

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062213.D
 Acq On : 10 May 2019 14:08
 Operator : FY/SY
 Sample : K2718-04RE
 Misc : 4.92g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS005-0206-01RE

Quant Time: May 10 23:32:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	682645	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	945933	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	586338	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	162950	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	360868	56.88	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	113.76%	
35) Dibromofluoromethane	6.92	113	458974	58.48	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	116.96%	
50) Toluene-d8	10.41	98	883772	46.70	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	13.55	95	245173	32.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	64.52%	

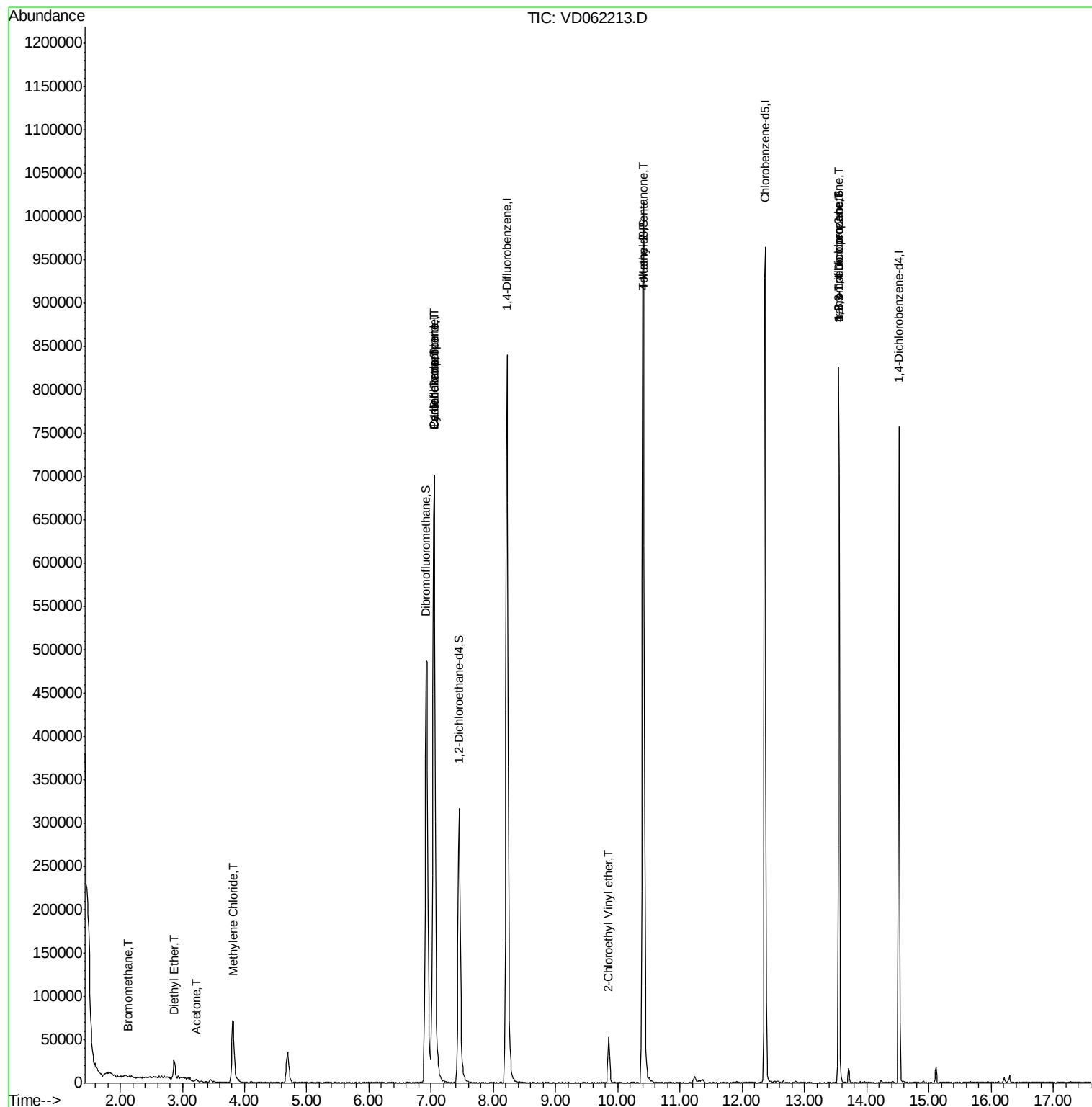
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	2254	2.075	ug/l #	12
8) Diethyl Ether	2.86	74	9830	5.655	ug/l	96
16) Acetone	3.22	43	7169	5.389	ug/l #	88
18) Methyl Acetate	3.64	43	179	Below Cal	#	53
20) Methylene Chloride	3.81	84	51139	9.206	ug/l	96
31) Cyclohexane	7.04	56	12833	1.928	ug/l #	9
36) 1,1-Dichloropropene	7.04	75	49445	6.375	ug/l #	47
38) Carbon Tetrachloride	7.05	117	66455	6.191	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	4917	1.640	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.85	63	27225	11.896	ug/l	100
76) 1,2,3-Trichloropropane	13.55	75	86513	44.674	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	106460	194.735	ug/l #	16

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051019\
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 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: VD062213.D

Acq: 10 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

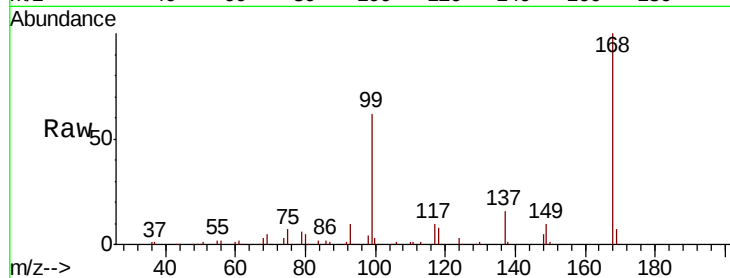
P026-SS005-0206-01RE

Tot Ion:168 Resp: 682645

Ion Ratio Lower Upper

168 100

99 62.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

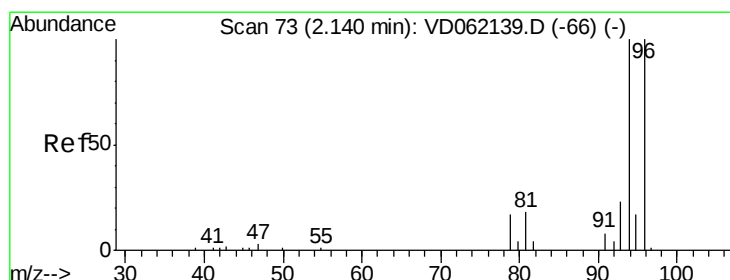
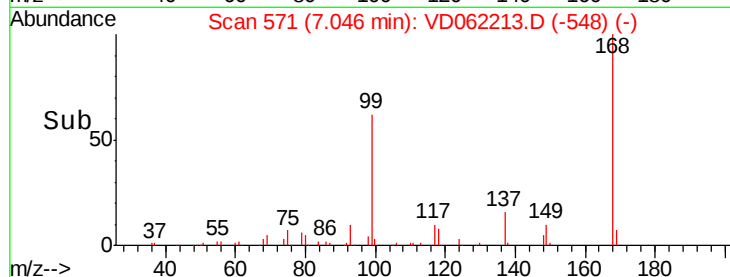
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 2.075 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

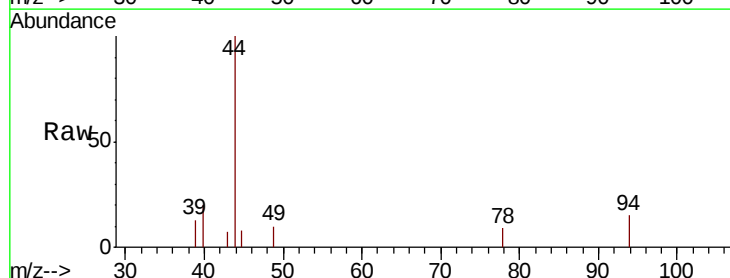
Tgt Ion: 94 Resp: 2254

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



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

800

600

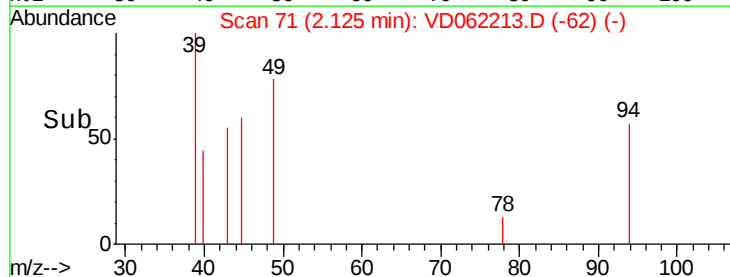
400

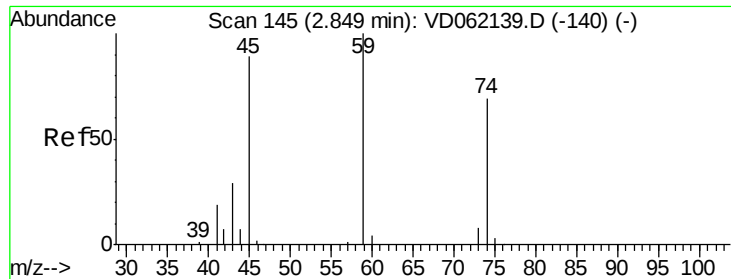
200

0

Time-->

2.05 2.10 2.15

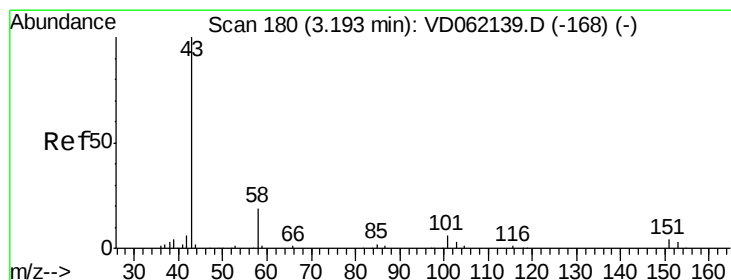
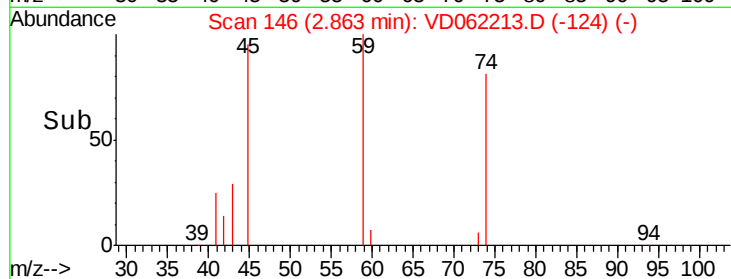
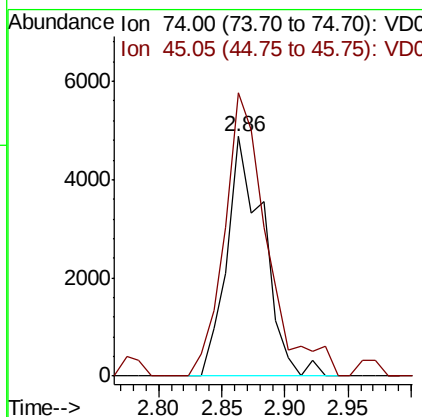
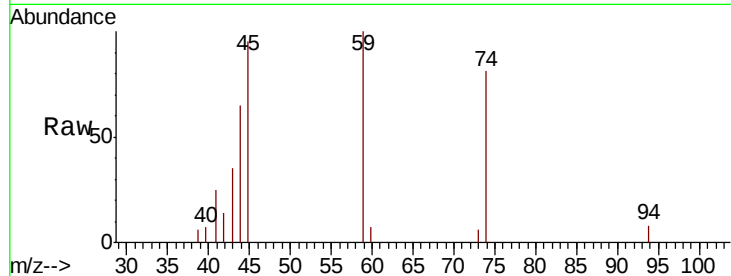




#8
Diethyl Ether
Concen: 5.655 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD062213.D
Acq: 10 May 2019 14:08

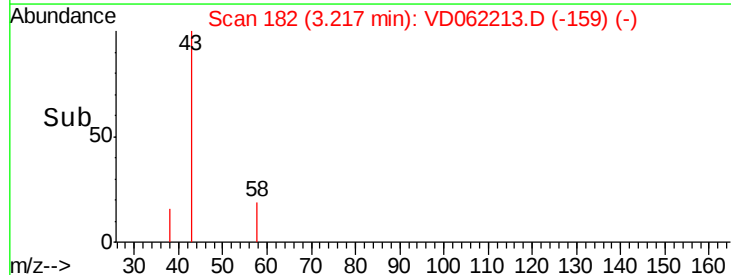
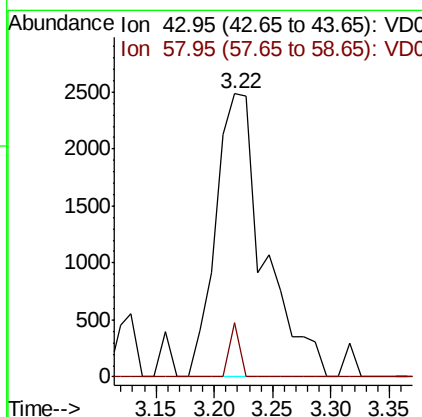
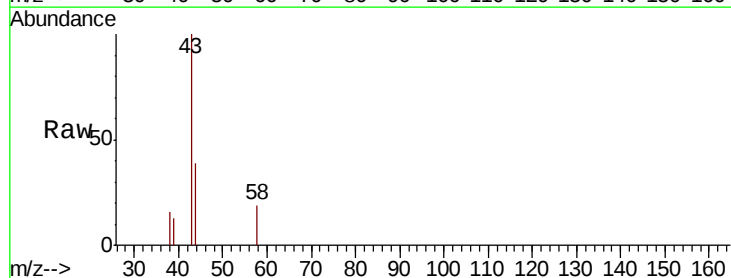
Instrument :
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P026-SS005-0206-01RE

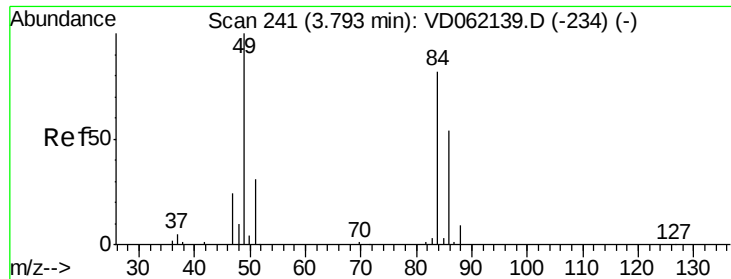
Tot Ion: 74 Resp: 9830
Ion Ratio Lower Upper
74 100
45 118.1 56.9 170.7



#16
Acetone
Concen: 5.389 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD062213.D
Acq: 10 May 2019 14:08

Tgt Ion: 43 Resp: 7169
Ion Ratio Lower Upper
43 100
58 19.0 19.9 29.9#

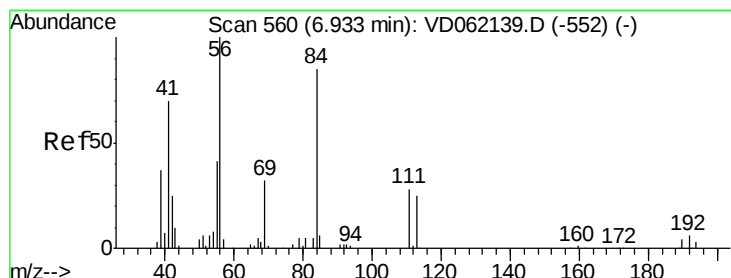
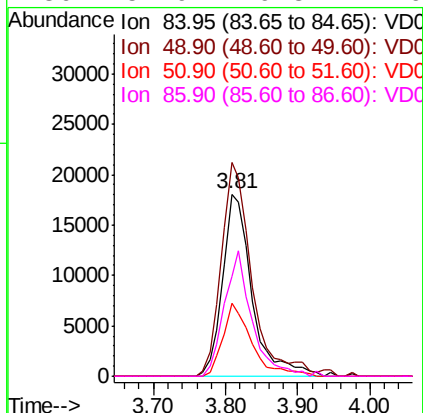
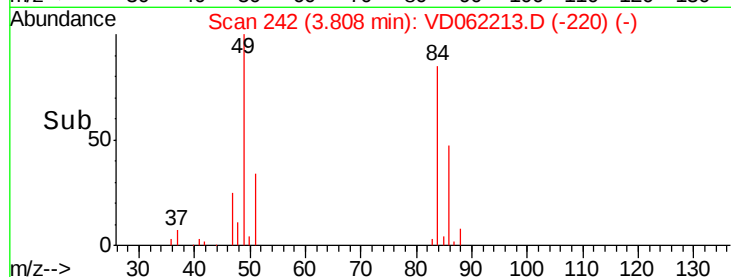
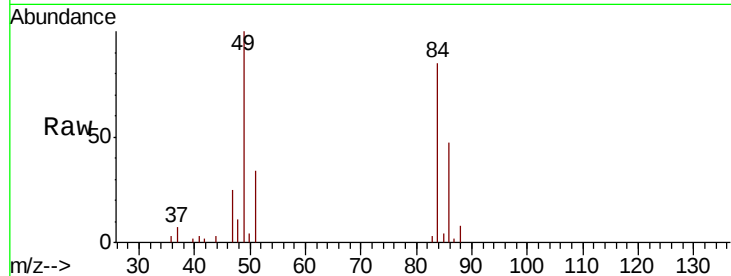




#20
Methvlene Chloride
Concen: 9.206 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062213.D
Acq: 10 May 2019 14:08

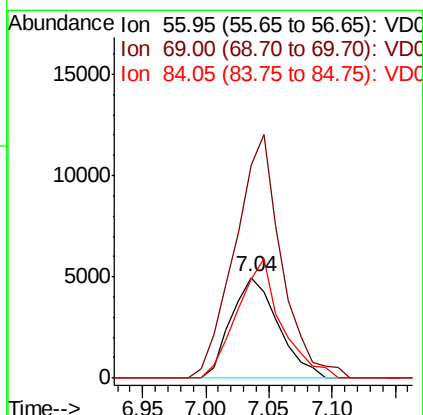
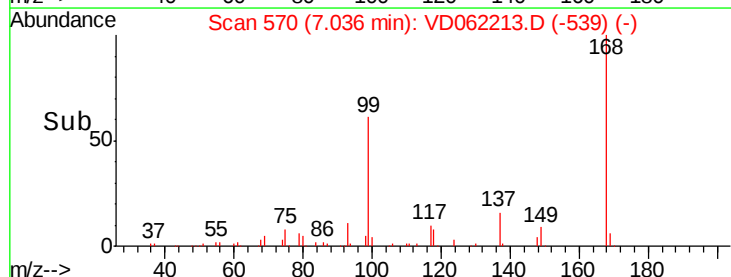
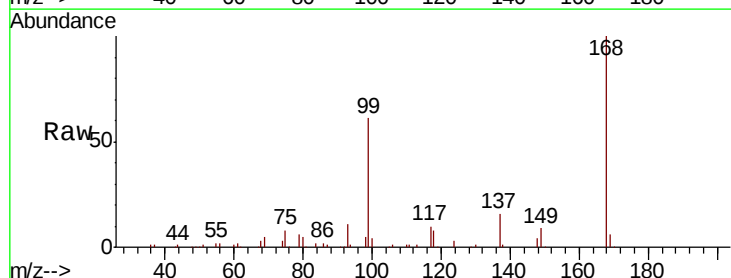
Instrument :
MSVOA_D
ClientSampleId :
P026-SS005-0206-01RE

Tot Ion:	84	Resp:	51139
Ion	Ratio	Lower	Upper
84	100		
49	117.3	94.0	141.0
51	40.3	29.0	43.4
86	54.9	49.8	74.6



#31
Cyclohexane
Concen: 1.928 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD062213.D
Acq: 10 May 2019 14:08

Tgt Ion:	56	Resp:	12833
Ion	Ratio	Lower	Upper
56	100		
69	211.8	25.8	38.6#
84	98.4	72.2	108.4





#33

1,2-Dichloroethane-d4

Concen: 56.884 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

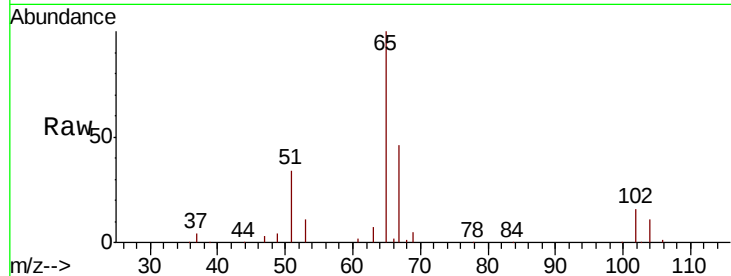
P026-SS005-0206-01RE

Tot Ion: 65 Resp: 360868

Ion Ratio Lower Upper

65 100

67 46.3 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

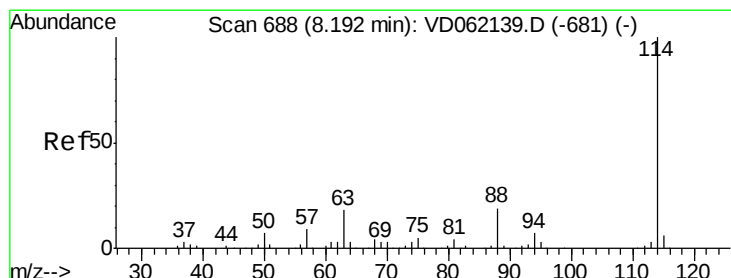
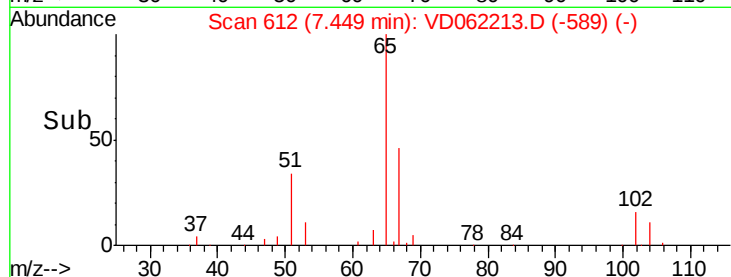
100000

50000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

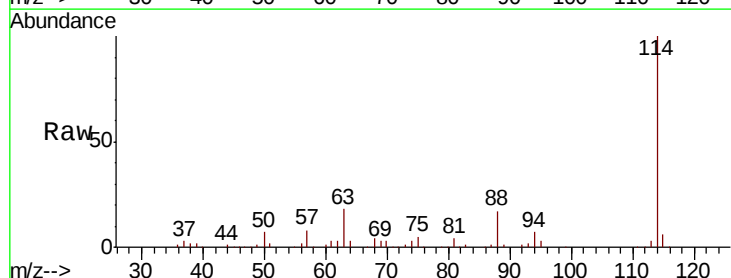
Tgt Ion: 114 Resp: 945933

Ion Ratio Lower Upper

114 100

63 17.7 0.0 32.4

88 17.4 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

500000

400000

300000

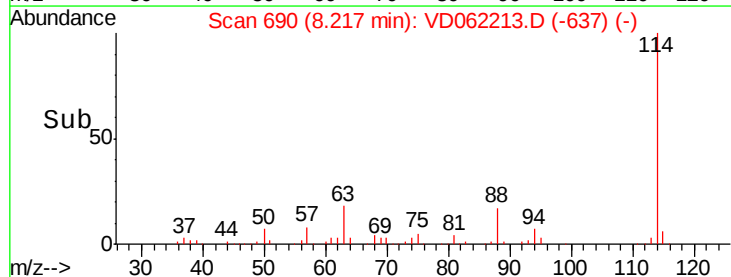
200000

100000

0

Time-->

8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 58.479 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

P026-SS005-0206-01RE

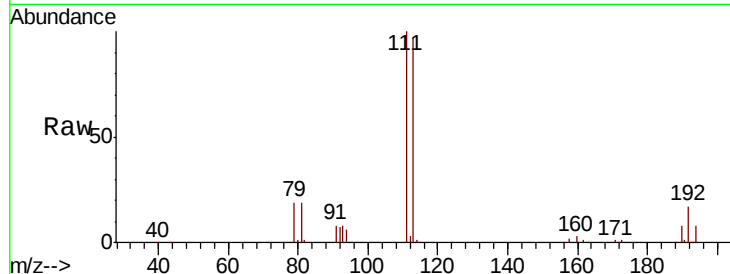
Tot Ion:113 Resp: 458974

Ion Ratio Lower Upper

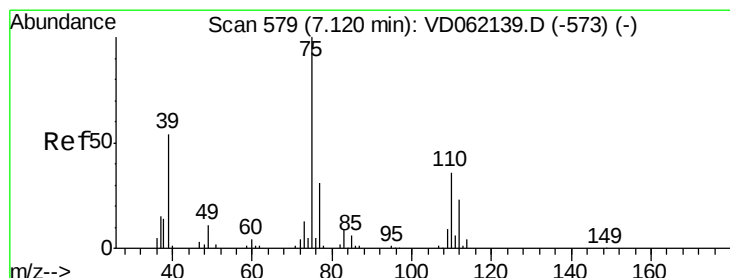
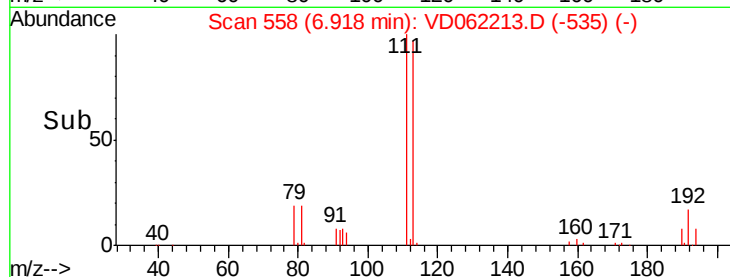
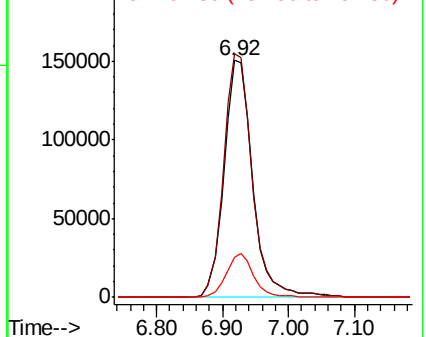
113 100

111 102.8 78.5 117.7

192 17.1 13.0 19.4



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: 6.375 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

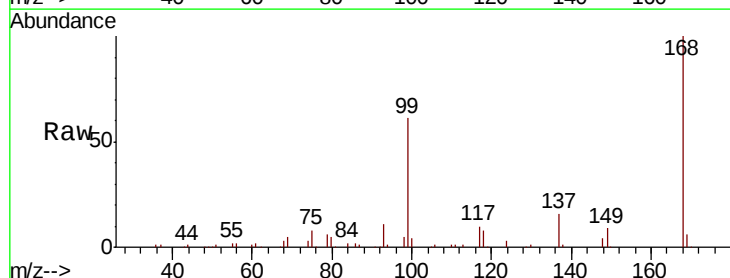
Tgt Ion: 75 Resp: 49445

Ion Ratio Lower Upper

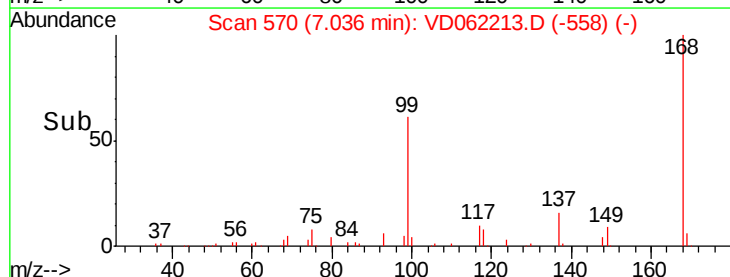
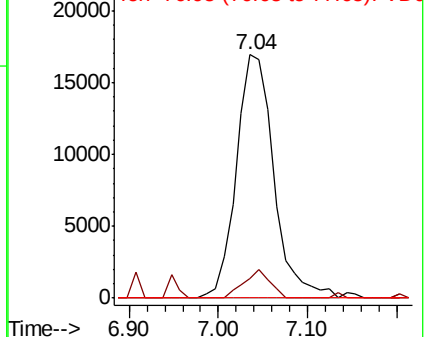
75 100

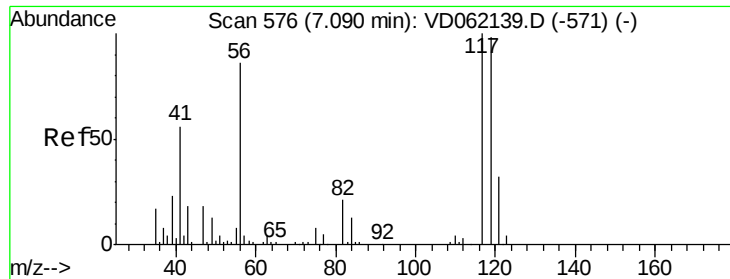
110 7.8 19.1 57.1#

77 0.0 25.6 38.4#



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

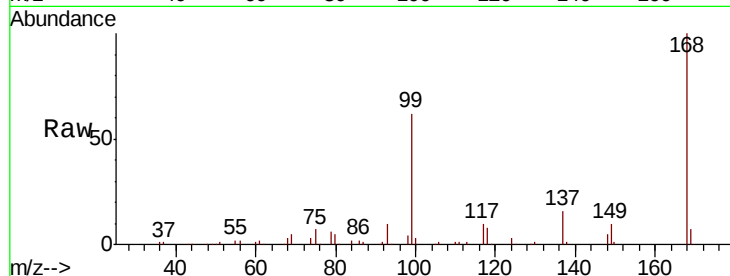




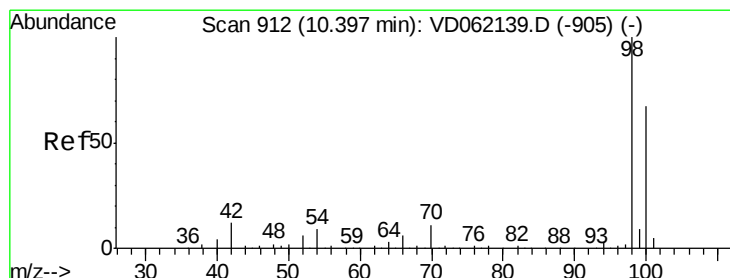
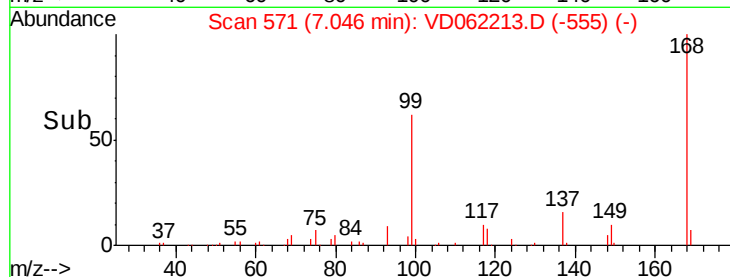
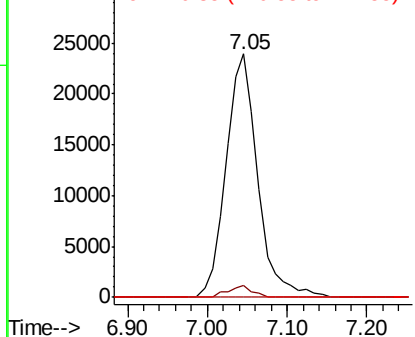
#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD062213.D
Acq: 10 May 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
P026-SS005-0206-01RE

Tot Ion:117 Resp: 66455
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 25.9 38.9#

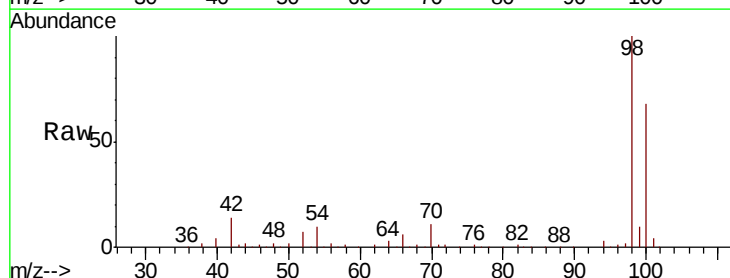


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

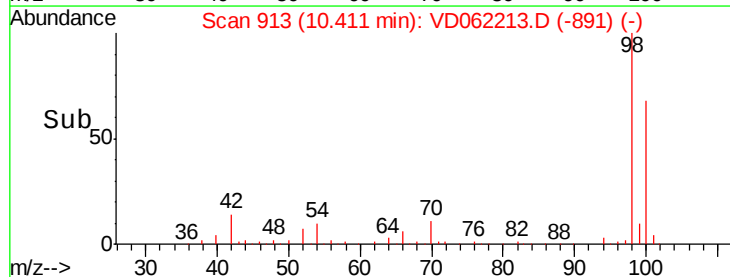
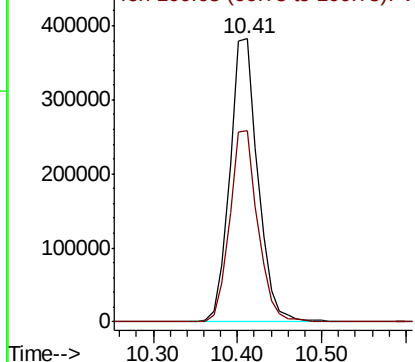


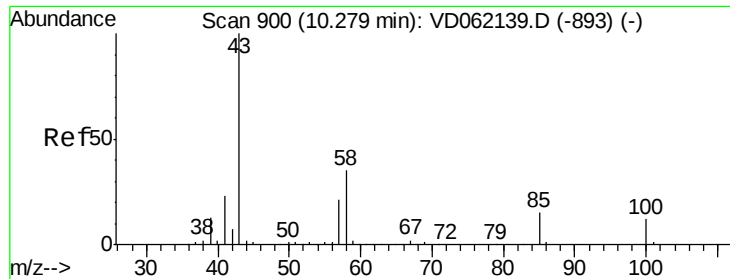
#50
Toluene-d8
Concen: 46.703 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062213.D
Acq: 10 May 2019 14:08

Tgt Ion: 98 Resp: 883772
Ion Ratio Lower Upper
98 100
100 67.6 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.640 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.13 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

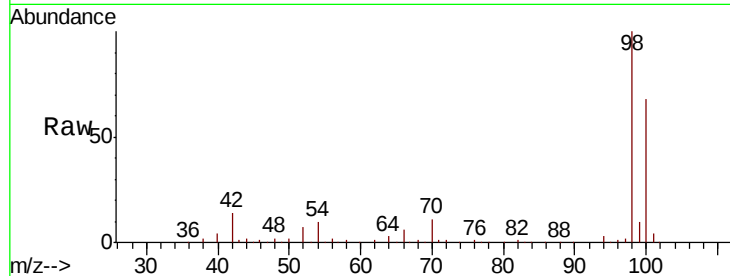
P026-SS005-0206-01RE

Tot Ion: 43 Resp: 4917

Ion Ratio Lower Upper

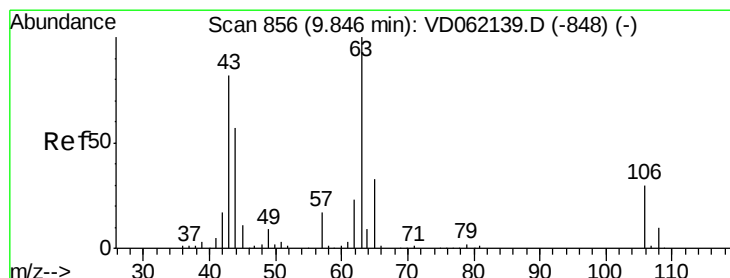
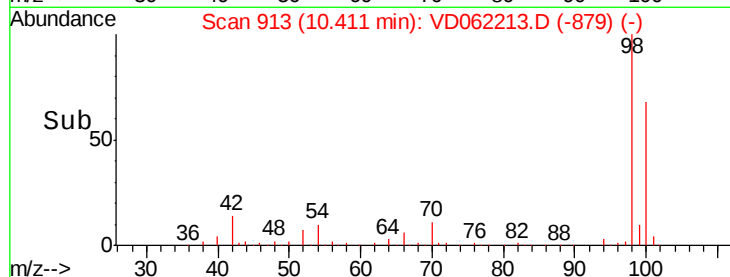
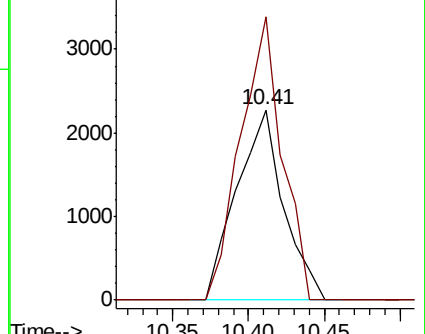
43 100

58 148.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 11.896 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD062213.D

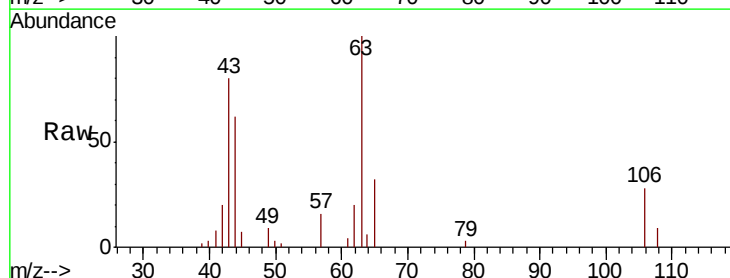
Acq: 10 May 2019 14:08

Tgt Ion: 63 Resp: 27225

Ion Ratio Lower Upper

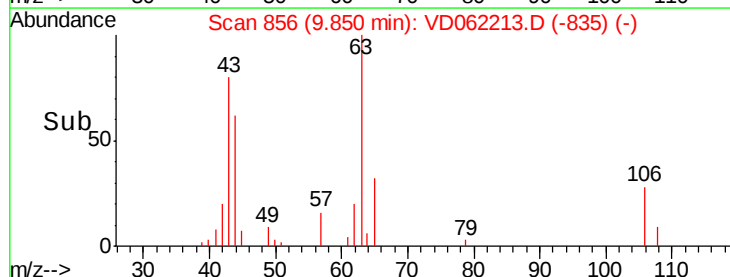
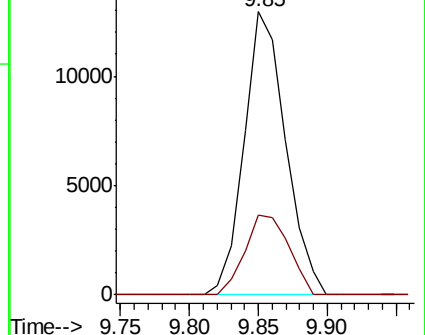
63 100

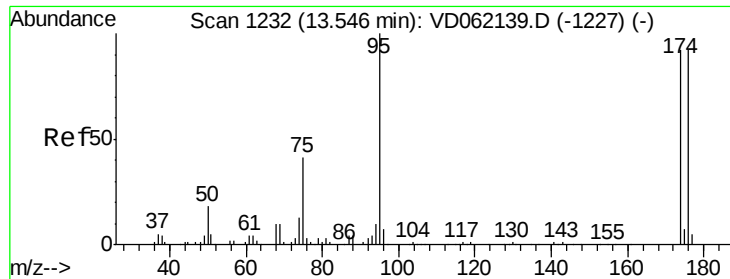
106 28.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#62

4-Bromofluorobenzene

Concen: 32.264 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

P026-SS005-0206-01RE

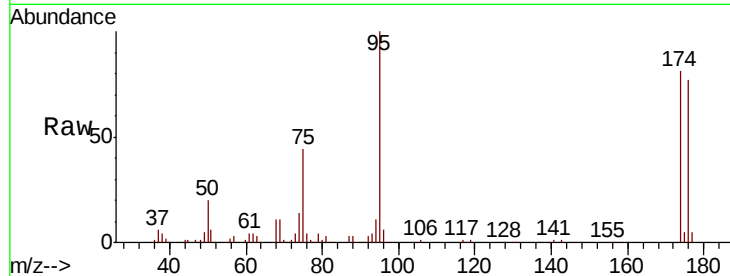
Tot Ion: 95 Resp: 245173

Ion Ratio Lower Upper

95 100

174 80.8 0.0 181.8

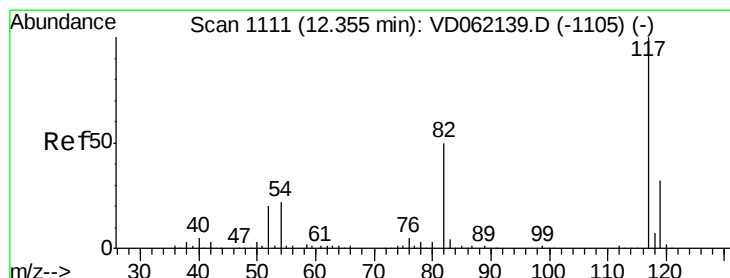
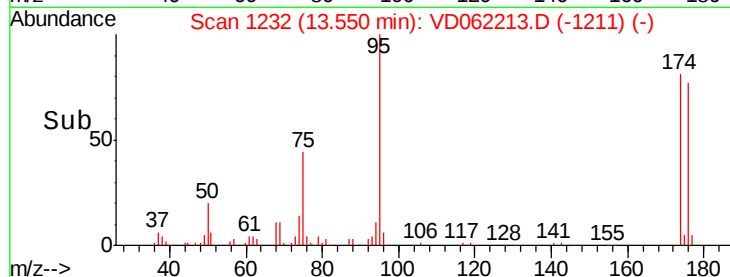
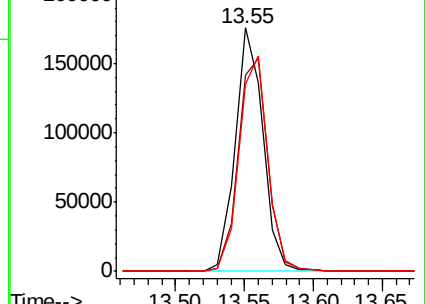
176 76.7 0.0 174.4



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. 0.01 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

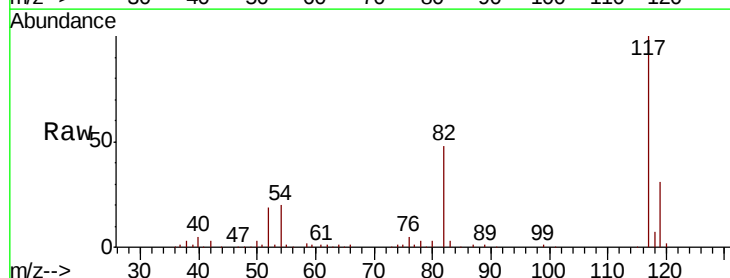
Tgt Ion: 117 Resp: 586338

Ion Ratio Lower Upper

117 100

82 48.1 36.2 54.2

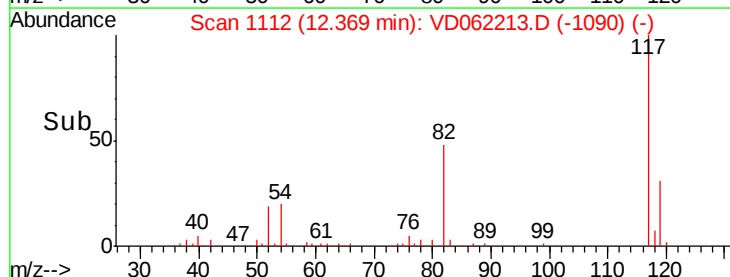
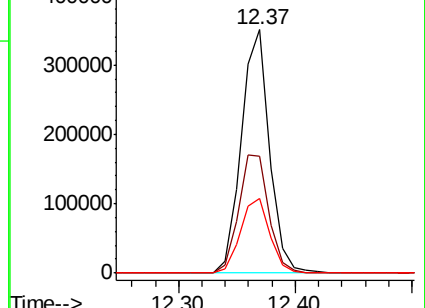
119 30.9 26.2 39.4

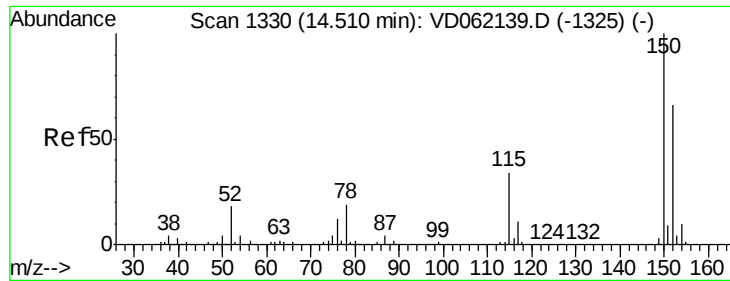


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

P026-SS005-0206-01RE

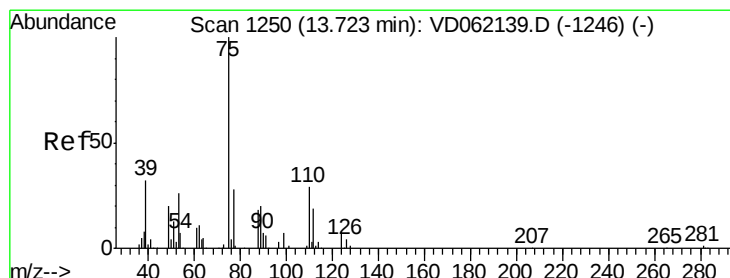
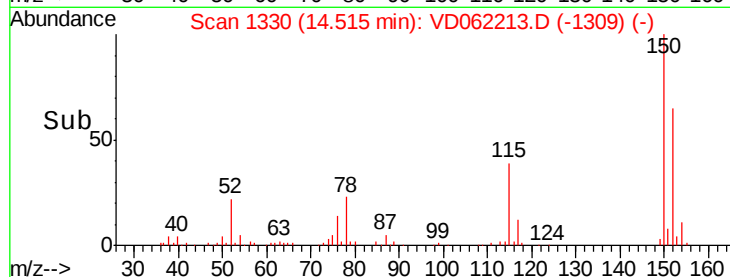
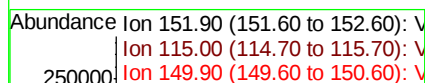
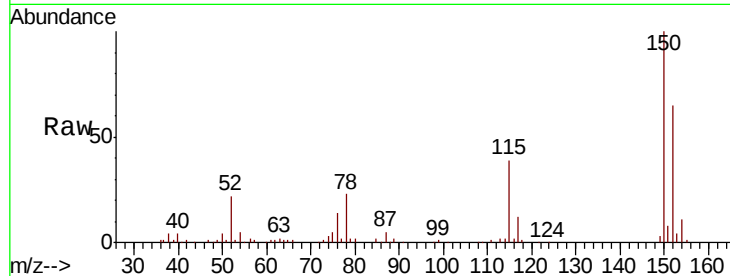
Tot Ion:152 Resp: 162950

Ion Ratio Lower Upper

152 100

115 59.3 30.9 92.7

150 153.8 0.0 314.8



#76

1,2,3-Trichloropropane

Concen: 44.674 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062213.D

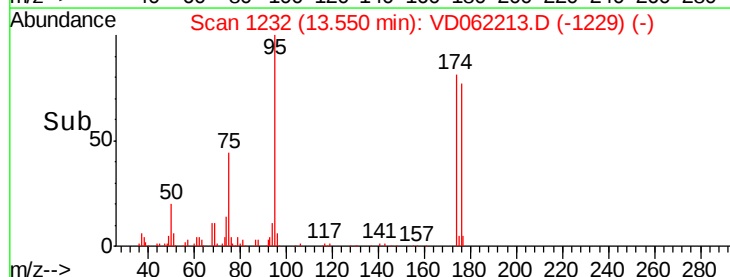
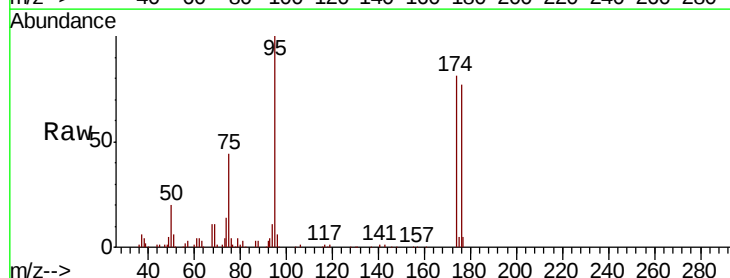
Acq: 10 May 2019 14:08

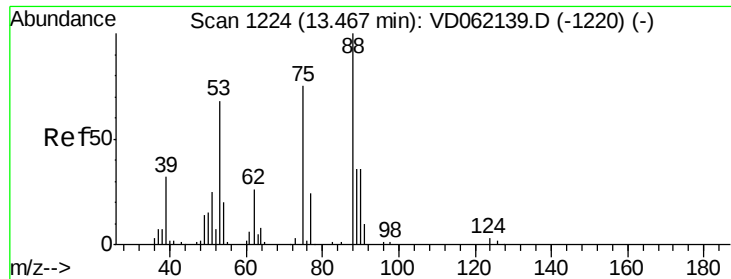
Tgt Ion: 75 Resp: 86513

Ion Ratio Lower Upper

75 100

77 1.2 16.4 49.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 194.735 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062213.D

Acq: 10 May 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

P026-SS005-0206-01RE

Tot Ion: 75 Resp: 106460

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

