

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053119\
 Data File : VD062573.D
 Acq On : 31 May 2019 19:30
 Operator : VA/AP
 Sample : K3139-02
 Misc : 4.89g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1A-S2

Quant Time: May 31 23:28:48 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	7.06	168	638270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	857091	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	690363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	309492	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	315534	42.16	ug/l	0.00
Spiked Amount			Recovery	=	84.32%	
35) Dibromofluoromethane	6.93	113	319551	40.91	ug/l	0.00
Spiked Amount			Recovery	=	81.82%	
50) Toluene-d8	10.42	98	545318	31.87	ug/l	0.00
Spiked Amount			Recovery	=	63.74%	
62) 4-Bromofluorobenzene	13.56	95	257506	33.37	ug/l	0.00
Spiked Amount			Recovery	=	66.74%	

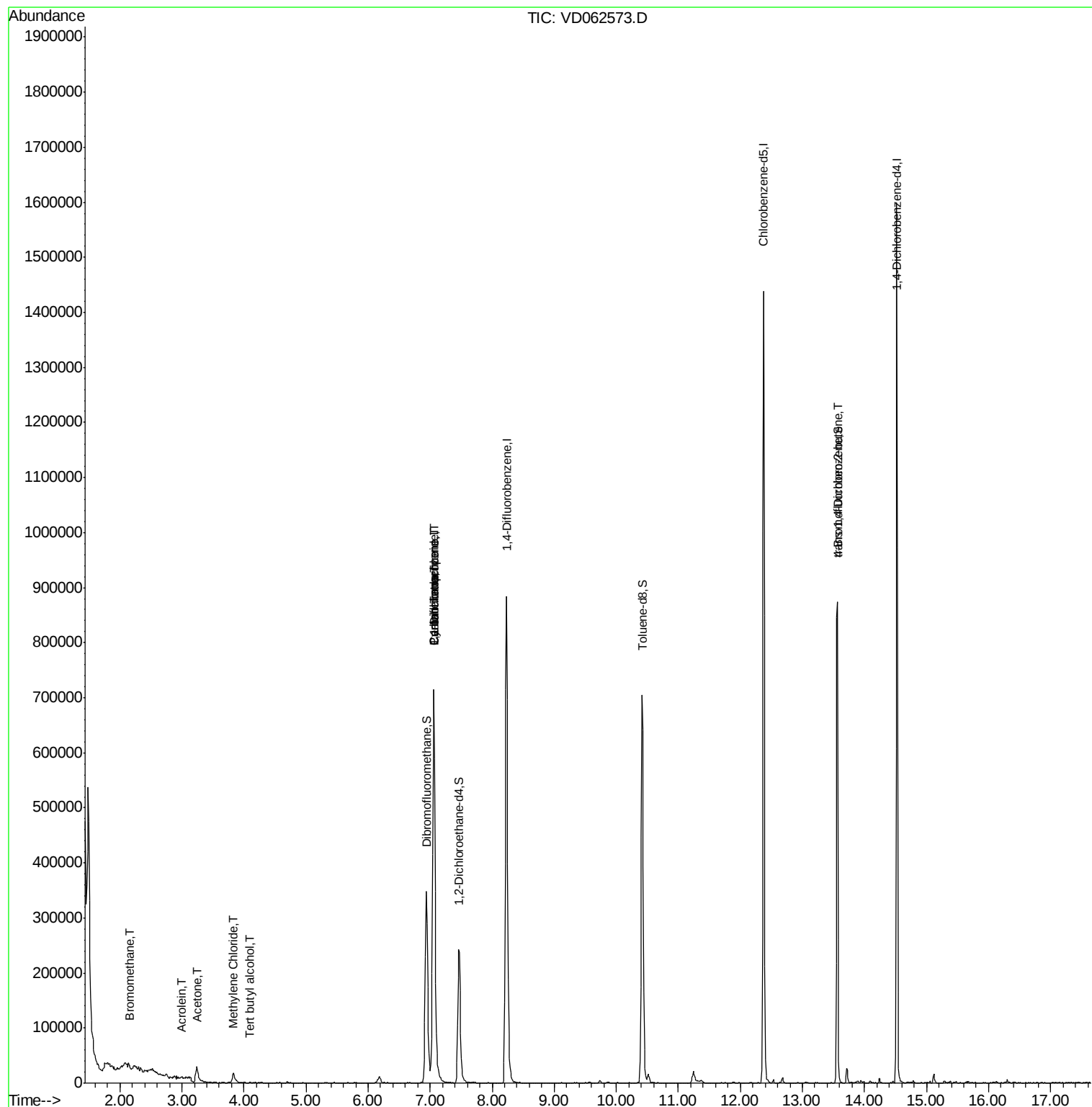
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.75	50	2106	Below Cal	#	43
5) Bromomethane	2.16	94	2646	1.441	ug/l #	12
11) Tert butyl alcohol	4.08	59	422	1.322	ug/l #	80
13) Acrolein	3.00	56	180	1.294	ug/l #	10
16) Acetone	3.24	43	59289	40.321	ug/l	94
20) Methylene Chloride	3.83	84	10036	1.844	ug/l	89
31) Cyclohexane	7.05	56	18678	2.687	ug/l #	13
36) 1,1-Dichloropropene	7.06	75	53599	6.282	ug/l #	48
38) Carbon Tetrachloride	7.06	117	72223	5.686	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.56	75	128790	121.051	ug/l #	5

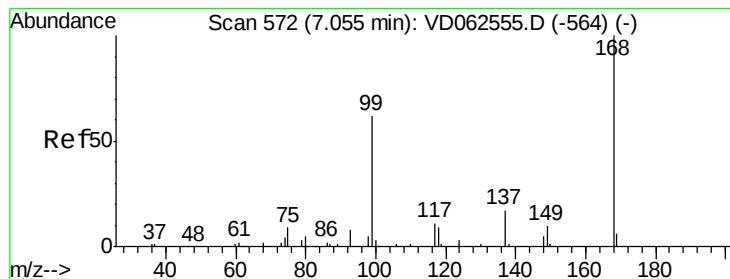
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD053119\
Data File : VD062573.D
Acq On : 31 May 2019 19:30
Operator : VA/AP
Sample : K3139-02
Misc : 4.89g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

Quant Time: May 31 23:28:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

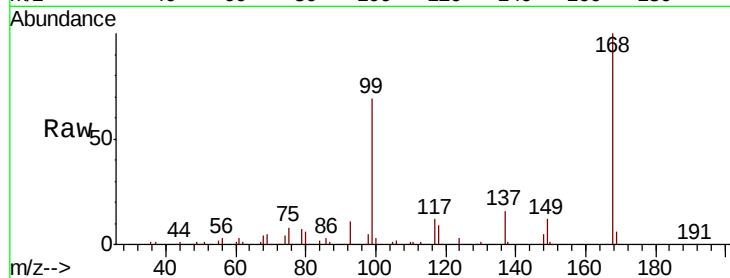
TP-1A-S2

Tot Ion:168 Resp: 638270

Ion Ratio Lower Upper

168 100

99 69.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

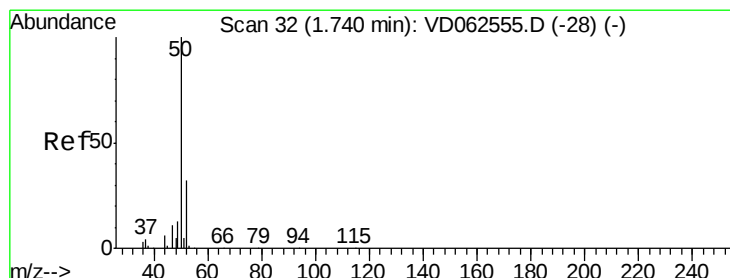
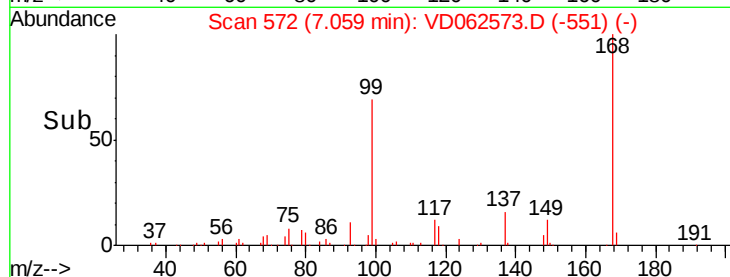
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#3

Chloromethane

Concen: Below Cal

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062573.D

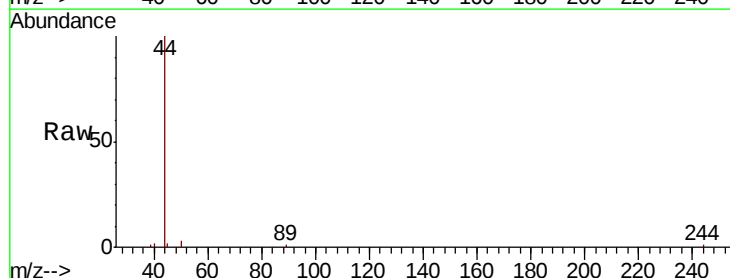
Acq: 31 May 2019 19:30

Tgt Ion: 50 Resp: 2106

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

1.75

1200

1000

800

600

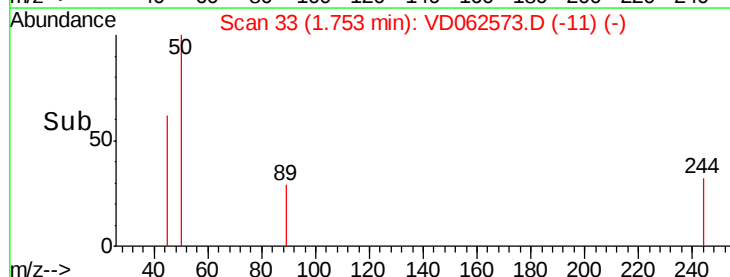
400

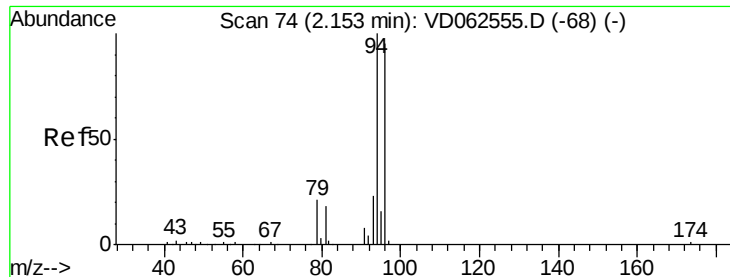
200

0

Time-->

1.70 1.75 1.80





#5

Bromomethane

Concen: 1.441 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

Instrument :

MSVOA_D

ClientSampled :

TP-1A-S2

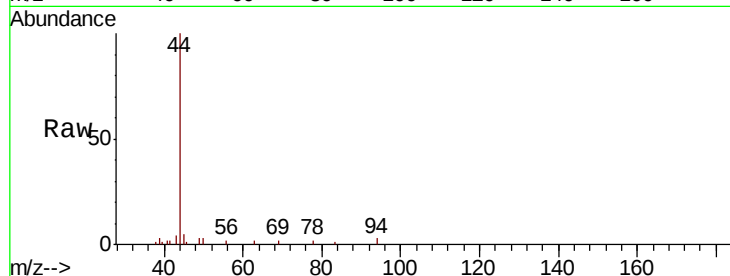
Tot Ion: 94 Resp: 2646

Ion Ratio Lower Upper

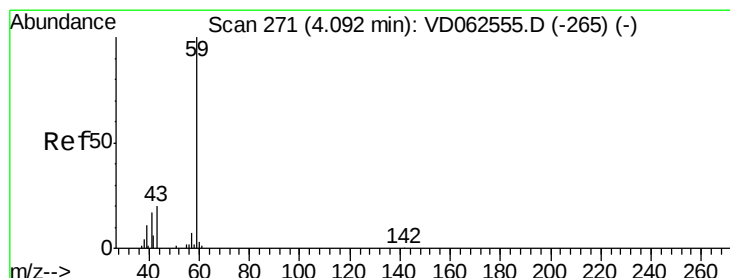
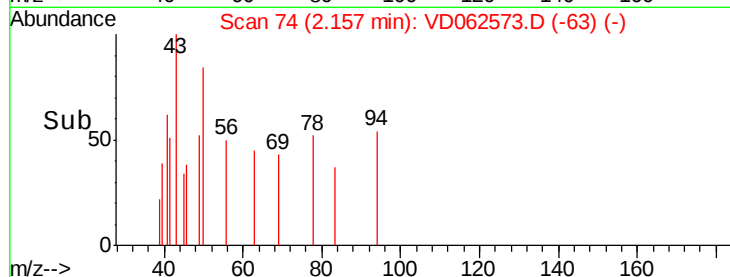
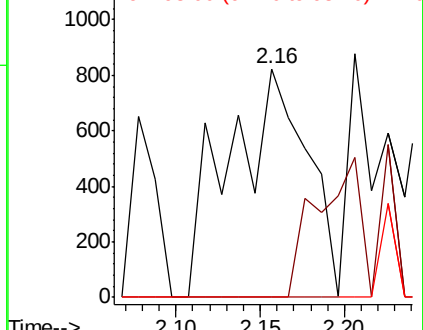
94 100

96 0.0 76.2 114.4#

93 0.0 18.4 27.6#



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: 1.322 ug/l

RT: 4.08 min Scan# 269

Delta R.T. -0.02 min

Lab File: VD062573.D

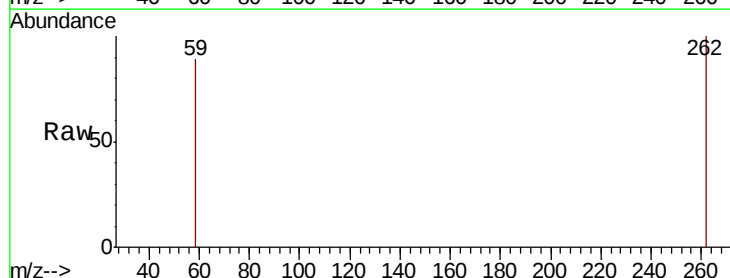
Acq: 31 May 2019 19:30

Tgt Ion: 59 Resp: 422

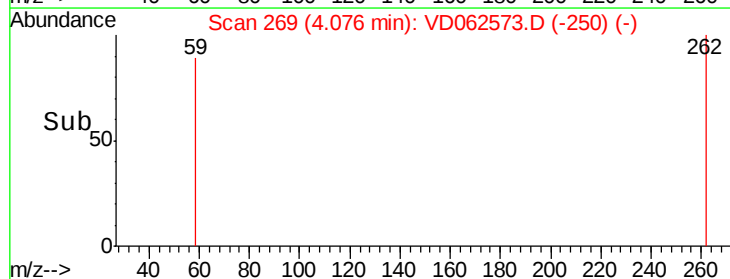
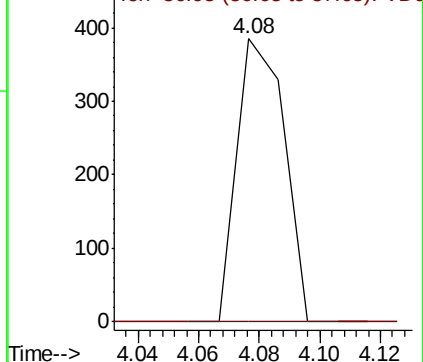
Ion Ratio Lower Upper

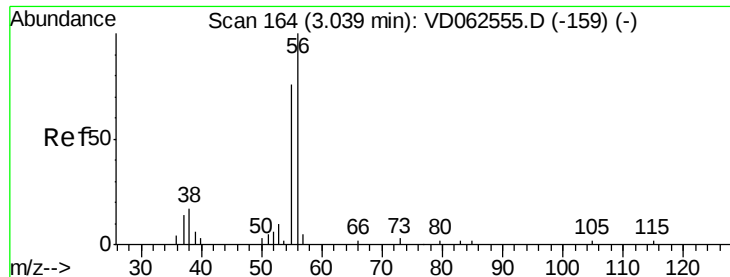
59 100

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: 1.294 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.04 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

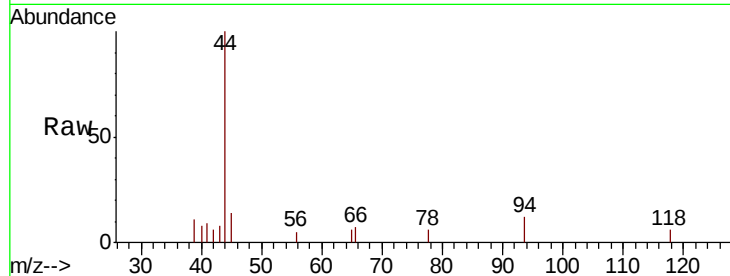
TP-1A-S2

Tot Ion: 56 Resp: 180

Ion Ratio Lower Upper

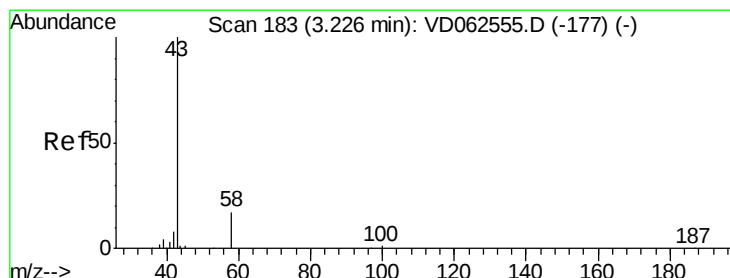
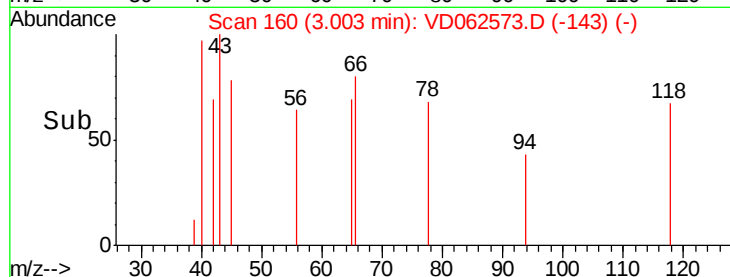
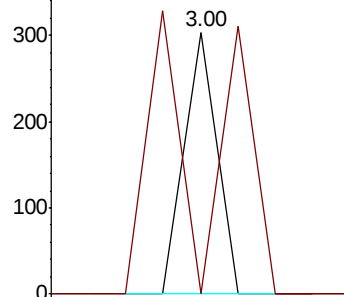
56 100

55 0.0 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 40.321 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062573.D

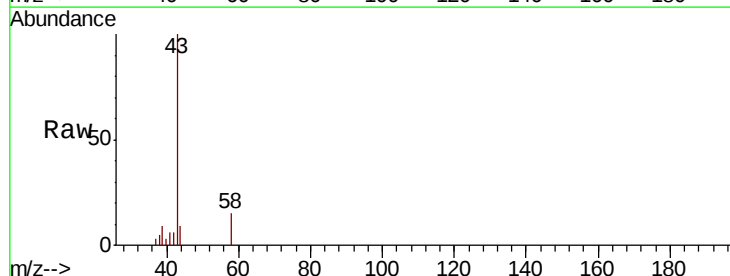
Acq: 31 May 2019 19:30

Tgt Ion: 43 Resp: 59289

Ion Ratio Lower Upper

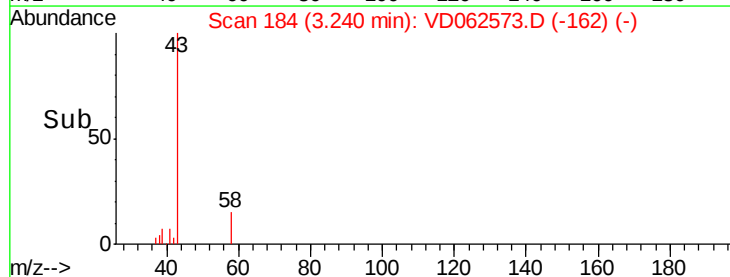
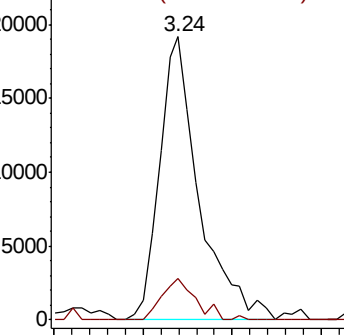
43 100

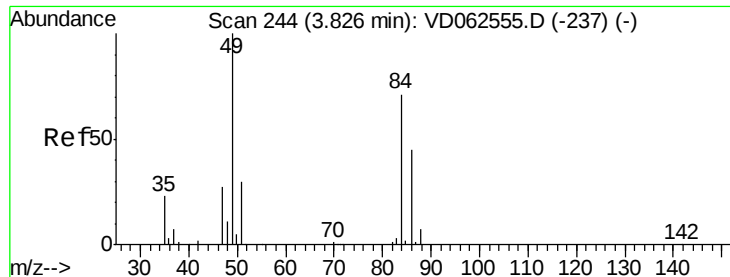
58 14.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

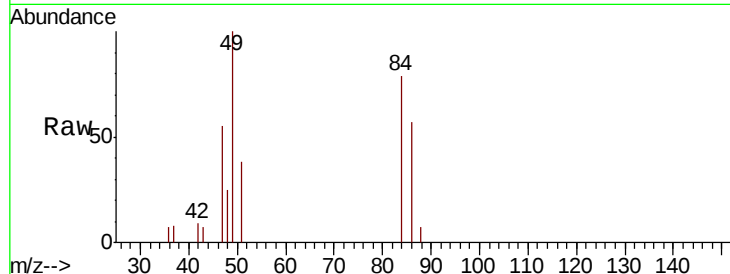




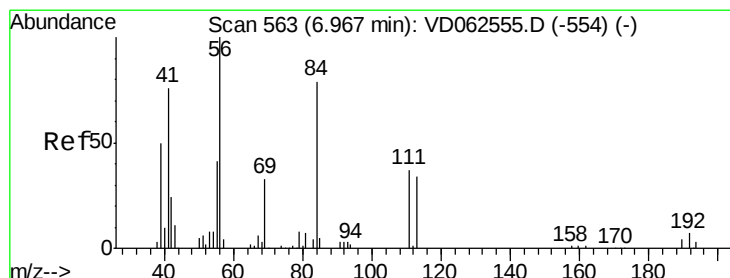
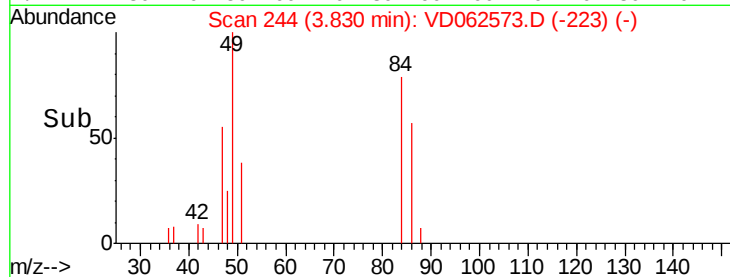
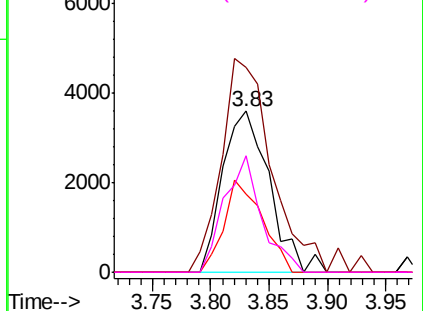
#20
Methvlene Chloride
Concen: 1.844 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062573.D
Acq: 31 May 2019 19:30

Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

Tot Ion: 84 Resp: 10036
Ion Ratio Lower Upper
84 100
49 127.3 112.3 168.5
51 48.4 33.6 50.4
86 72.7 50.4 75.6

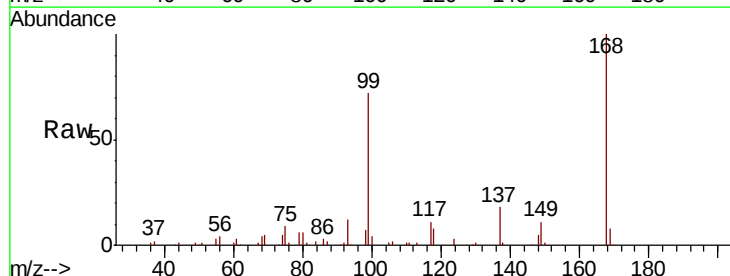


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

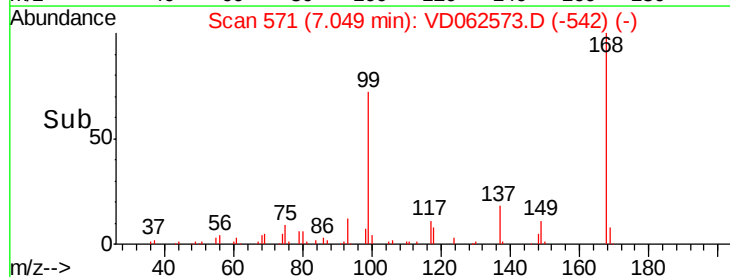
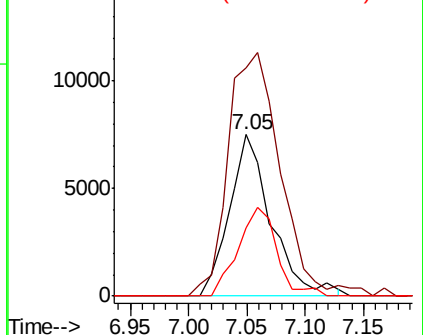


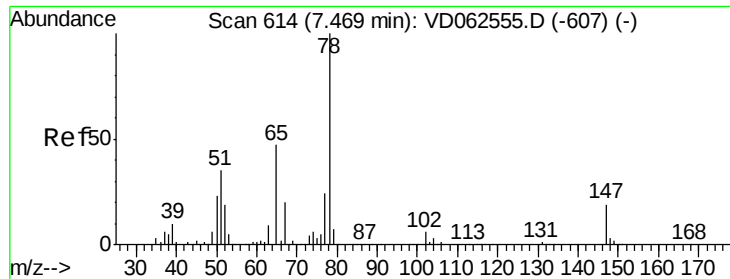
#31
Cyclohexane
Concen: 2.687 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD062573.D
Acq: 31 May 2019 19:30

Tgt Ion: 56 Resp: 18678
Ion Ratio Lower Upper
56 100
69 141.8 26.2 39.2#
84 42.4 65.2 97.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 42.162 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

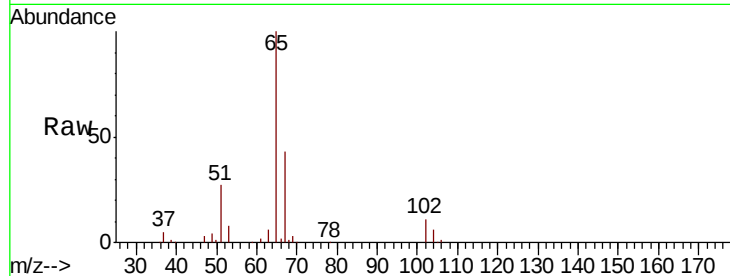
TP-1A-S2

Tot Ion: 65 Resp: 315534

Ion Ratio Lower Upper

65 100

67 42.6 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

120000

100000

80000

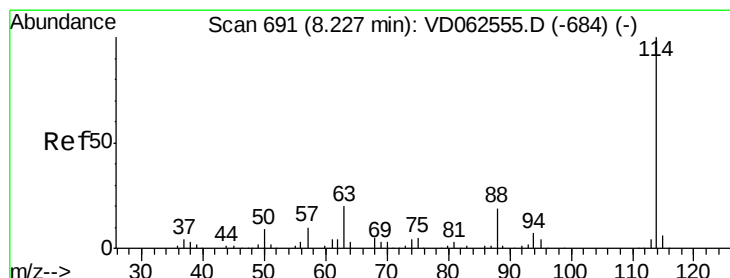
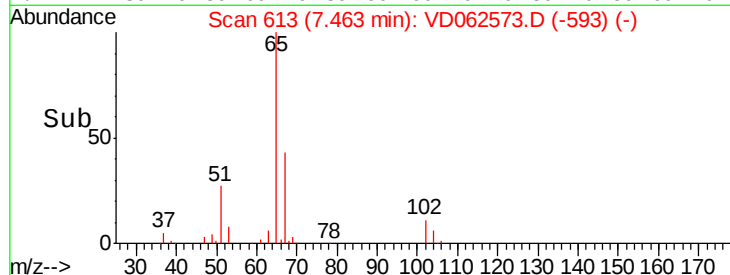
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

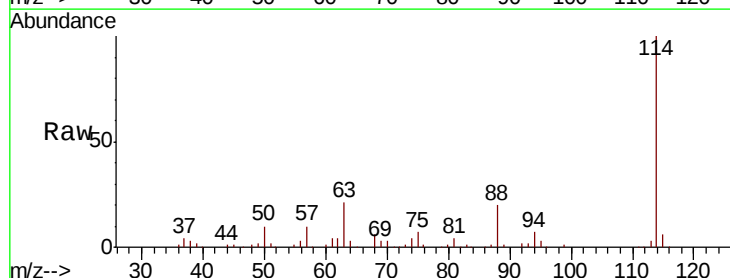
Tgt Ion: 114 Resp: 857091

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.6

88 19.8 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

400000

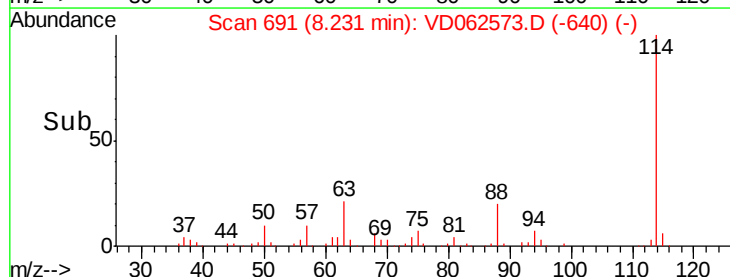
300000

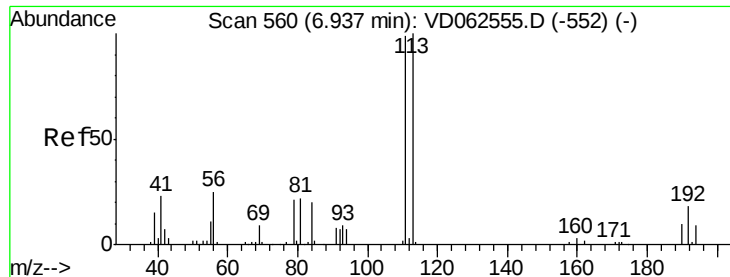
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 40.914 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

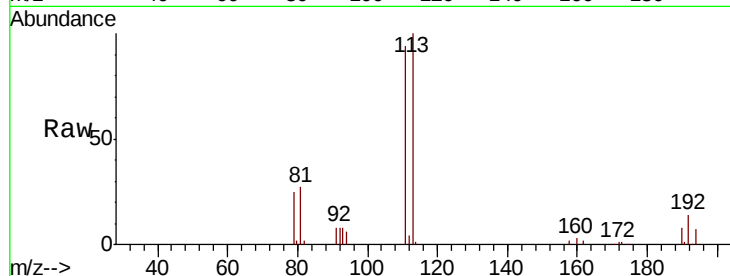
Tot Ion:113 Resp: 319551

Ion Ratio Lower Upper

113 100

111 93.8 78.8 118.2

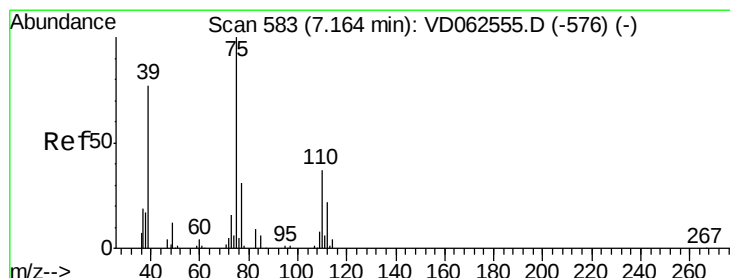
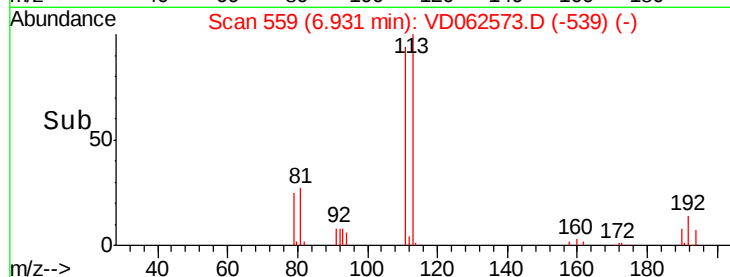
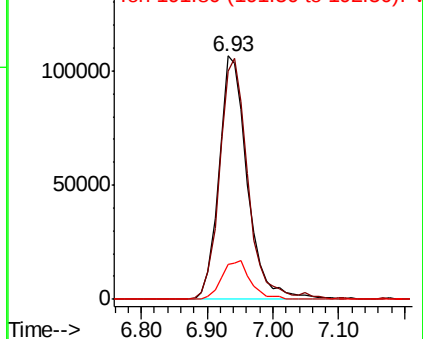
192 14.5 14.6 22.0#



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



#36

1,1-Dichloropropene

Concen: 6.282 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.10 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

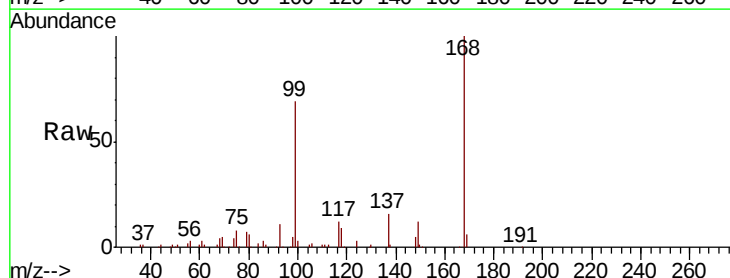
Tgt Ion: 75 Resp: 53599

Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

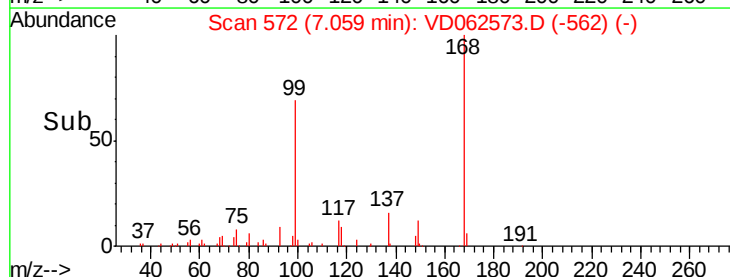
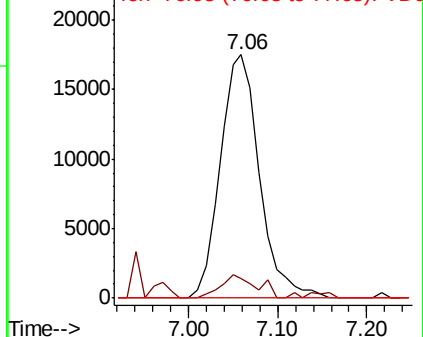
77 0.0 24.4 36.6#

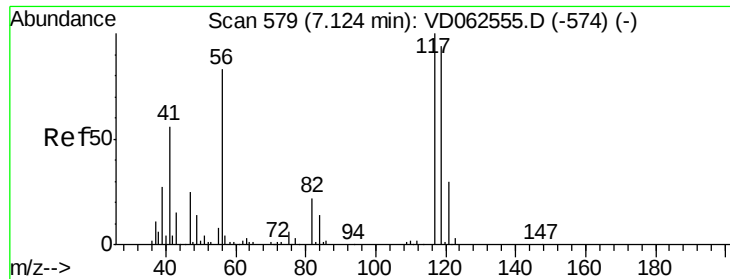


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

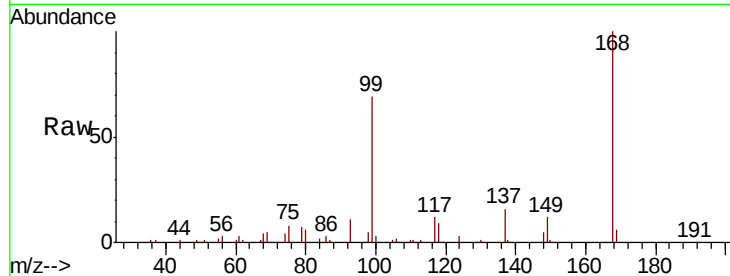




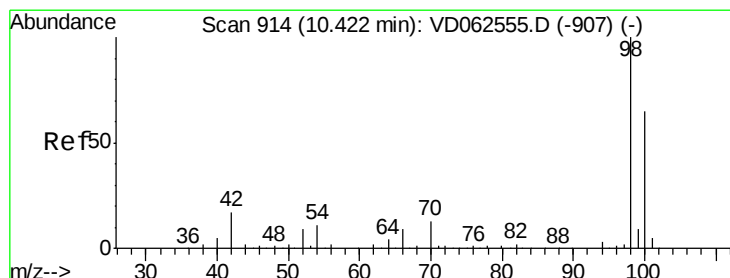
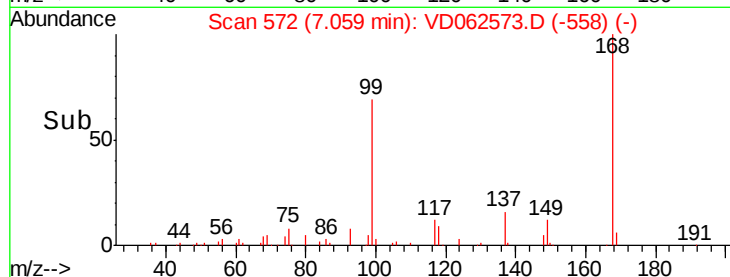
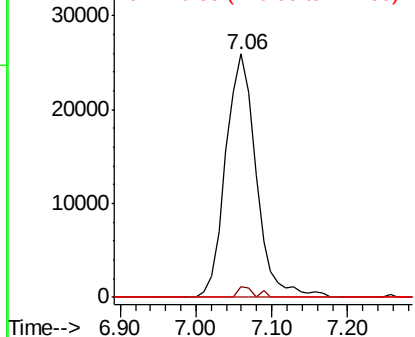
#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.07 min
Lab File: VD062573.D
Acq: 31 May 2019 19:30

Instrument :
MSVOA_D
ClientSampleId :
TP-1A-S2

Tot Ion:117 Resp: 72223
Ion Ratio Lower Upper
117 100
119 4.2 71.4 107.2#
121 0.0 22.5 33.7#

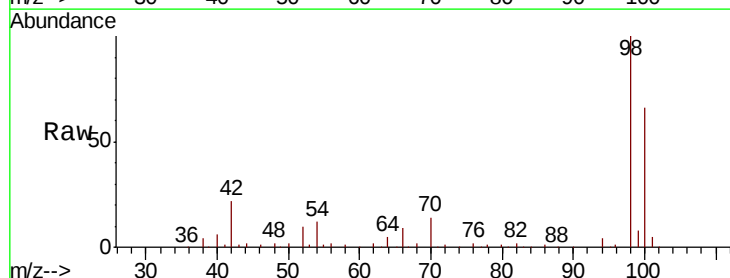


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

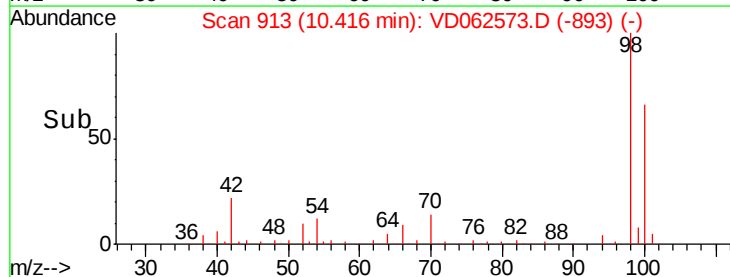
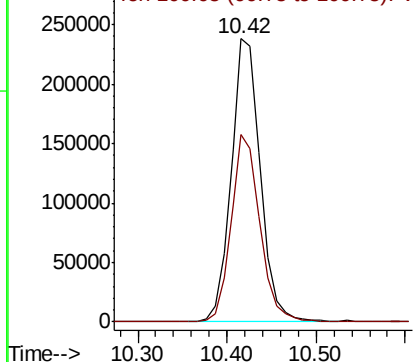


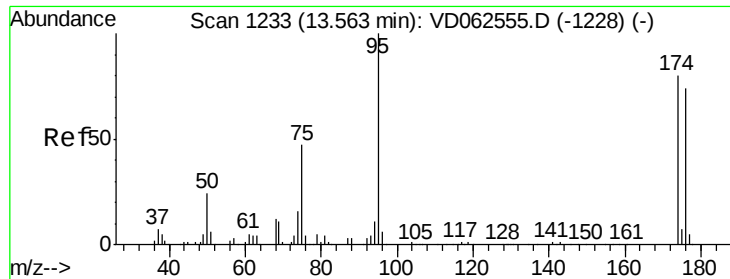
#50
Toluene-d8
Concen: 31.866 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062573.D
Acq: 31 May 2019 19:30

Tgt Ion: 98 Resp: 545318
Ion Ratio Lower Upper
98 100
100 66.2 52.3 78.5



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





#62

4-Bromofluorobenzene

Concen: 33.367 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

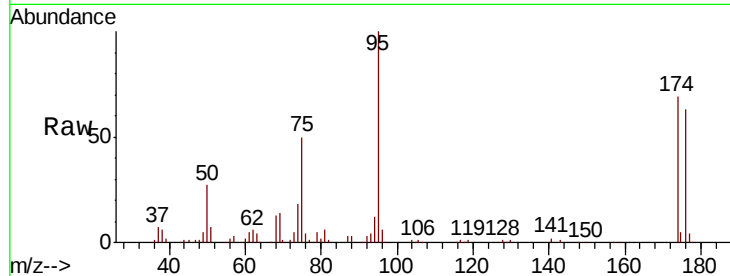
Tot Ion: 95 Resp: 257506

Ion Ratio Lower Upper

95 100

174 68.5 0.0 160.2

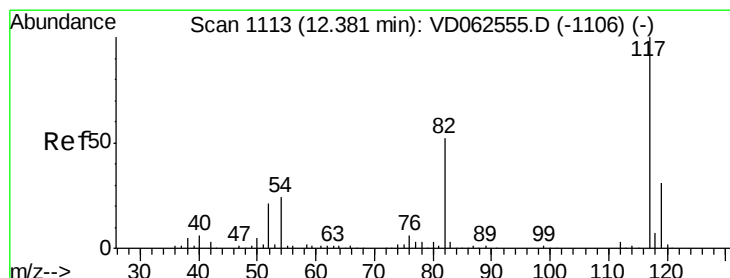
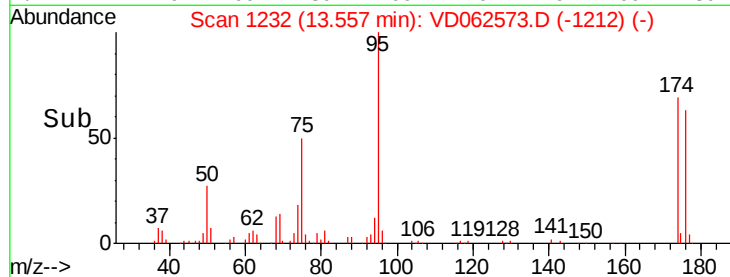
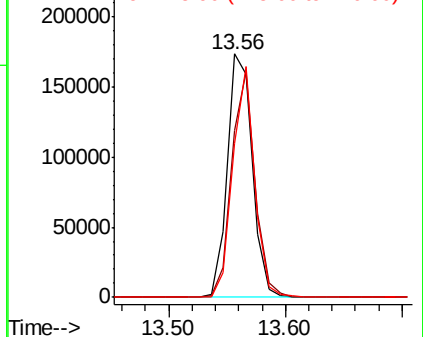
176 63.5 0.0 148.0



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: 12.38 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

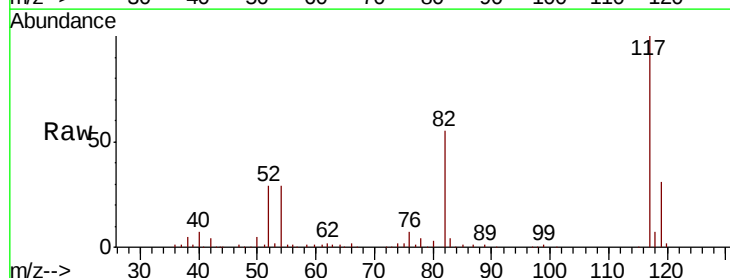
Tgt Ion: 117 Resp: 690363

Ion Ratio Lower Upper

117 100

82 54.9 41.4 62.2

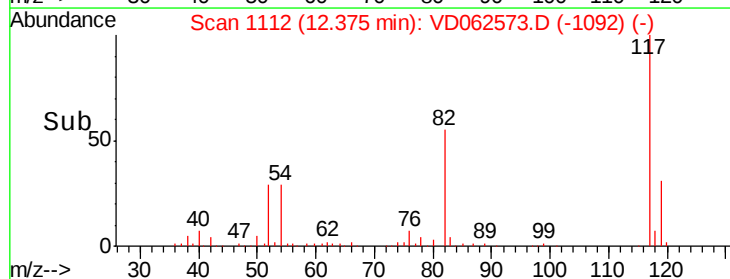
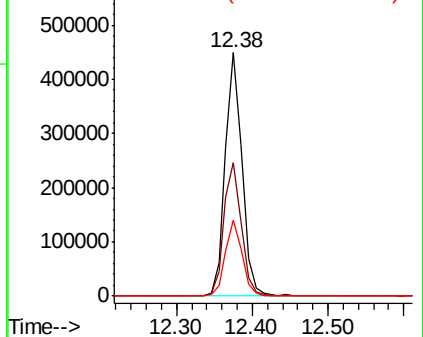
119 31.2 24.9 37.3

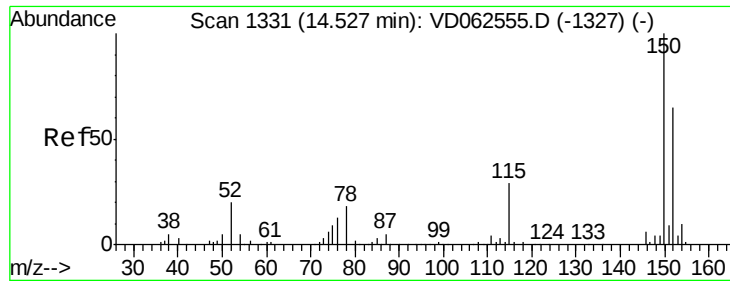


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062573.D

Acq: 31 May 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

TP-1A-S2

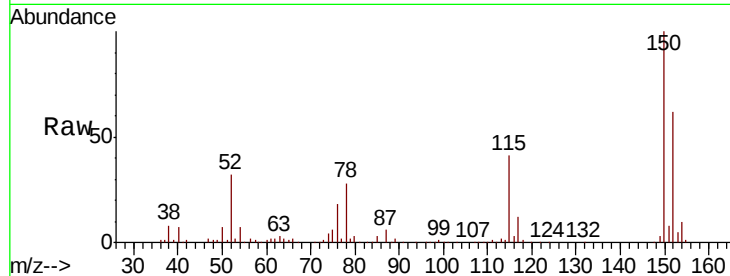
Tot Ion:152 Resp: 309492

Ion Ratio Lower Upper

152 100

115 67.1 28.4 85.3

150 162.4 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

500000

400000

300000

200000

100000

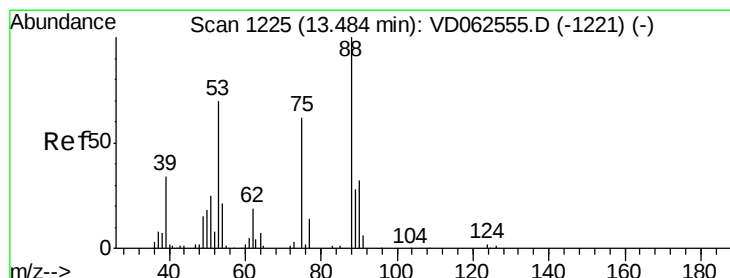
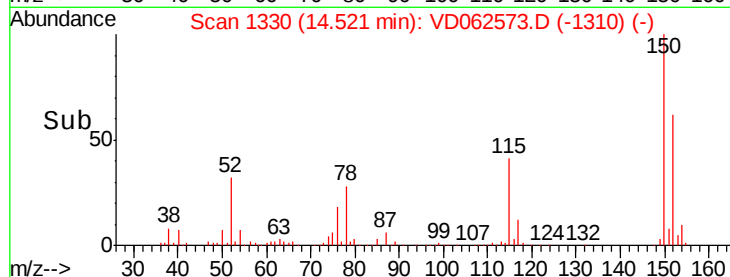
0

14.52

14.50

14.60

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 121.051 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062573.D

Acq: 31 May 2019 19:30

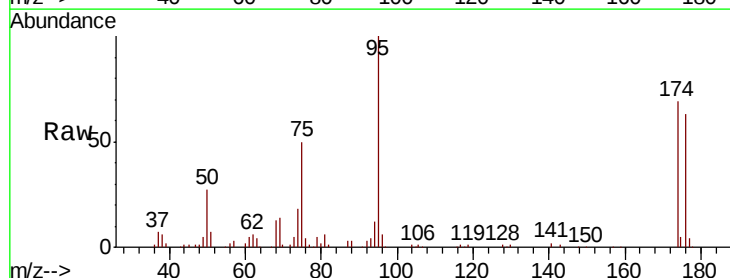
Tgt Ion: 75 Resp: 128790

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

120000

100000

80000

60000

40000

20000

0

13.56

13.50

13.60

Time-->

