

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062625.D
 Acq On : 6 Jun 2019 14:05
 Operator : FY/SY
 Sample : K3218-07
 Misc : 5.25g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-1873

Quant Time: Jun 07 03:24:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	696376	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.23	114	893301	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	691532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	314816	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	327860	34.35	ug/l	0.00
Spiked Amount			Recovery	=	68.70%	
35) Dibromofluoromethane	6.93	113	311689	34.33	ug/l	0.00
Spiked Amount			Recovery	=	68.66%	
50) Toluene-d8	10.41	98	606029	30.99	ug/l	0.00
Spiked Amount			Recovery	=	61.98%	
62) 4-Bromofluorobenzene	13.56	95	272539	29.56	ug/l	0.00
Spiked Amount			Recovery	=	59.12%	

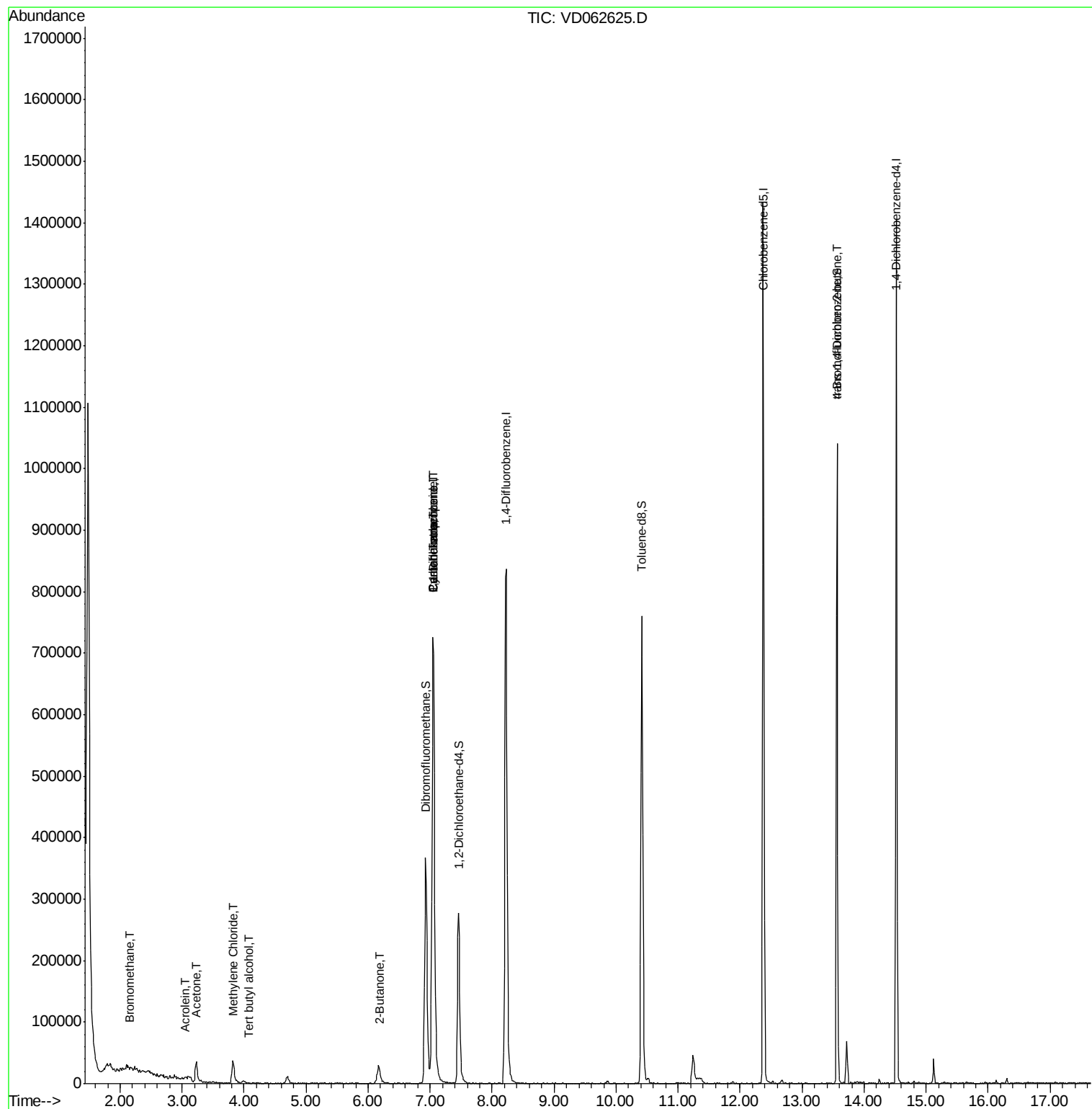
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	3502	1.053	ug/l #	12
11) Tert butyl alcohol	4.06	59	469	1.097	ug/l #	77
13) Acrolein	3.04	56	212	1.403	ug/l #	11
16) Acetone	3.23	43	69546	40.539	ug/l	98
20) Methylene Chloride	3.83	84	22856	3.423	ug/l #	66
25) 2-Butanone	6.19	43	2261	1.387	ug/l #	57
31) Cyclohexane	7.06	56	16926	2.153	ug/l #	11
36) 1,1-Dichloropropene	7.05	75	57859	6.024	ug/l #	54
38) Carbon Tetrachloride	7.05	117	71831	4.983	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.56	75	136967	129.752	ug/l #	1

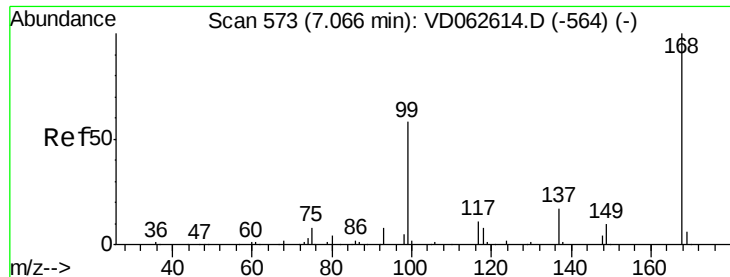
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060519\
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Quant Time: Jun 07 03:24:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 06 05:42:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

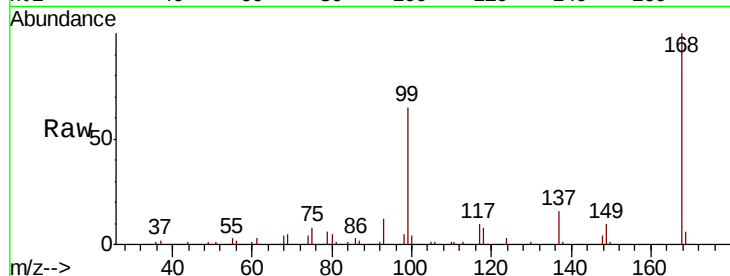
RT-1873

Tot Ion:168 Resp: 696376

Ion Ratio Lower Upper

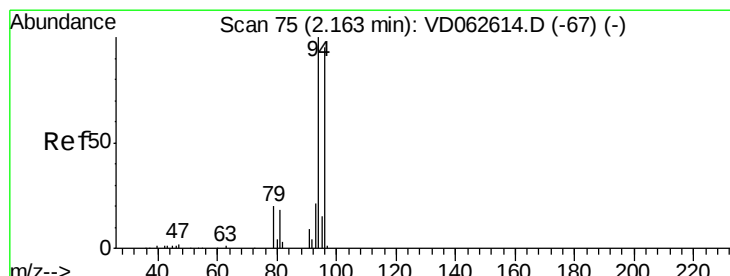
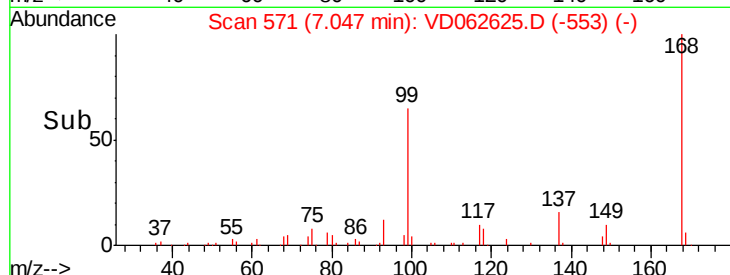
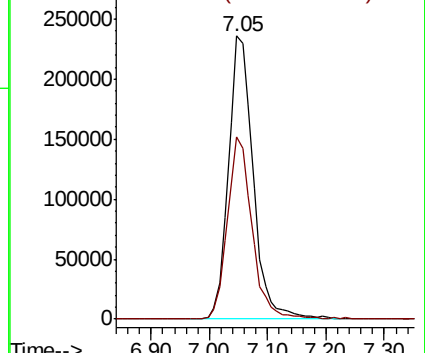
168 100

99 64.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.053 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

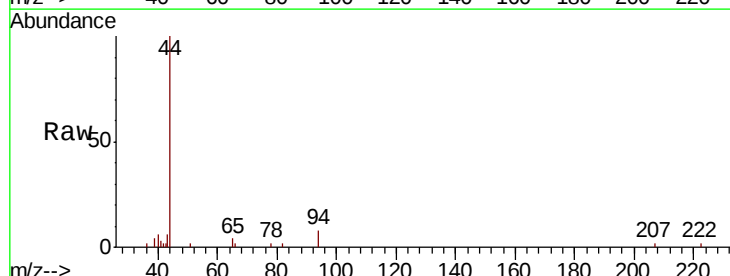
Tgt Ion: 94 Resp: 3502

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

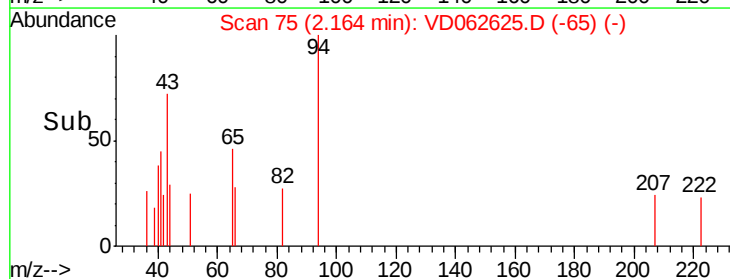
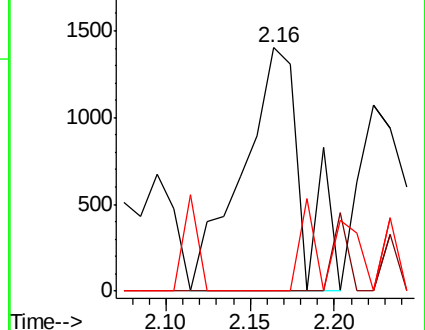
93 0.0 16.6 25.0#

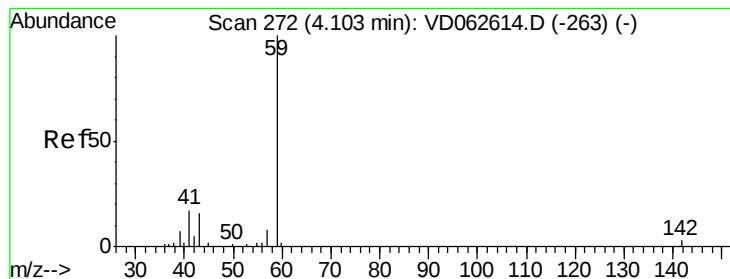


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



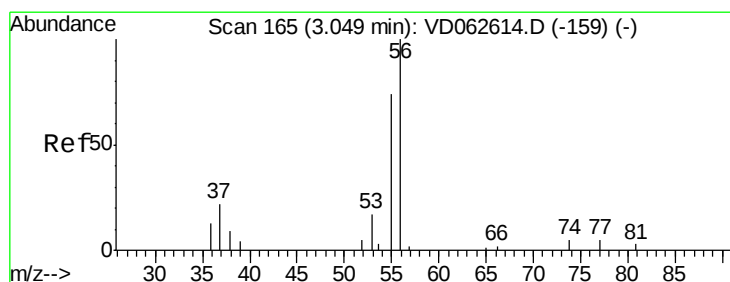
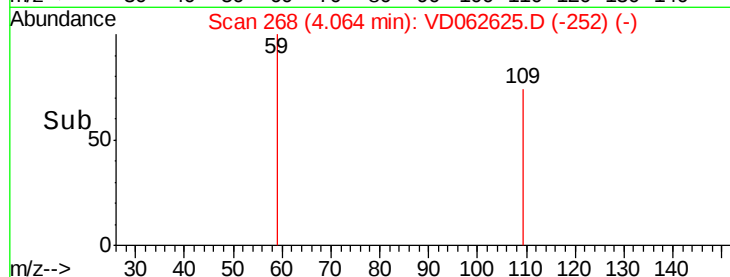
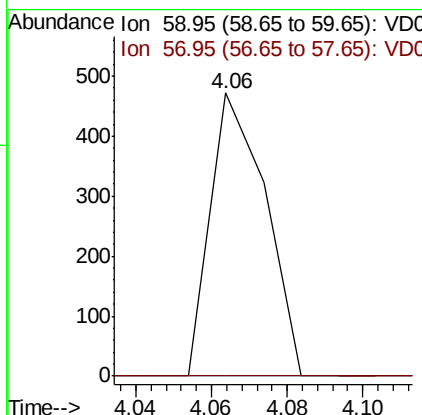
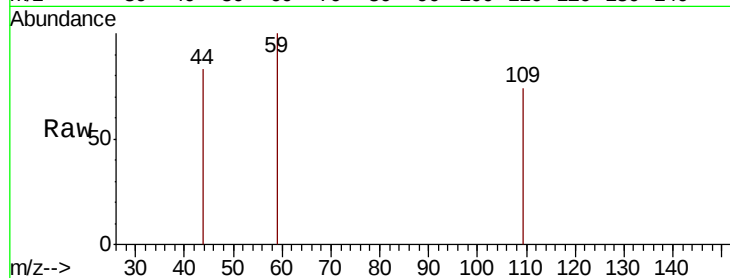


#11

Tert butyl alcohol
 Concen: 1.097 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.04 min
 Lab File: VD062625.D
 Acq: 6 Jun 2019 14:05

Instrument :
 MSVOA_D
 ClientSampled :
 RT-1873

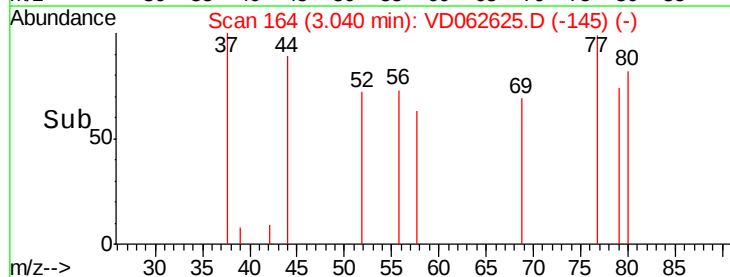
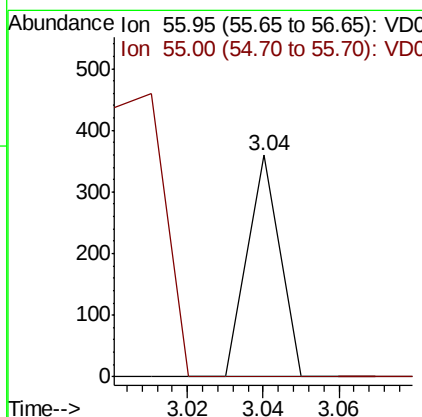
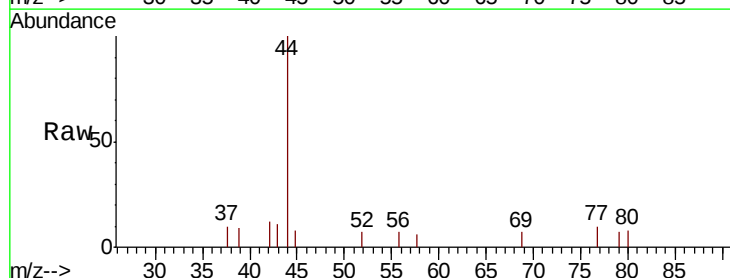
Tot Ion: 59 Resp: 469
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.4 9.6#

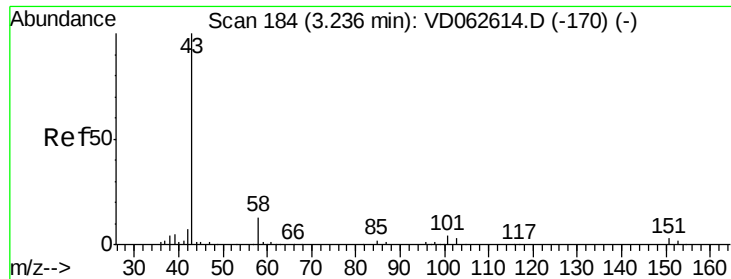


#13

Acrolein
 Concen: 1.403 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VD062625.D
 Acq: 6 Jun 2019 14:05

Tgt Ion: 56 Resp: 212
 Ion Ratio Lower Upper
 56 100
 55 0.0 61.4 92.0#





#16

Acetone

Concen: 40.539 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

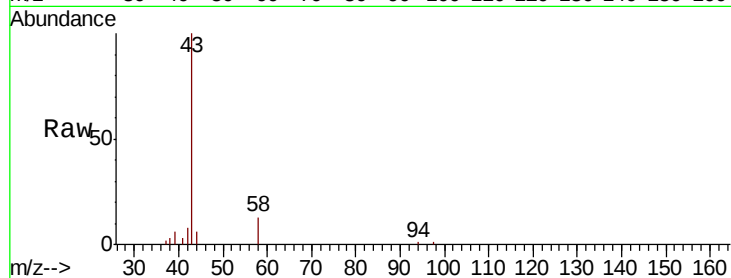
RT-1873

Tot Ion: 43 Resp: 69546

Ion Ratio Lower Upper

43 100

58 12.6 10.7 16.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

25000

20000

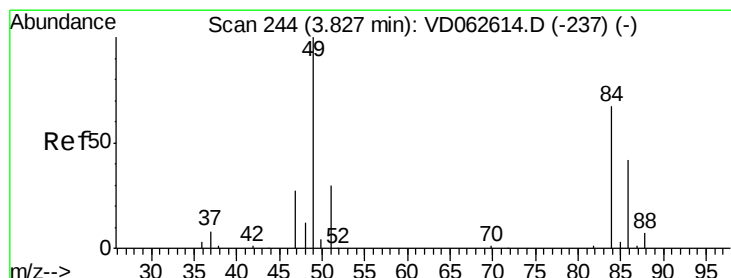
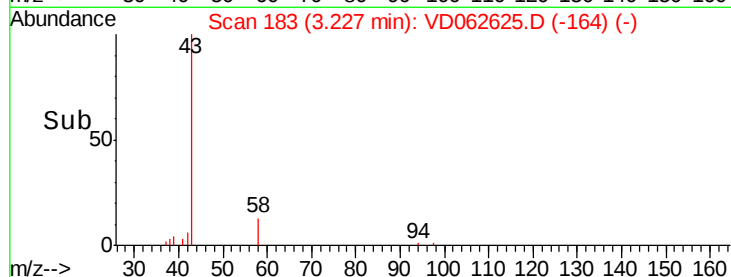
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: 3.423 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

Tgt Ion: 84 Resp: 22856

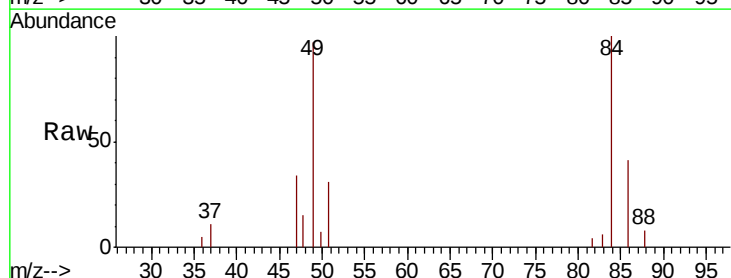
Ion Ratio Lower Upper

84 100

49 96.7 119.0 178.6#

51 30.8 35.4 53.2#

86 40.9 50.0 75.0#



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.83

20000

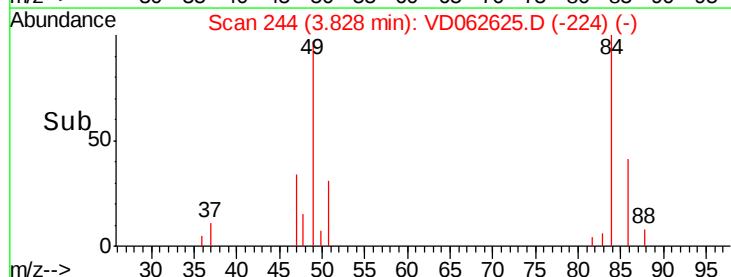
15000

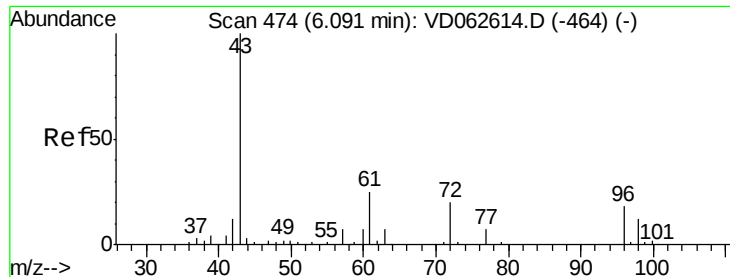
10000

5000

0

Time-->





#25

2-Butanone

Concen: 1.387 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.10 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

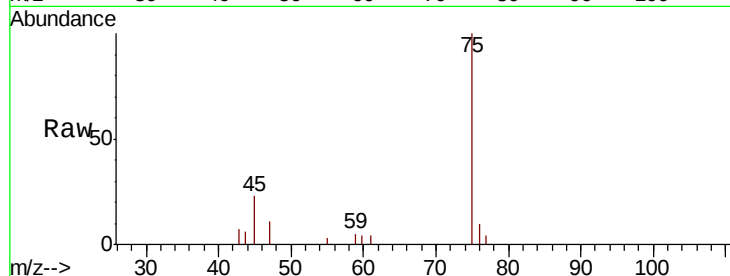
RT-1873

Tot Ion: 43 Resp: 2261

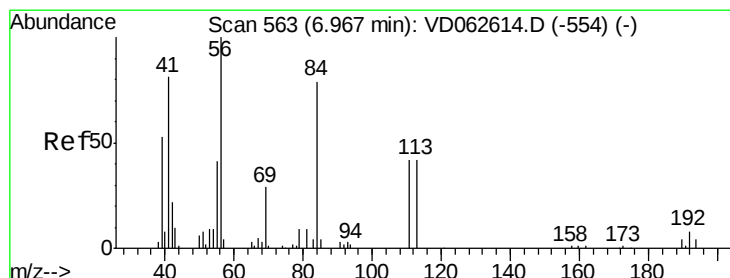
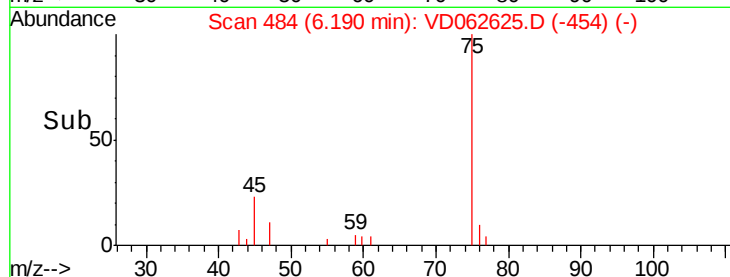
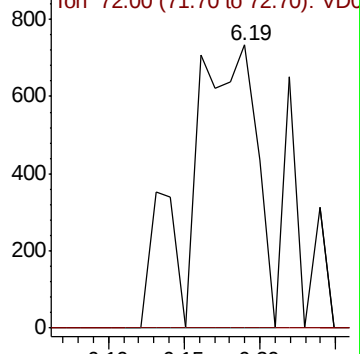
Ion Ratio Lower Upper

43 100

72 0.0 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#31

Cyclohexane

Concen: 2.153 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

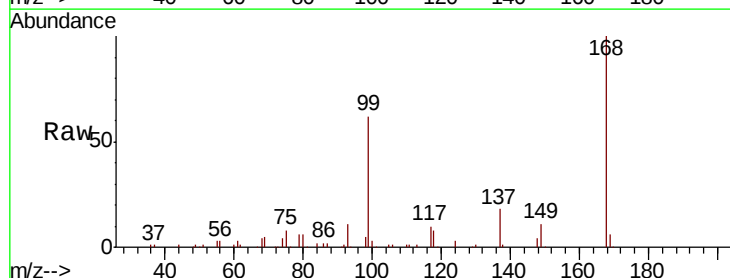
Tgt Ion: 56 Resp: 16926

Ion Ratio Lower Upper

56 100

69 198.7 23.0 34.4#

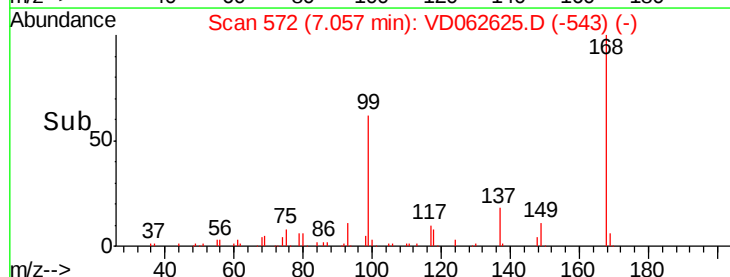
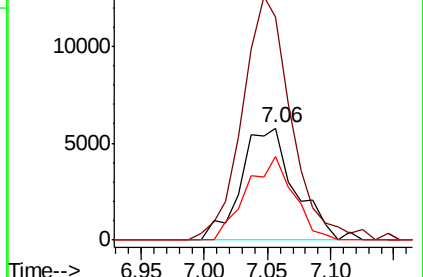
84 74.5 66.0 99.0

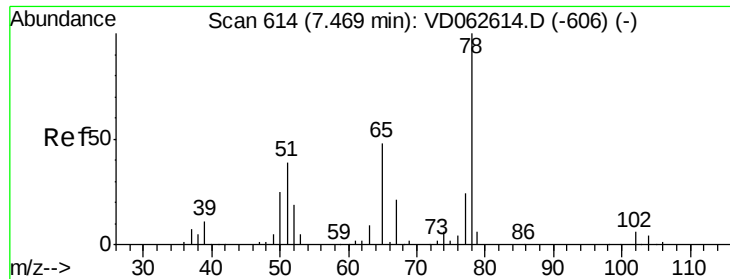


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 34.345 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

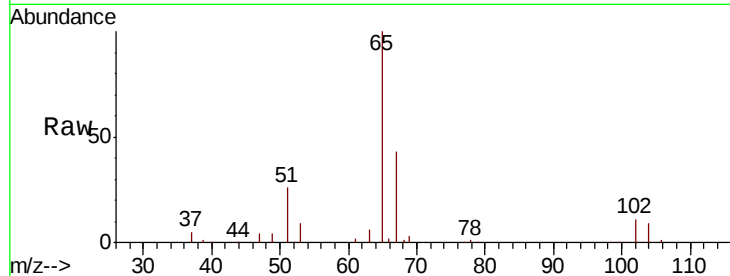
RT-1873

Tot Ion: 65 Resp: 327860

Ion Ratio Lower Upper

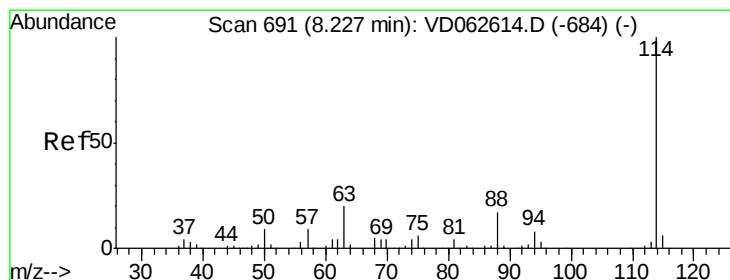
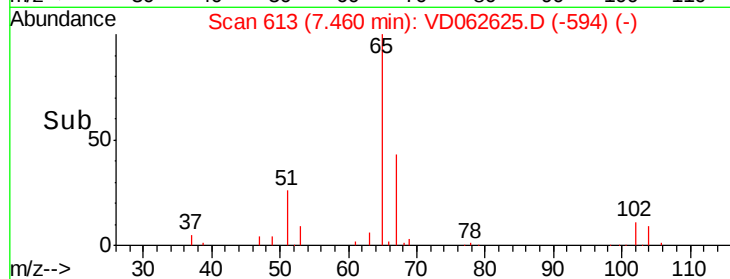
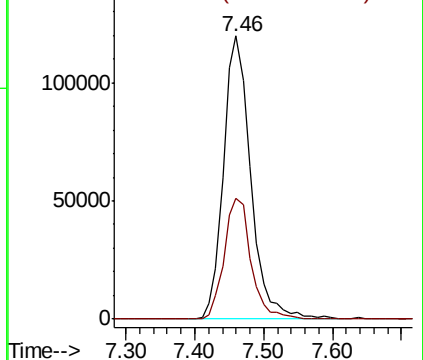
65 100

67 42.7 0.0 86.2



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: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

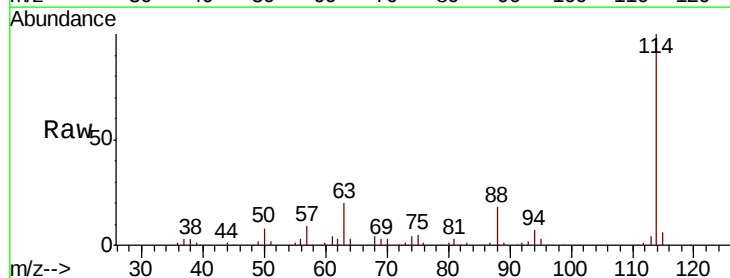
Tgt Ion: 114 Resp: 893301

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

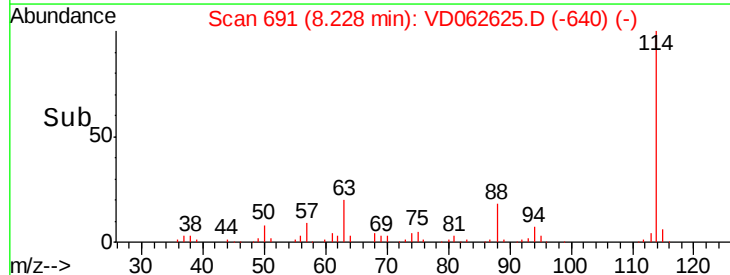
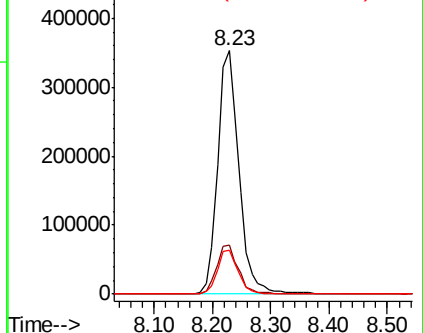
88 18.1 0.0 34.2

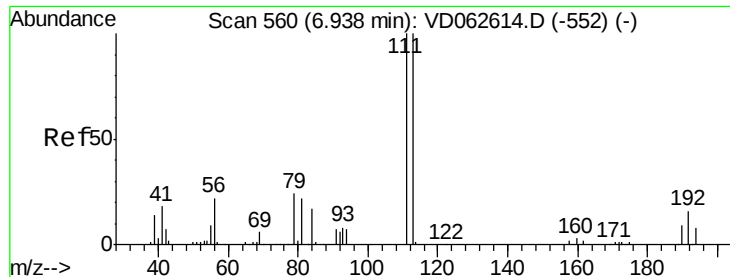


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 34.330 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

RT-1873

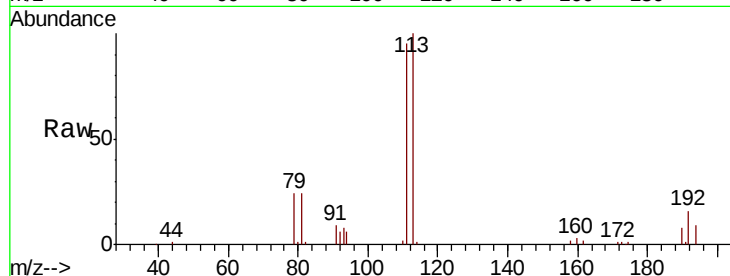
Tot Ion:113 Resp: 311689

Ion Ratio Lower Upper

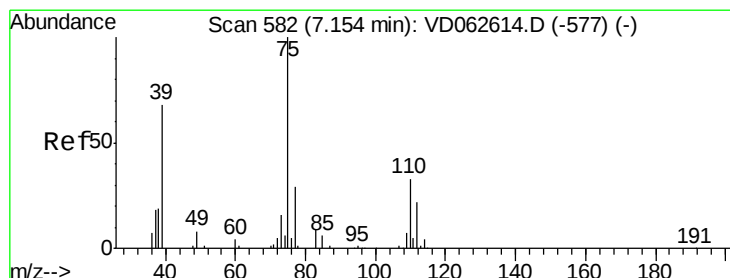
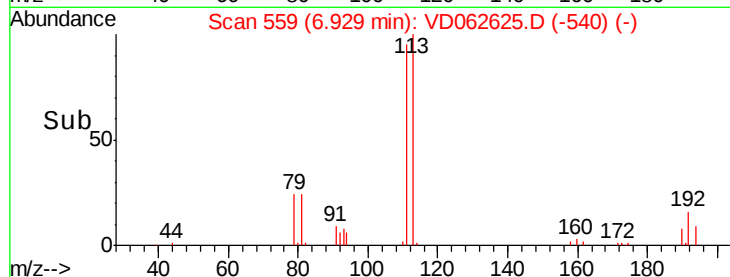
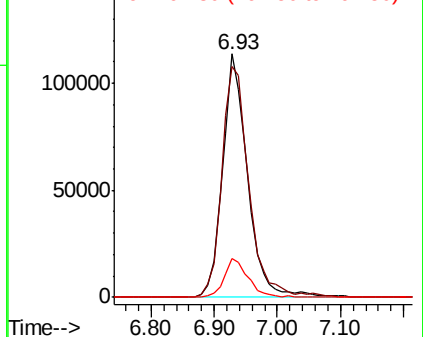
113 100

111 94.7 80.1 120.1

192 15.8 13.0 19.6



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: 6.024 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

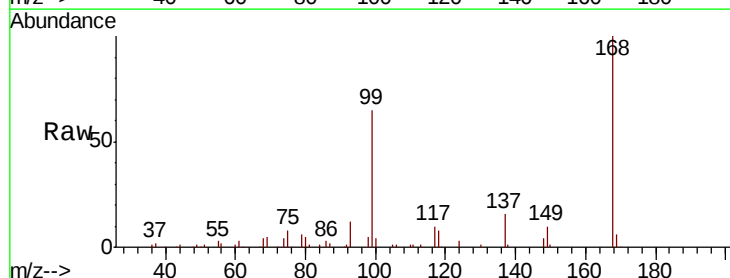
Tgt Ion: 75 Resp: 57859

Ion Ratio Lower Upper

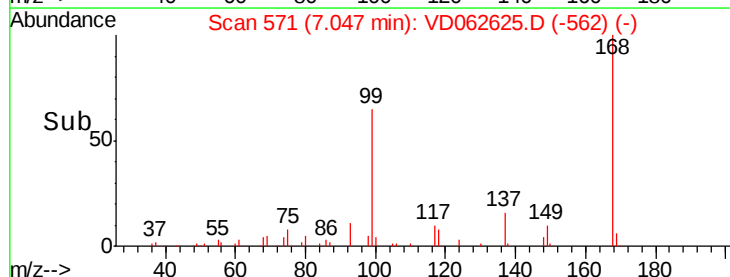
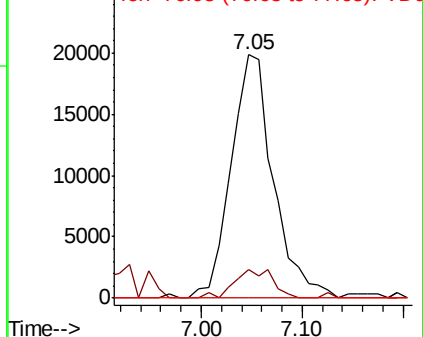
75 100

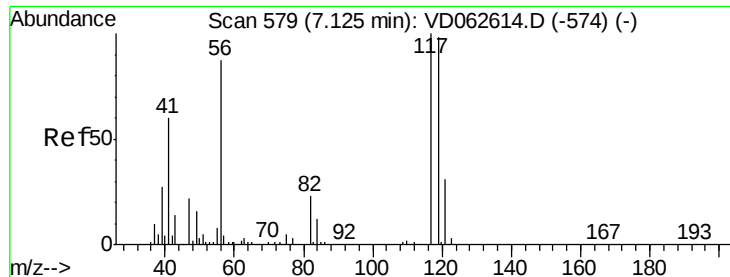
110 11.6 16.5 49.5#

77 0.0 23.3 34.9#



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





#38

Carbon Tetrachloride

Concen: 4.983 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

RT-1873

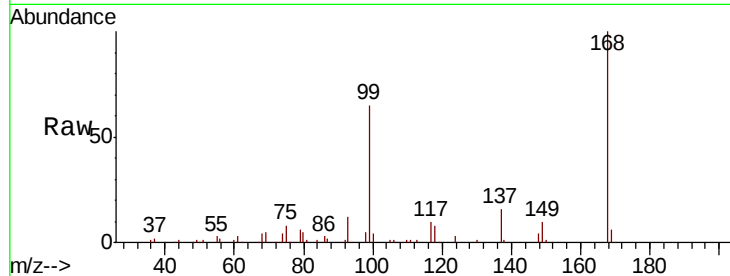
Tot Ion:117 Resp: 71831

Ion Ratio Lower Upper

117 100

119 4.3 74.1 111.1#

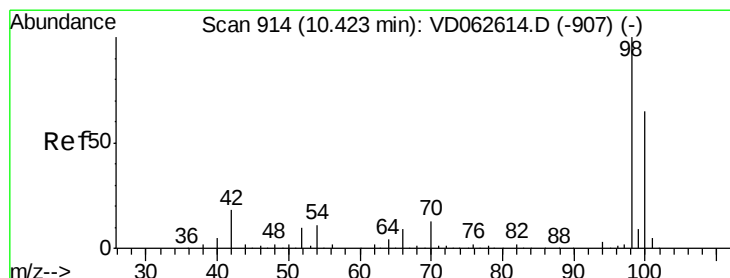
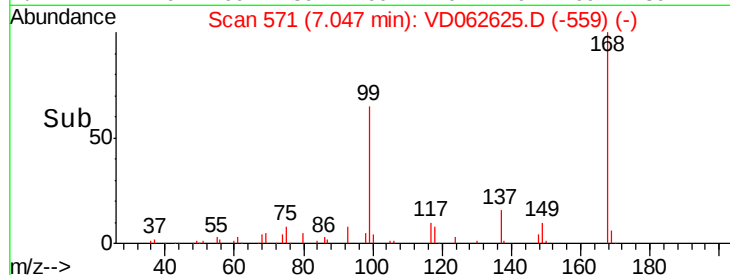
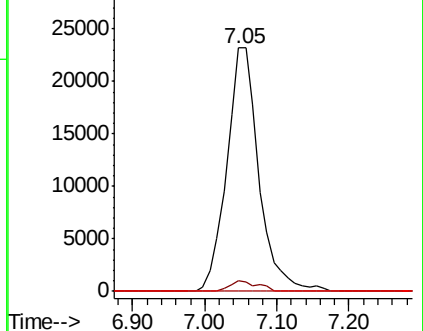
121 0.0 23.5 35.3#



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



#50

Toluene-d8

Concen: 30.985 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062625.D

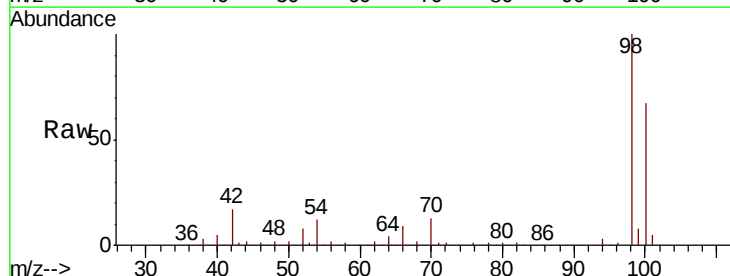
Acq: 6 Jun 2019 14:05

Tgt Ion: 98 Resp: 606029

Ion Ratio Lower Upper

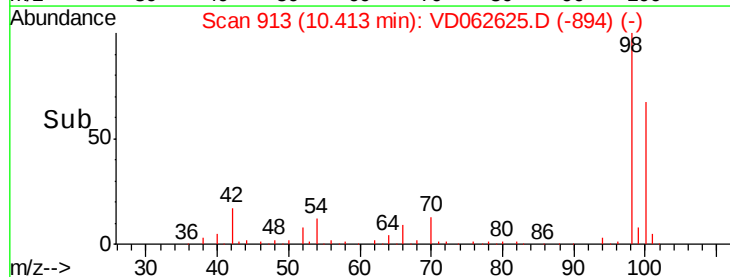
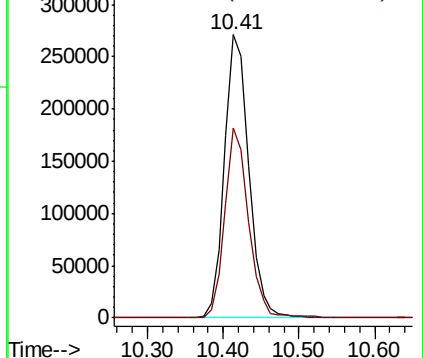
98 100

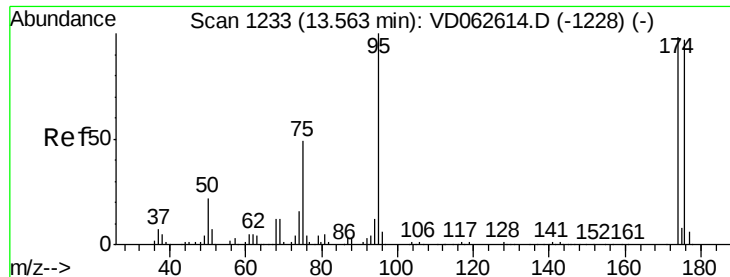
100 67.2 52.8 79.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 29.557 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_D

ClientSampled :

RT-1873

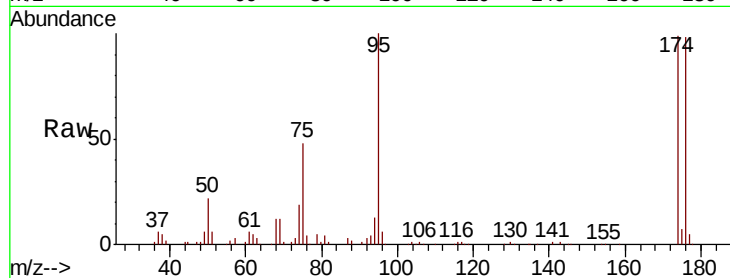
Tot Ion: 95 Resp: 272539

Ion Ratio Lower Upper

95 100

174 98.9 0.0 195.8

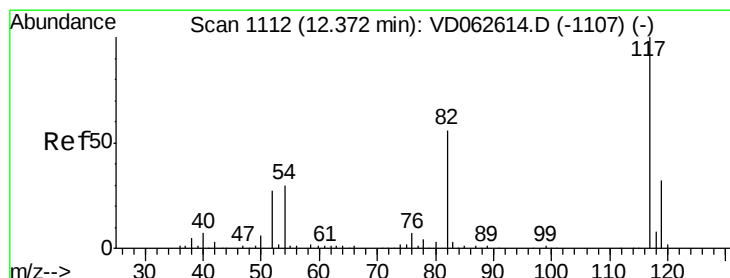
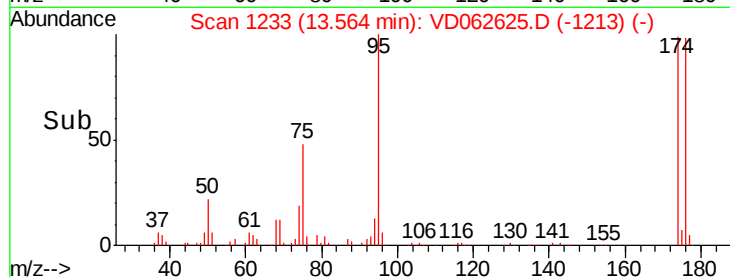
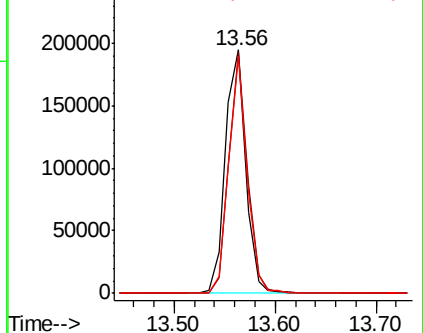
176 97.5 0.0 193.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

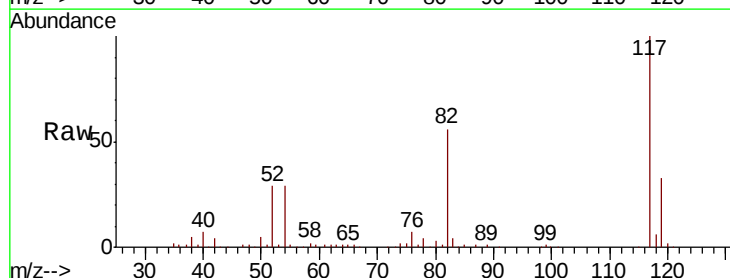
Tgt Ion: 117 Resp: 691532

Ion Ratio Lower Upper

117 100

82 55.8 45.0 67.6

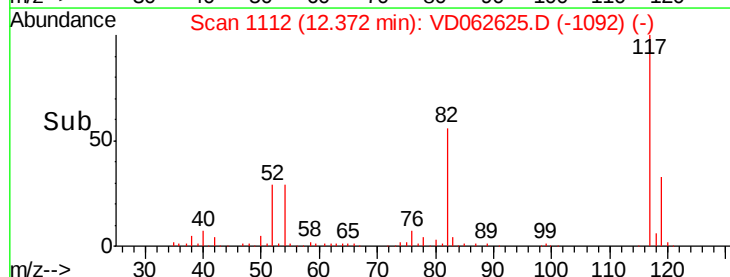
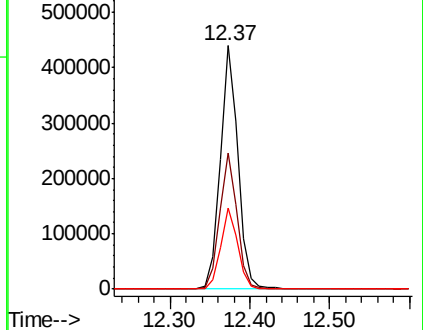
119 33.4 25.7 38.5

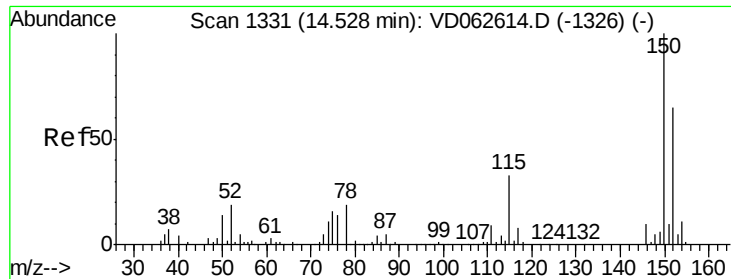


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

Instrument :

MSVOA_D

ClientSampleId :

RT-1873

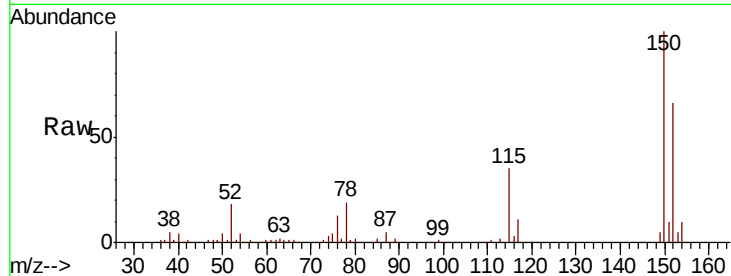
Tot Ion:152 Resp: 314816

Ion Ratio Lower Upper

152 100

115 52.9 27.1 81.3

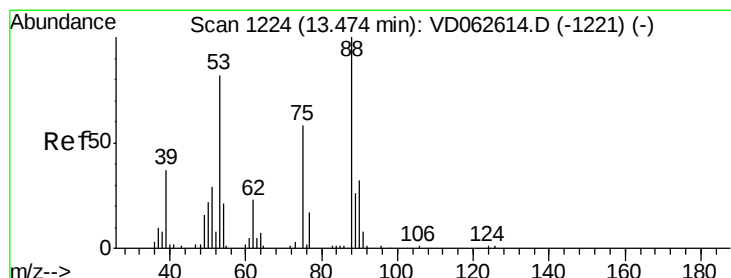
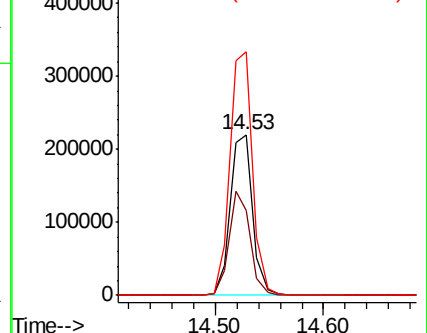
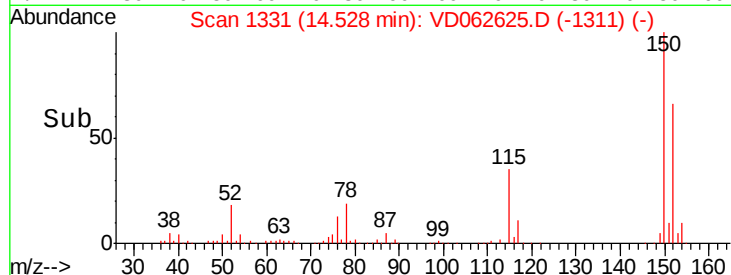
150 151.6 0.0 315.0



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: 129.752 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062625.D

Acq: 6 Jun 2019 14:05

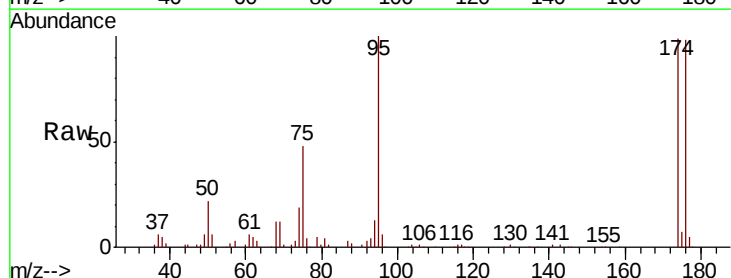
Tgt Ion: 75 Resp: 136967

Ion Ratio Lower Upper

75 100

53 0.0 113.2 169.8#

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

