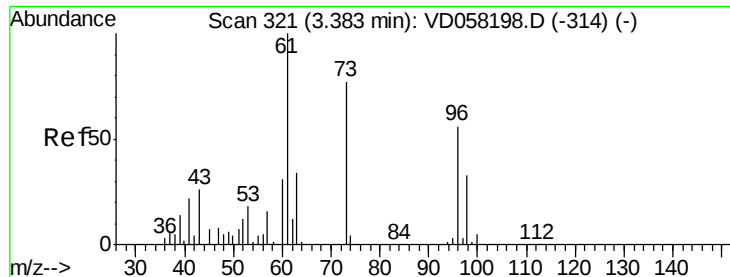
Tot Ion: 73 Resp: 878634
Ion Ratio Lower Upper
73 100
57 21.3 16.6 24.8



#20
Methylene Chloride
Concen: 65.24 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 84 Resp: 211729
Ion Ratio Lower Upper
84 100
49 182.2 145.0 217.6
51 56.3 42.9 64.3
86 60.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 120.06 ug/l

RT: 3.41 min Scan# 324

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

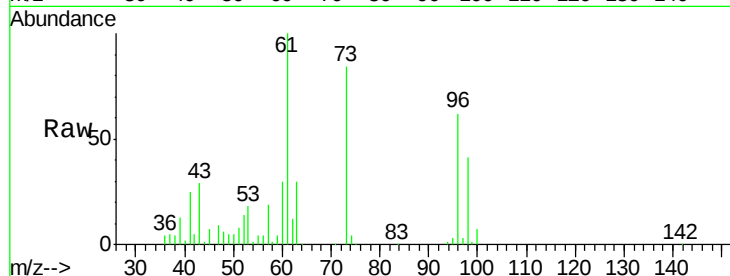
Tot Ion: 96 Resp: 414951

Ion Ratio Lower Upper

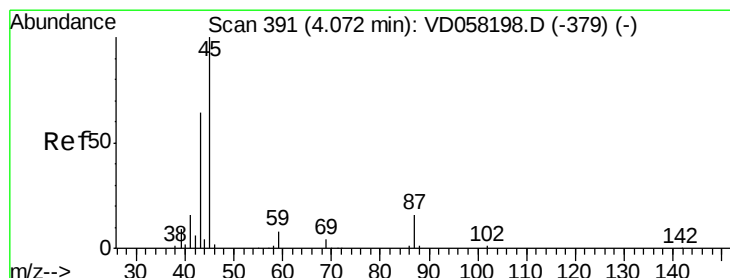
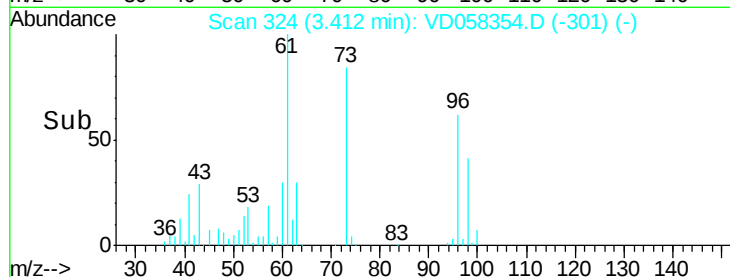
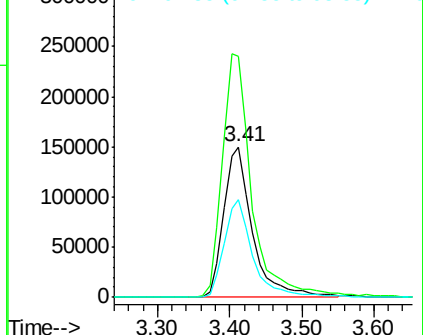
96 100

61 160.2 143.8 215.6

98 65.1 48.0 72.0



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



#22

Diisopropyl ether

Concen: 53.61 ug/l

RT: 4.09 min Scan# 393

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Tgt Ion: 45 Resp: 1567089

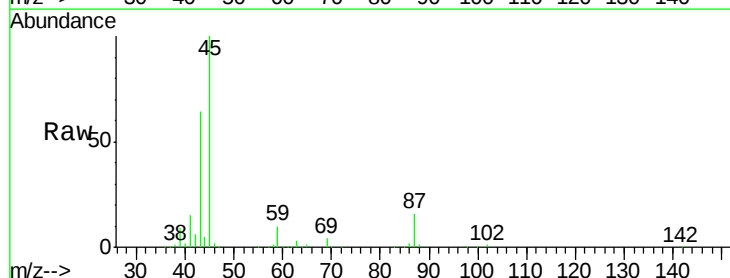
Ion Ratio Lower Upper

45 100

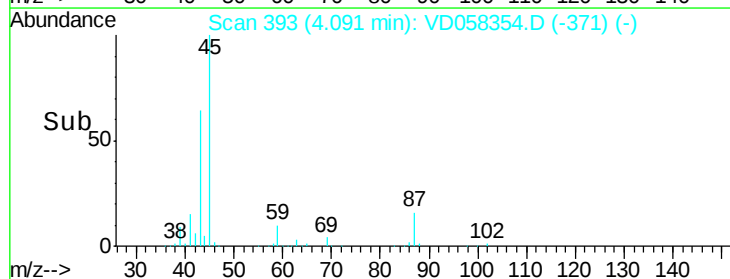
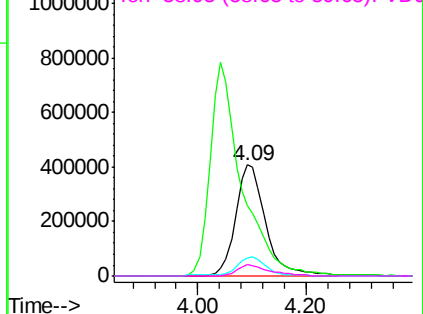
43 64.1 51.4 77.0

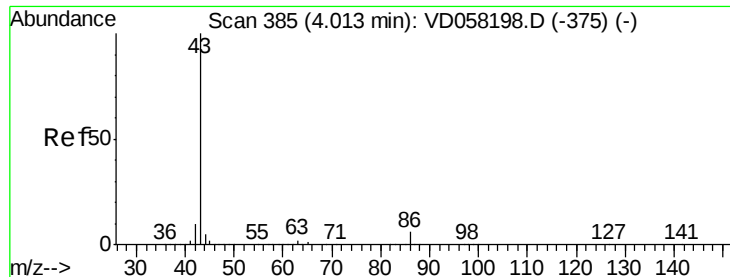
87 16.2 13.0 19.4

59 10.2 6.9 10.3



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





#23

Vinyl Acetate

Concen: 199.77 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

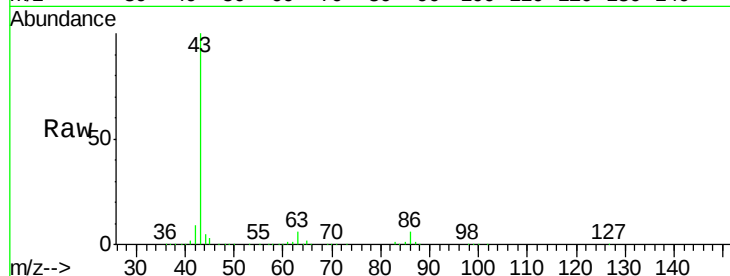
WP021SB478-15-17-180621MSD

Tot Ion: 43 Resp: 3130511

Ion Ratio Lower Upper

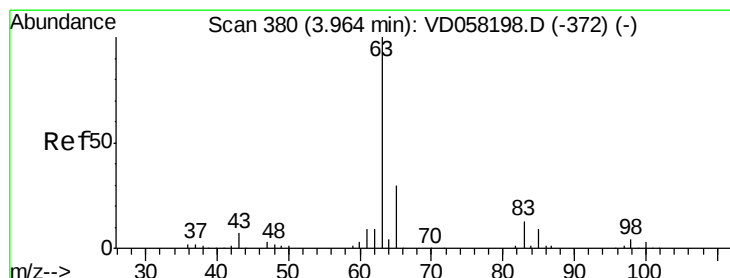
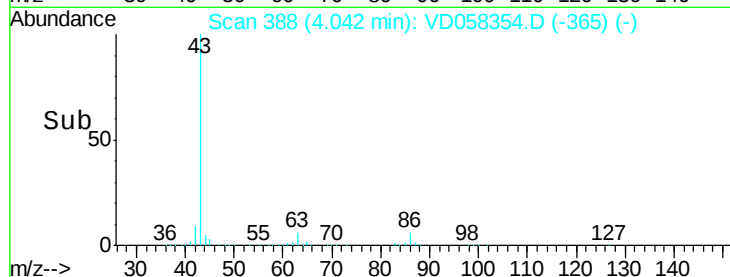
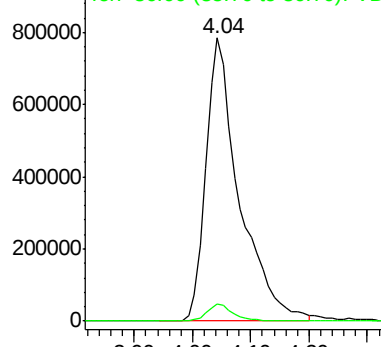
43 100

86 5.9 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 60.98 ug/l

RT: 4.00 min Scan# 384

Delta R.T. 0.04 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

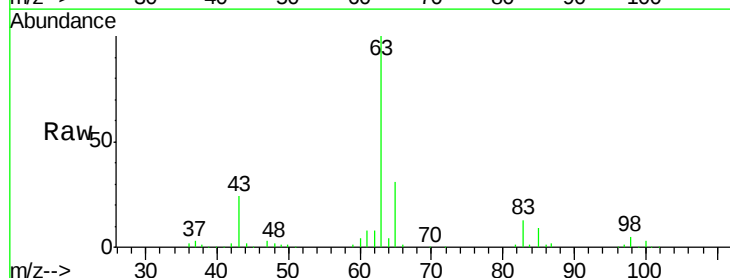
Tgt Ion: 63 Resp: 960334

Ion Ratio Lower Upper

63 100

98 4.7 1.9 5.7

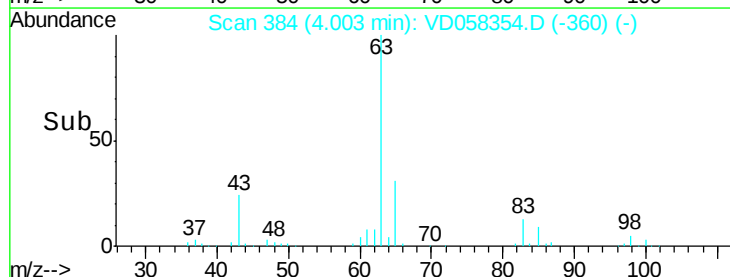
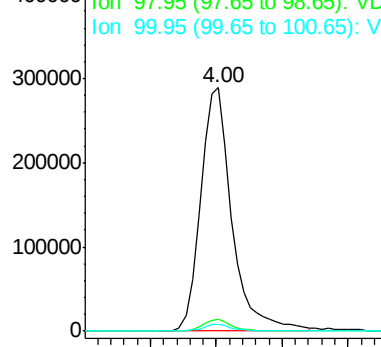
100 3.2 1.3 3.9

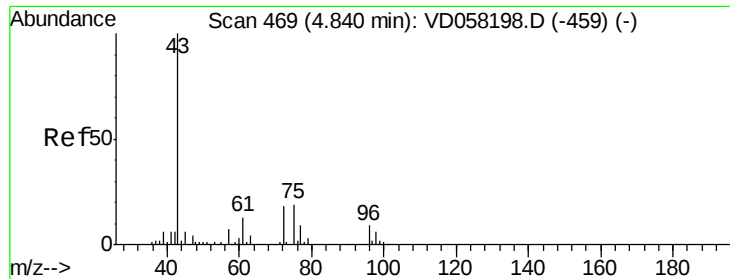


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 220.62 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

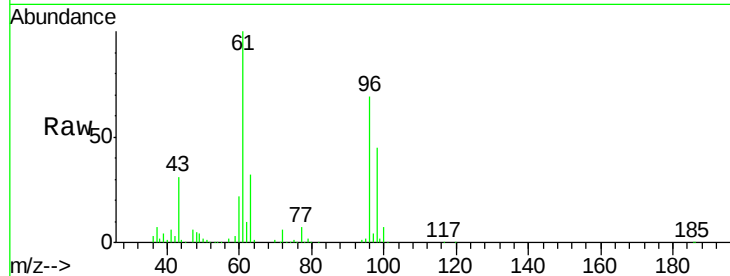
WP021SB478-15-17-180621MSD

Tot Ion: 43 Resp: 611387

Ion Ratio Lower Upper

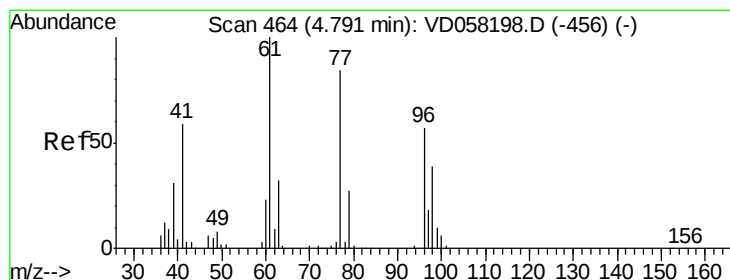
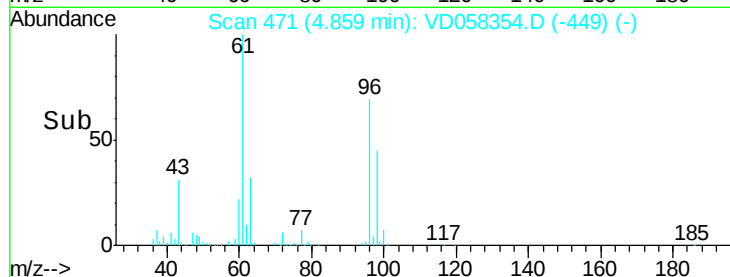
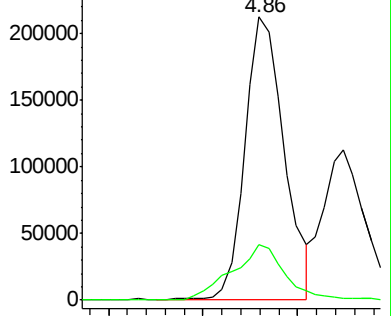
43 100

72 19.6 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 44.37 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD058354.D

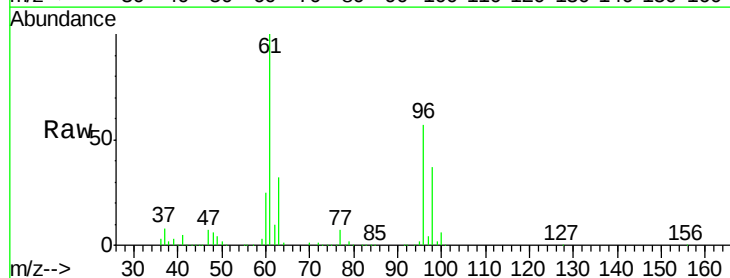
Acq: 23 Jun 2018 21:28

Tgt Ion: 77 Resp: 585063

Ion Ratio Lower Upper

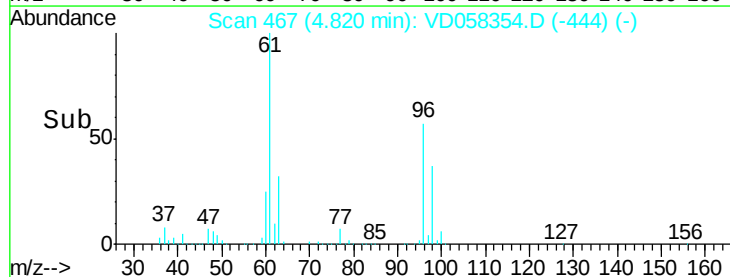
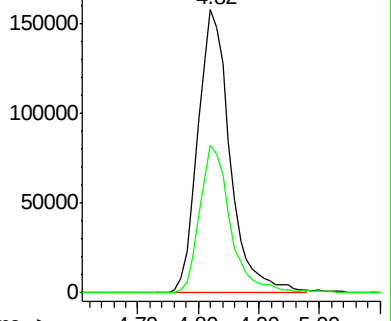
77 100

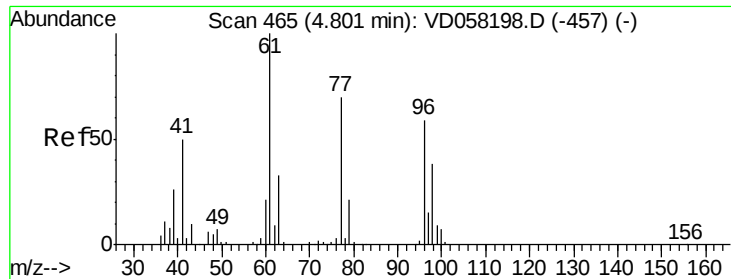
97 52.1 10.5 31.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



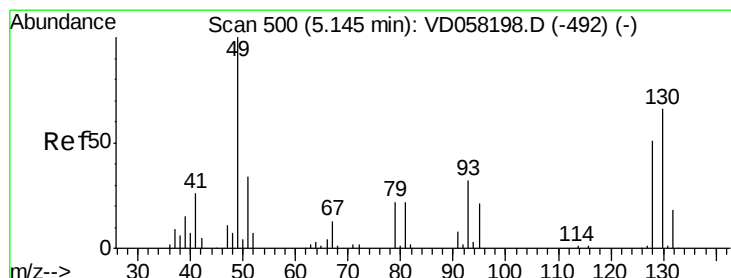
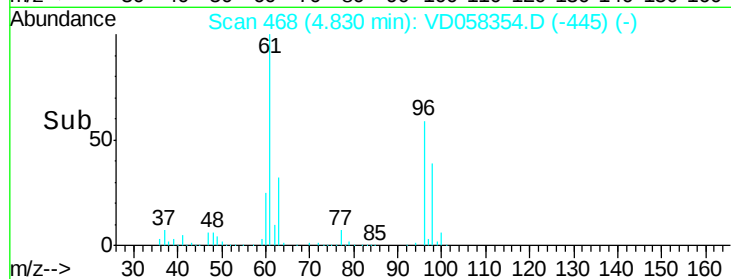
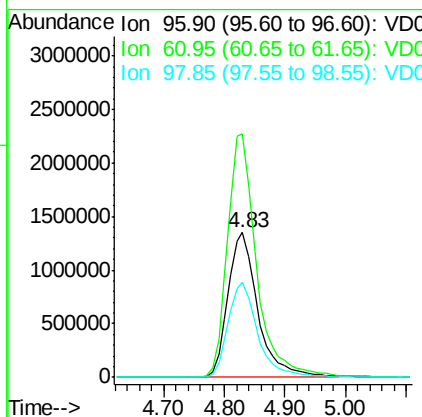
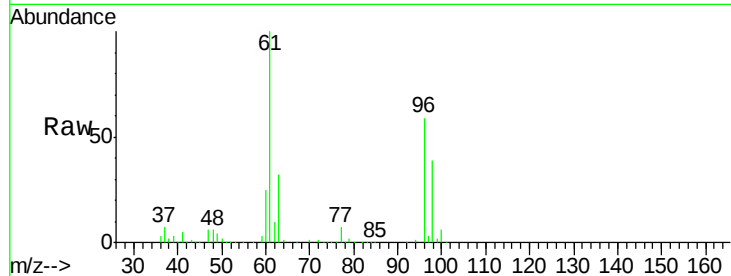


#27

cis-1,2-Dichloroethene
Concen: 536.70 ug/l
RT: 4.83 min Scan# 468
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

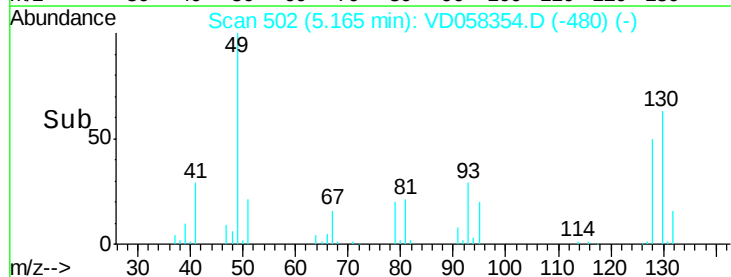
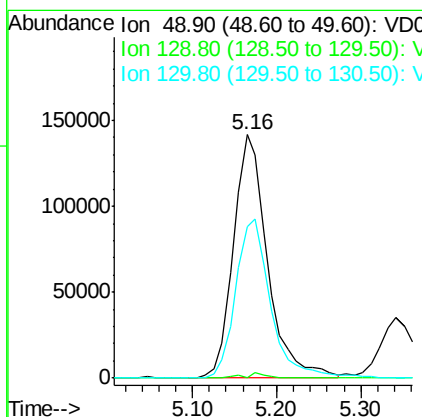
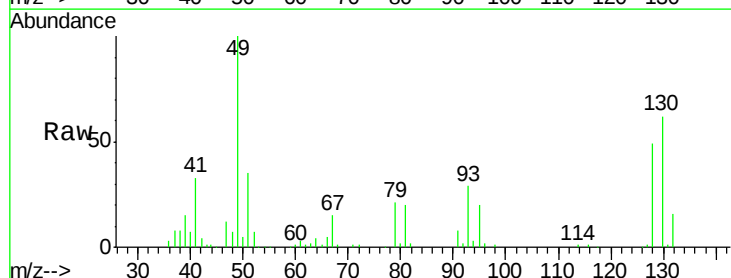
Tot Ion: 96 Resp: 4635294
Ion Ratio Lower Upper
96 100
61 168.3 0.0 338.6
98 65.7 0.0 130.2

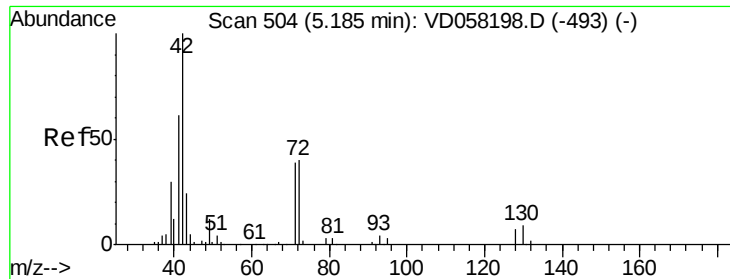


#28

Bromochloromethane
Concen: 56.48 ug/l
RT: 5.16 min Scan# 502
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 49 Resp: 398733
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 62.4 52.6 79.0

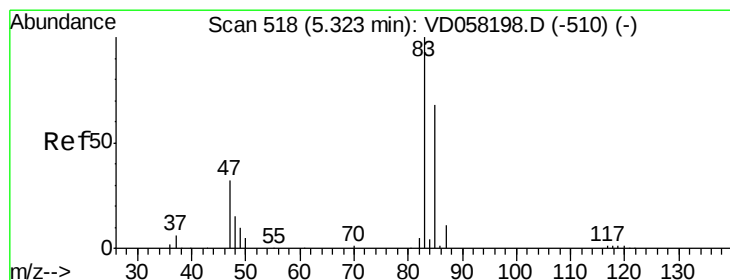
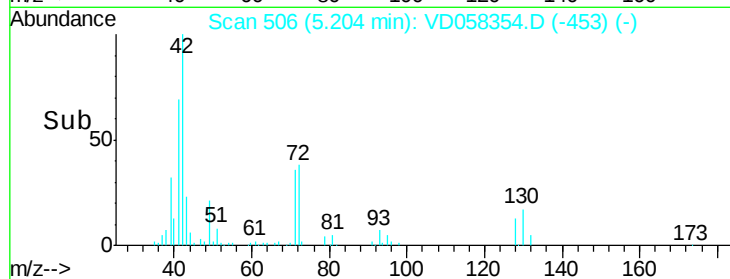
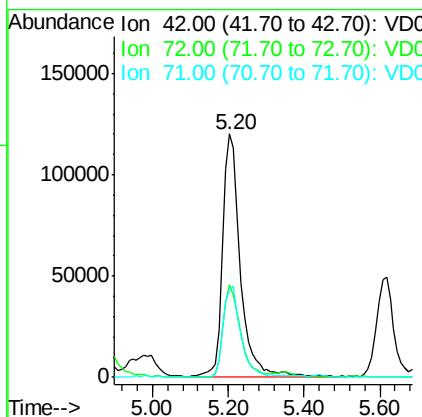
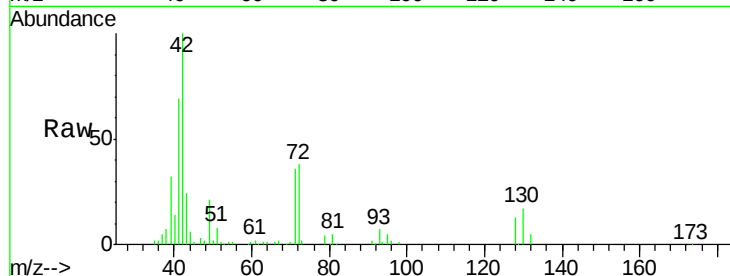




#29
Tetrahydrofuran
Concen: 266.27 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

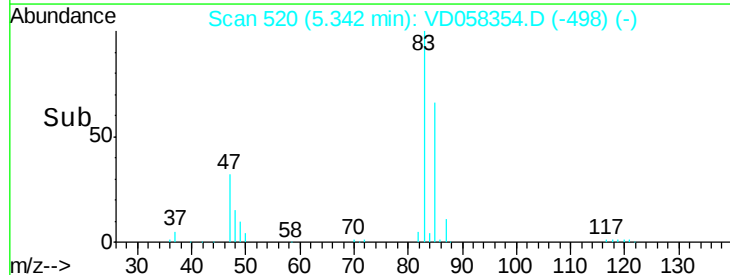
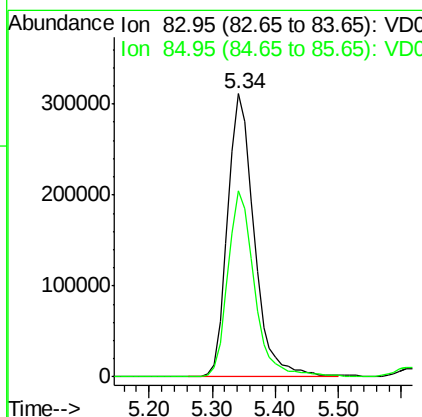
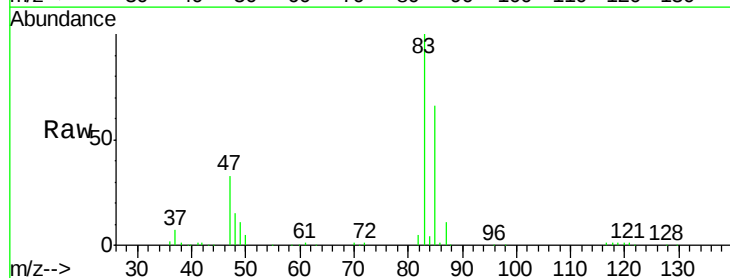
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

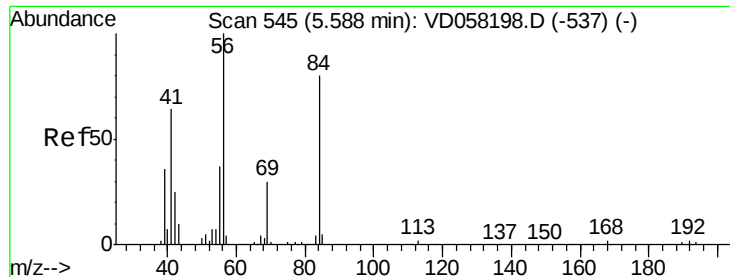
Tot Ion: 42 Resp: 392773
Ion Ratio Lower Upper
42 100
72 37.0 30.2 45.2
71 37.0 30.1 45.1



#30
Chloroform
Concen: 54.65 ug/l
RT: 5.34 min Scan# 520
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 83 Resp: 908635
Ion Ratio Lower Upper
83 100
85 65.8 54.8 82.2

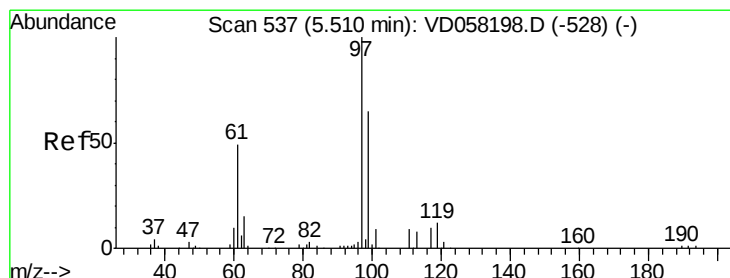
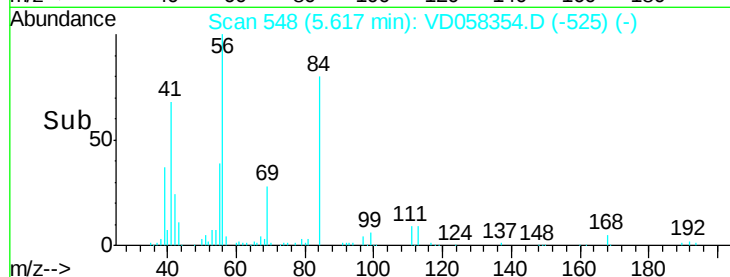
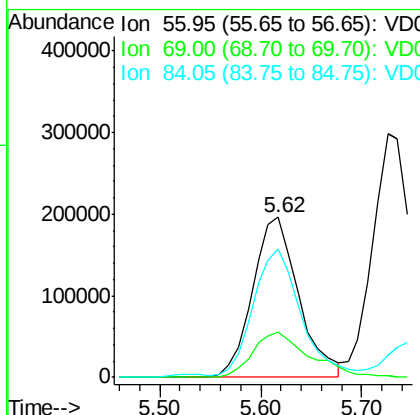
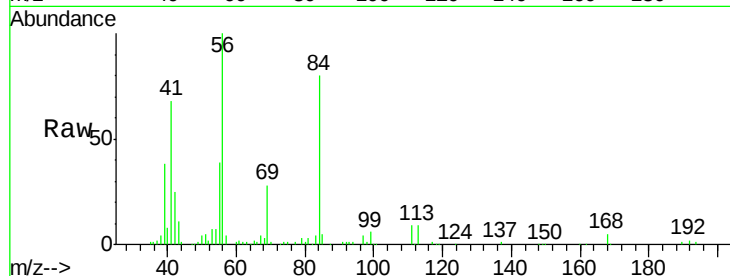




#31
Cyclohexane
Concen: 54.84 ug/l
RT: 5.62 min Scan# 548
Delta R.T. 0.03 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

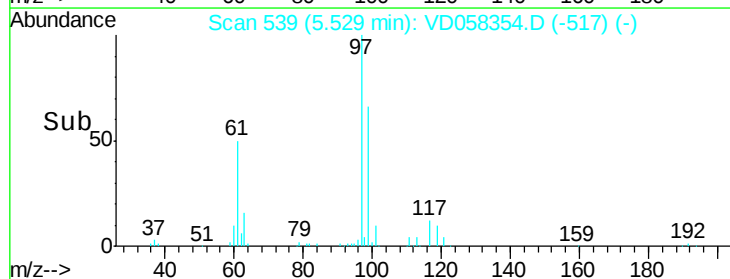
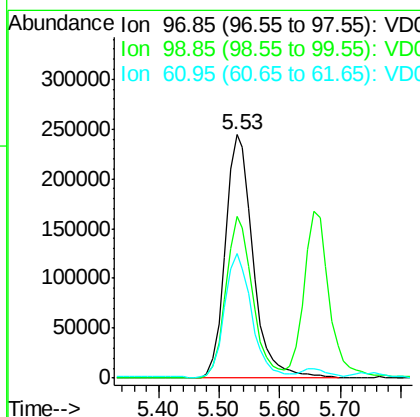
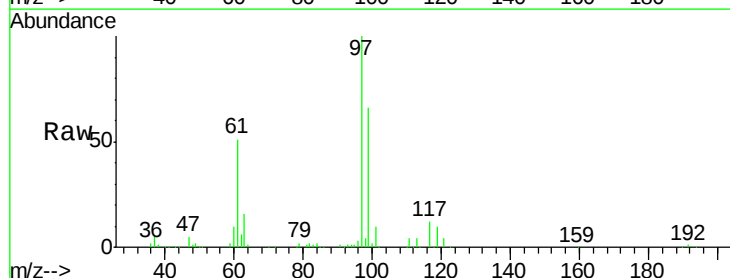
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

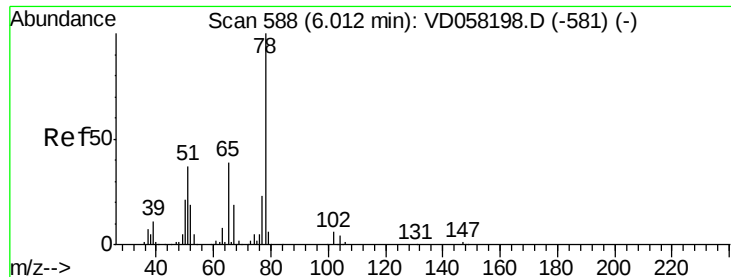
Tot Ion: 56 Resp: 621277
Ion Ratio Lower Upper
56 100
69 28.2 23.6 35.4
84 79.8 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 56.33 ug/l
RT: 5.53 min Scan# 539
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 97 Resp: 773871
Ion Ratio Lower Upper
97 100
99 66.2 52.2 78.4
61 51.3 39.0 58.4

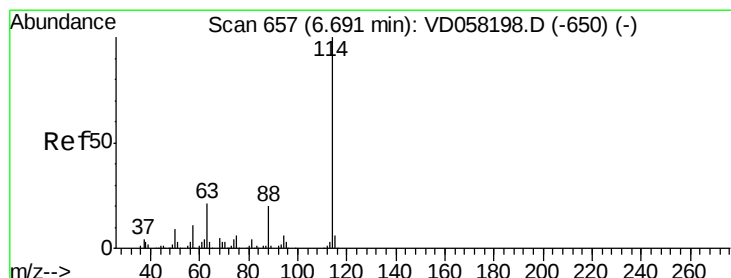
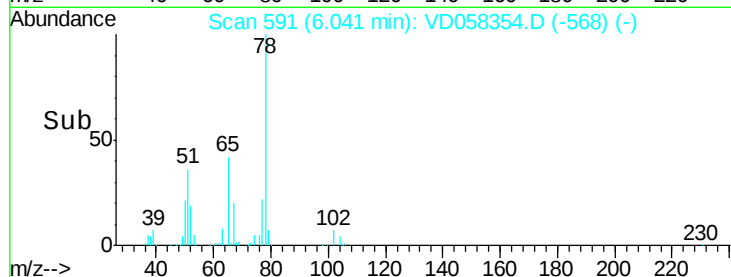
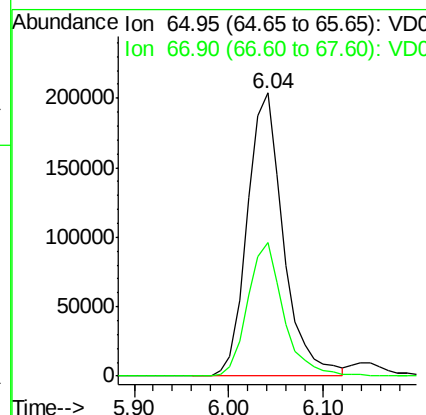
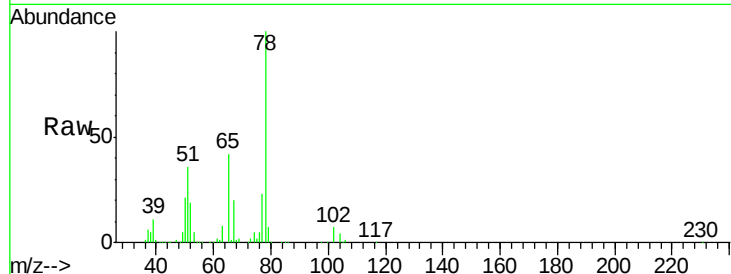




#33
 1,2-Dichloroethane-d4
 Concen: 56.33 ug/l
 RT: 6.04 min Scan# 591
 Delta R.T. 0.03 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

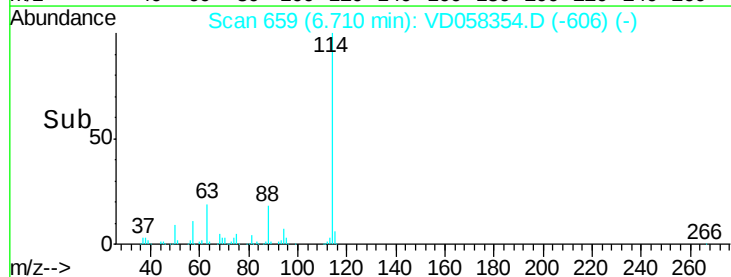
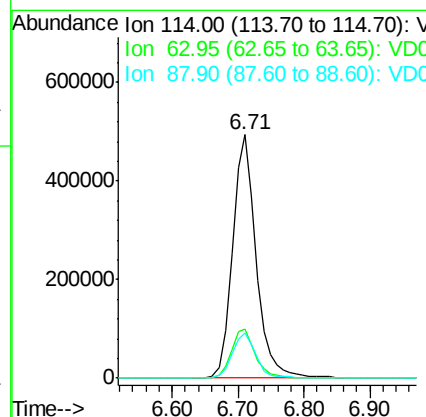
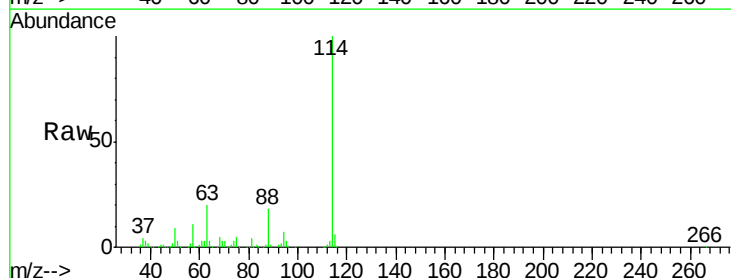
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

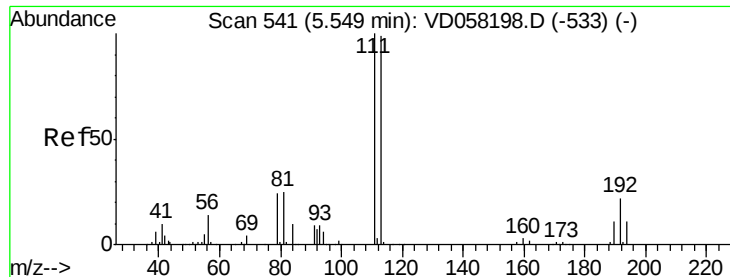
Tot Ion: 65 Resp: 539989
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion: 114 Resp: 1235884
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.6
 88 18.3 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

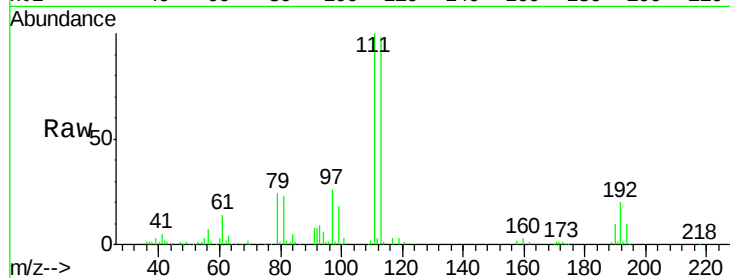
Tot Ion:113 Resp: 548586

Ion Ratio Lower Upper

113 100

111 102.1 80.6 121.0

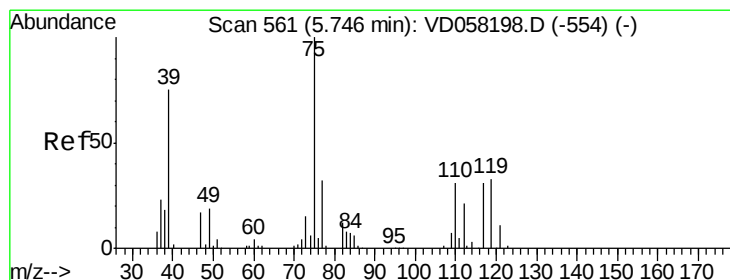
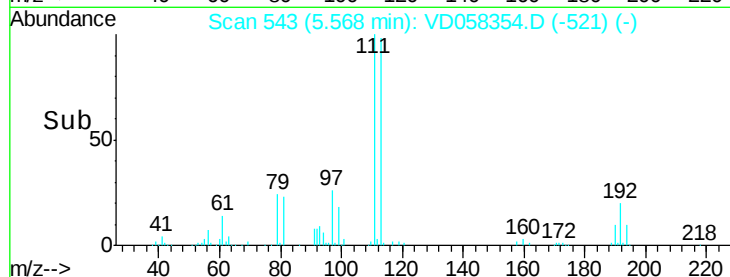
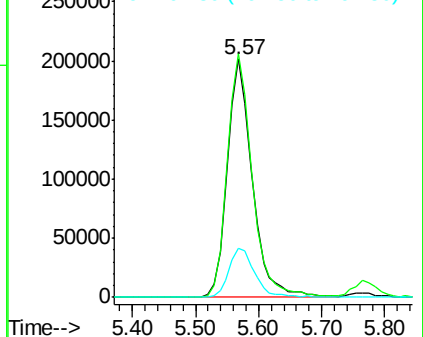
192 20.3 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.17 ug/l

RT: 5.77 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

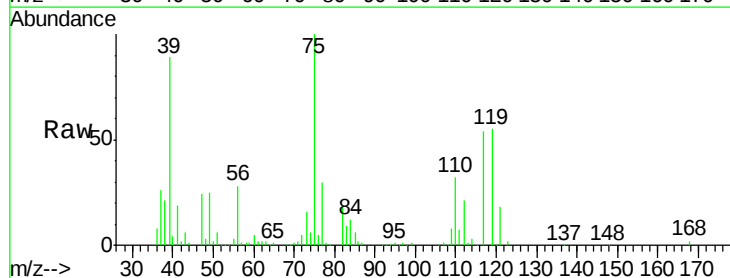
Tgt Ion: 75 Resp: 601214

Ion Ratio Lower Upper

75 100

110 31.7 15.4 46.4

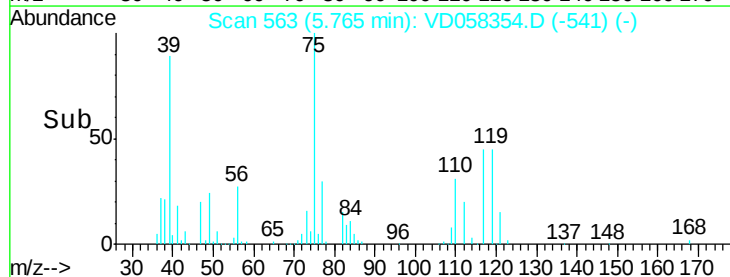
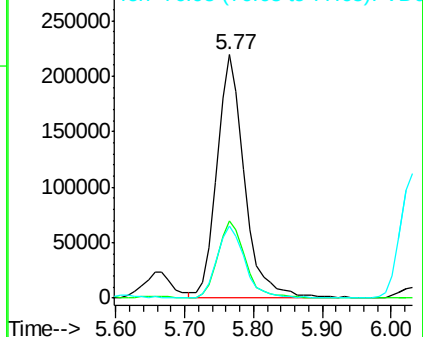
77 29.7 25.4 38.2

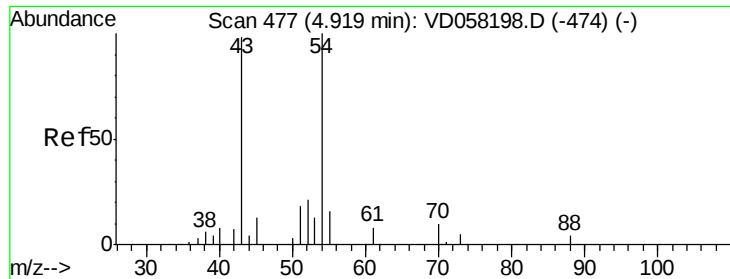


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 51.54 ug/l

RT: 4.95 min Scan# 480

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

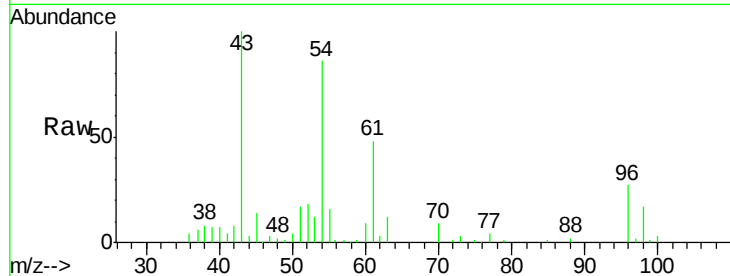
Tot Ion: 43 Resp: 359028

Ion Ratio Lower Upper

43 100

61 47.8 10.3 15.5#

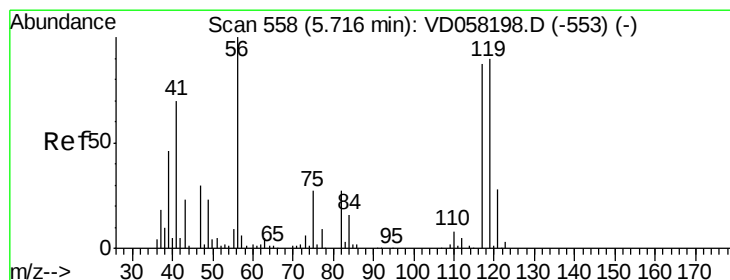
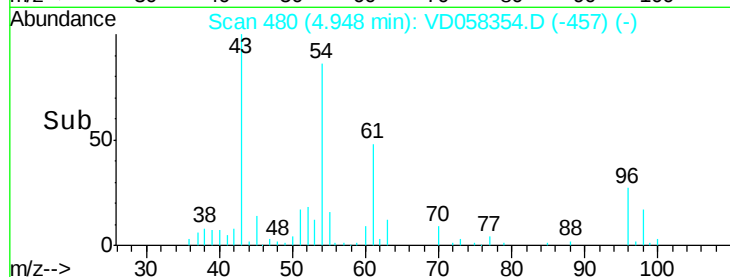
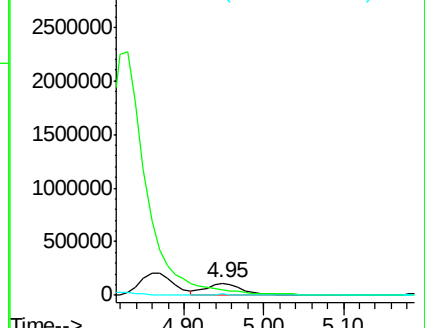
70 8.8 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 52.78 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

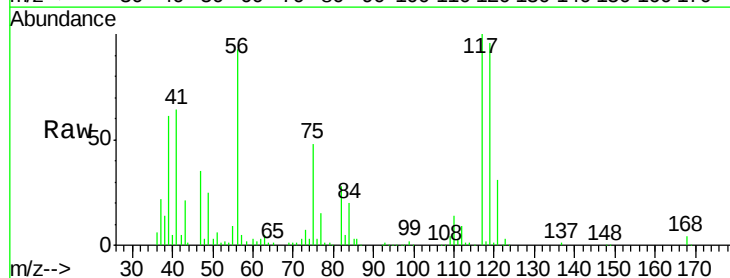
Tgt Ion: 117 Resp: 641180

Ion Ratio Lower Upper

117 100

119 96.1 78.8 118.2

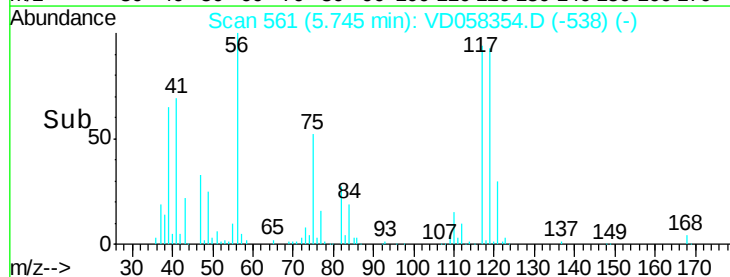
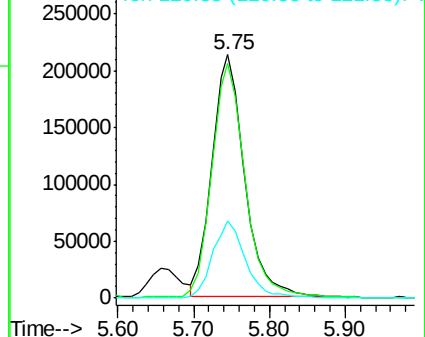
121 31.5 25.0 37.6

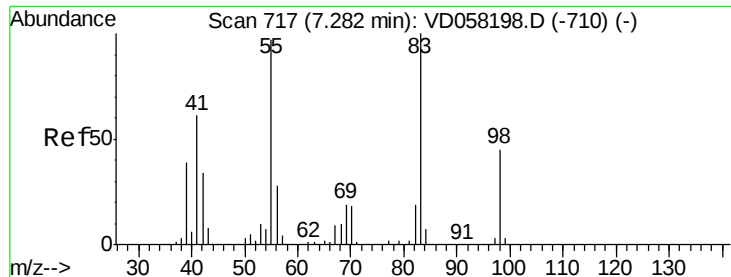


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

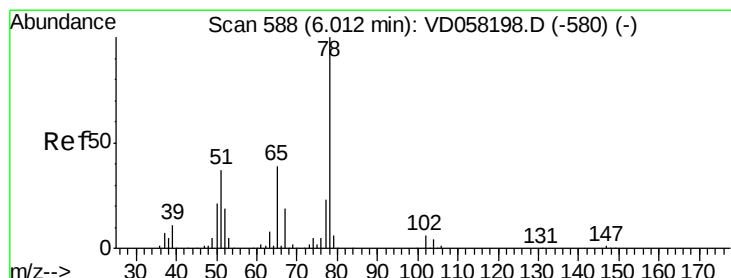
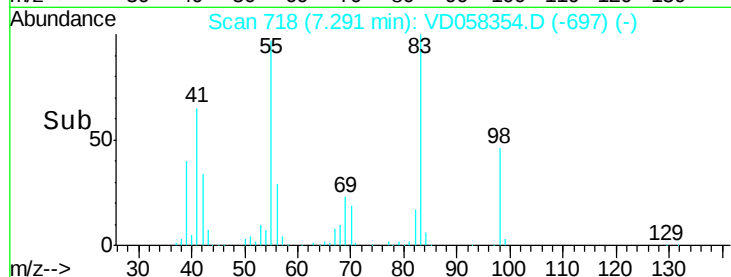
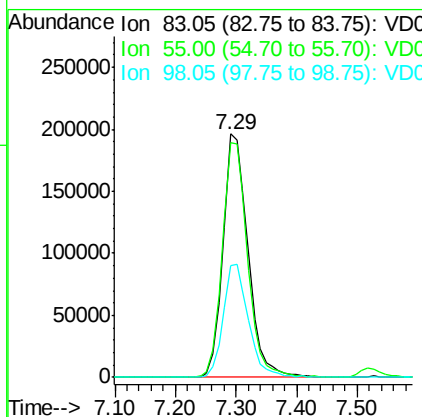
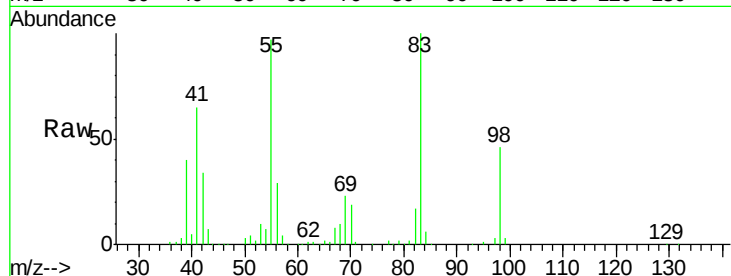




#39
Methvlcvclohexane
Concen: 47.31 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

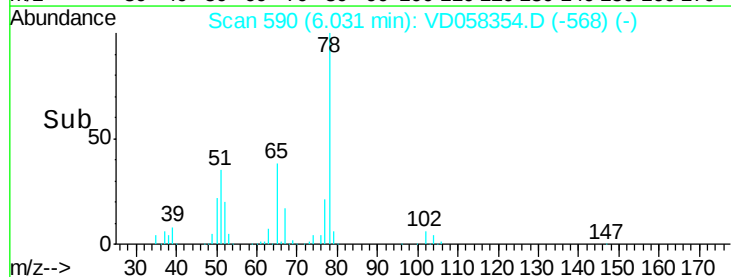
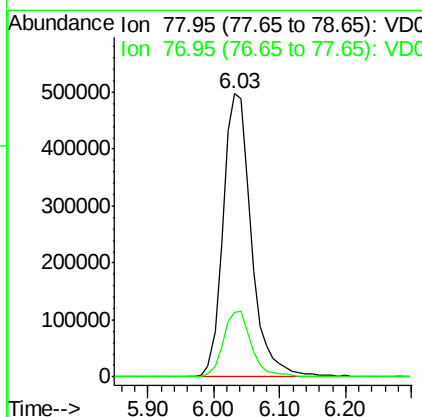
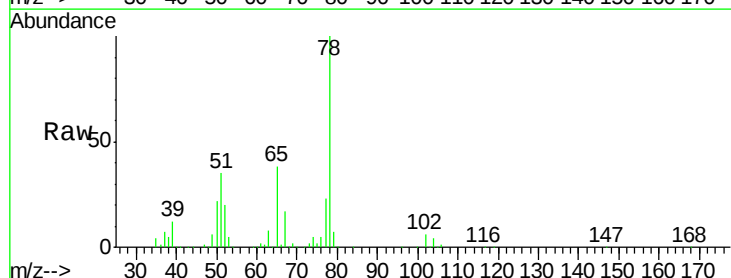
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

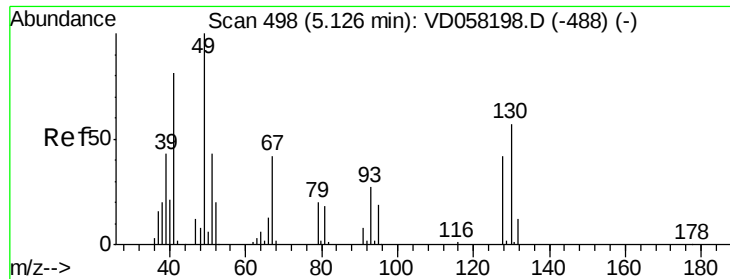
Tot Ion: 83 Resp: 563345
Ion Ratio Lower Upper
83 100
55 96.6 77.4 116.2
98 45.9 35.9 53.9



#40
Benzene
Concen: 51.47 ug/l
RT: 6.03 min Scan# 590
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 78 Resp: 1498963
Ion Ratio Lower Upper
78 100
77 22.6 18.5 27.7

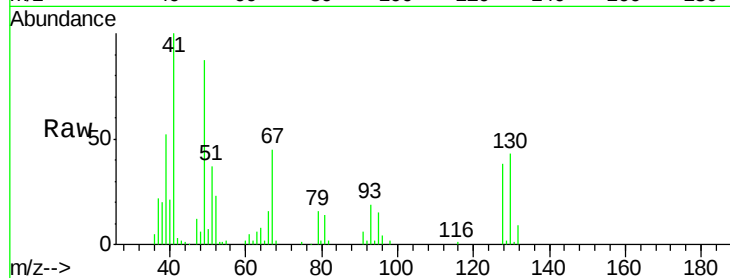




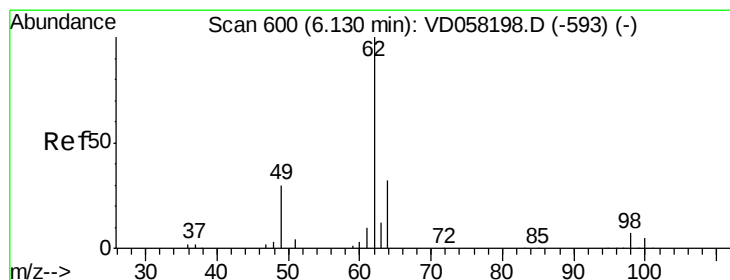
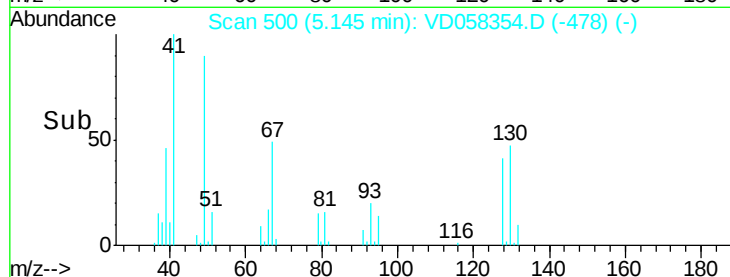
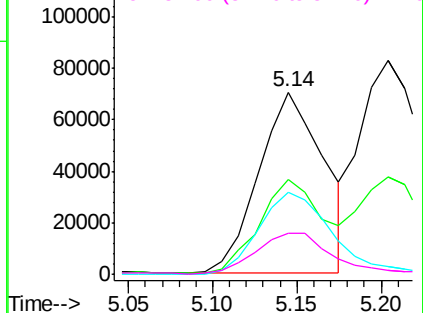
#41
Methacrylonitrile
Concen: 56.02 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

Tot Ion: 41 Resp: 188443
Ion Ratio Lower Upper
41 100
39 52.4 43.4 65.2
67 45.3 41.7 62.5
52 22.7 20.6 30.8

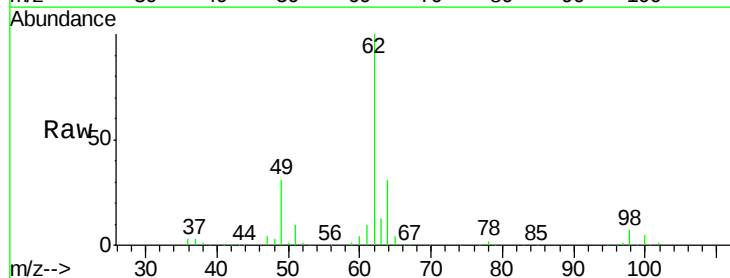


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

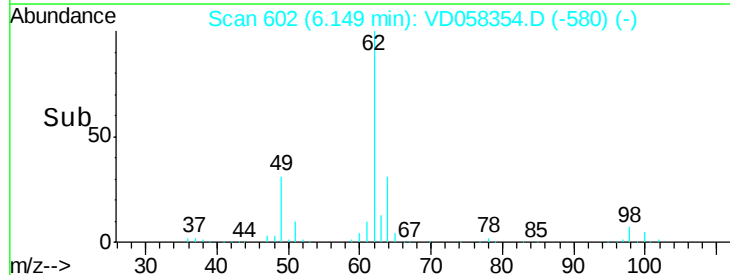
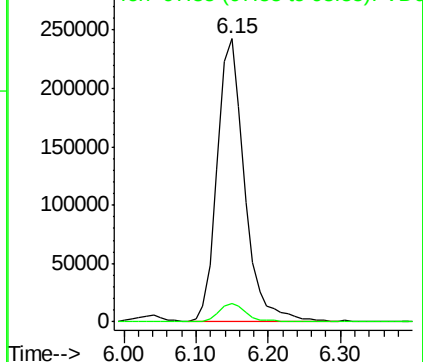


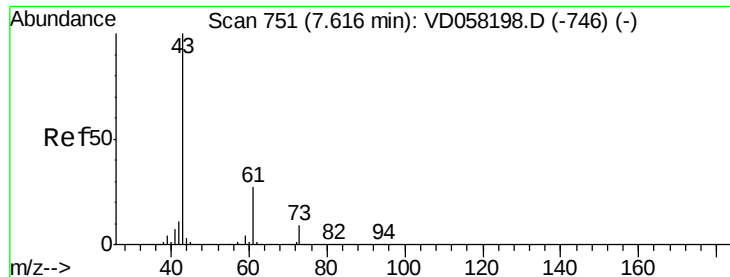
#42
1,2-Dichloroethane
Concen: 53.95 ug/l
RT: 6.15 min Scan# 602
Delta R.T. 0.02 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 62 Resp: 633569
Ion Ratio Lower Upper
62 100
98 6.6 0.0 13.2



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





#43

Isopropyl Acetate

Concen: 47.03 ug/l

RT: 7.64 min Scan# 753

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

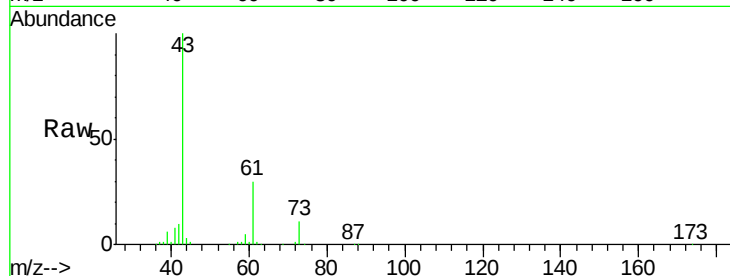
Tot Ion: 43 Resp: 436782

Ion Ratio Lower Upper

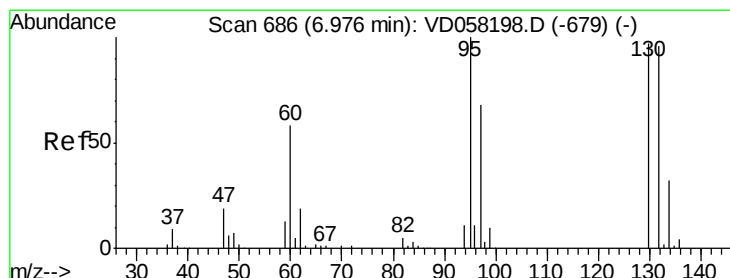
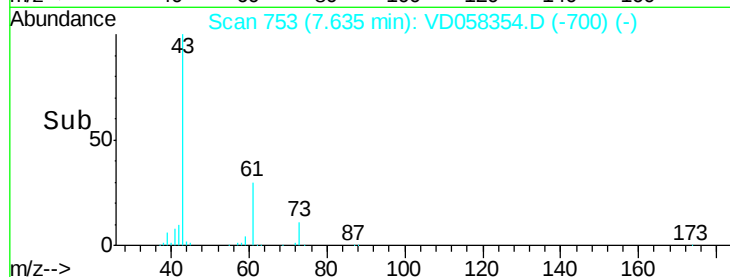
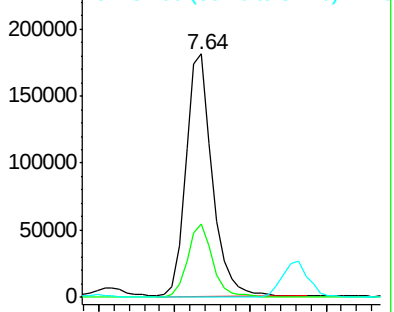
43 100

61 30.1 21.8 32.6

87 0.4 0.3 0.5



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



#44

Trichloroethene

Concen: 164.14 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058354.D

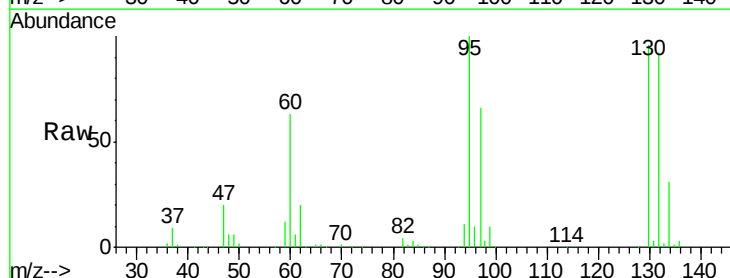
Acq: 23 Jun 2018 21:28

Tgt Ion:130 Resp: 1435481

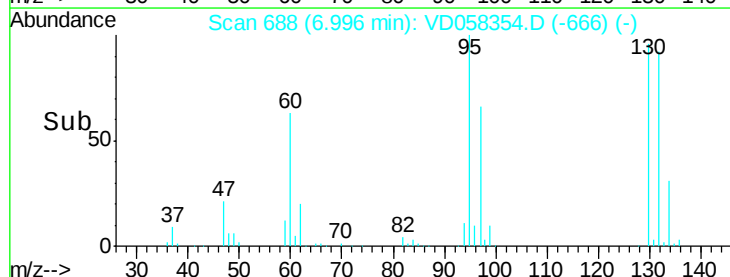
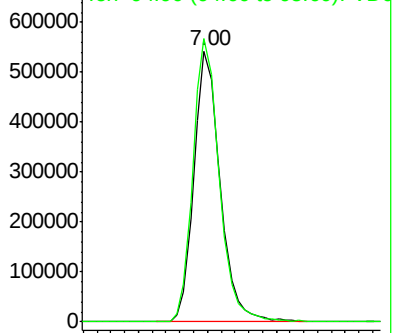
Ion Ratio Lower Upper

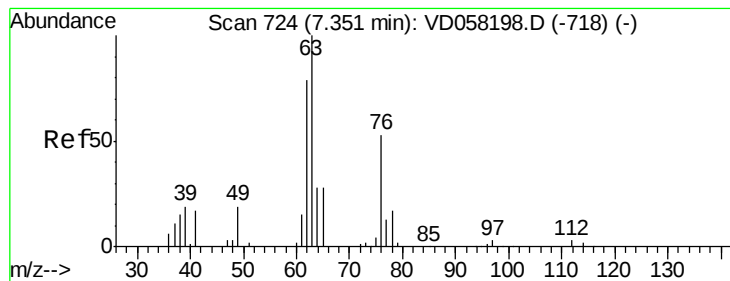
130 100

95 104.5 0.0 205.6



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





#45

1,2-Dichloropropane

Concen: 51.62 ug/l

RT: 7.37 min Scan# 726

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

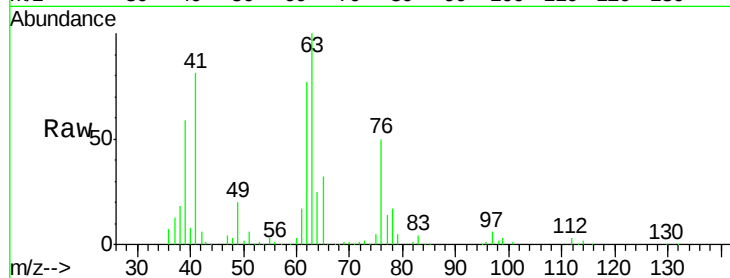
WP021SB478-15-17-180621MSD

Tot Ion: 63 Resp: 404876

Ion Ratio Lower Upper

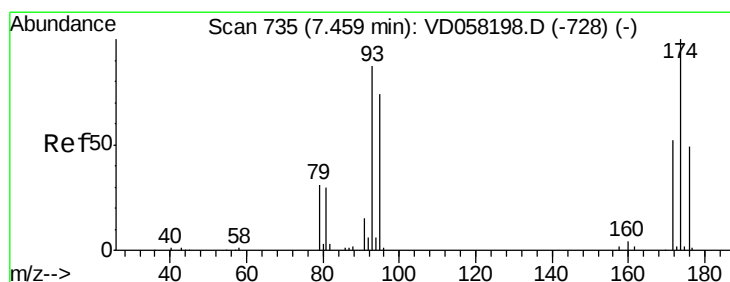
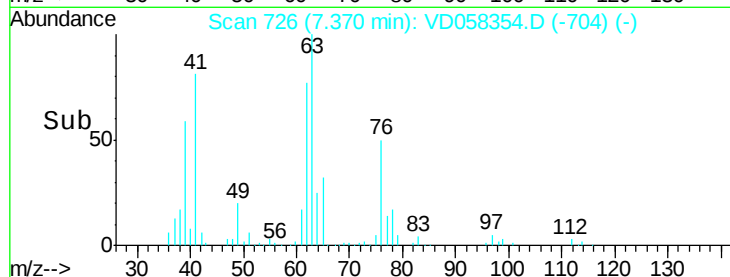
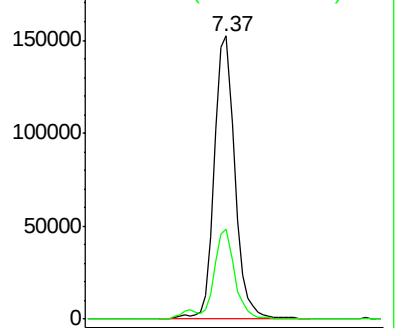
63 100

65 32.0 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.49 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

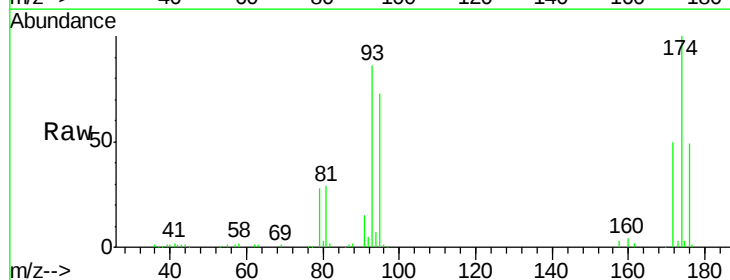
Tgt Ion: 93 Resp: 275696

Ion Ratio Lower Upper

93 100

95 84.9 67.8 101.6

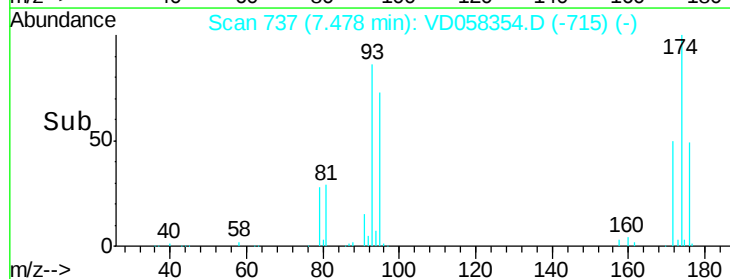
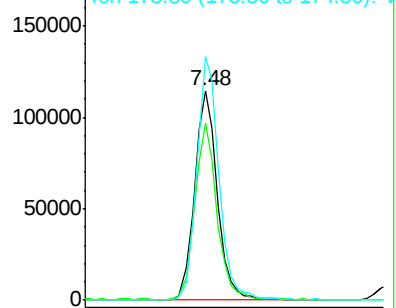
174 116.4 92.2 138.2

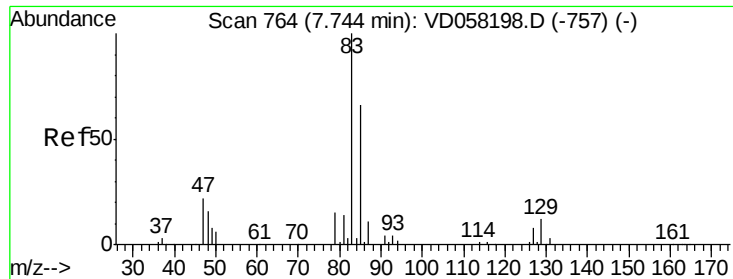


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.82 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

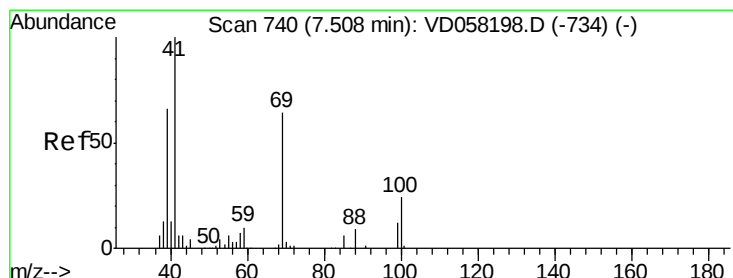
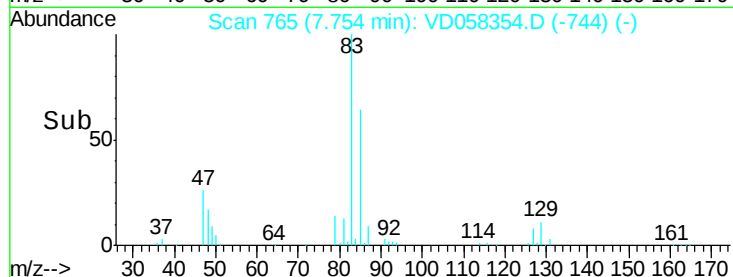
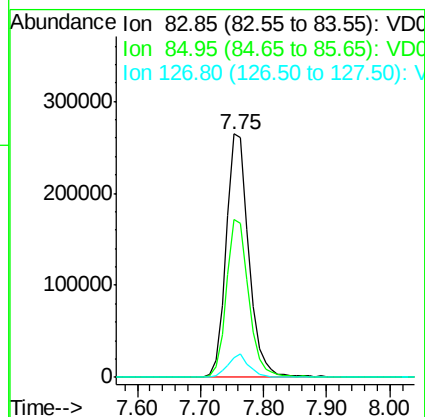
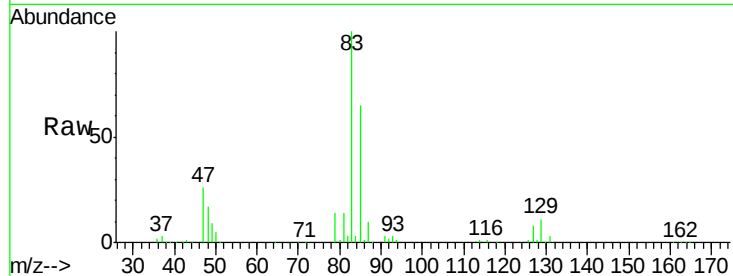
Tot Ion: 83 Resp: 657110

Ion Ratio Lower Upper

83 100

85 64.7 52.6 78.8

127 8.1 6.2 9.4



#48

Methyl methacrylate

Concen: 52.86 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

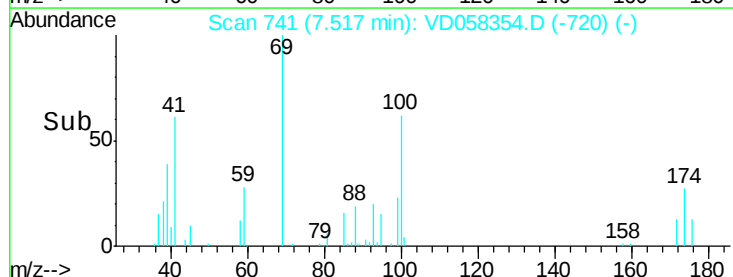
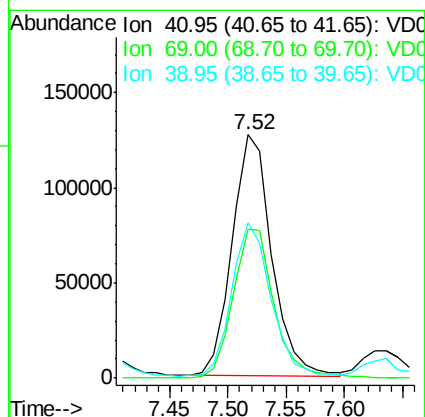
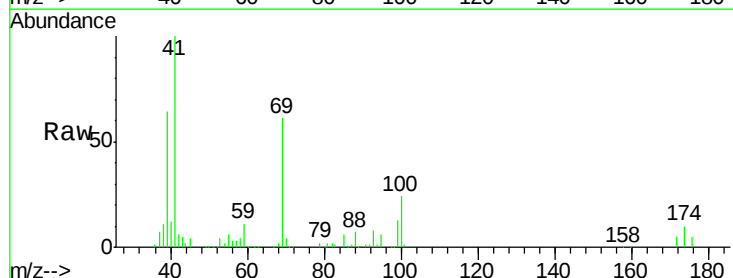
Tgt Ion: 41 Resp: 298385

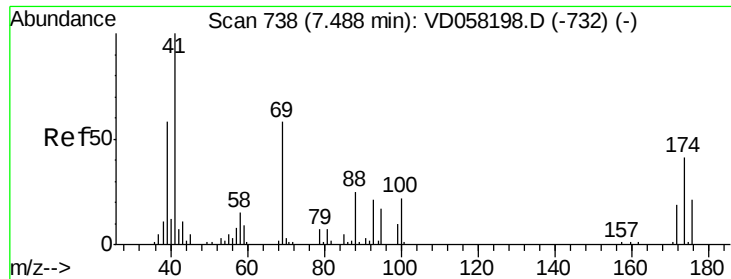
Ion Ratio Lower Upper

41 100

69 61.0 50.7 76.1

39 63.6 52.6 78.8





#49

1,4-Dioxane

Concen: 790.11 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

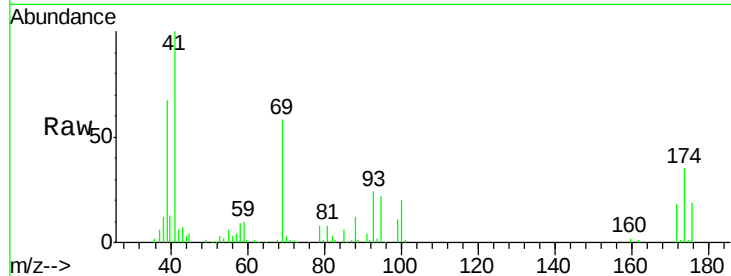
Tot Ion: 88 Resp: 40257

Ion Ratio Lower Upper

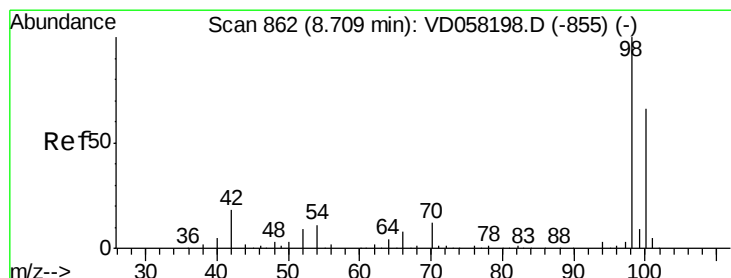
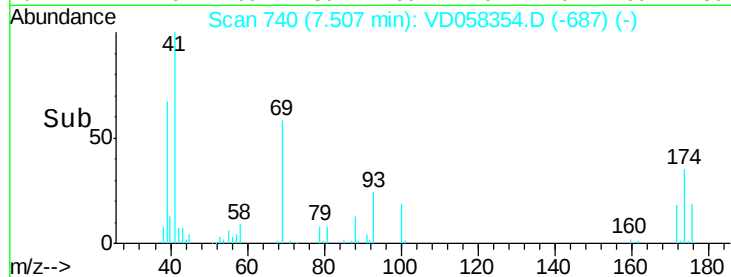
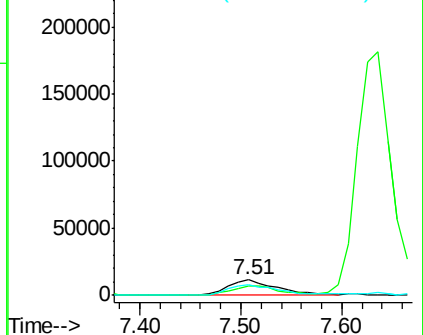
88 100

43 58.1 34.2 51.2#

58 69.6 47.9 71.9



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



#50

Toluene-d8

Concen: 790.11 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058354.D

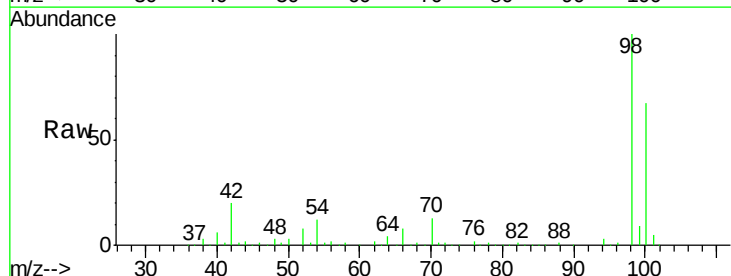
Acq: 23 Jun 2018 21:28

Tgt Ion: 98 Resp: 1291783

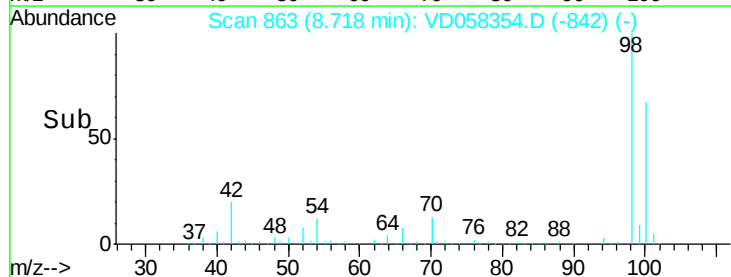
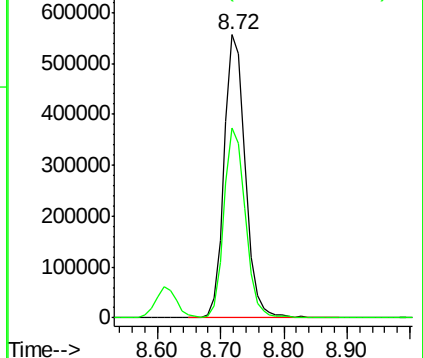
Ion Ratio Lower Upper

98 100

100 67.3 53.6 80.4



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





#51

4-Methyl-2-Pentanone

Concen: 254.79 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

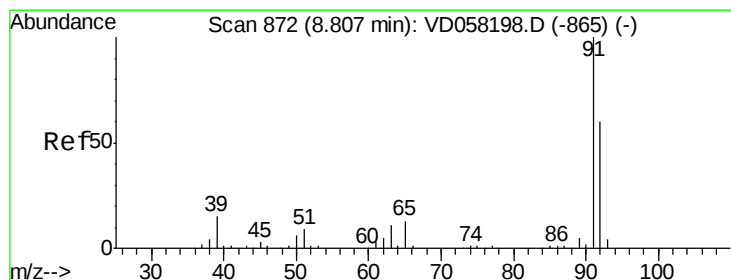
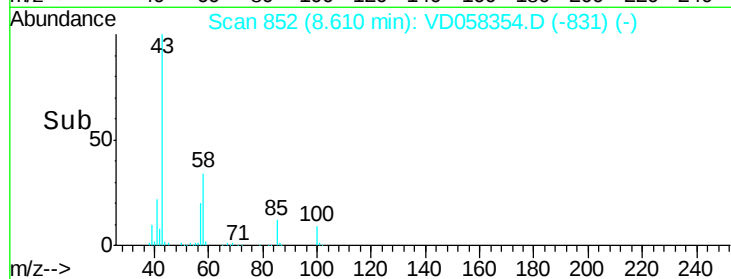
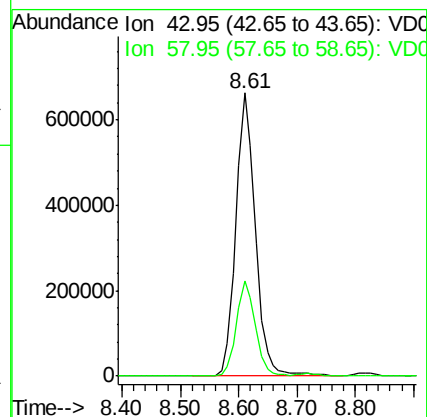
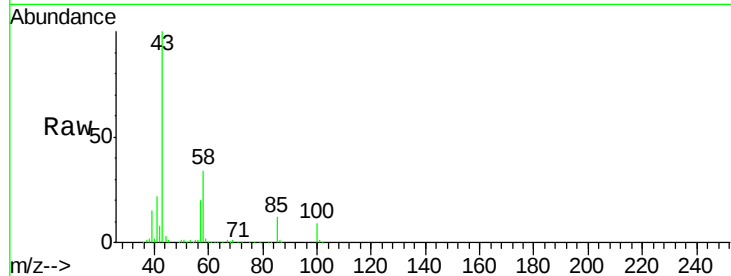
WP021SB478-15-17-180621MSD

Tot Ion: 43 Resp: 1543426

Ion Ratio Lower Upper

43 100

58 33.6 26.7 40.1



#52

Toluene

Concen: 53.10 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058354.D

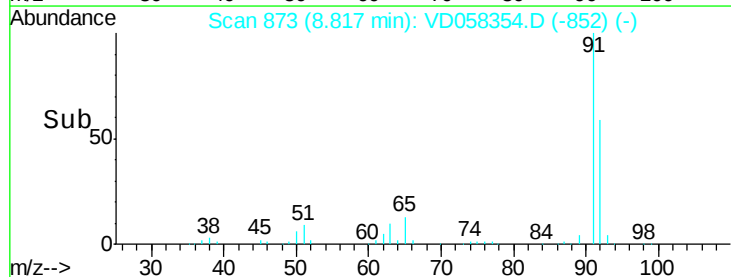
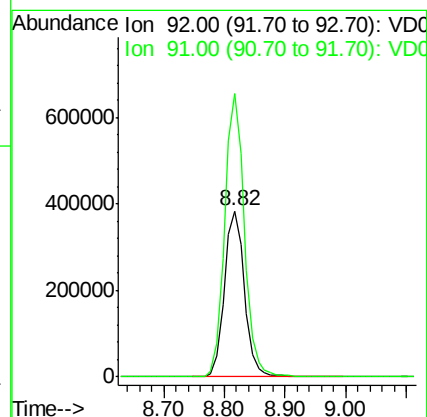
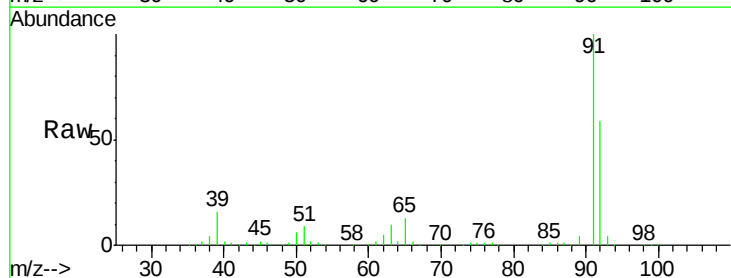
Acq: 23 Jun 2018 21:28

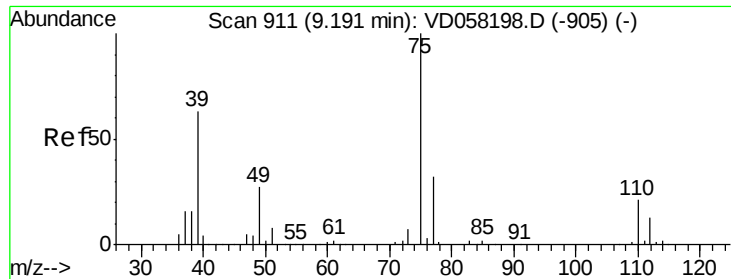
Tgt Ion: 92 Resp: 880533

Ion Ratio Lower Upper

92 100

91 170.7 133.2 199.8

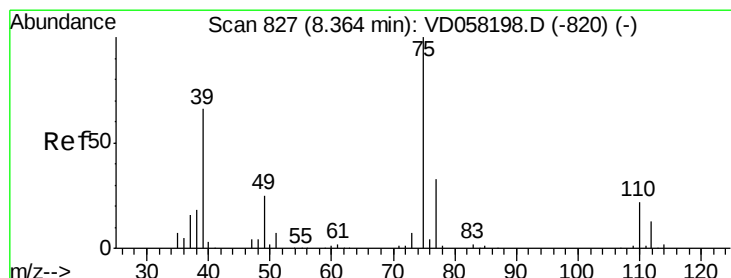
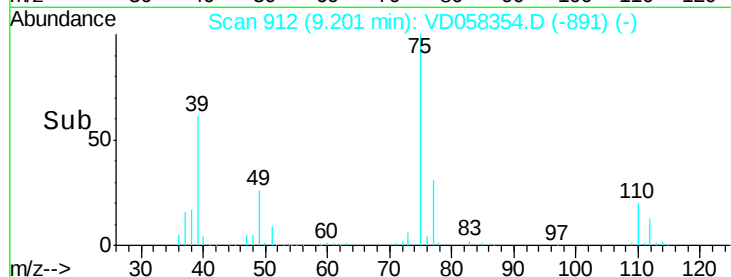
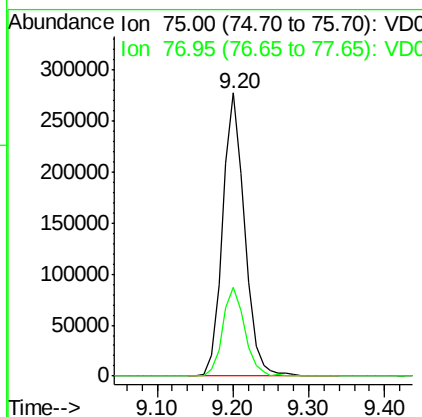
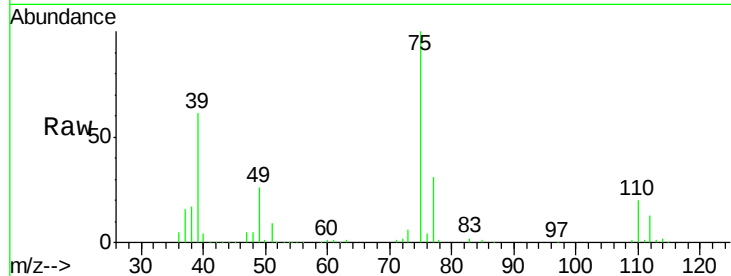




#53
 t-1,3-Dichloropropene
 Concen: 52.64 ug/l
 RT: 9.20 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

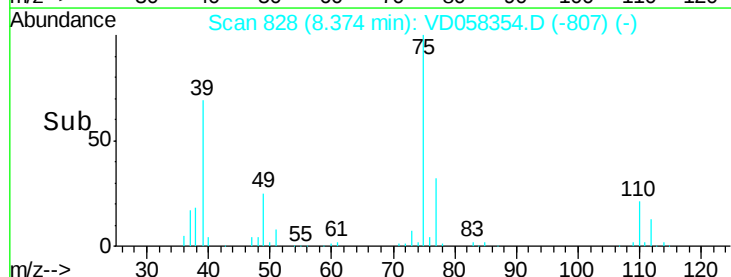
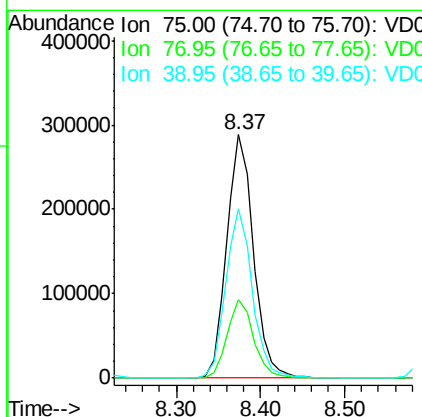
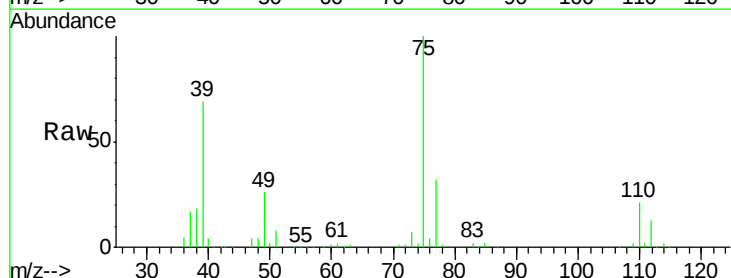
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

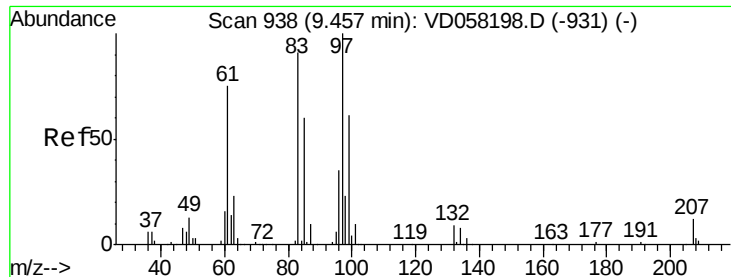
Tot Ion: 75 Resp: 558859
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 51.25 ug/l
 RT: 8.37 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion: 75 Resp: 637828
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.5 39.7
 39 69.5 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 51.18 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

Tot Ion: 97 Resp: 300298

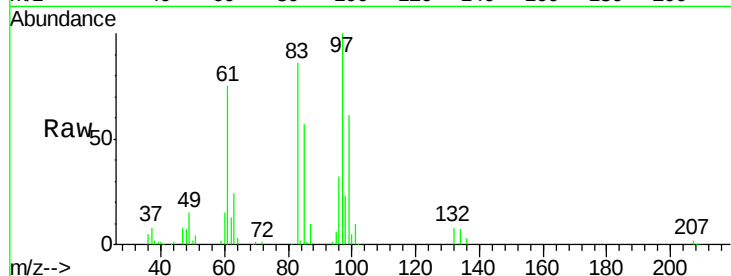
Ion Ratio Lower Upper

97 100

83 85.5 72.9 109.3

85 56.9 48.2 72.4

99 61.4 48.9 73.3

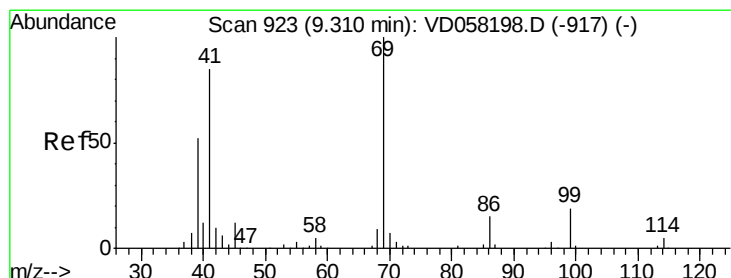
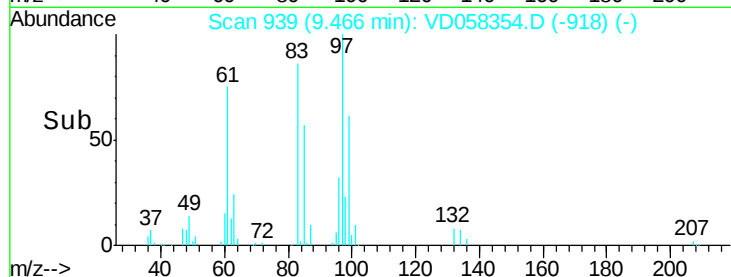
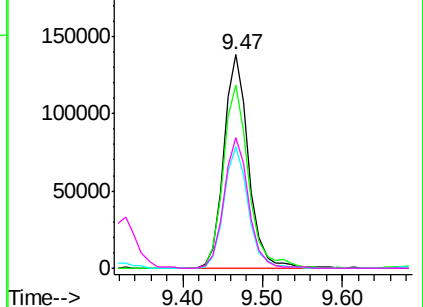


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 51.59 ug/l

RT: 9.33 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

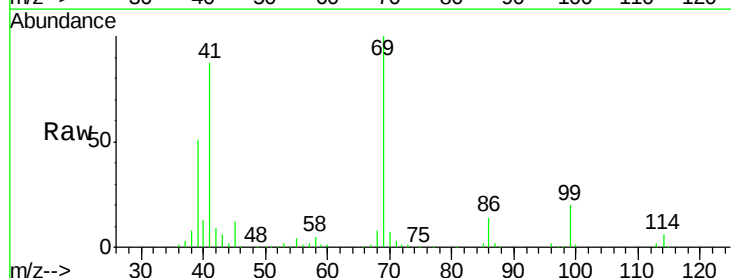
Tgt Ion: 69 Resp: 361996

Ion Ratio Lower Upper

69 100

41 87.0 67.6 101.4

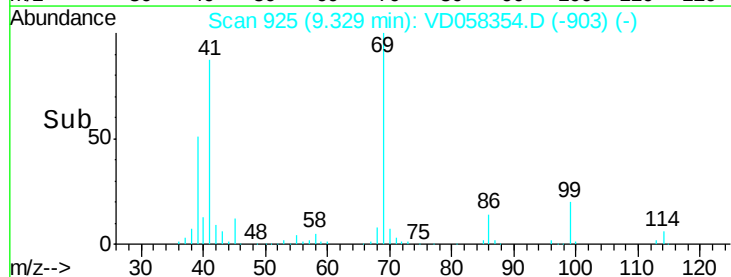
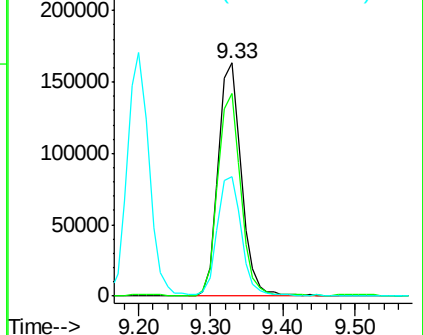
39 51.2 42.2 63.2

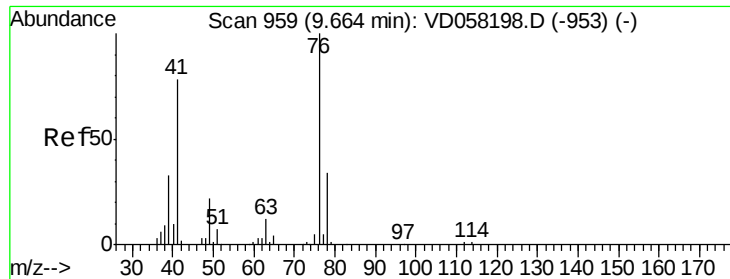


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.28 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

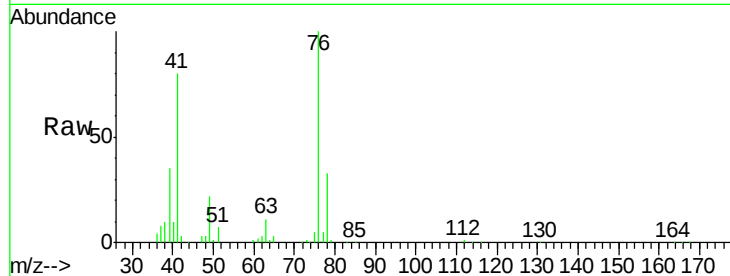
WP021SB478-15-17-180621MSD

Tot Ion: 76 Resp: 496941

Ion Ratio Lower Upper

76 100

78 32.7 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

200000

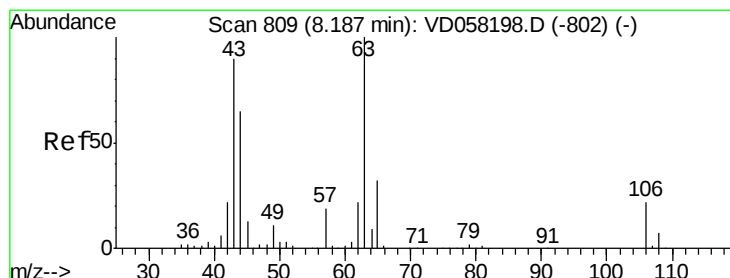
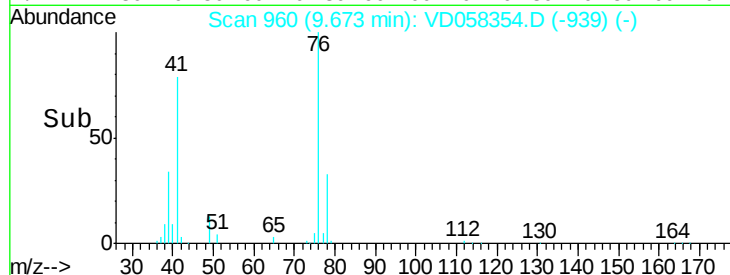
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 275.00 ug/l

RT: 8.21 min Scan# 811

Delta R.T. 0.02 min

Lab File: VD058354.D

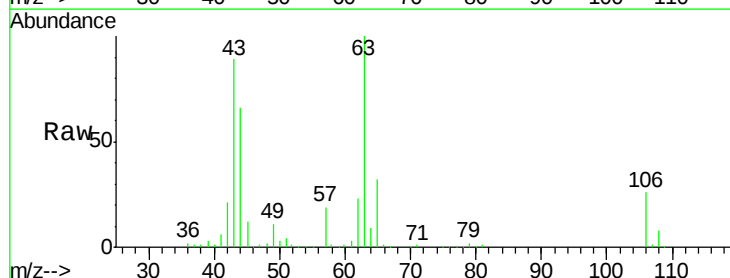
Acq: 23 Jun 2018 21:28

Tgt Ion: 63 Resp: 955274

Ion Ratio Lower Upper

63 100

106 26.0 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.21

400000

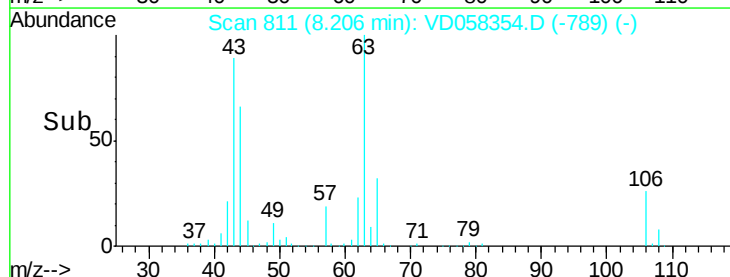
300000

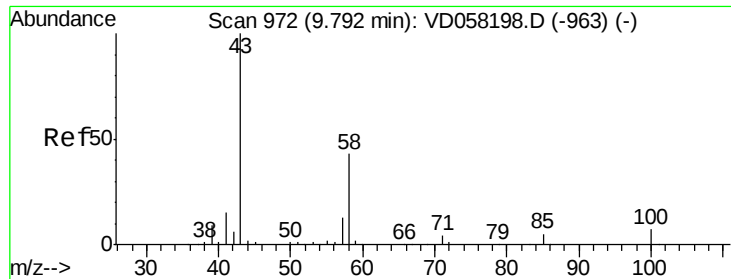
200000

100000

0

Time-->

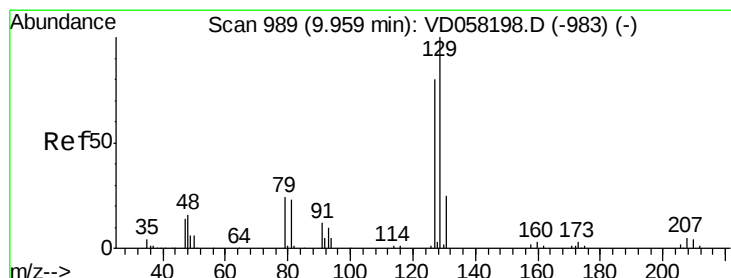
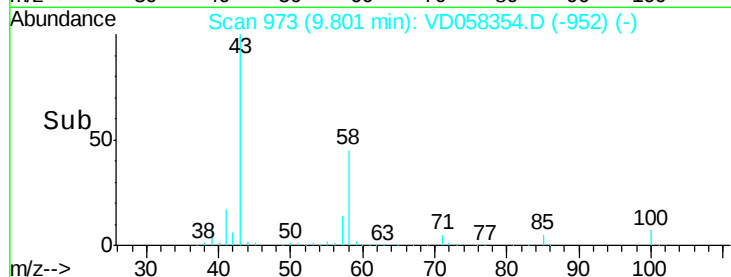
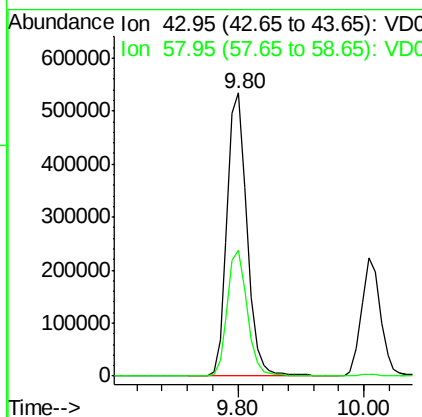
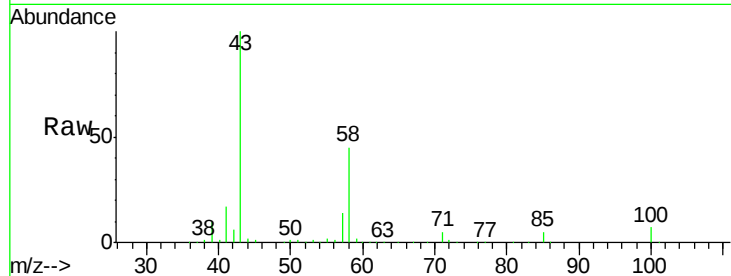




#59
2-Hexanone
Concen: 267.44 ug/l
RT: 9.80 min Scan# 973
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

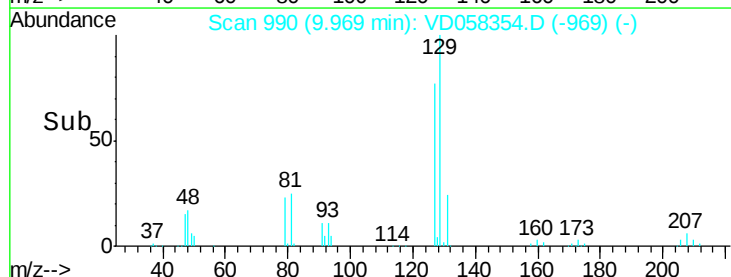
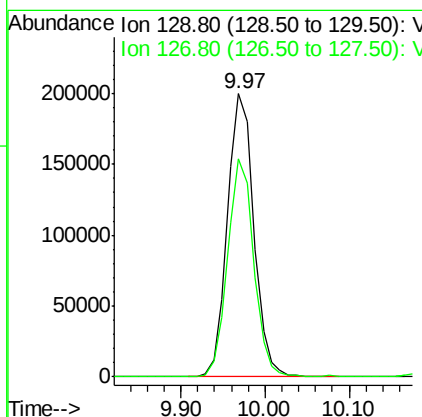
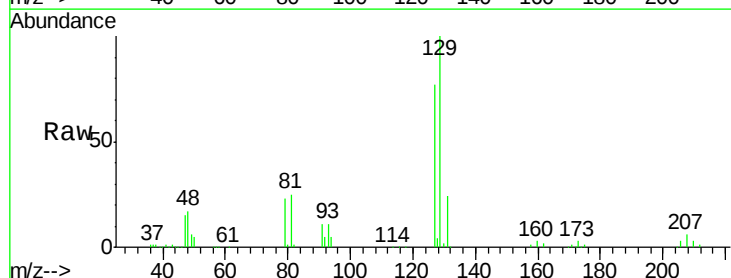
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

Tot Ion: 43 Resp: 1170640
Ion Ratio Lower Upper
43 100
58 44.7 21.7 65.1



#60
Dibromochloromethane
Concen: 54.84 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 129 Resp: 436660
Ion Ratio Lower Upper
129 100
127 77.1 39.8 119.4





#61

1,2-Dibromoethane

Concen: 51.20 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

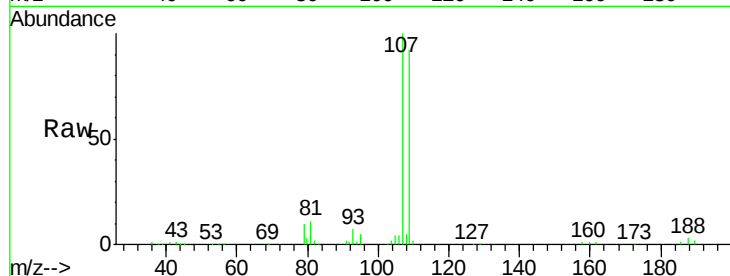
WP021SB478-15-17-180621MSD

Tot Ion: 107 Resp: 328761

Ion Ratio Lower Upper

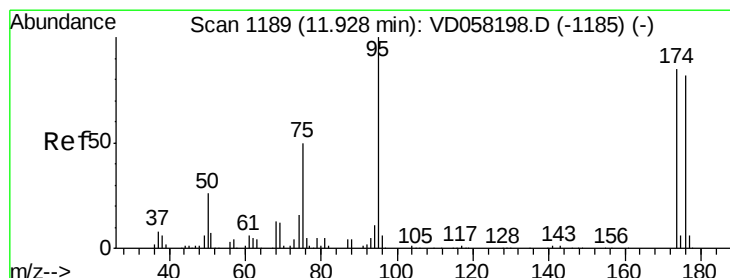
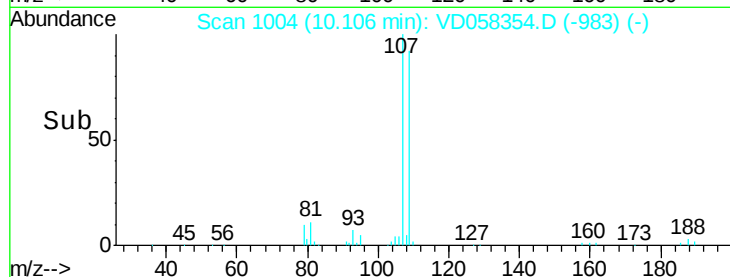
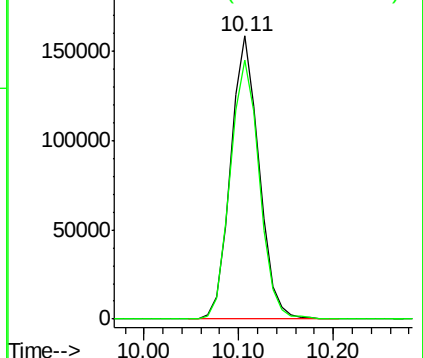
107 100

109 91.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.20 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

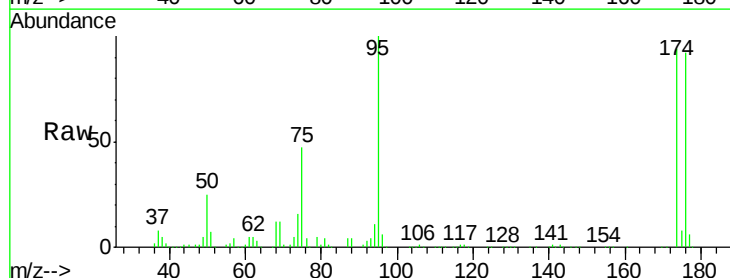
Tgt Ion: 95 Resp: 553768

Ion Ratio Lower Upper

95 100

174 94.1 0.0 170.2

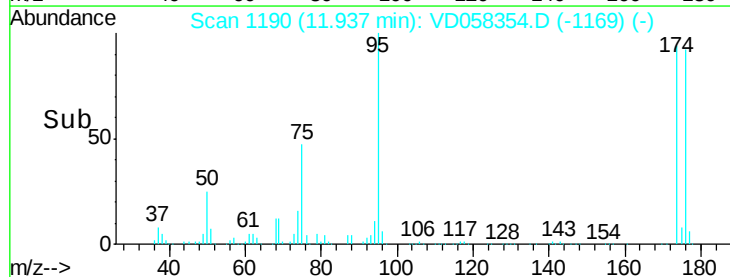
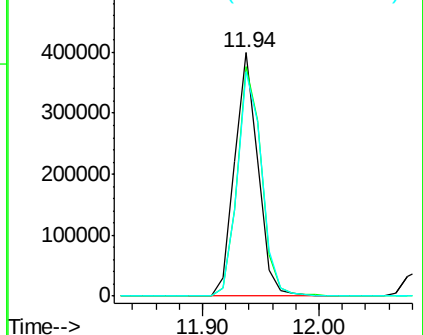
176 92.1 0.0 164.6

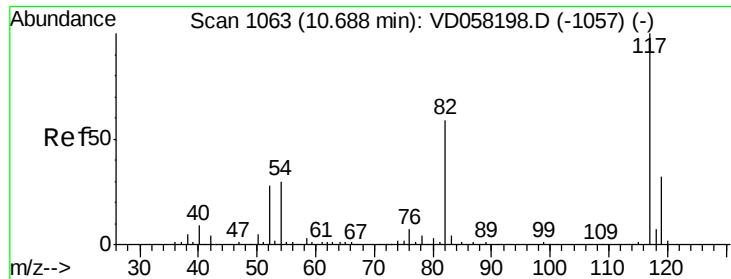


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

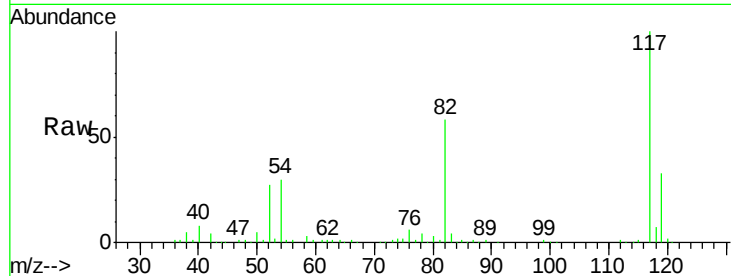
Tot Ion:117 Resp: 953643

Ion Ratio Lower Upper

117 100

82 58.4 47.0 70.6

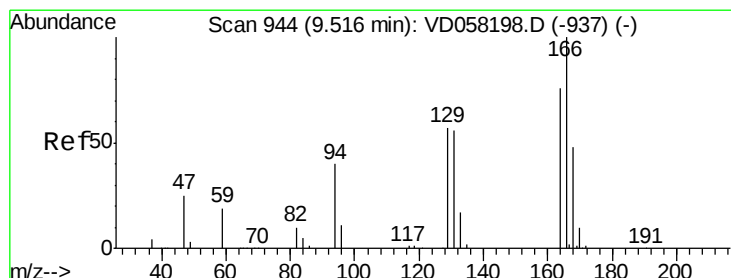
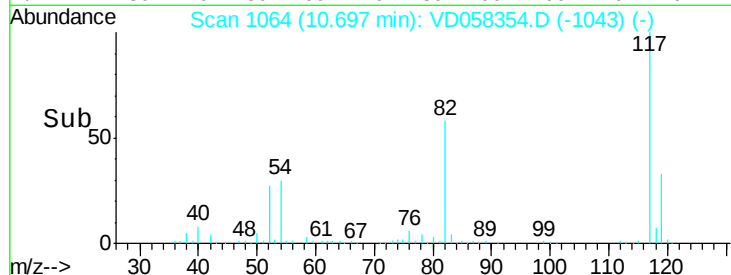
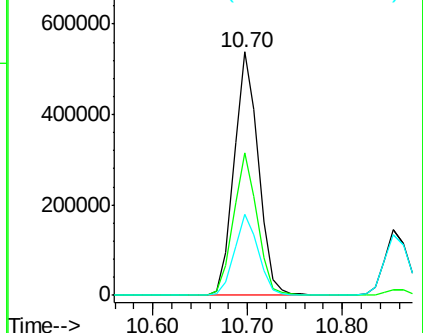
119 33.1 25.3 37.9



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 56.40 ug/l

RT: 9.53 min Scan# 945

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Tgt Ion:164 Resp: 452523

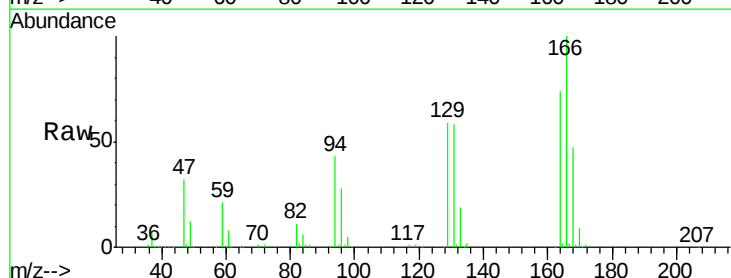
Ion Ratio Lower Upper

164 100

166 135.4 105.4 158.0

129 80.0 59.6 89.4

131 78.8 59.4 89.2

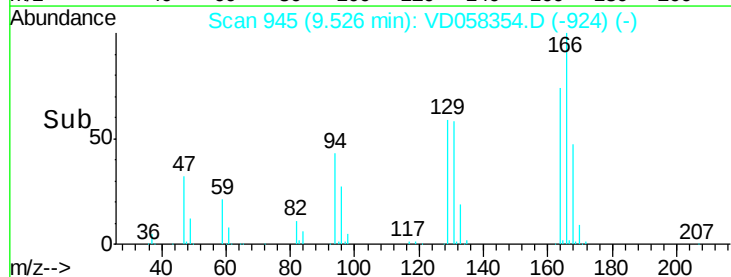
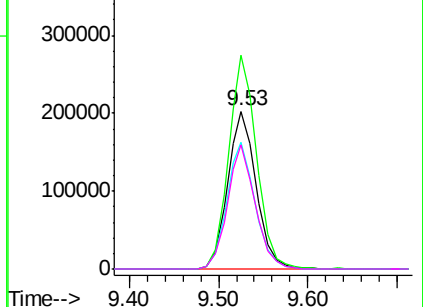


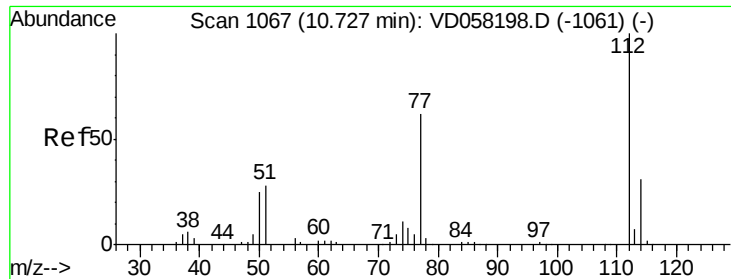
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

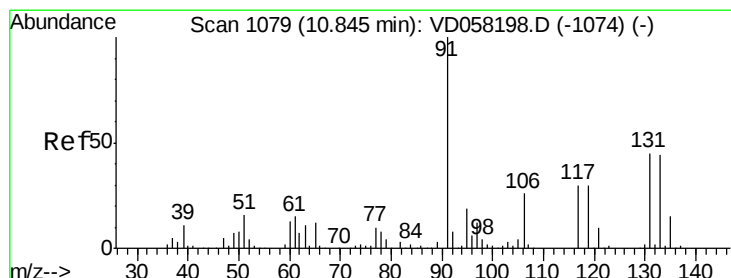
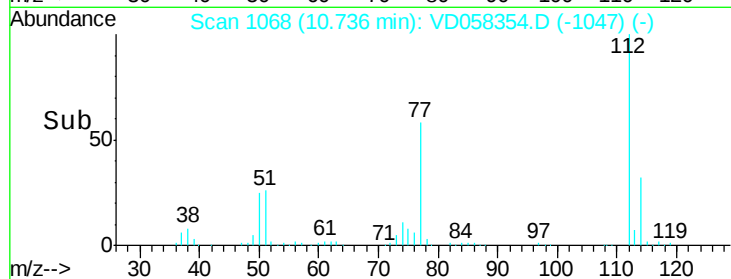
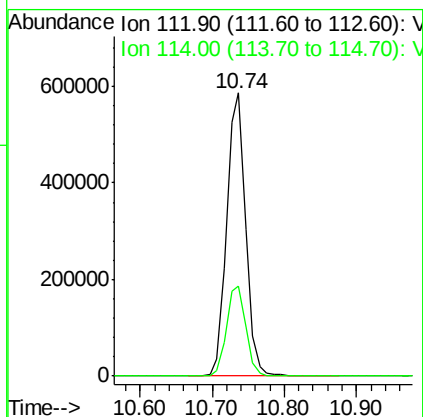
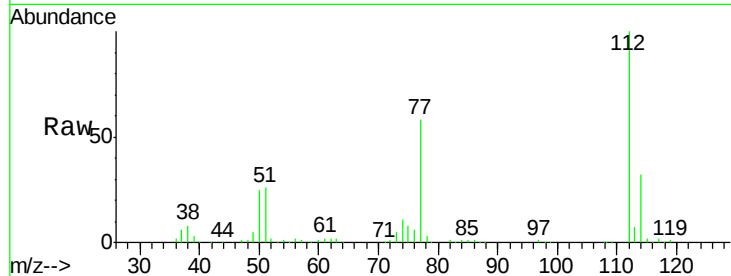




#65
Chlorobenzene
Concen: 59.70 ug/l
RT: 10.74 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

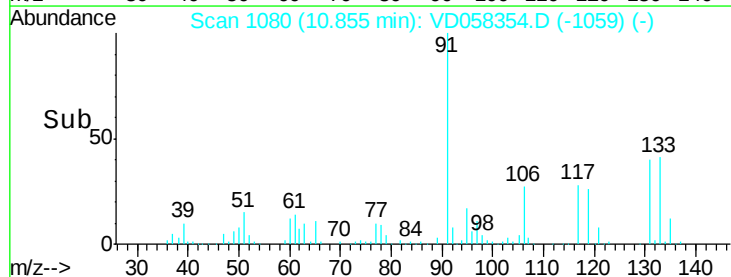
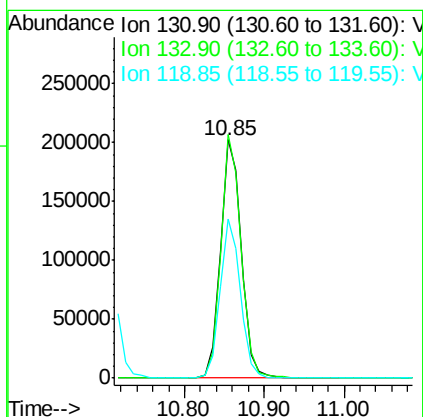
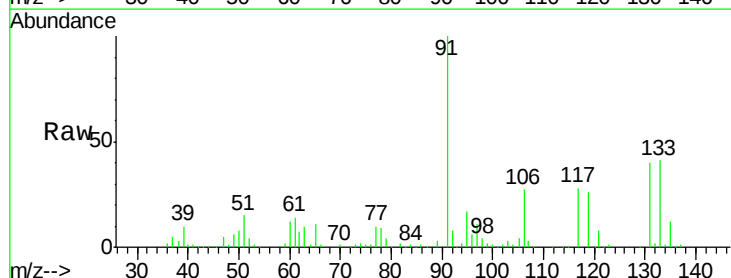
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

Tot Ion:112 Resp: 1064950
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.09 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion:131 Resp: 372359
Ion Ratio Lower Upper
131 100
133 102.3 48.6 145.9
119 66.7 33.0 99.0

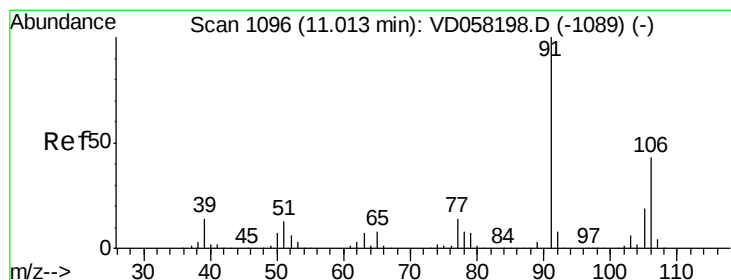
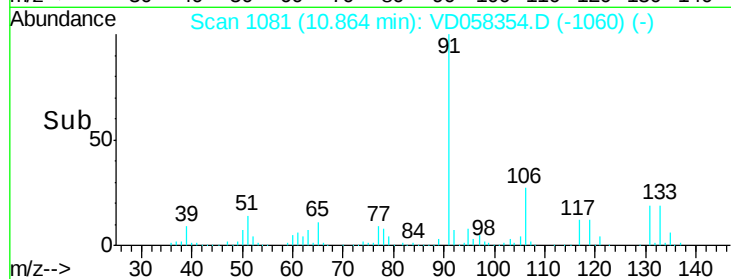
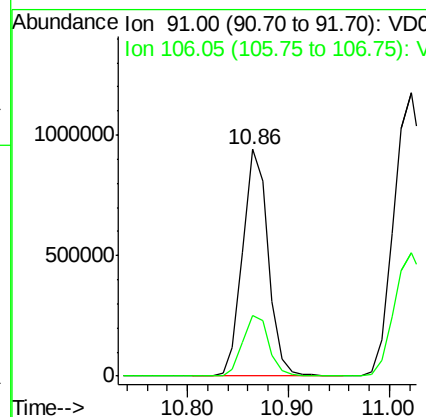
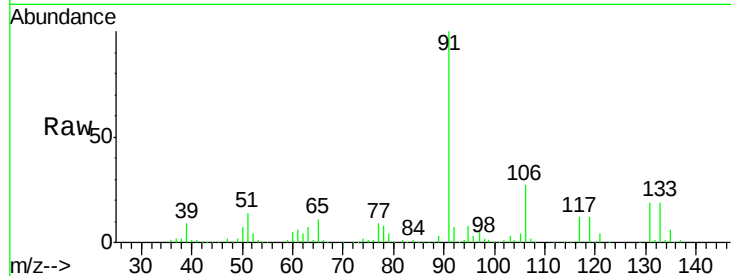




#67
Ethyl Benzene
Concen: 52.61 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

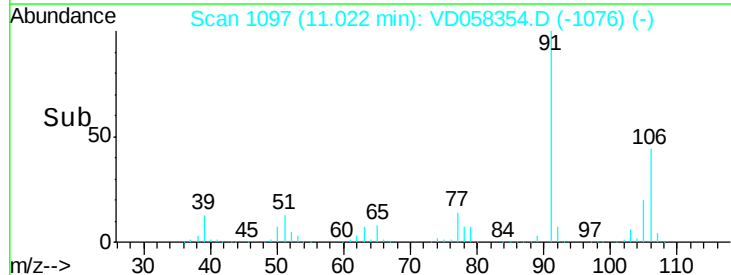
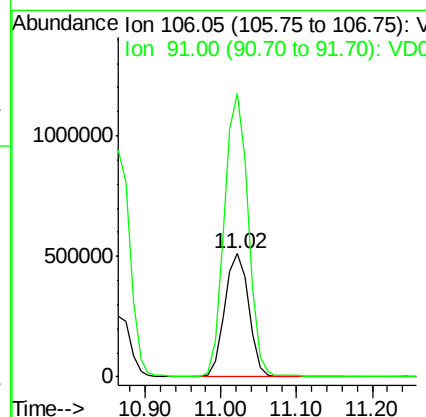
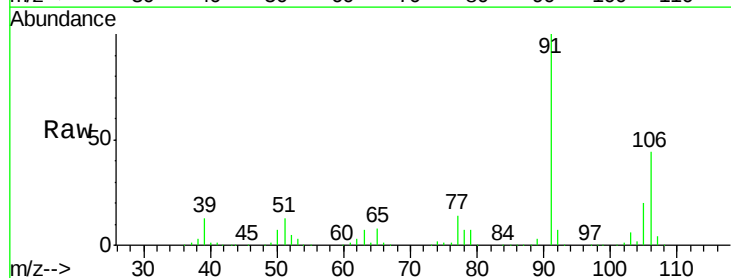
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

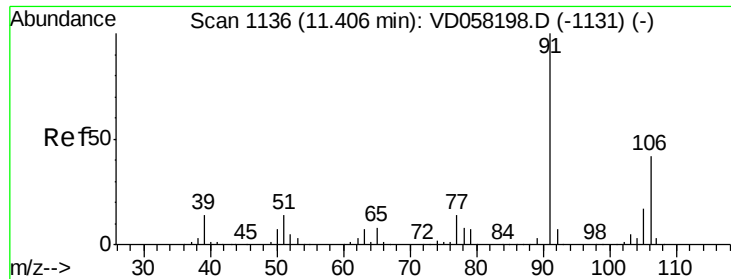
Tot Ion: 91 Resp: 1656977
Ion Ratio Lower Upper
91 100
106 26.8 22.0 33.0



#68
m/p-Xylenes
Concen: 108.41 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion:106 Resp: 1138575
Ion Ratio Lower Upper
106 100
91 229.6 185.0 277.6

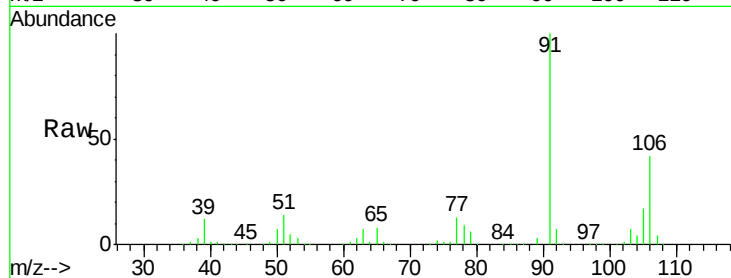




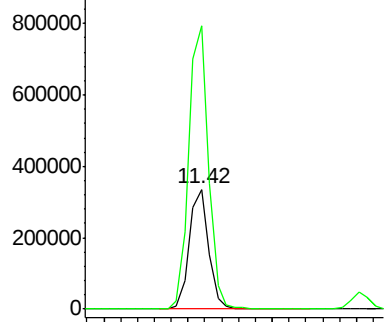
#69
o-Xylene
Concen: 53.66 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

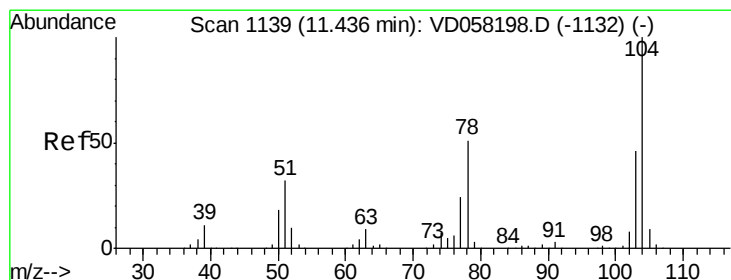
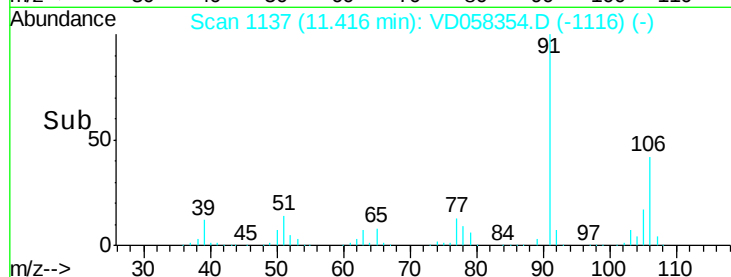
Tot Ion:106 Resp: 538290
Ion Ratio Lower Upper
106 100
91 236.0 120.2 360.6



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

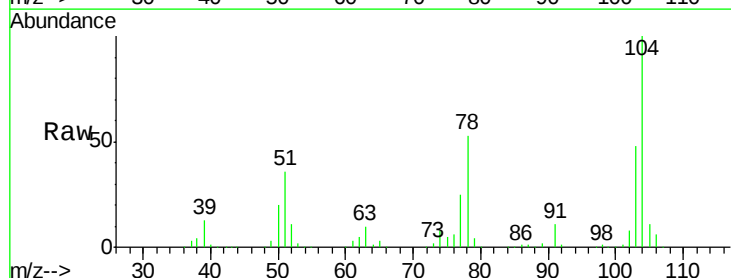


Time--> 11.30 11.40 11.50 11.60

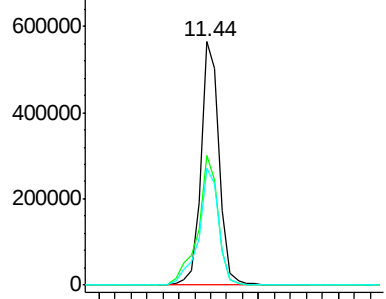


#70
Styrene
Concen: 52.96 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

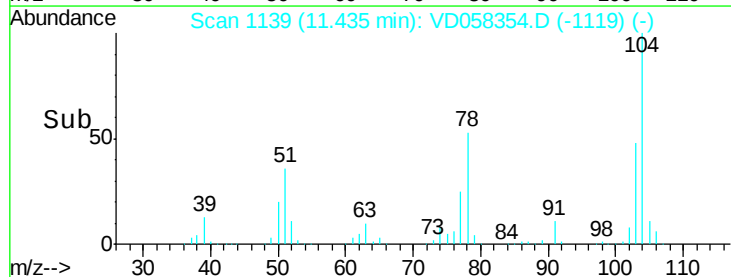
Tgt Ion:104 Resp: 906403
Ion Ratio Lower Upper
104 100
78 53.3 40.8 61.2
103 47.9 37.0 55.6

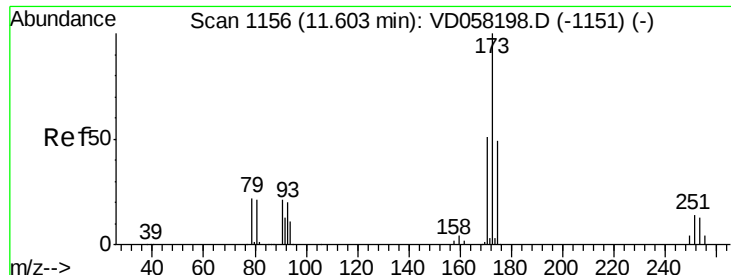


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time--> 11.30 11.40 11.50 11.60

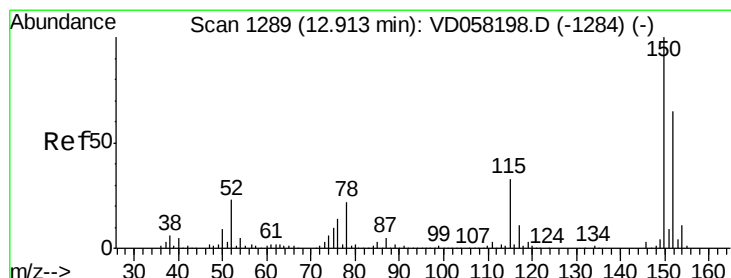
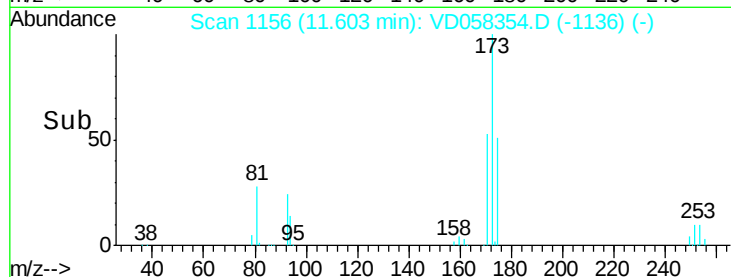
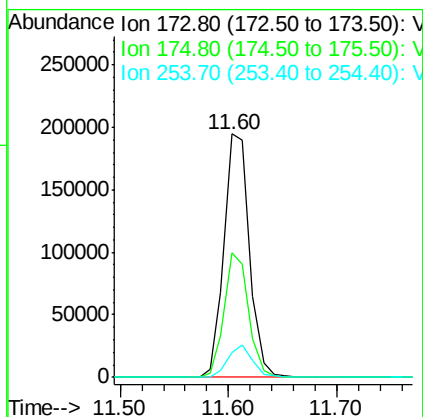
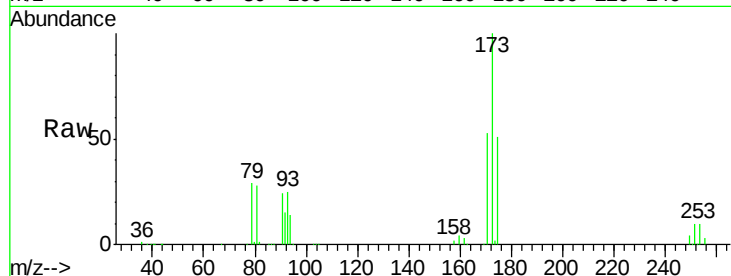




#71
Bromoform
Concen: 57.97 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

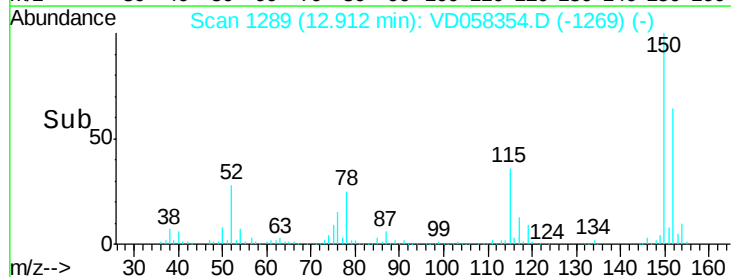
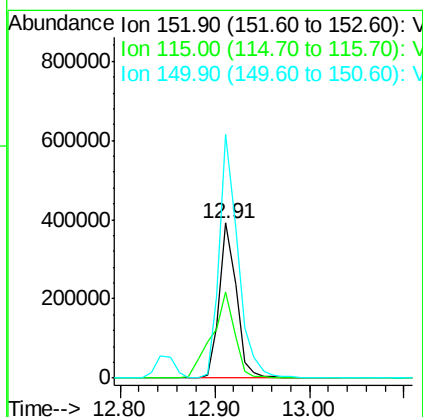
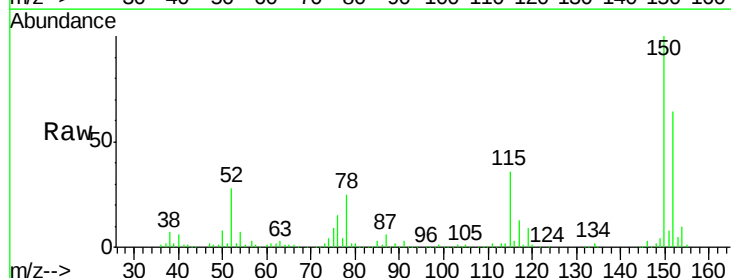
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

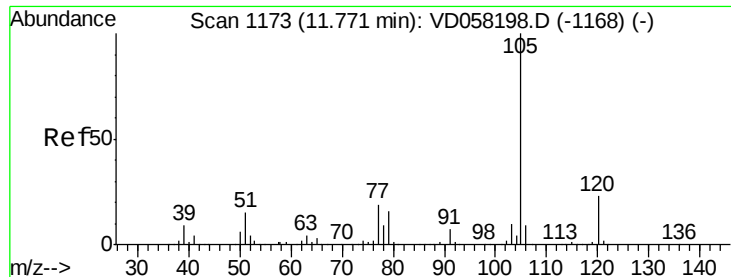
Tot Ion:173 Resp: 318332
Ion Ratio Lower Upper
173 100
175 50.9 24.6 74.0
254 10.1 10.3 15.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion:152 Resp: 493019
Ion Ratio Lower Upper
152 100
115 55.9 25.1 75.3
150 156.9 0.0 308.8





#73

Isopropylbenzene

Concen: 53.04 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

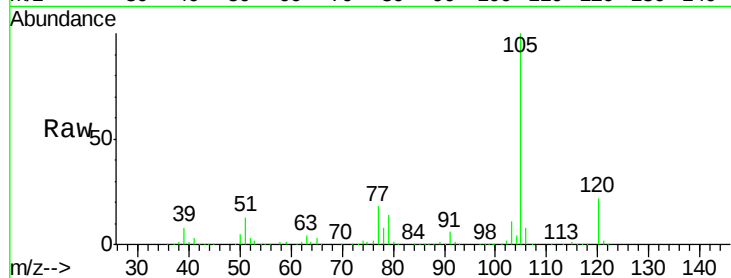
WP021SB478-15-17-180621MSD

Tot Ion:105 Resp: 1564184

Ion Ratio Lower Upper

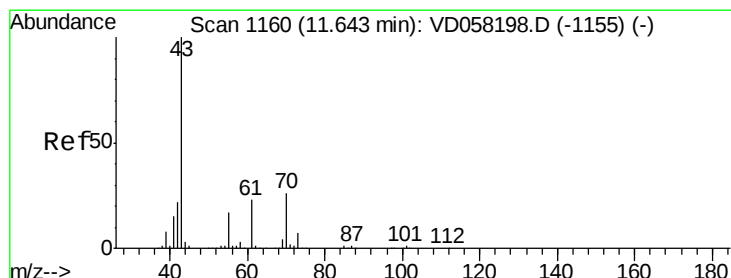
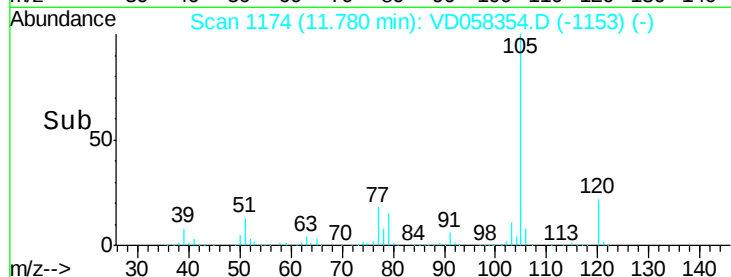
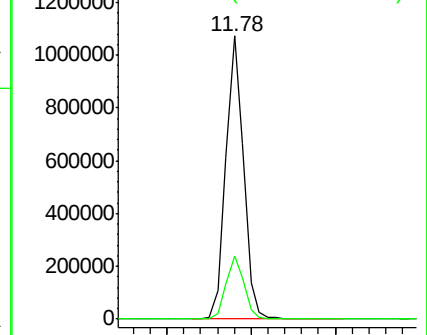
105 100

120 22.4 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 41.62 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Tgt Ion: 43 Resp: 474573

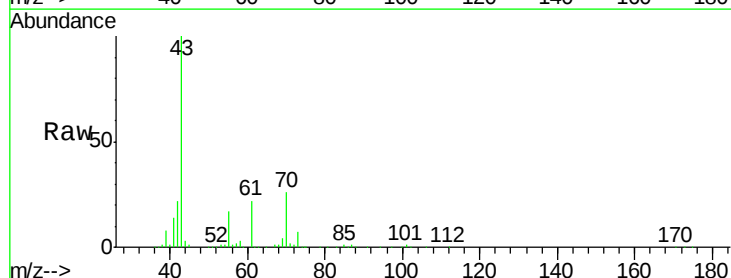
Ion Ratio Lower Upper

43 100

70 26.5 20.9 31.3

55 16.8 13.5 20.3

61 21.9 18.2 27.2

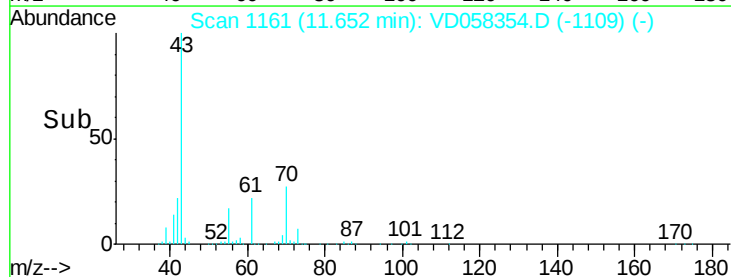
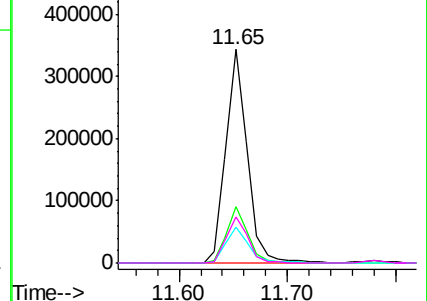


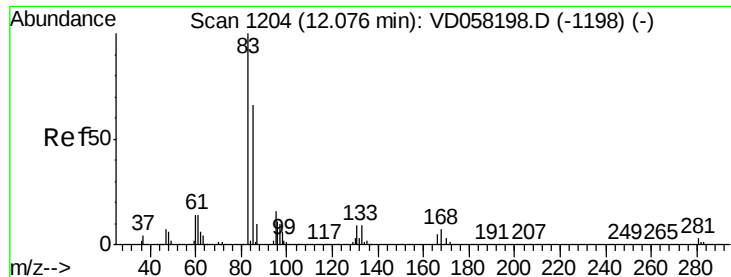
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.16 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

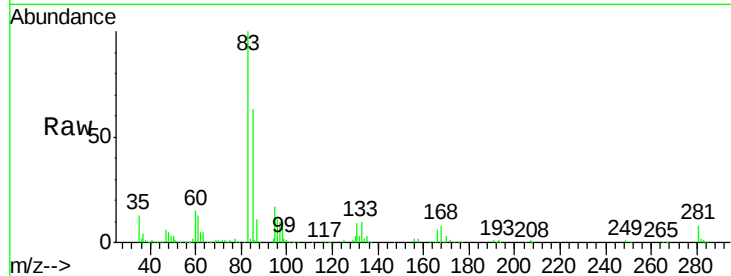
Tot Ion: 83 Resp: 364823

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

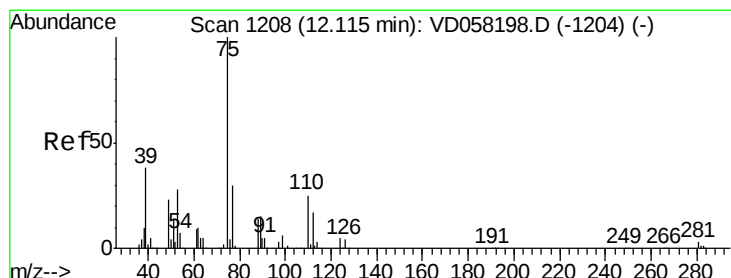
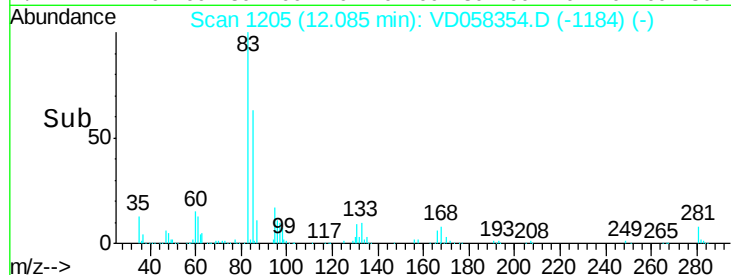
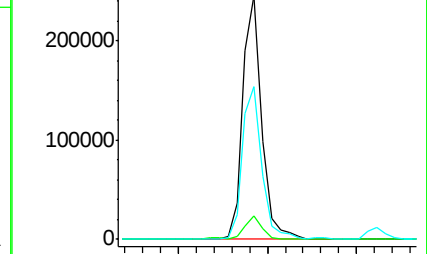
85 62.8 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.49 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058354.D

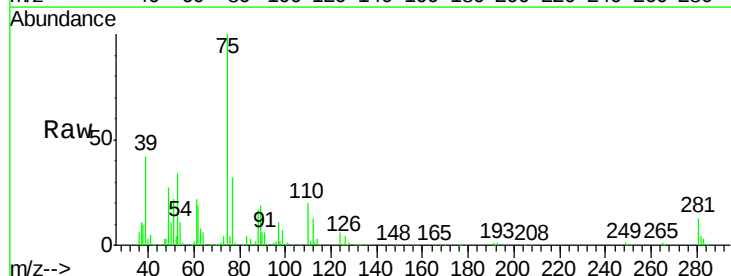
Acq: 23 Jun 2018 21:28

Tgt Ion: 75 Resp: 370668

Ion Ratio Lower Upper

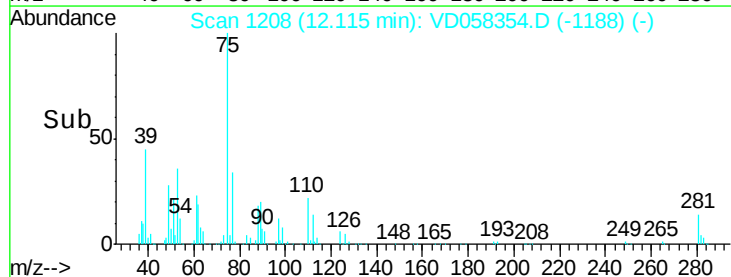
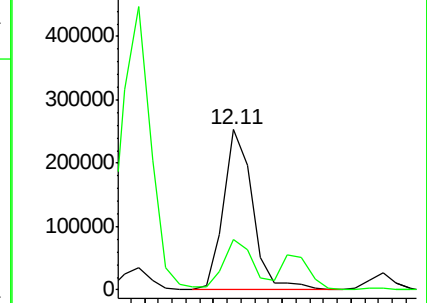
75 100

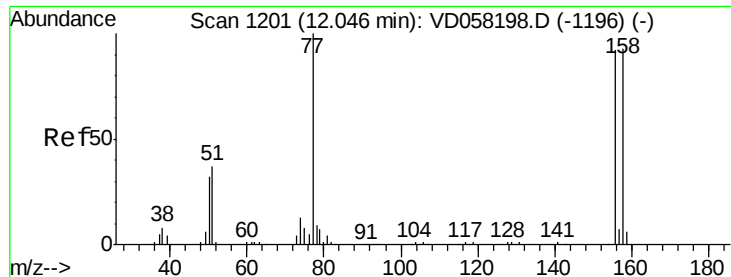
77 31.8 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 54.87 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

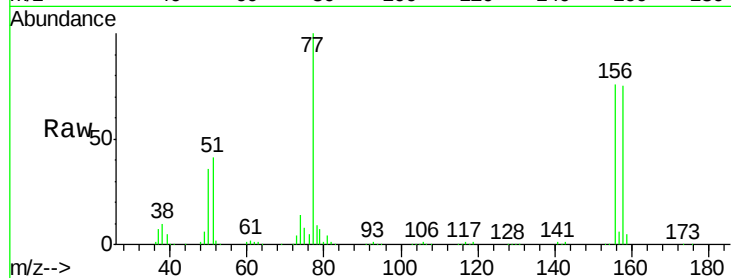
Tot Ion:156 Resp: 484565

Ion Ratio Lower Upper

156 100

77 130.8 54.5 163.6

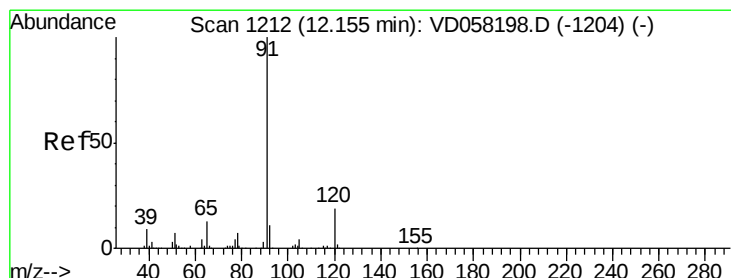
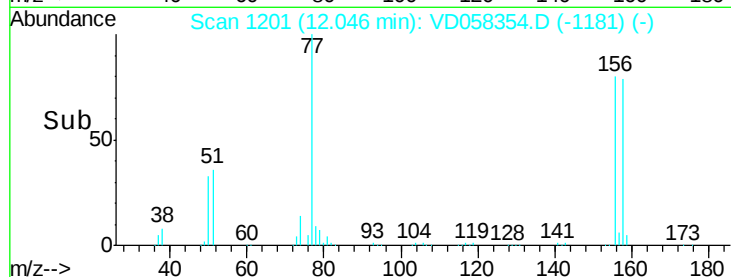
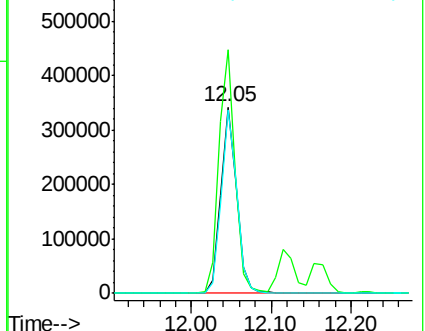
158 98.2 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.99 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058354.D

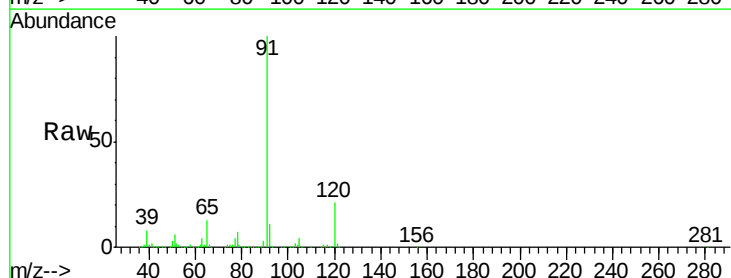
Acq: 23 Jun 2018 21:28

Tgt Ion: 91 Resp: 1979756

Ion Ratio Lower Upper

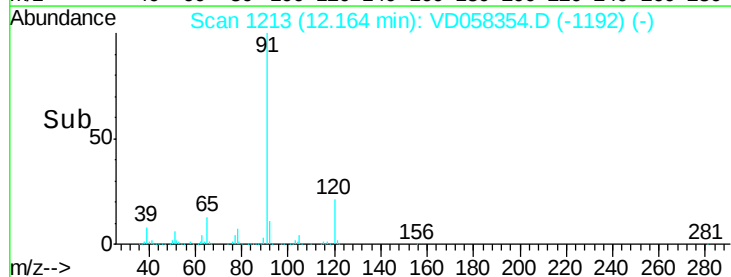
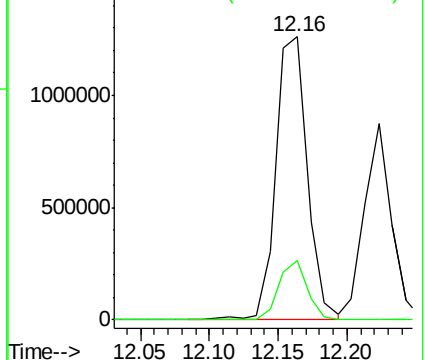
91 100

120 20.8 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

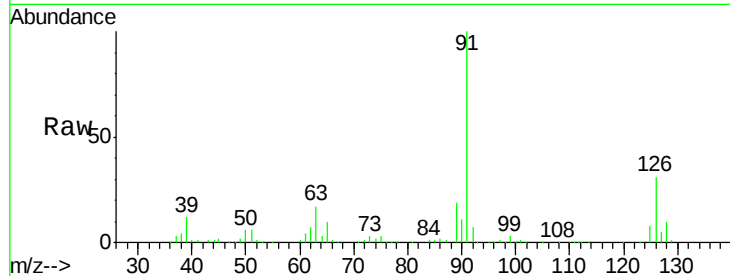




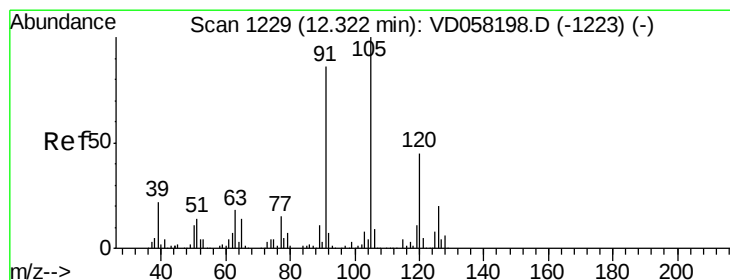
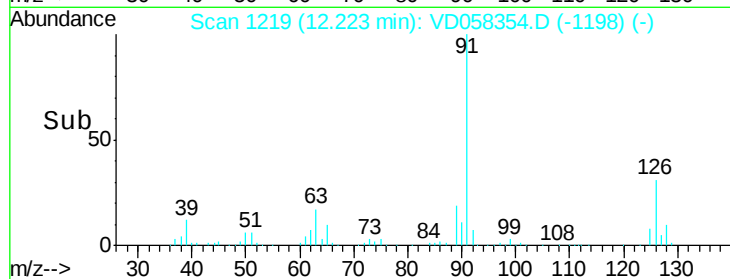
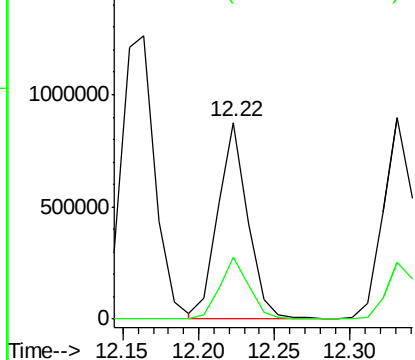
#79
2-Chlorotoluene
Concen: 54.67 ug/l
RT: 12.22 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

Tot Ion: 91 Resp: 1191375
Ion Ratio Lower Upper
91 100
126 31.4 14.9 44.5

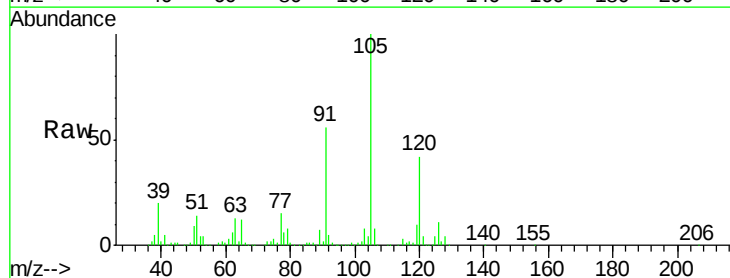


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

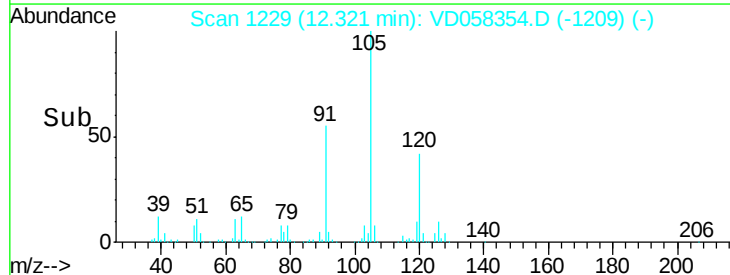
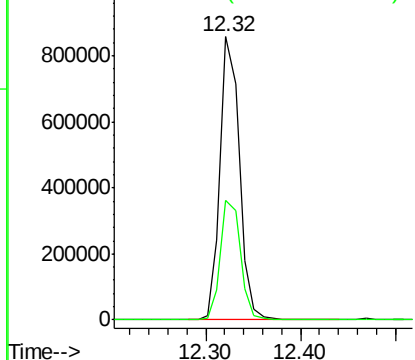


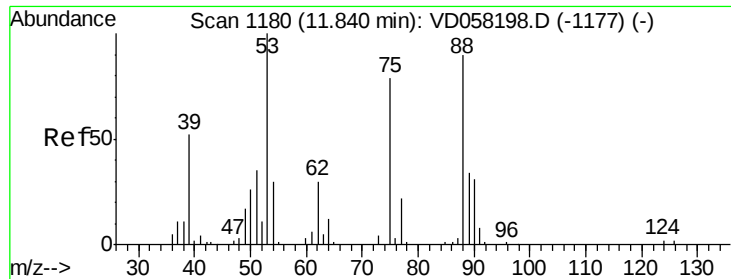
#80
1,3,5-Trimethylbenzene
Concen: 52.94 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion:105 Resp: 1217663
Ion Ratio Lower Upper
105 100
120 42.3 22.5 67.5



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: 51.82 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

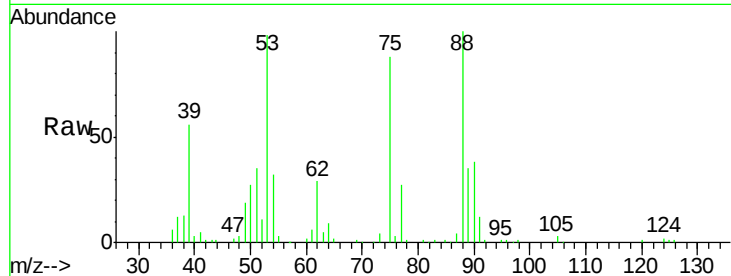
Tot Ion: 75 Resp: 90982

Ion Ratio Lower Upper

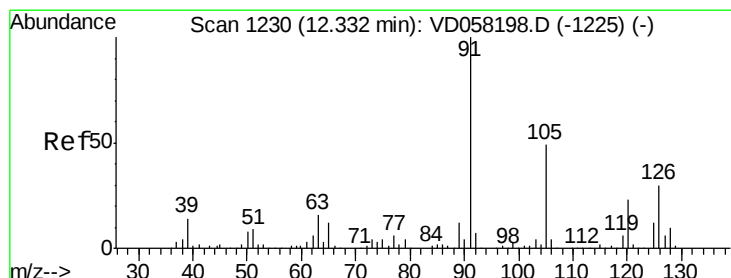
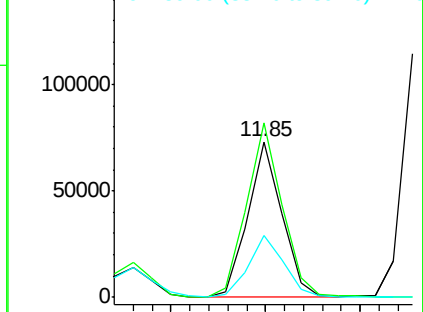
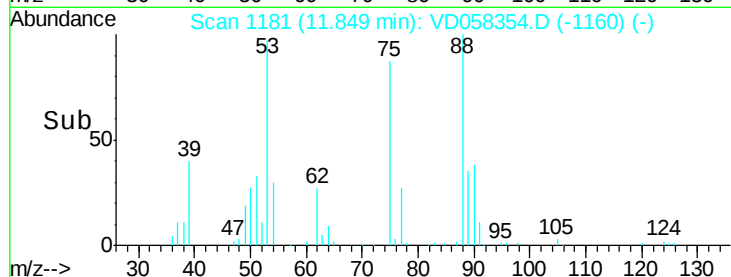
75 100

53 112.4 100.8 151.2

89 39.8 34.6 52.0



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



#82

4-Chlorotoluene

Concen: 60.01 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058354.D

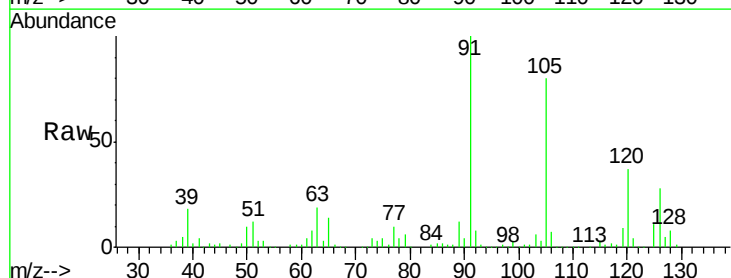
Acq: 23 Jun 2018 21:28

Tgt Ion: 91 Resp: 1251317

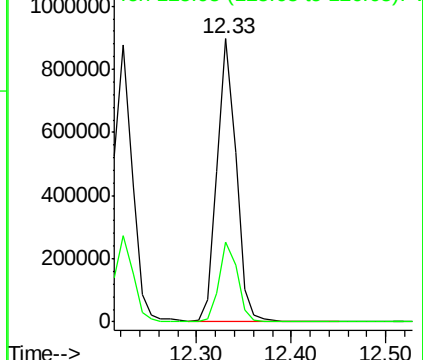
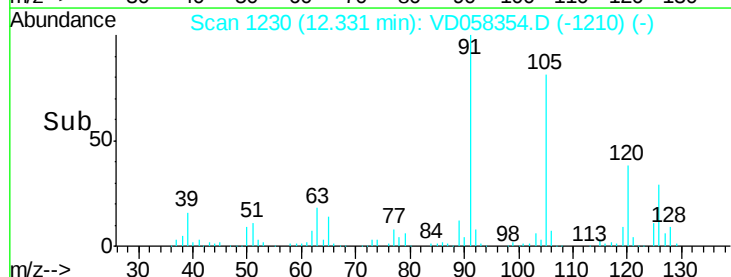
Ion Ratio Lower Upper

91 100

126 28.2 14.9 44.9



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

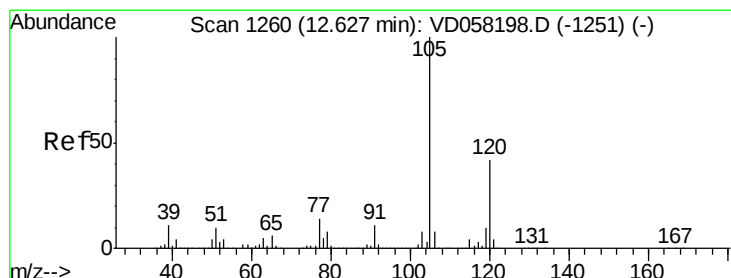
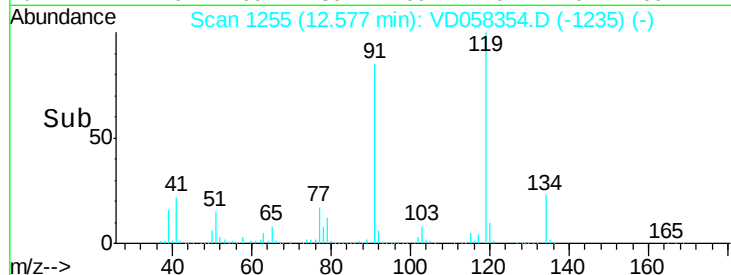
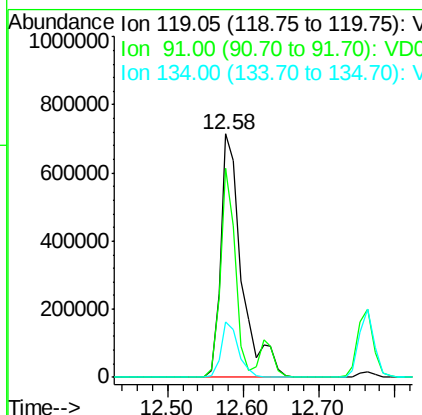
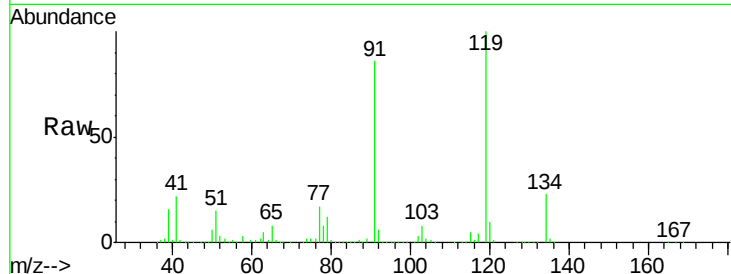




#83
 tert-Butylbenzene
 Concen: 52.59 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

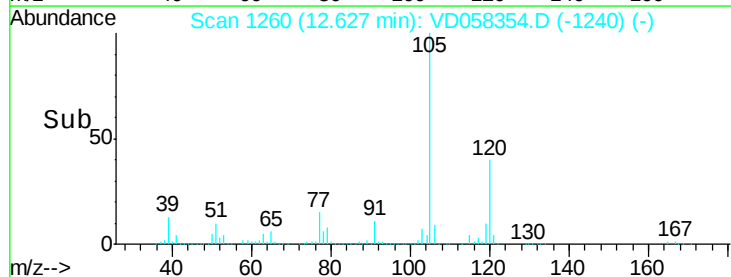
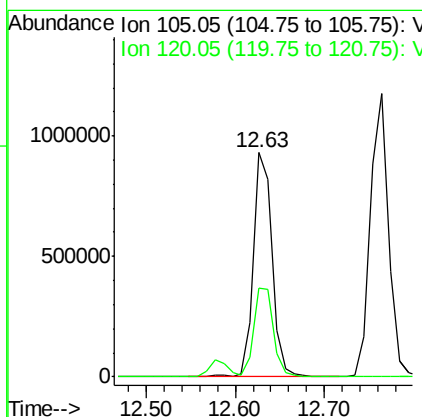
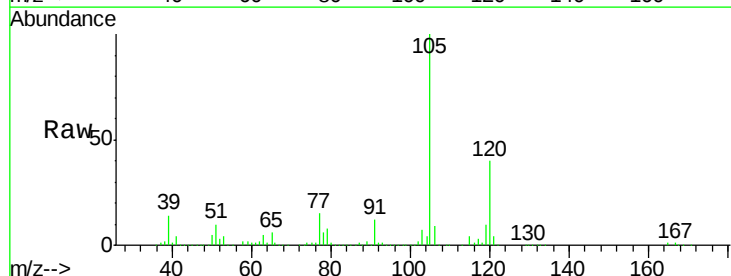
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

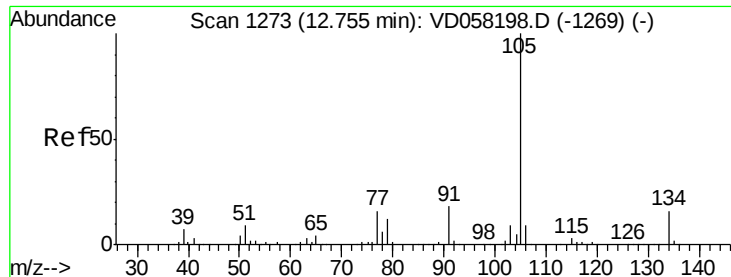
Tot Ion:119 Resp: 1390588
 Ion Ratio Lower Upper
 119 100
 91 85.9 38.9 116.6
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 53.10 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion:105 Resp: 1327678
 Ion Ratio Lower Upper
 105 100
 120 39.6 20.8 62.4

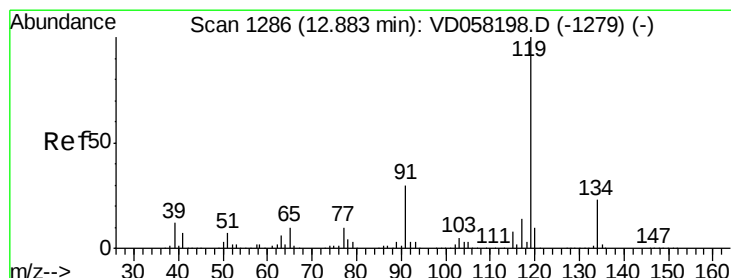
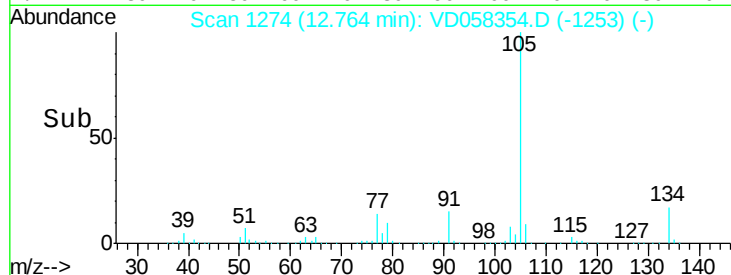
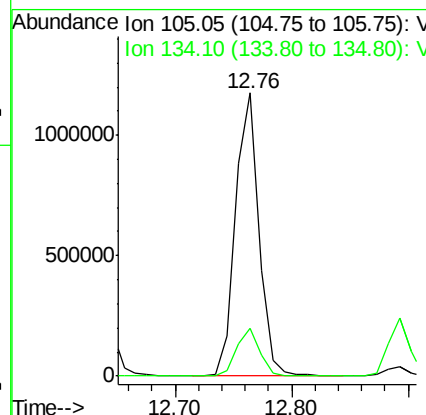
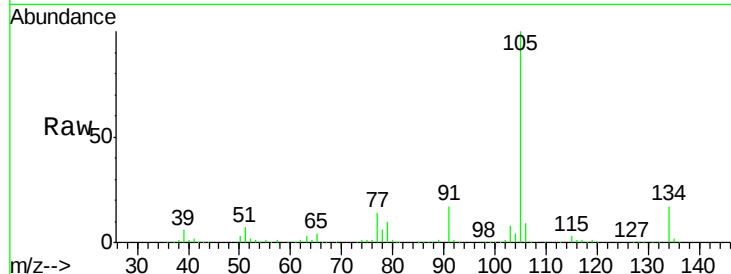




#85
 sec-Butylbenzene
 Concen: 52.49 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

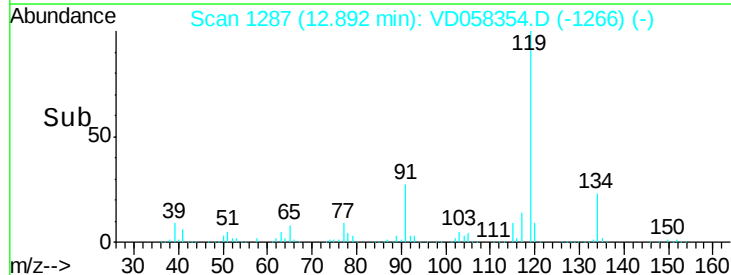
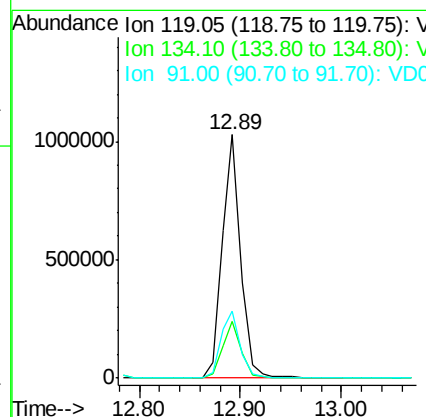
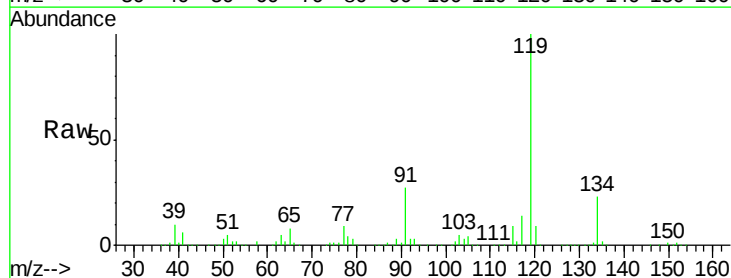
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

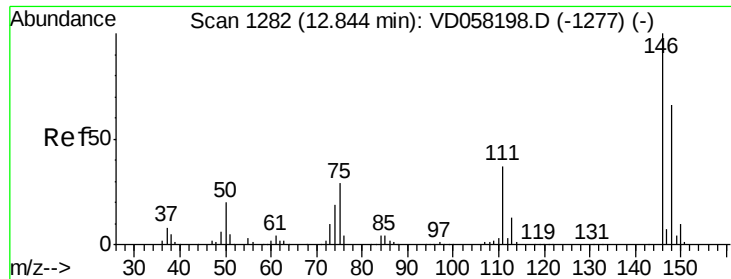
Tot Ion:105 Resp: 1627065
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 52.09 ug/l
 RT: 12.89 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion:119 Resp: 1308558
 Ion Ratio Lower Upper
 119 100
 134 23.3 11.6 34.8
 91 27.3 15.0 45.1

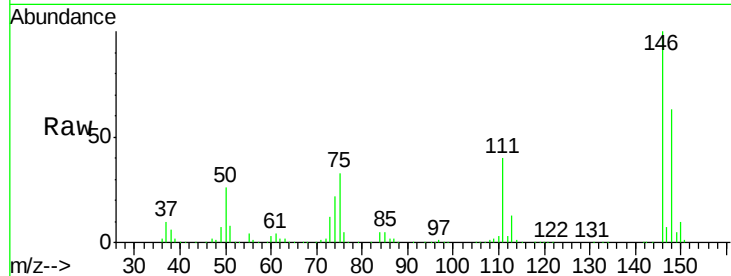




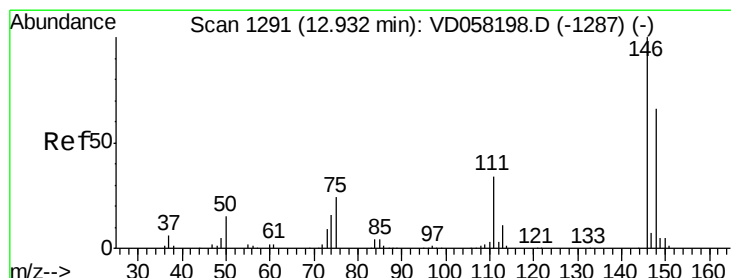
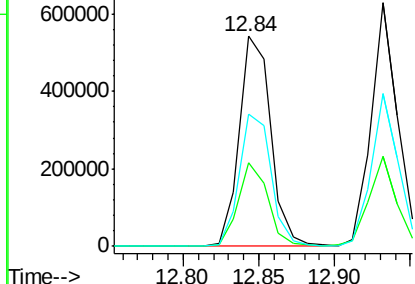
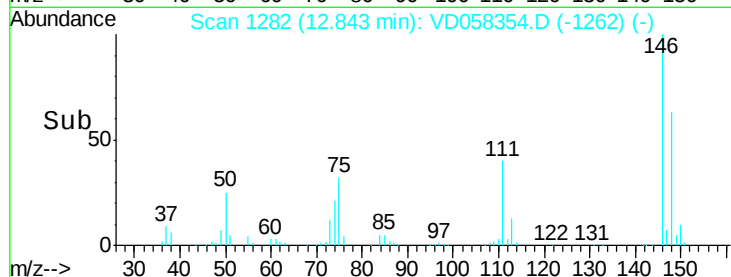
#87
 1,3-Dichlorobenzene
 Concen: 51.16 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

Tot Ion:146 Resp: 785179
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.4 55.0
 148 62.9 32.8 98.4

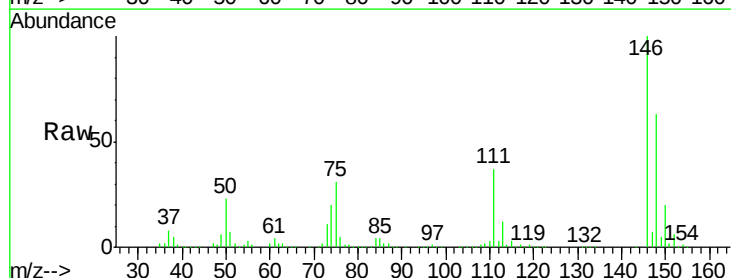


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

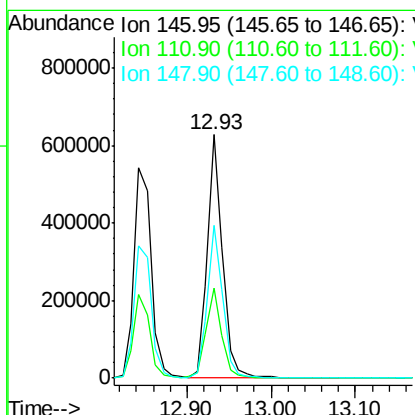
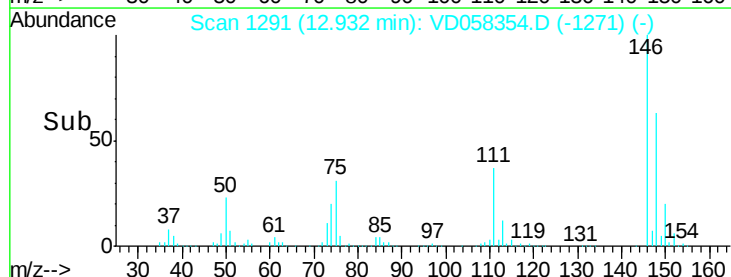


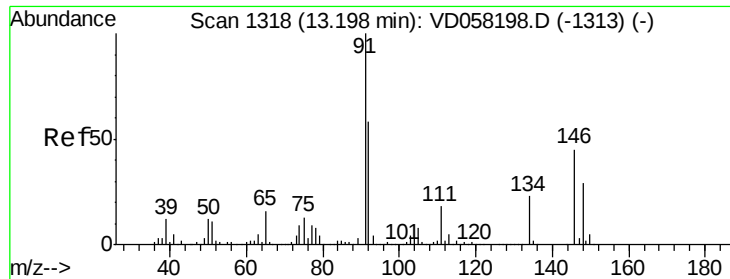
#88
 1,4-Dichlorobenzene
 Concen: 52.33 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion:146 Resp: 784282
 Ion Ratio Lower Upper
 146 100
 111 37.0 17.2 51.5
 148 62.9 33.1 99.3



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

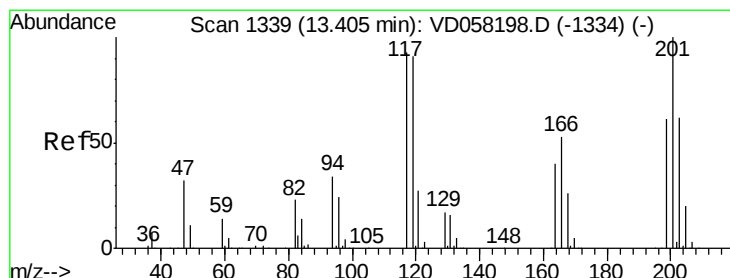
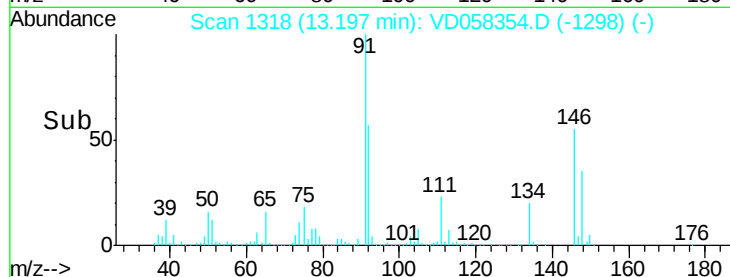
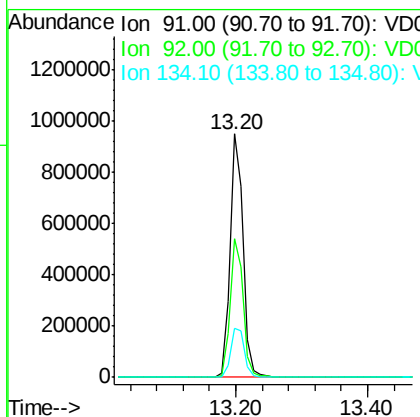
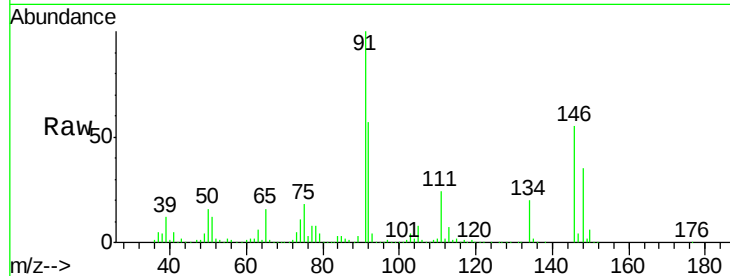




#89
n-Butylbenzene
Concen: 49.45 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

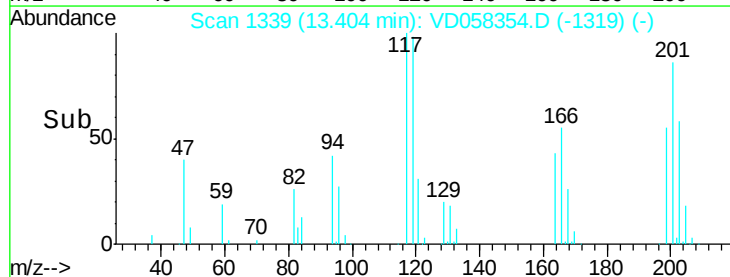
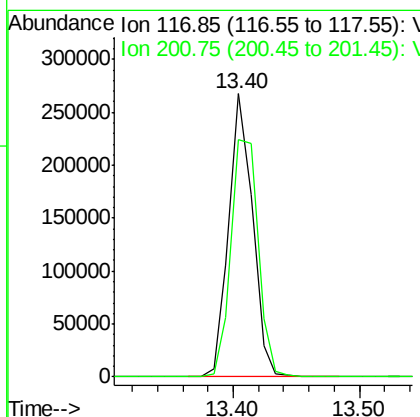
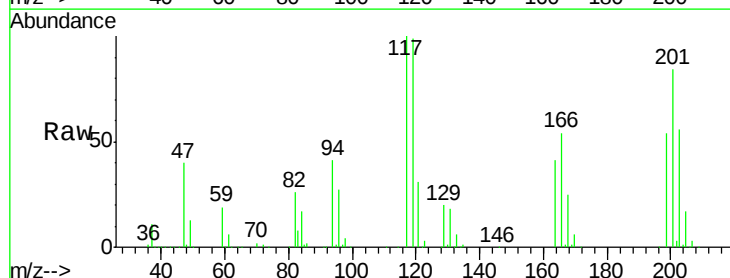
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-15-17-180621MSD

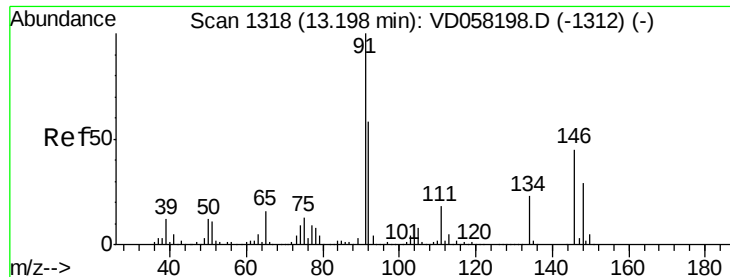
Tot Ion: 91 Resp: 1305510
Ion Ratio Lower Upper
91 100
92 57.0 29.2 87.6
134 20.0 11.3 33.8



#90
Hexachloroethane
Concen: 53.42 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058354.D
Acq: 23 Jun 2018 21:28

Tgt Ion: 117 Resp: 348280
Ion Ratio Lower Upper
117 100
201 83.7 53.8 161.4

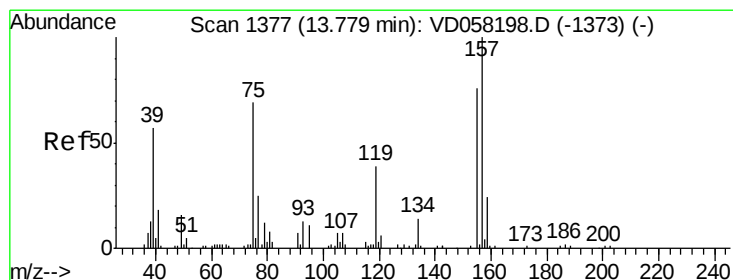
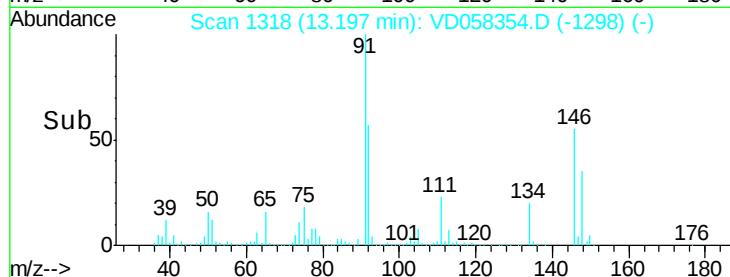
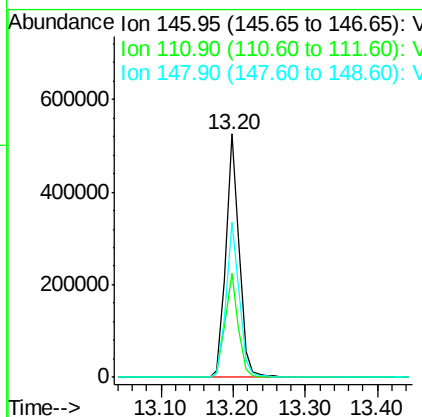
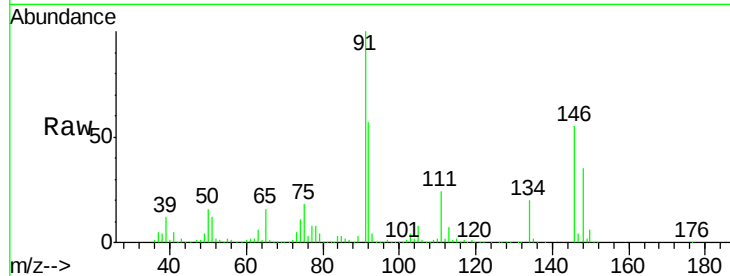




#91
 1,2-Dichlorobenzene
 Concen: 51.38 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

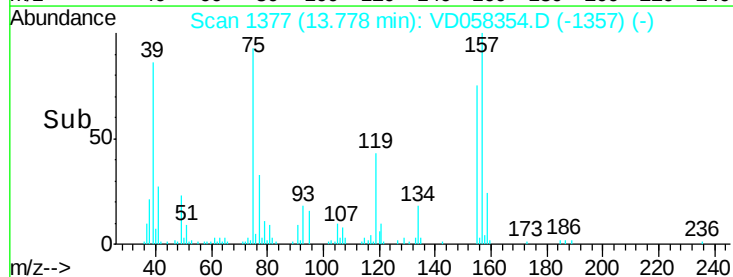
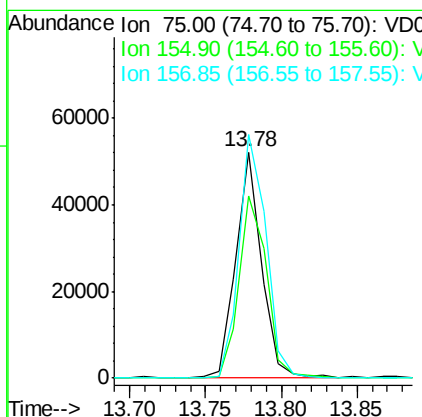
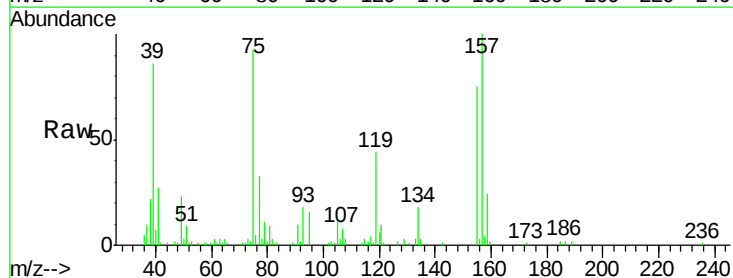
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-15-17-180621MSD

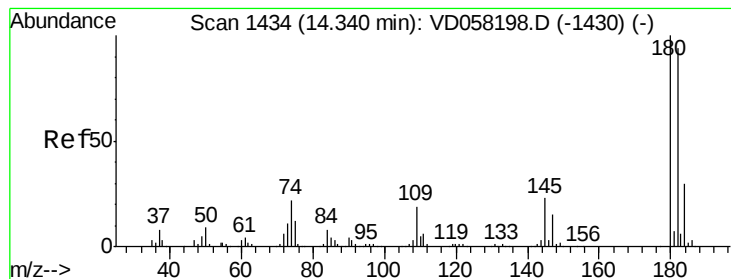
Tot Ion:146 Resp: 671096
 Ion Ratio Lower Upper
 146 100
 111 42.7 19.6 58.7
 148 63.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.20 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD058354.D
 Acq: 23 Jun 2018 21:28

Tgt Ion: 75 Resp: 61377
 Ion Ratio Lower Upper
 75 100
 155 80.6 54.5 163.5
 157 107.6 72.0 215.9





#93

1,2,4-Trichlorobenzene

Concen: 50.02 ug/l

RT: 14.34 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

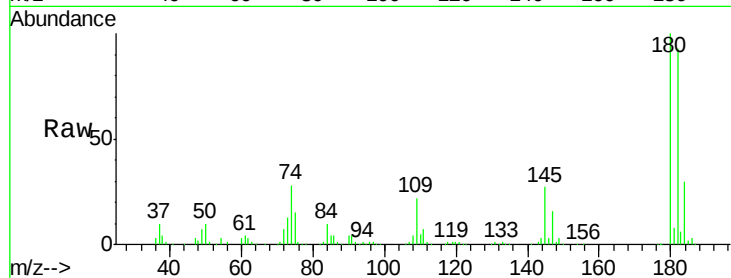
Tot Ion:180 Resp: 624910

Ion Ratio Lower Upper

180 100

182 93.2 47.1 141.3

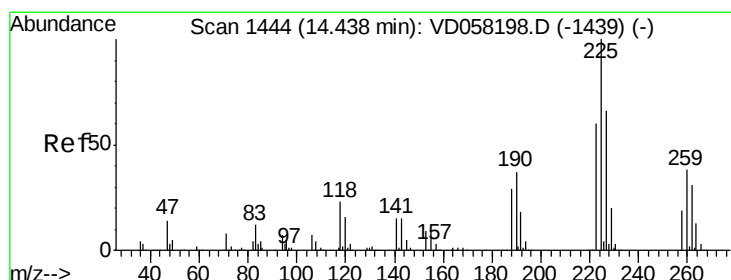
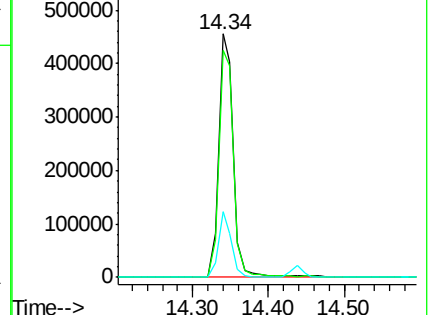
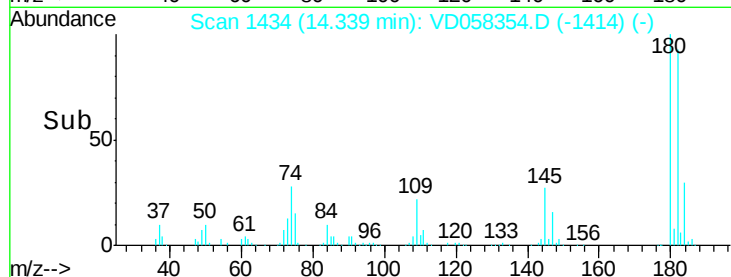
145 26.8 11.7 35.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94

Hexachlorobutadiene

Concen: 47.03 ug/l

RT: 14.44 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

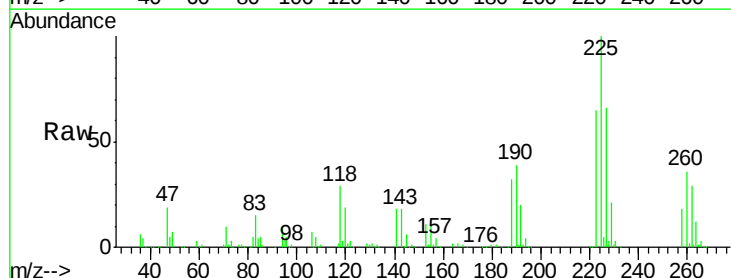
Tgt Ion:225 Resp: 459555

Ion Ratio Lower Upper

225 100

223 65.4 30.1 90.3

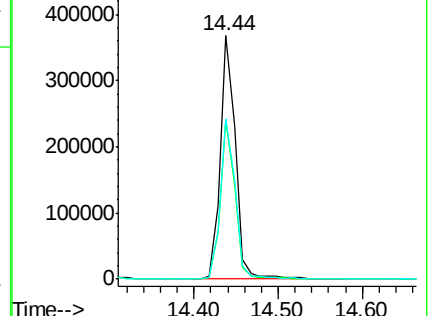
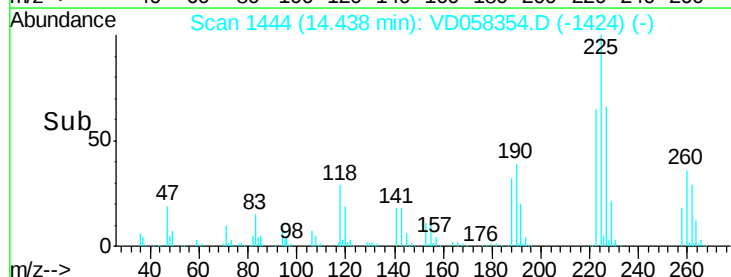
227 65.8 33.0 98.9

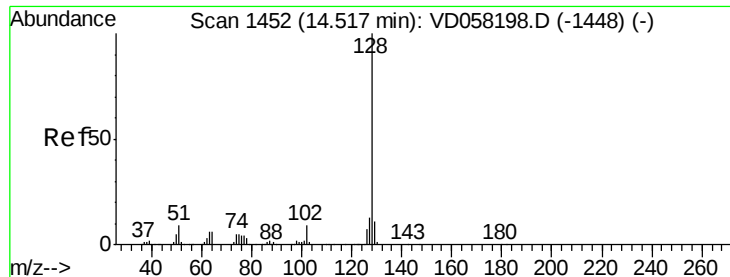


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 51.27 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-15-17-180621MSD

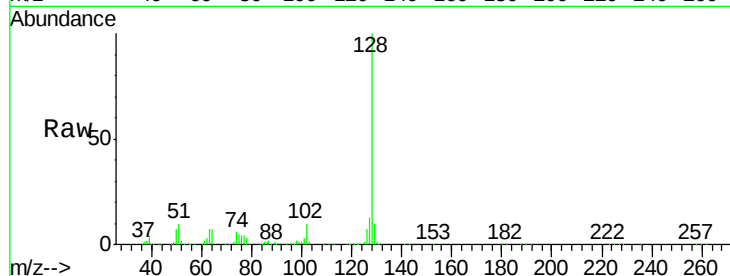
Tot Ion:128 Resp: 843647

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

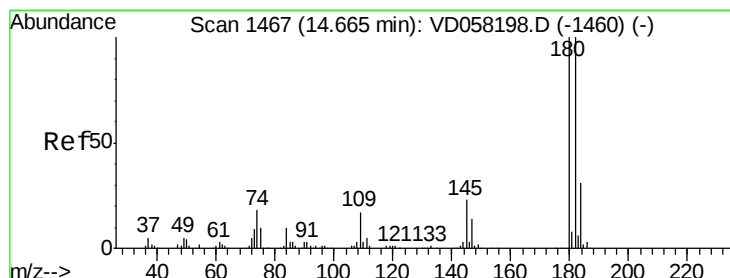
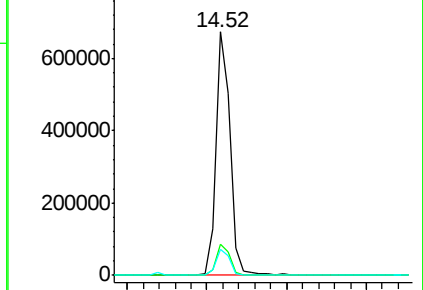
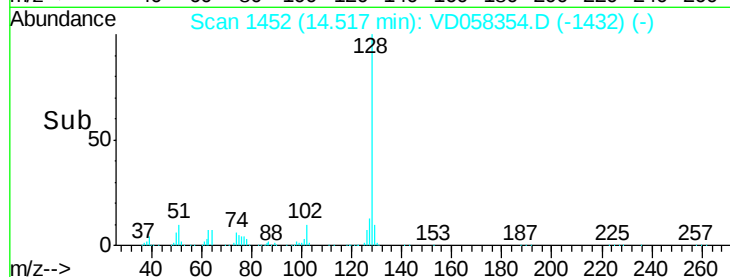
129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.56 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058354.D

Acq: 23 Jun 2018 21:28

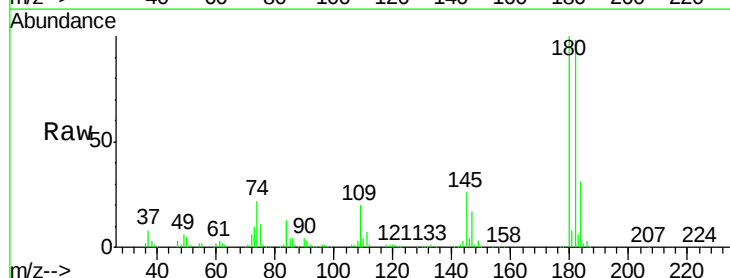
Tgt Ion:180 Resp: 520132

Ion Ratio Lower Upper

180 100

182 97.8 49.9 149.6

145 26.4 11.7 35.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

