

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062598.D
 Acq On : 4 Jun 2019 15:04
 Operator : FY/SY
 Sample : VD0604SBL01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 05 03:47:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	941073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1208117	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	997703	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	491909	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	522466	47.35	ug/l	-0.02
Spiked Amount				50.000		
Recovery						94.70%
35) Dibromofluoromethane	6.93	113	550950	50.04	ug/l	0.00
Spiked Amount				50.000		
Recovery						100.08%
50) Toluene-d8	10.40	98	1191036	49.38	ug/l	-0.02
Spiked Amount				50.000		
Recovery						98.76%
62) 4-Bromofluorobenzene	13.55	95	509466	46.83	ug/l	0.00
Spiked Amount				50.000		
Recovery						93.66%

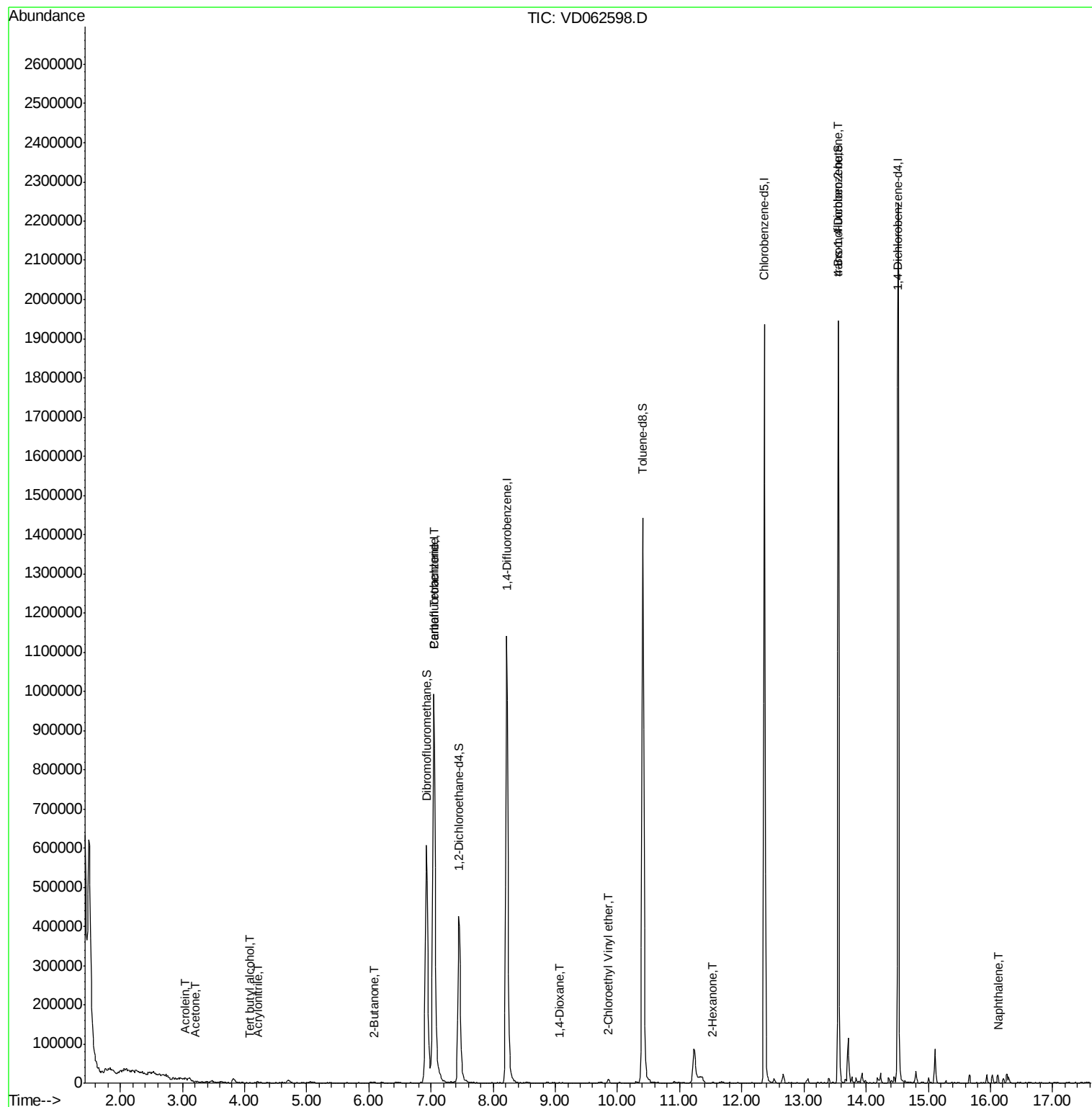
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.76	50	2143	Below Cal		# 43
11) Tert butyl alcohol	4.08	59	608	1.292	ug/l #	80
13) Acrolein	3.04	56	631	3.077	ug/l	97
15) Acrylonitrile	4.21	53	1337	1.188	ug/l #	70
16) Acetone	3.21	43	6569	3.030	ug/l	92
25) 2-Butanone	6.08	43	2162	1.059	ug/l #	62
38) Carbon Tetrachloride	7.05	117	96928	5.413	ug/l #	17
49) 1,4-Dioxane	9.08	88	201	5.888	ug/l #	29
58) 2-Chloroethyl Vinyl ether	9.85	63	4621	1.599	ug/l	90
59) 2-Hexanone	11.52	43	3168	1.026	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.55	75	244280	144.457	ug/l #	5
95) Naphthalene	16.12	128	14321	1.014	ug/l	95

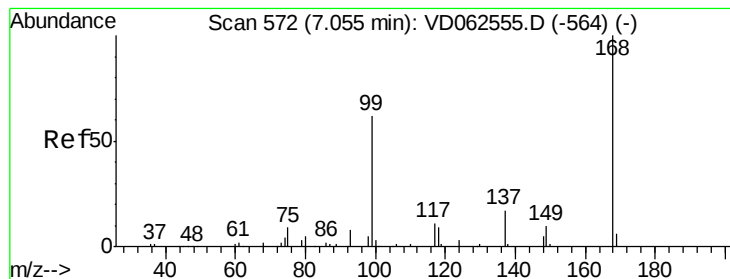
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060419\
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QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062598.D

Acq: 4 Jun 2019 15:04

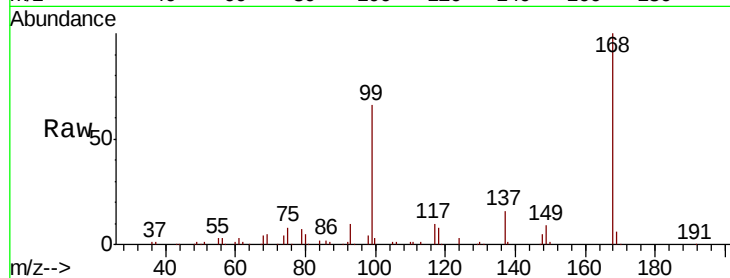
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 941073

Ion Ratio Lower Upper

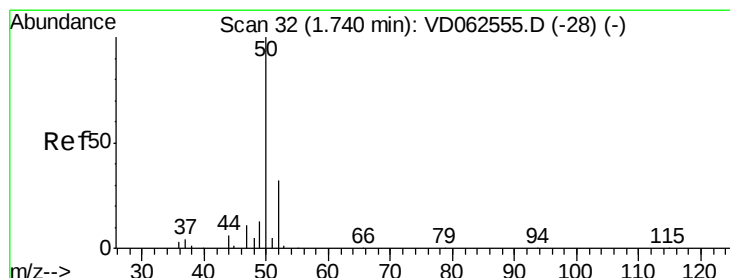
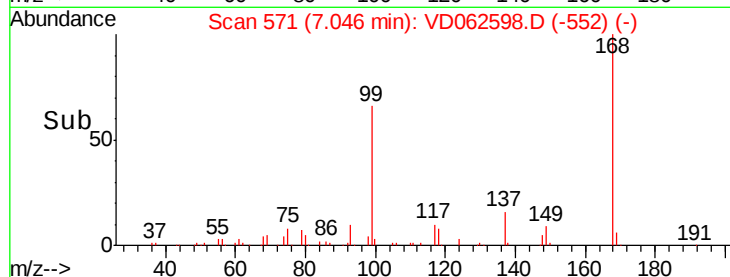
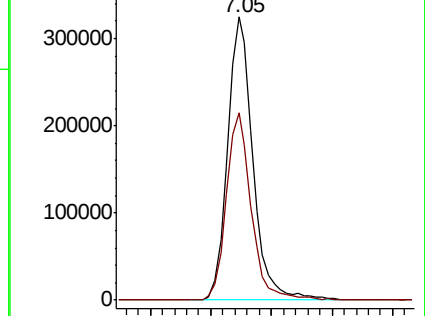
168 100

99 66.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062598.D

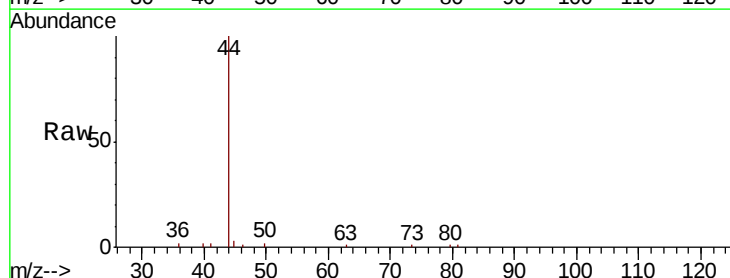
Acq: 4 Jun 2019 15:04

Tgt Ion: 50 Resp: 2143

Ion Ratio Lower Upper

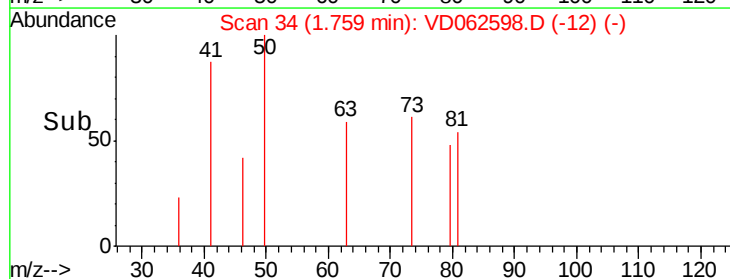
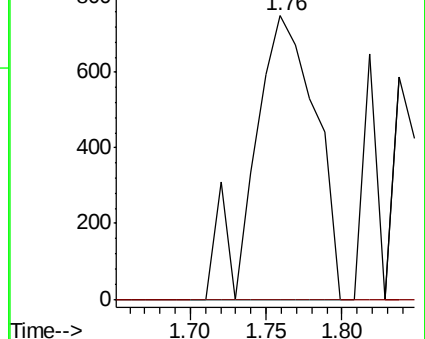
50 100

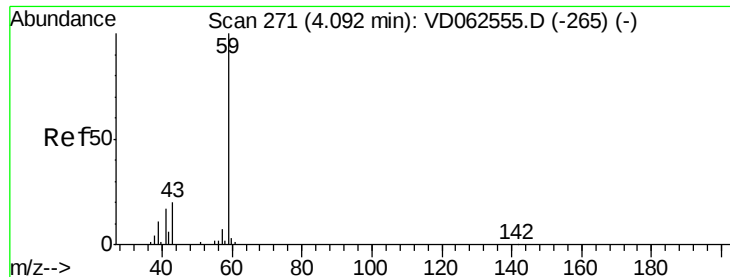
52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



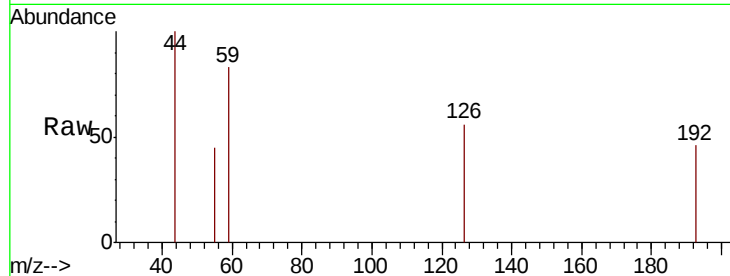


#11

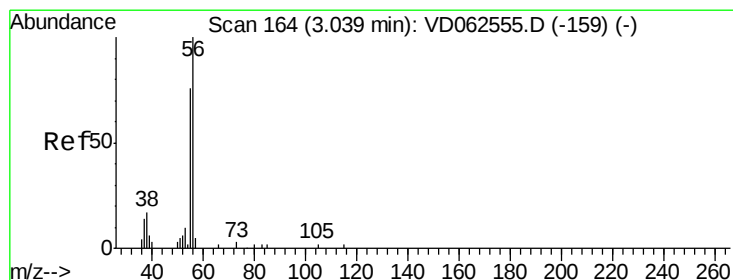
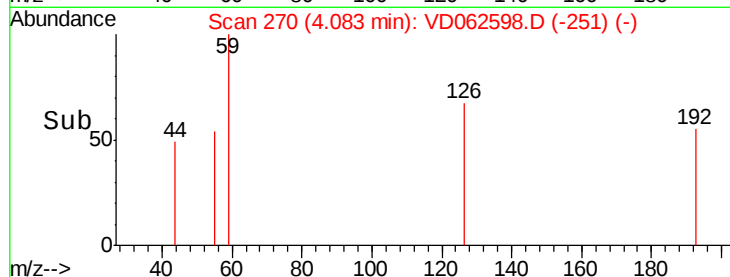
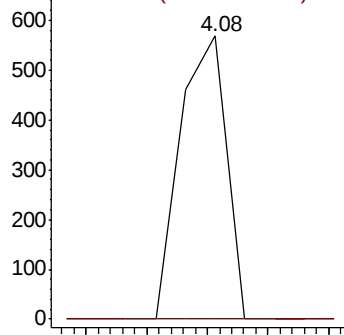
Tert butyl alcohol
 Concen: 1.292 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.01 min
 Lab File: VD062598.D
 Acq: 4 Jun 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 608
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.4 8.0#



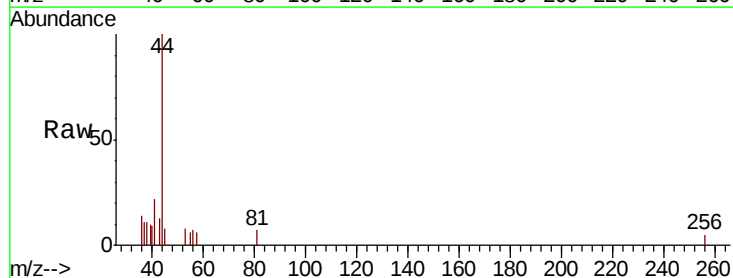
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



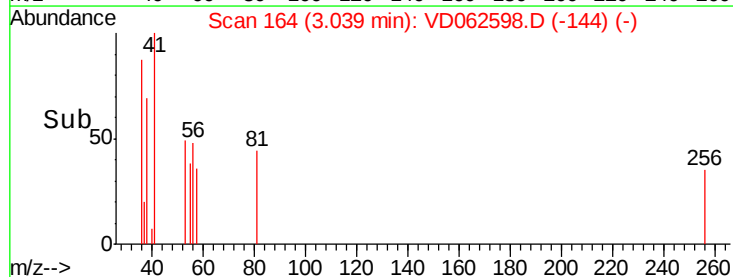
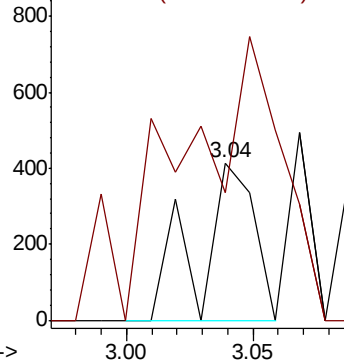
#13

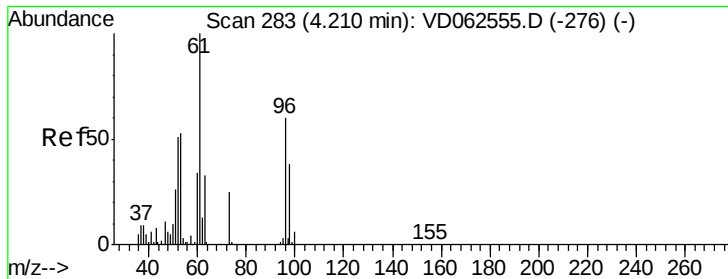
Acrolein
 Concen: 3.077 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VD062598.D
 Acq: 4 Jun 2019 15:04

Tgt Ion: 56 Resp: 631
 Ion Ratio Lower Upper
 56 100
 55 80.9 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#15

Acrylonitrile

Concen: 1.188 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062598.D

Acq: 4 Jun 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

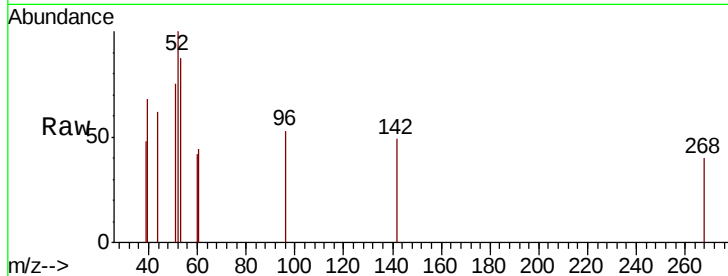
Tot Ion: 53 Resp: 1337

Ion Ratio Lower Upper

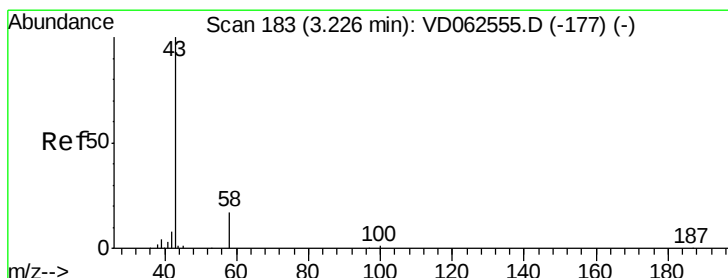
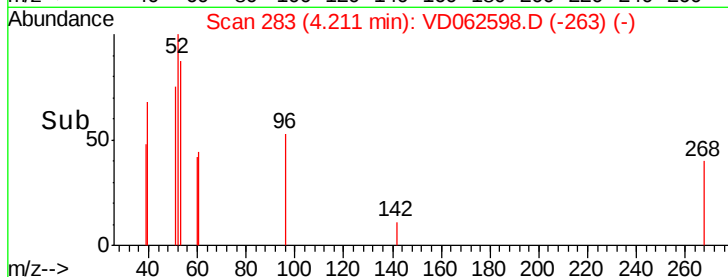
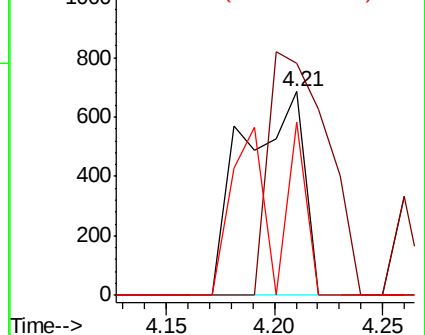
53 100

52 114.3 76.2 114.2#

51 85.4 40.2 60.4#



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: 3.030 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062598.D

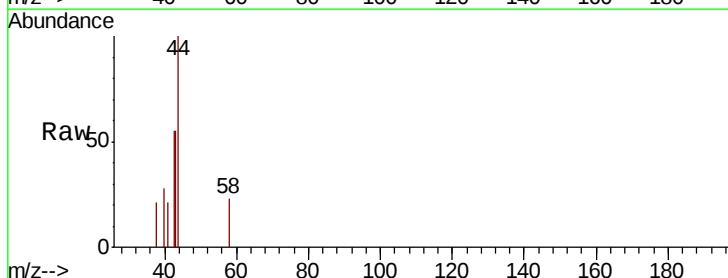
Acq: 4 Jun 2019 15:04

Tgt Ion: 43 Resp: 6569

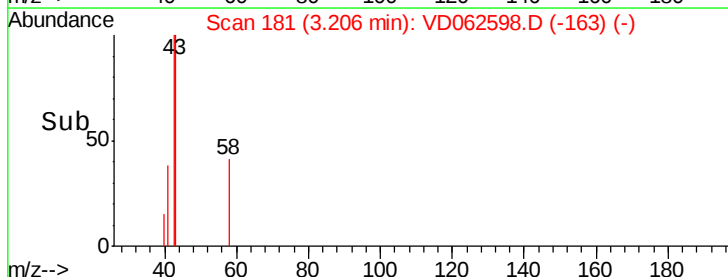
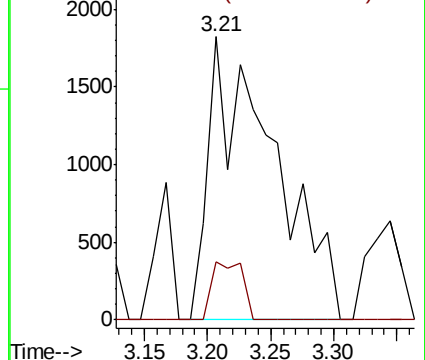
Ion Ratio Lower Upper

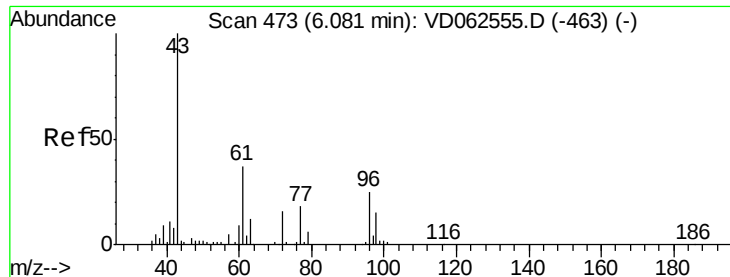
43 100

58 20.7 13.8 20.8



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





#25

2-Butanone

Concen: 1.059 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062598.D

Acq: 4 Jun 2019 15:04

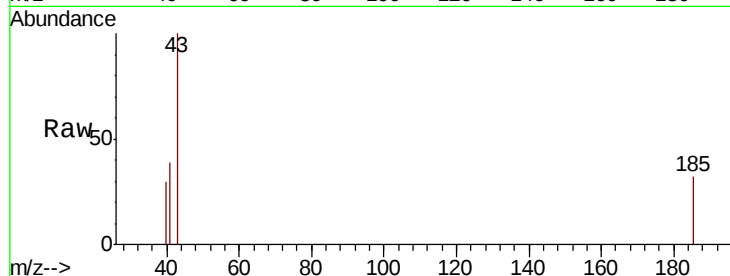
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2162

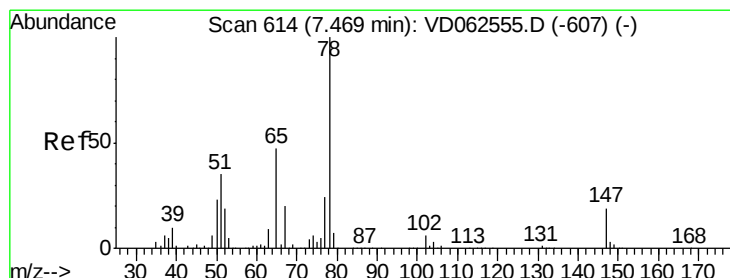
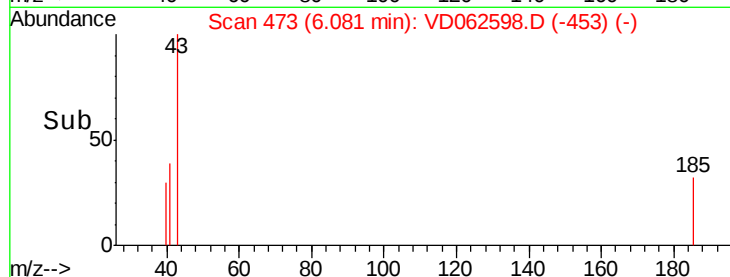
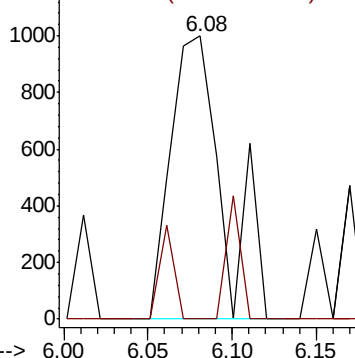
Ion Ratio Lower Upper

43 100

72 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 47.349 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062598.D

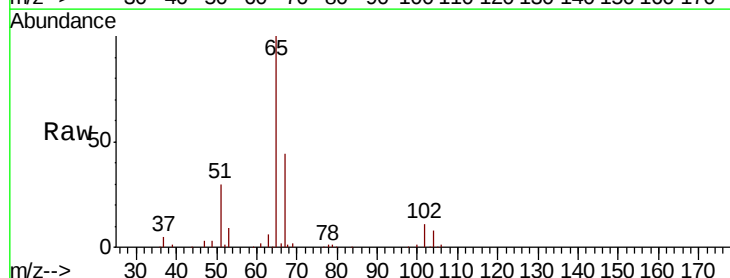
Acq: 4 Jun 2019 15:04

Tgt Ion: 65 Resp: 522466

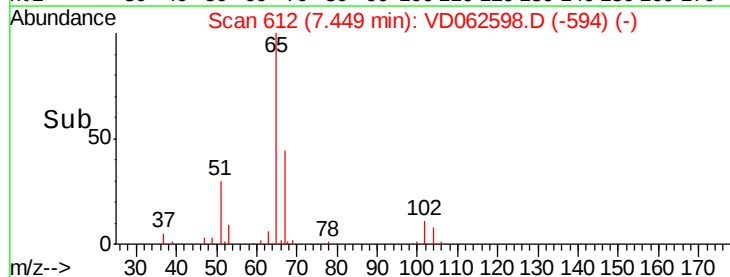
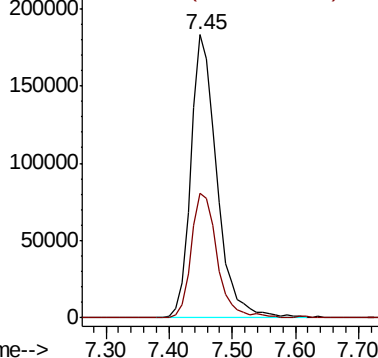
Ion Ratio Lower Upper

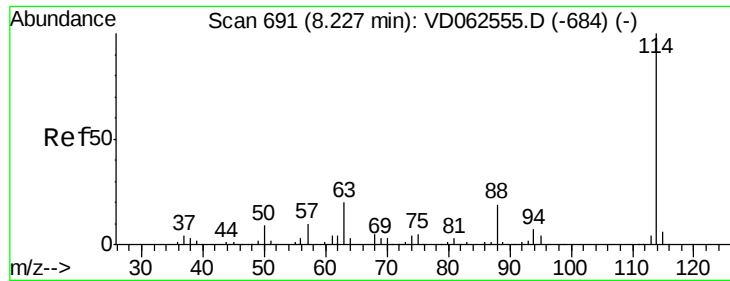
65 100

67 44.0 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

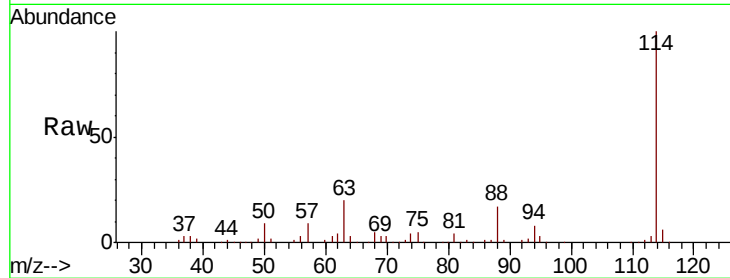




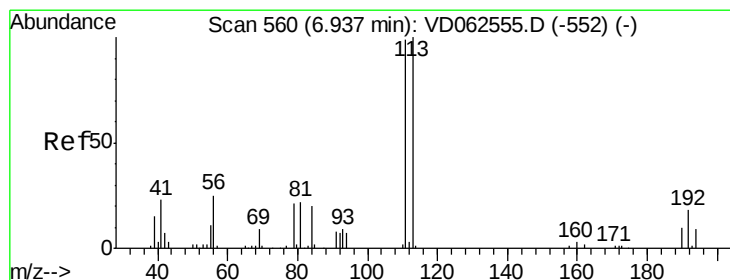
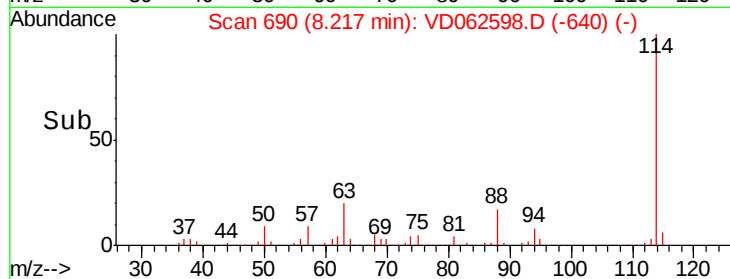
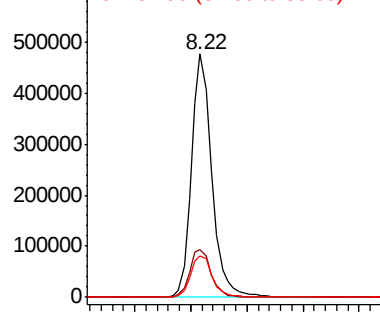
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. -0.01 min
Lab File: VD062598.D
Acq: 4 Jun 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 1208117
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.6
88 17.0 0.0 37.6

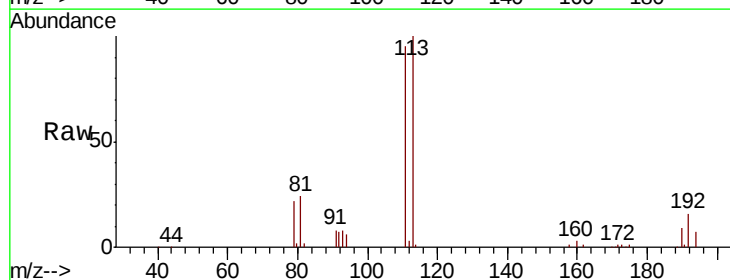


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

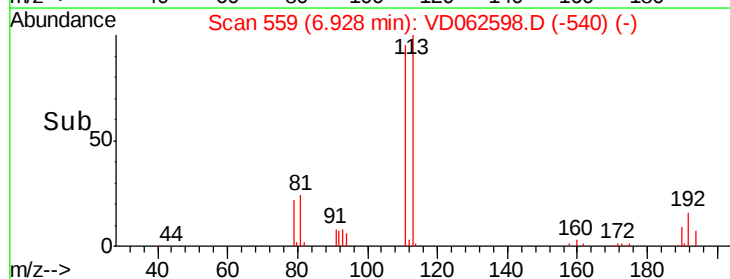
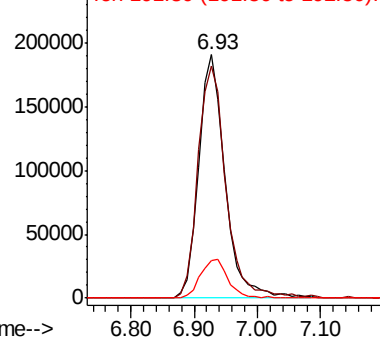


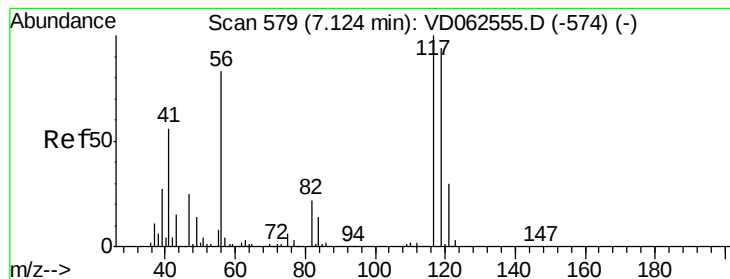
#35
Dibromofluoromethane
Concen: 50.045 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD062598.D
Acq: 4 Jun 2019 15:04

Tgt Ion:113 Resp: 550950
Ion Ratio Lower Upper
113 100
111 95.4 78.8 118.2
192 15.6 14.6 22.0



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





#38

Carbon Tetrachloride

Concen: 5.413 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062598.D

Acq: 4 Jun 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

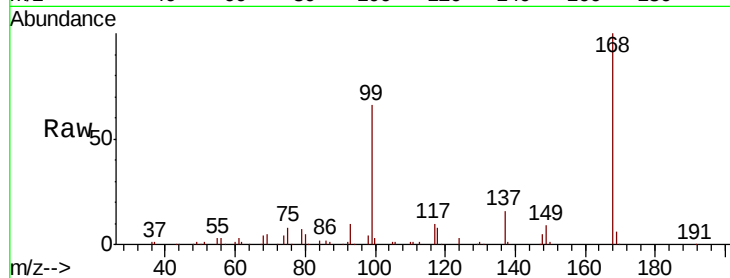
Tot Ion:117 Resp: 96928

Ion Ratio Lower Upper

117 100

119 3.2 71.4 107.2#

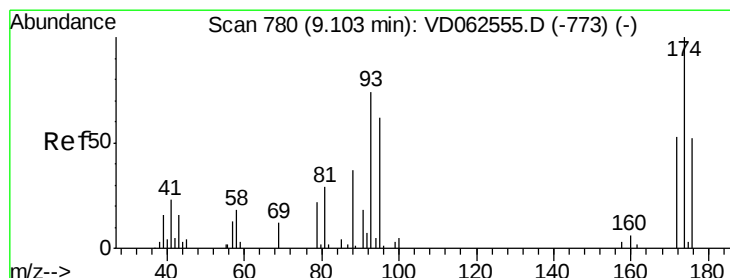
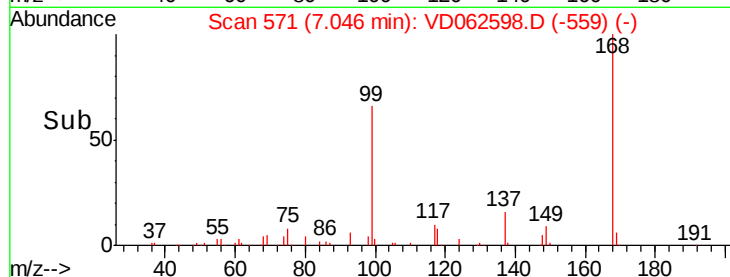
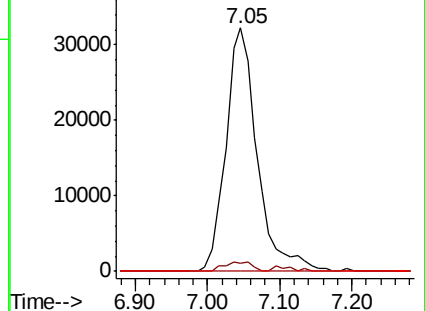
121 0.0 22.5 33.7#



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



#49

1,4-Dioxane

Concen: 5.888 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.02 min

Lab File: VD062598.D

Acq: 4 Jun 2019 15:04

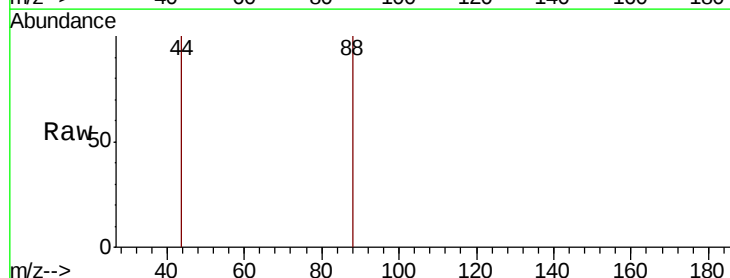
Tgt Ion: 88 Resp: 201

Ion Ratio Lower Upper

88 100

43 0.0 37.1 55.7#

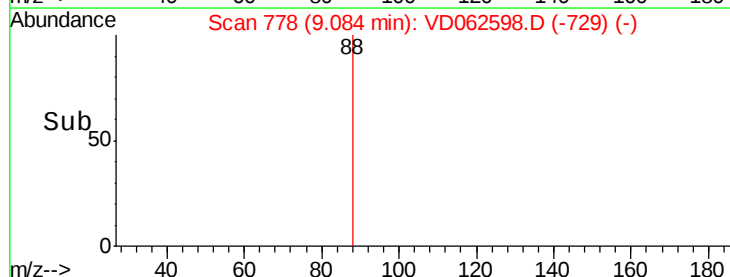
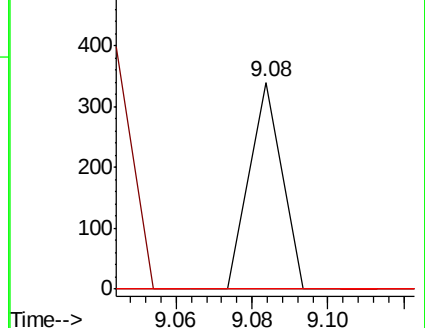
58 0.0 39.3 58.9#

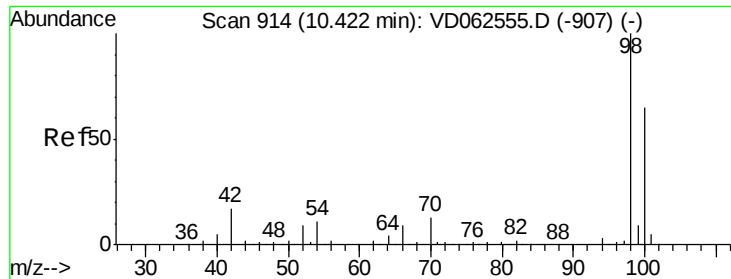


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

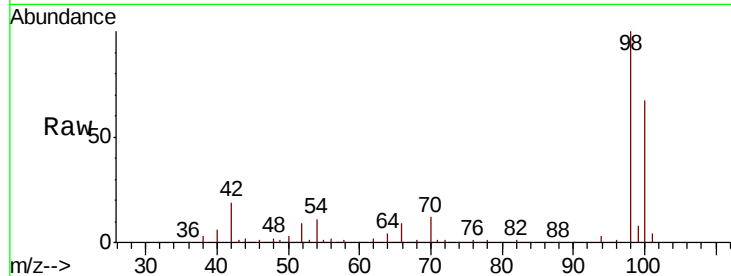




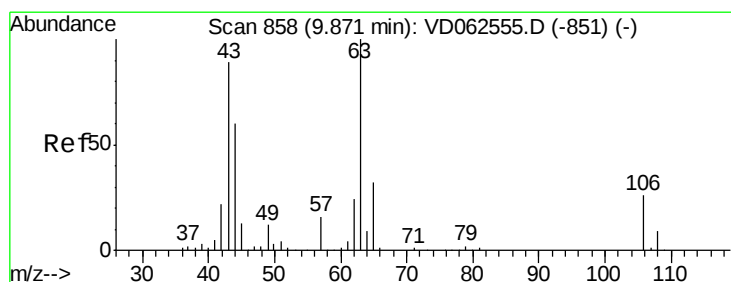
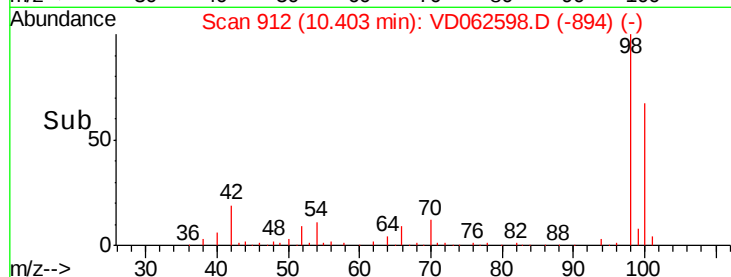
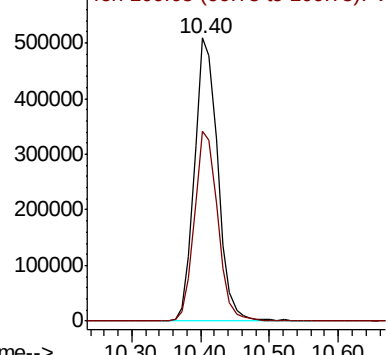
#50
Toluene-d8
Concen: 49.377 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062598.D
Acq: 4 Jun 2019 15:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1191036
Ion Ratio Lower Upper
98 100
100 67.1 52.3 78.5

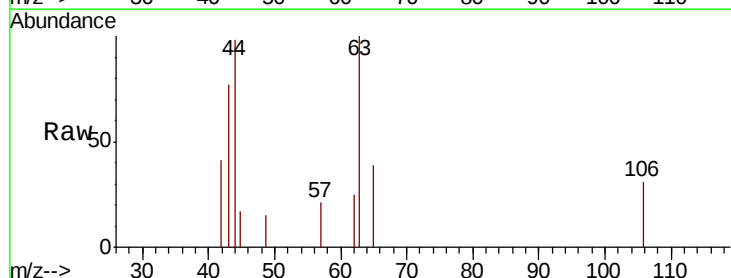


Abundance Ion 98.05 (97.75 to 98.75): VD062555.D (-907) (-)
Ion 100.05 (99.75 to 100.75): VD062555.D (-907) (-)

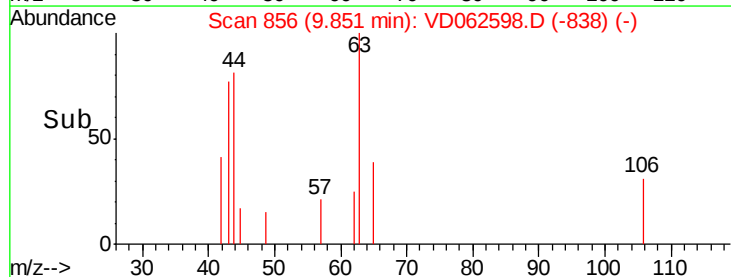
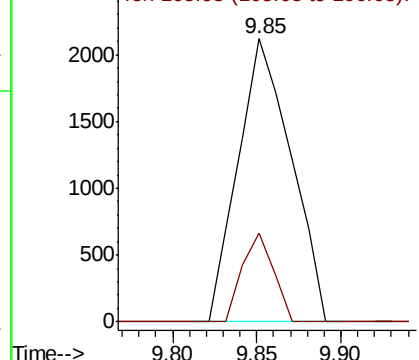


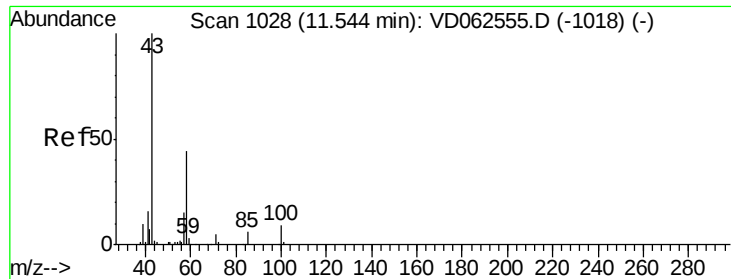
#58
2-Chloroethyl Vinyl ether
Concen: 1.599 ug/l
RT: 9.85 min Scan# 856
Delta R.T. -0.02 min
Lab File: VD062598.D
Acq: 4 Jun 2019 15:04

Tgt Ion: 63 Resp: 4621
Ion Ratio Lower Upper
63 100
106 31.3 21.0 31.4



Abundance Ion 62.95 (62.65 to 63.65): VD062555.D (-851) (-)
Ion 105.95 (105.65 to 106.65): VD062555.D (-851) (-)

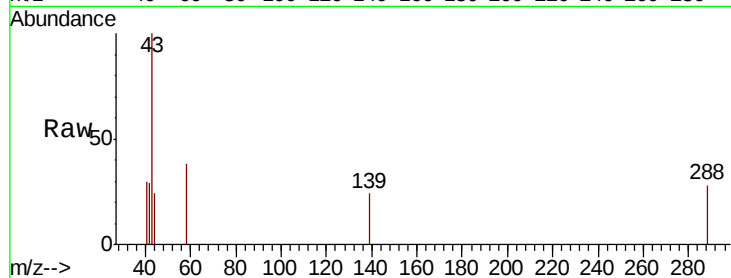




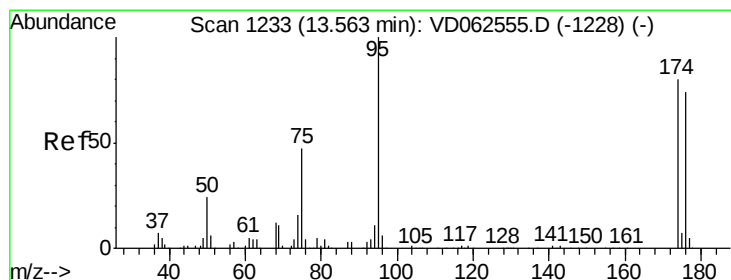
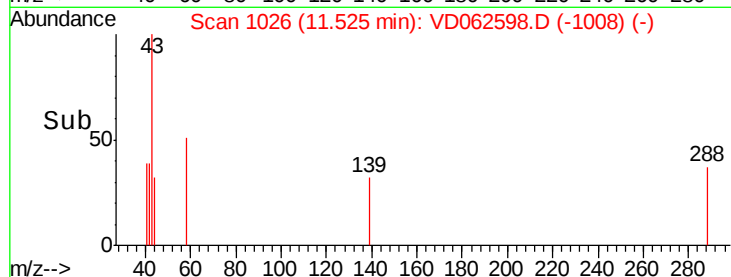
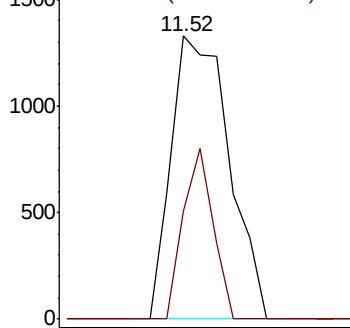
#59
2-Hexanone
Concen: 1.026 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD062598.D
Acq: 4 Jun 2019 15:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3168
Ion Ratio Lower Upper
43 100
58 38.1 22.0 66.0

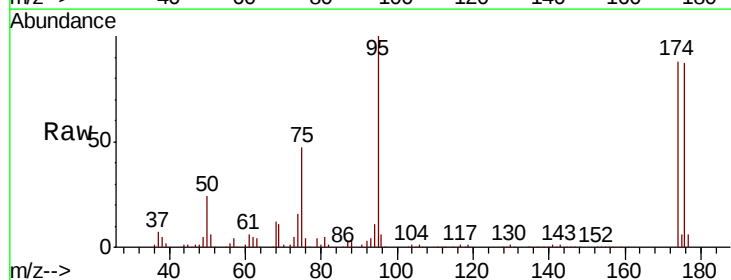


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

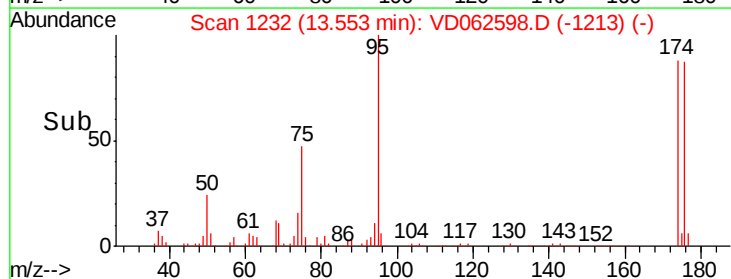
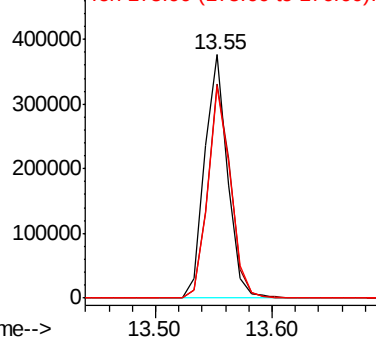


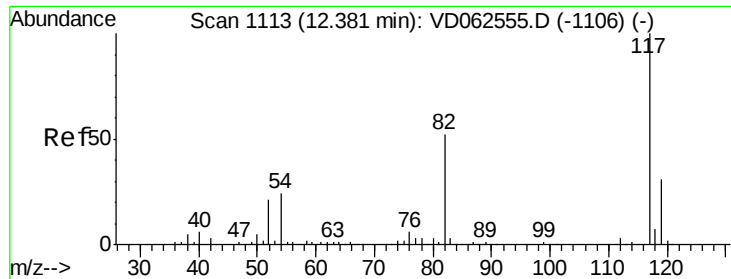
#62
4-Bromofluorobenzene
Concen: 46.834 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062598.D
Acq: 4 Jun 2019 15:04

Tgt Ion: 95 Resp: 509466
Ion Ratio Lower Upper
95 100
174 87.9 0.0 160.2
176 86.9 0.0 148.0



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

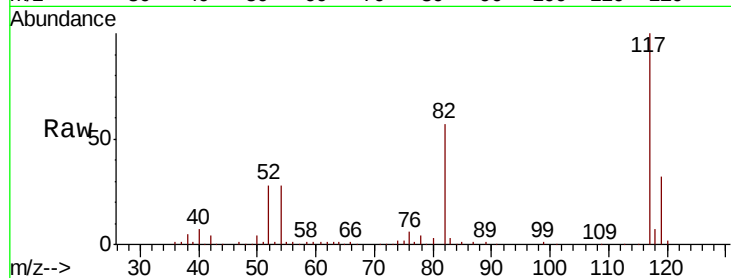




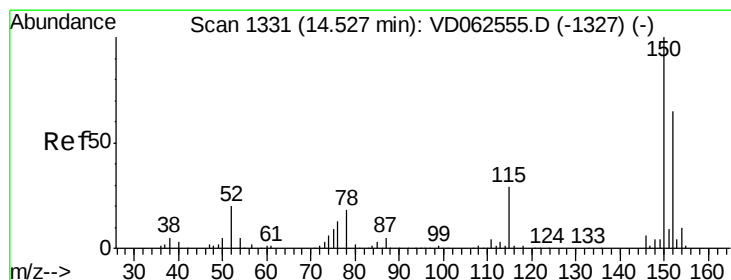
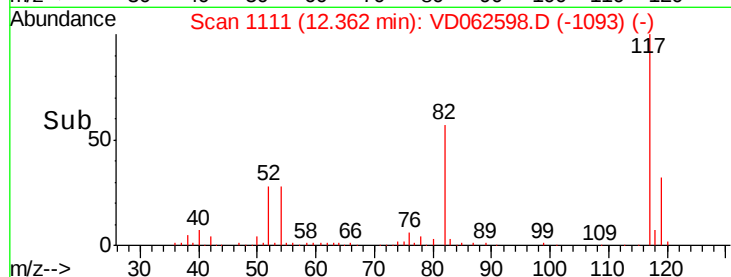
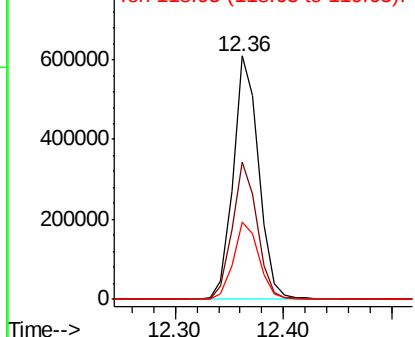
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062598.D
Acq: 4 Jun 2019 15:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 997703
Ion Ratio Lower Upper
117 100
82 56.6 41.4 62.2
119 31.9 24.9 37.3

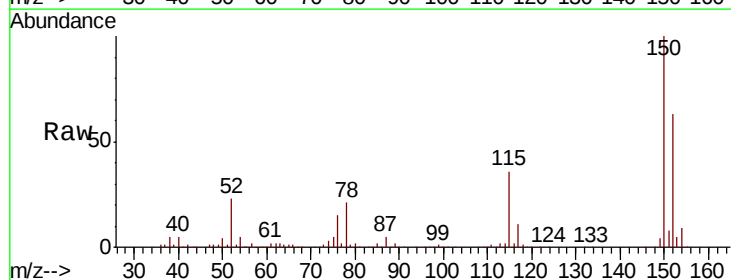


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

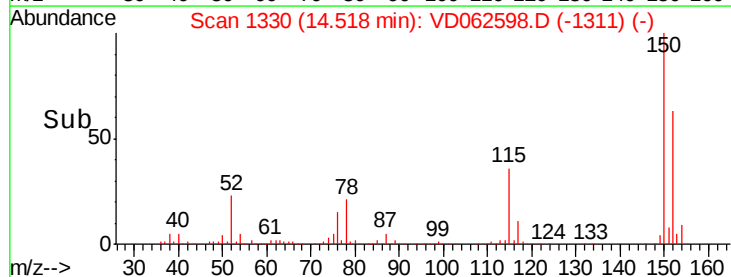
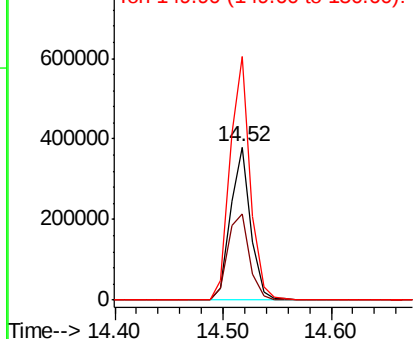


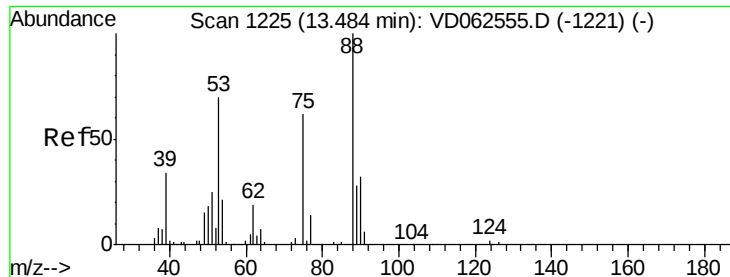
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062598.D
Acq: 4 Jun 2019 15:04

Tgt Ion:152 Resp: 491909
Ion Ratio Lower Upper
152 100
115 56.5 28.4 85.3
150 159.2 0.0 310.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 144.457 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062598.D

Acq: 4 Jun 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

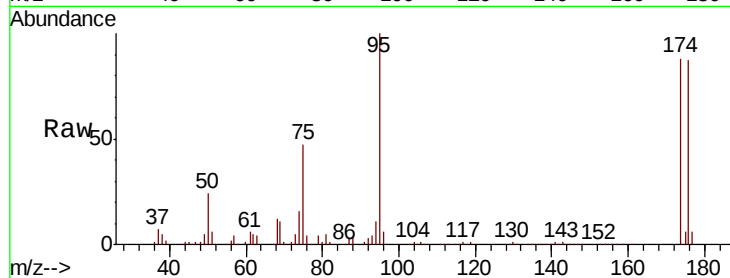
Tot Ion: 75 Resp: 244280

Ion Ratio Lower Upper

75 100

53 0.0 91.0 136.4#

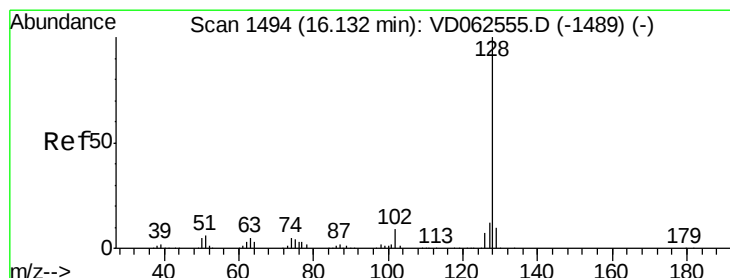
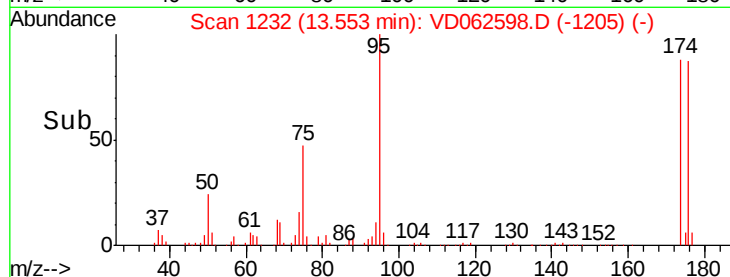
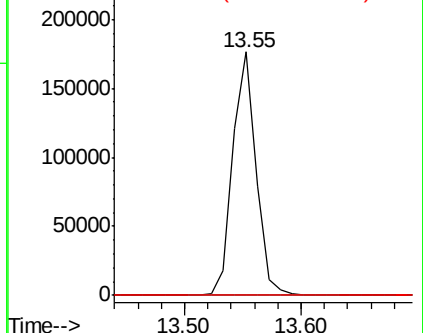
89 0.0 36.9 55.3#



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



#95

Naphthalene

Concen: 1.014 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062598.D

Acq: 4 Jun 2019 15:04

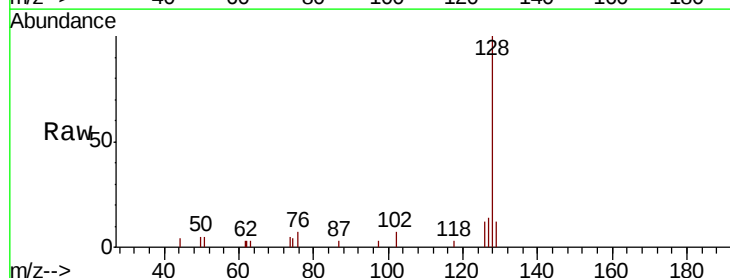
Tgt Ion:128 Resp: 14321

Ion Ratio Lower Upper

128 100

127 14.2 9.7 14.5

129 11.5 8.2 12.2



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

