

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062812.D
 Acq On : 21 Jun 2019 13:20
 Operator : VA/AP
 Sample : K3455-07RE
 Misc : 6.08g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-GISRE

Quant Time: Jun 22 04:13:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	505951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	621103	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	350070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	93395	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	302673	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	
35) Dibromofluoromethane	6.94	113	313621	59.88	ug/l	0.00
Spiked Amount			Recovery	=	119.76%	
50) Toluene-d8	10.42	98	509444	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	
62) 4-Bromofluorobenzene	13.56	95	138491	26.72	ug/l	0.00
Spiked Amount			Recovery	=	53.44%	

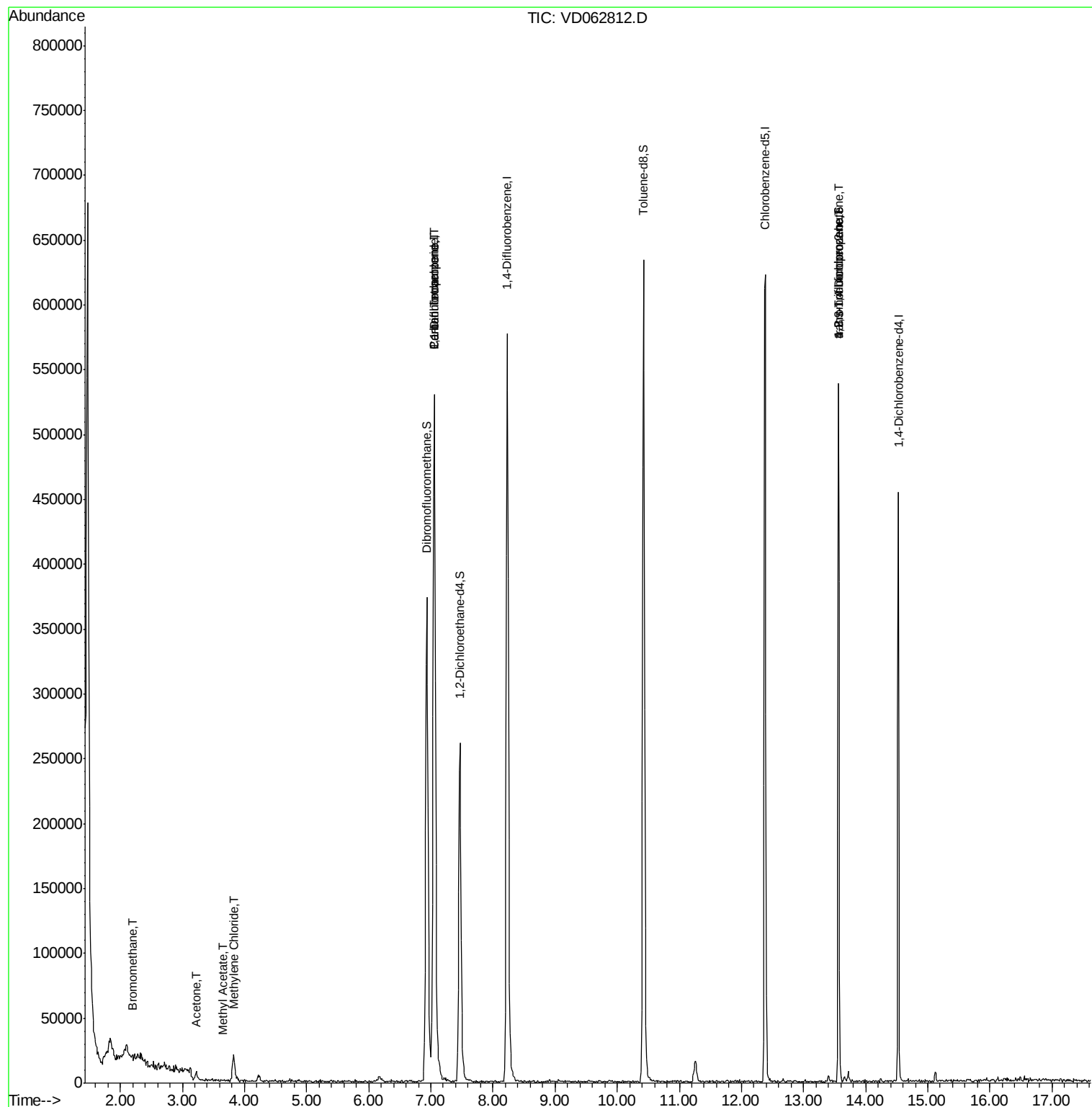
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	2767	1.210	ug/l #	13
16) Acetone	3.23	43	9449	1.519	ug/l #	80
18) Methyl Acetate	3.65	43	2270	1.367	ug/l #	58
20) Methylene Chloride	3.82	84	11710	2.792	ug/l #	76
36) 1,1-Dichloropropene	7.05	75	42333	7.200	ug/l #	54
37) Ethyl Acetate	6.22	43	233	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	49727	5.624	ug/l #	18
76) 1,2,3-Trichloropropane	13.56	75	54304	50.366	ug/l #	47
81) trans-1,4-Dichloro-2-buten	13.56	75	67898	240.284	ug/l #	2

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062812.D

Acq: 21 Jun 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

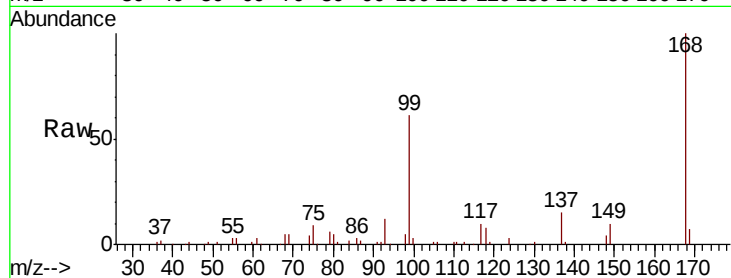
TP-4-GISRE

Tot Ion:168 Resp: 505951

Ion Ratio Lower Upper

168 100

99 60.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

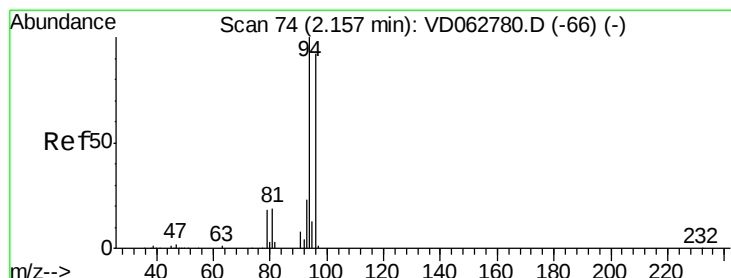
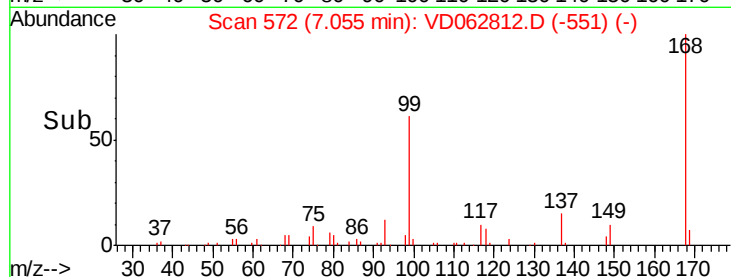
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 1.210 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.03 min

Lab File: VD062812.D

Acq: 21 Jun 2019 13:20

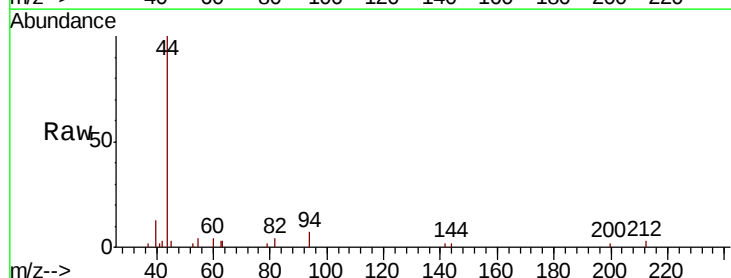
Tgt Ion: 94 Resp: 2767

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



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

1200

1000

800

600

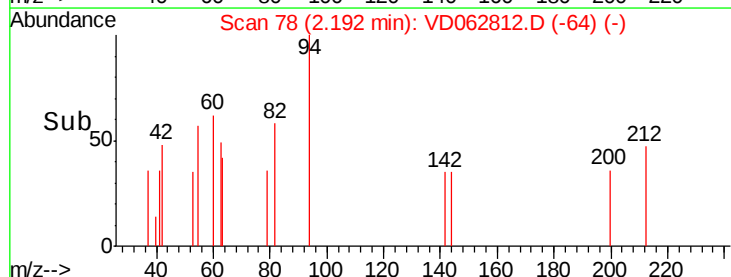
400

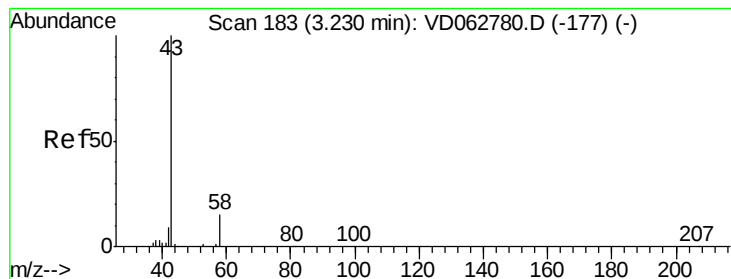
200

0

2.15 2.20

Time-->





#16

Acetone

Concen: 1.519 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062812.D

Acq: 21 Jun 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

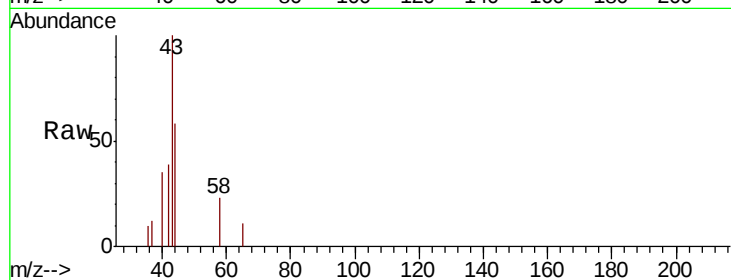
TP-4-GISRE

Tot Ion: 43 Resp: 9449

Ion Ratio Lower Upper

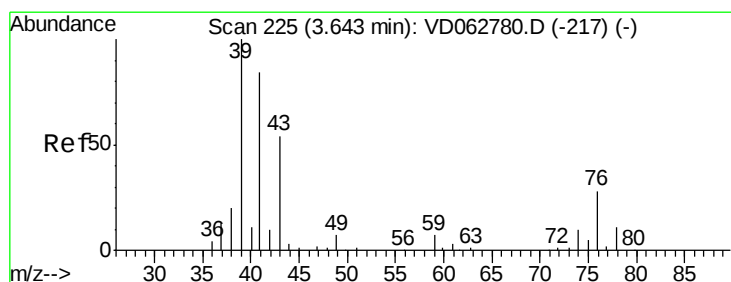
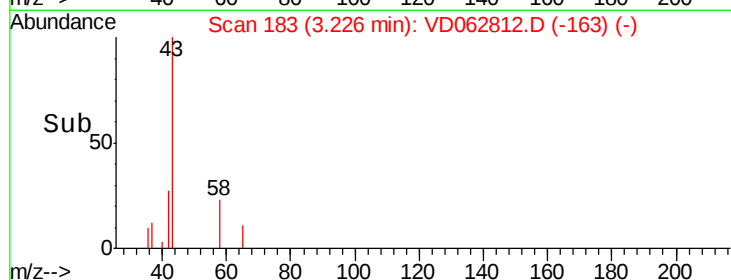
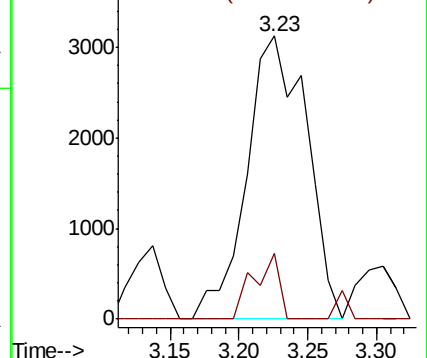
43 100

58 23.1 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.367 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062812.D

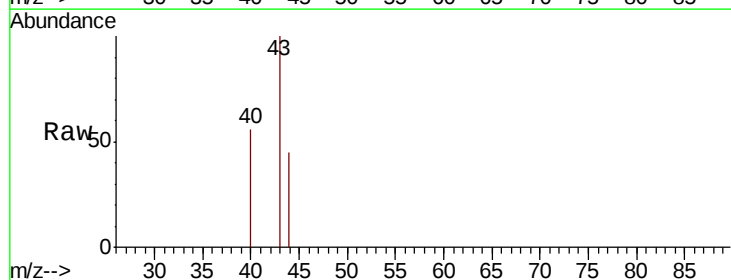
Acq: 21 Jun 2019 13:20

Tgt Ion: 43 Resp: 2270

Ion Ratio Lower Upper

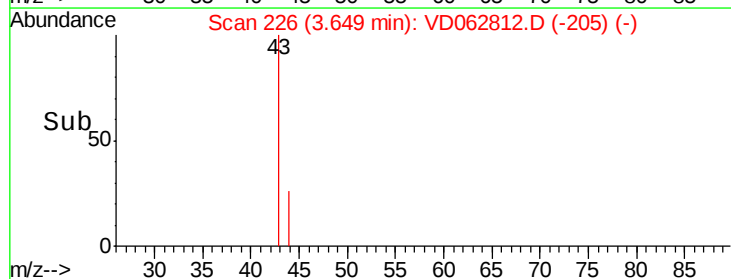
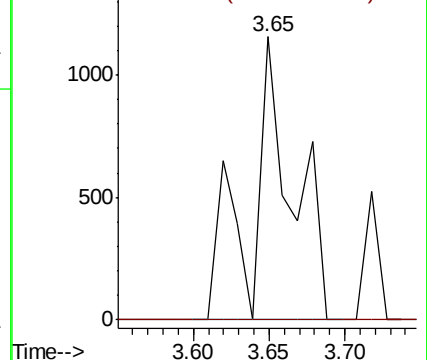
43 100

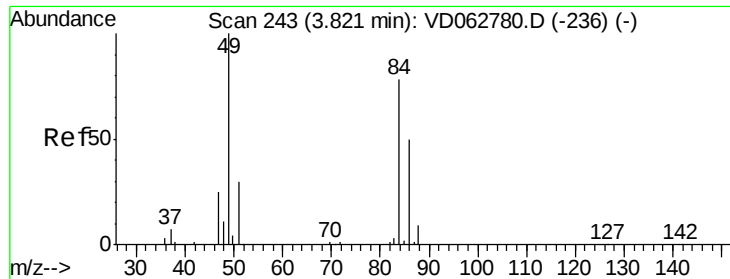
74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

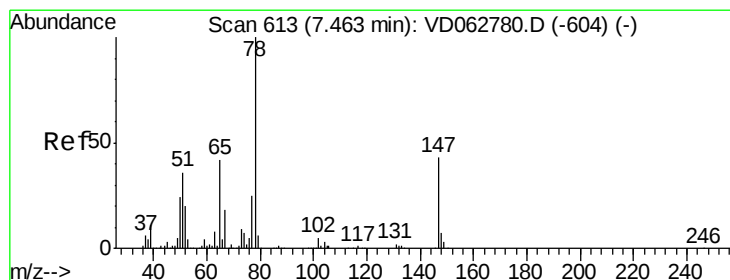
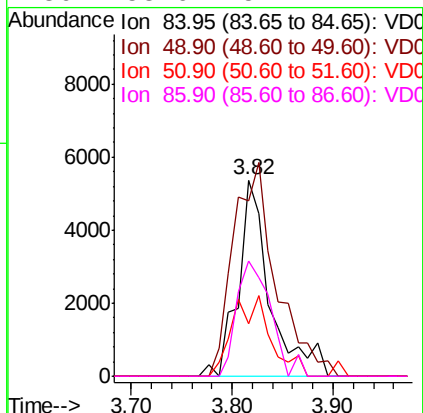
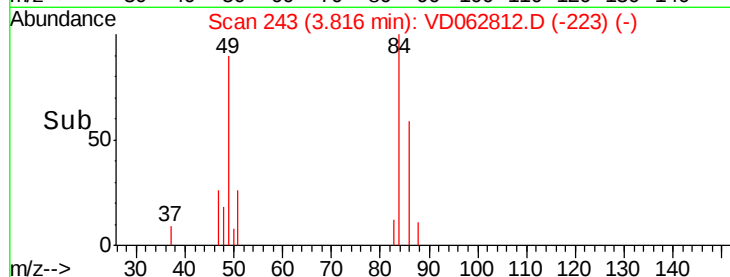
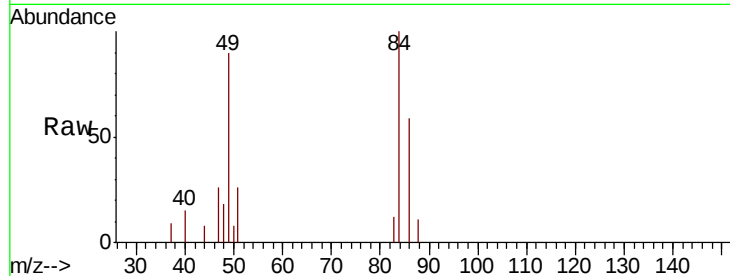




#20
Methylene Chloride
Concen: 2.792 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062812.D
Acq: 21 Jun 2019 13:20

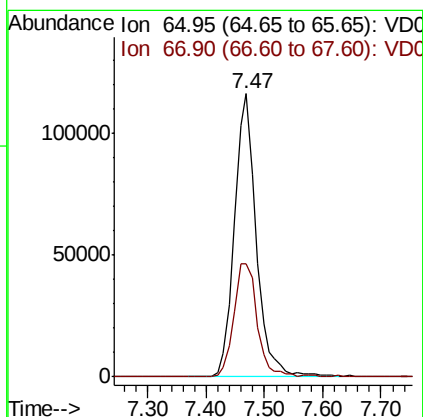
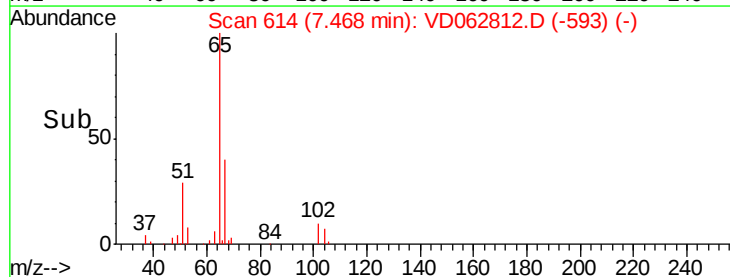
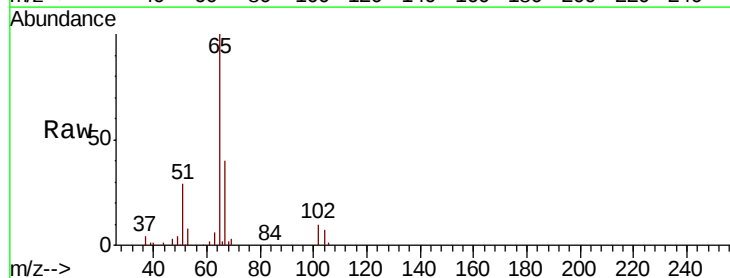
Instrument :
MSVOA_D
ClientSampleId :
TP-4-GISRE

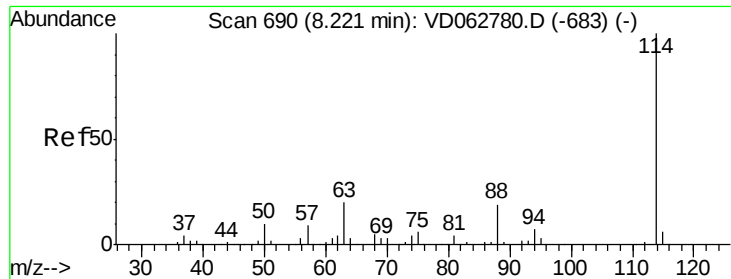
Tot Ion: 84 Resp: 11710
Ion Ratio Lower Upper
84 100
49 89.6 102.9 154.3#
51 26.4 31.2 46.8#
86 58.6 51.4 77.2



#33
1,2-Dichloroethane-d4
Concen: 55.035 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062812.D
Acq: 21 Jun 2019 13:20

Tgt Ion: 65 Resp: 302673
Ion Ratio Lower Upper
65 100
67 40.0 0.0 87.4

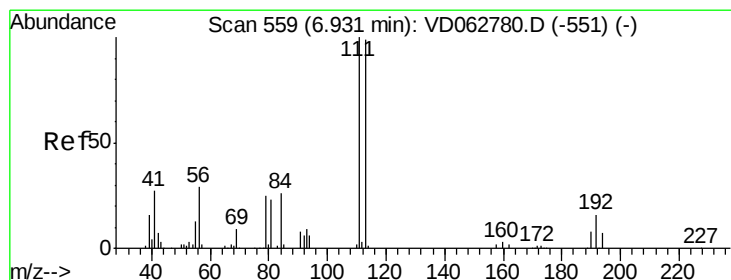
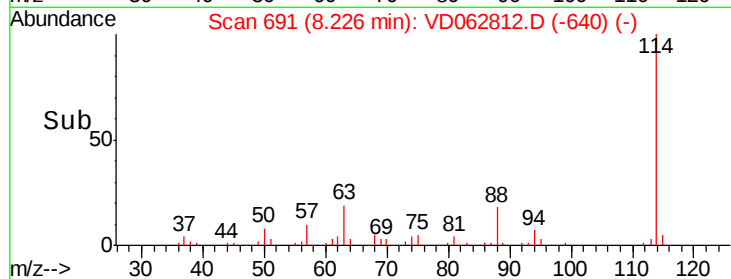
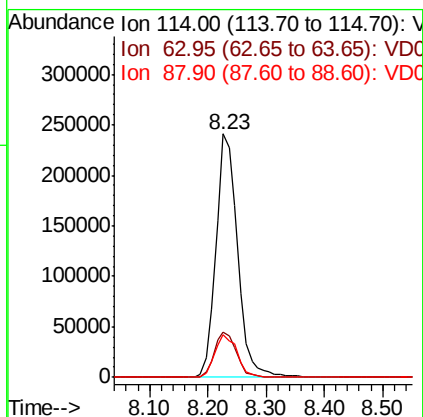
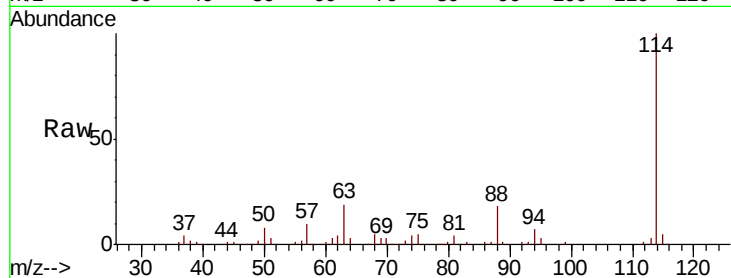




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062812.D
 Acq: 21 Jun 2019 13:20

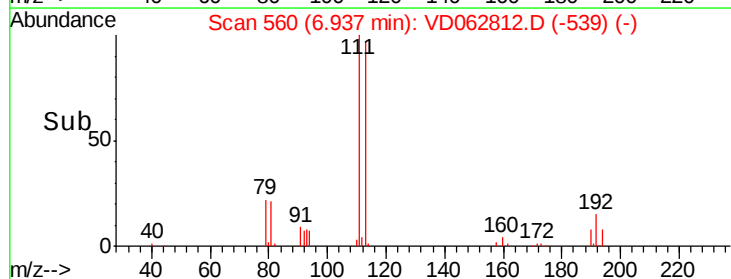
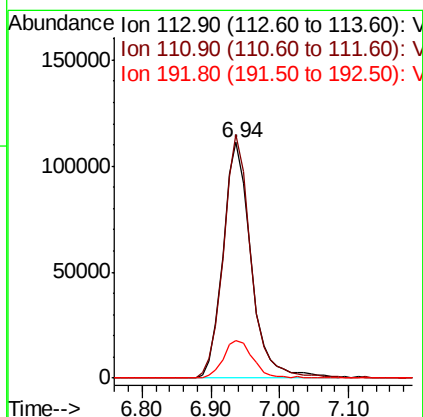
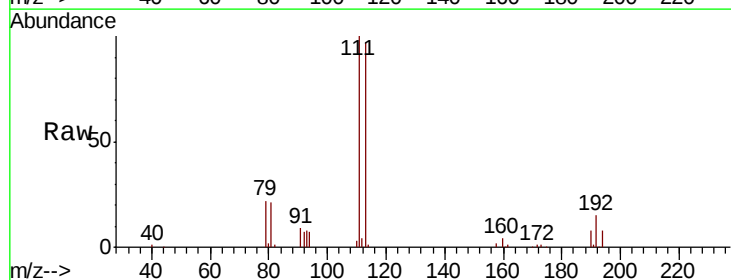
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-GISRE

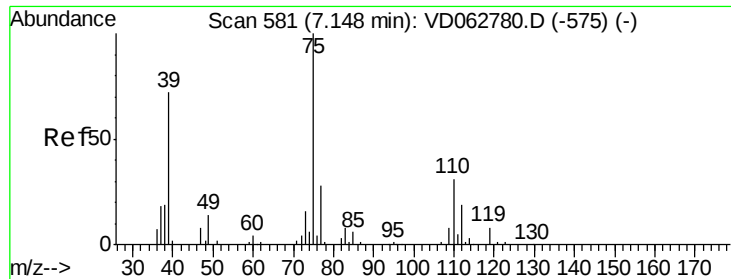
Tot Ion:114 Resp: 621103
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.0
 88 17.5 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 59.884 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD062812.D
 Acq: 21 Jun 2019 13:20

Tgt Ion:113 Resp: 313621
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.2 121.8
 192 16.0 12.9 19.3





#36

1,1-Dichloropropene

Concen: 7.200 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD062812.D

Acq: 21 Jun 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

TP-4-GISRE

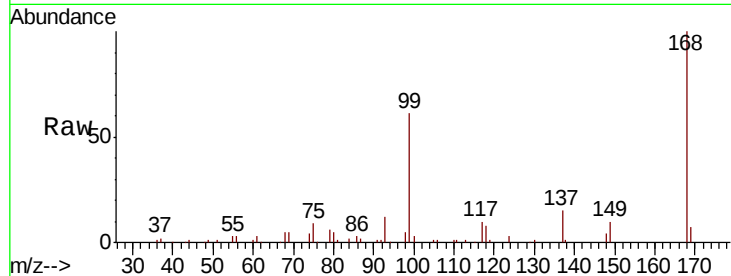
Tot Ion: 75 Resp: 42333

Ion Ratio Lower Upper

75 100

110 8.5 15.0 45.1#

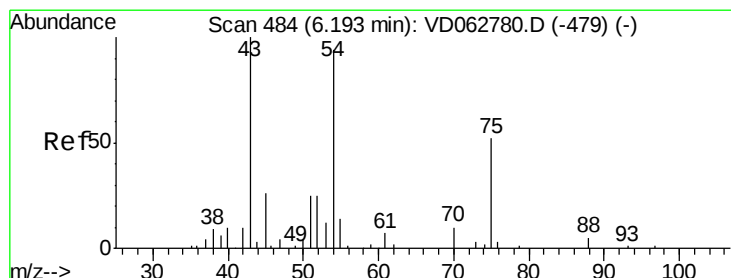
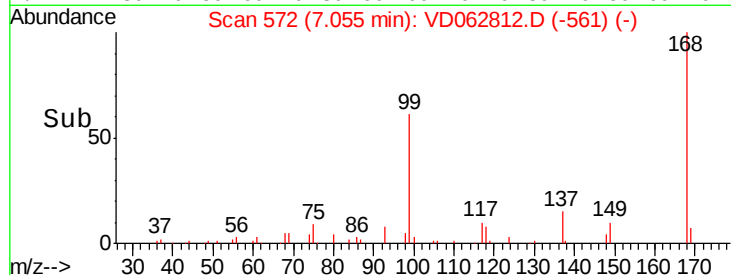
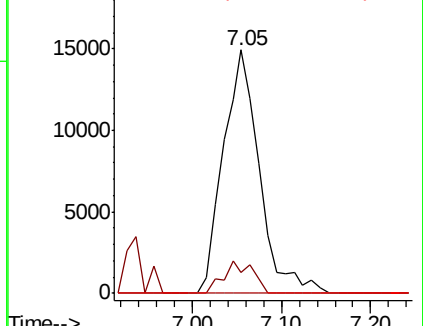
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.22 min Scan# 487

Delta R.T. 0.03 min

Lab File: VD062812.D

Acq: 21 Jun 2019 13:20

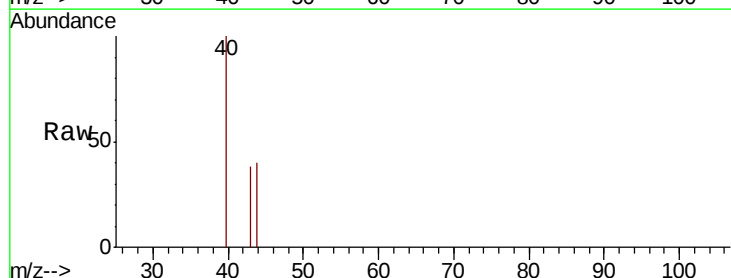
Tgt Ion: 43 Resp: 233

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

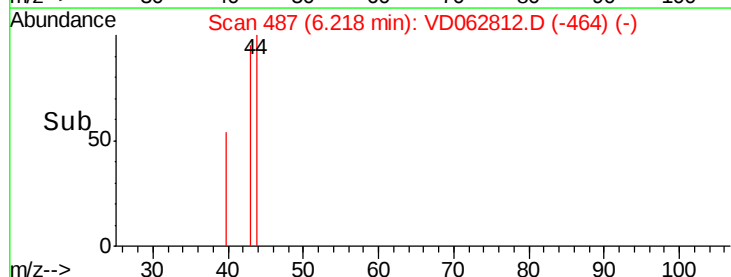
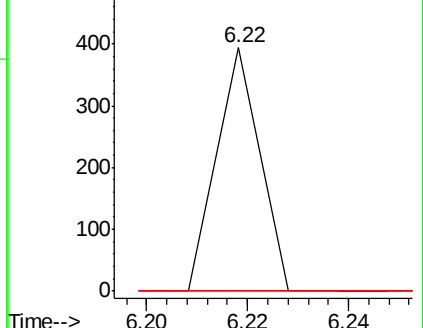
70 0.0 6.4 9.6#

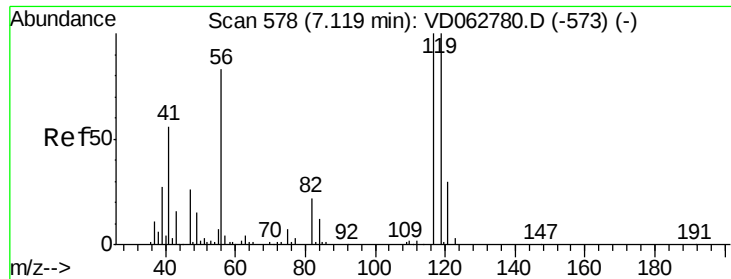


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

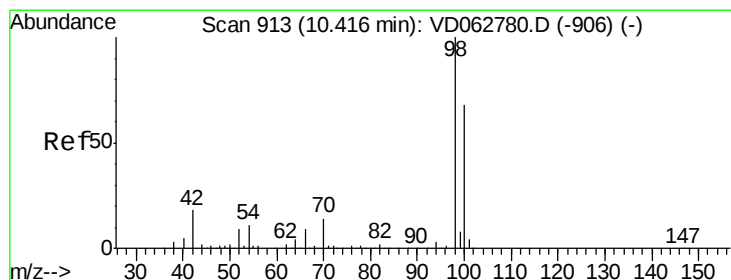
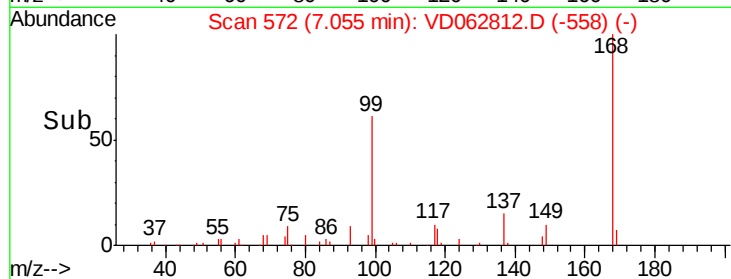
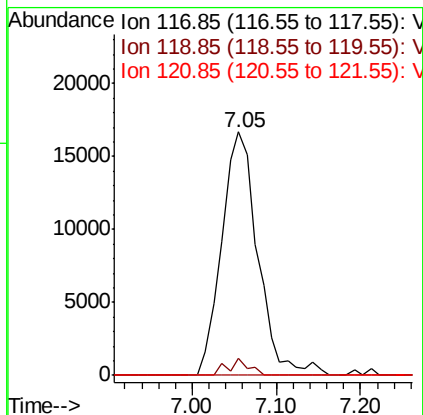
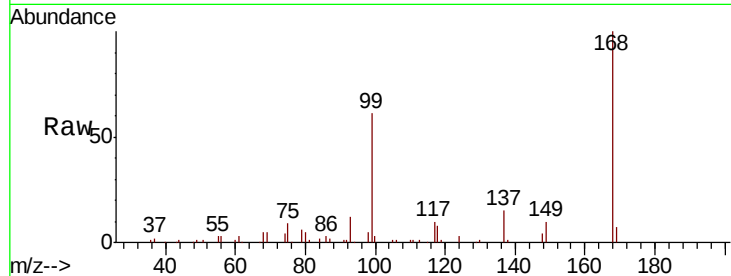




#38
Carbon Tetrachloride
Concen: 5.624 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD062812.D
Acq: 21 Jun 2019 13:20

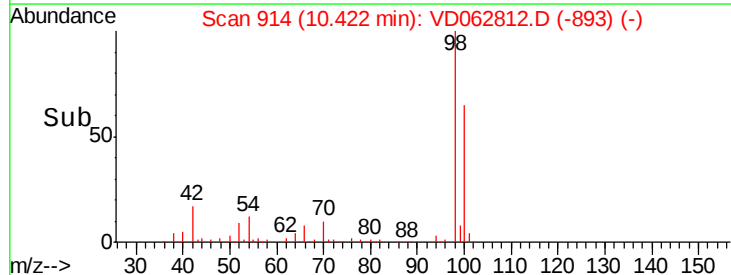
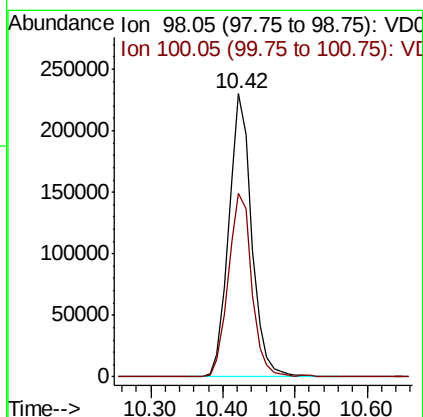
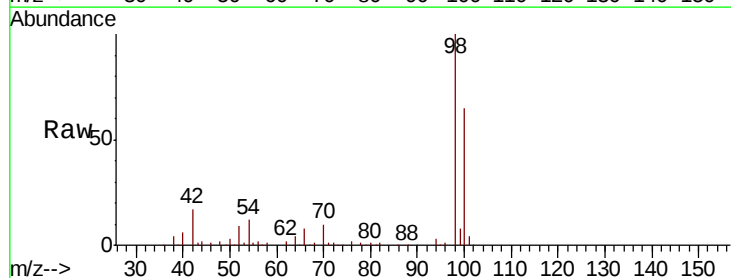
Instrument :
MSVOA_D
ClientSampleId :
TP-4-GISRE

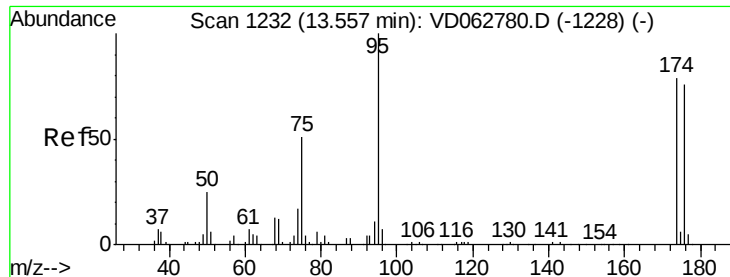
Tot Ion:117 Resp: 49727
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.2#
121 0.0 22.3 33.5#



#50
Toluene-d8
Concen: 44.694 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062812.D
Acq: 21 Jun 2019 13:20

Tgt Ion: 98 Resp: 509444
Ion Ratio Lower Upper
98 100
100 64.7 54.7 82.1





#62

4-Bromofluorobenzene

Concen: 26.721 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062812.D

Acq: 21 Jun 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

TP-4-GISRE

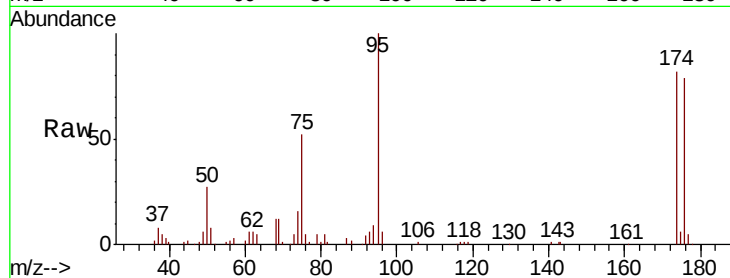
Tot Ion: 95 Resp: 138491

Ion Ratio Lower Upper

95 100

174 82.2 0.0 158.0

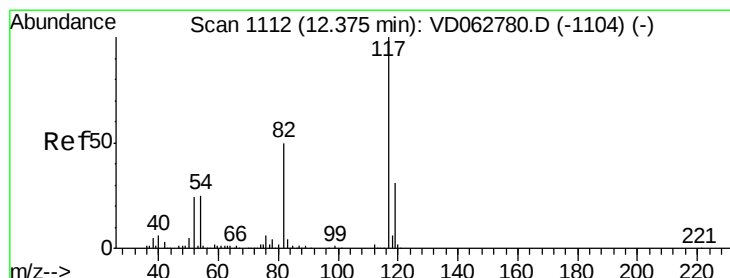
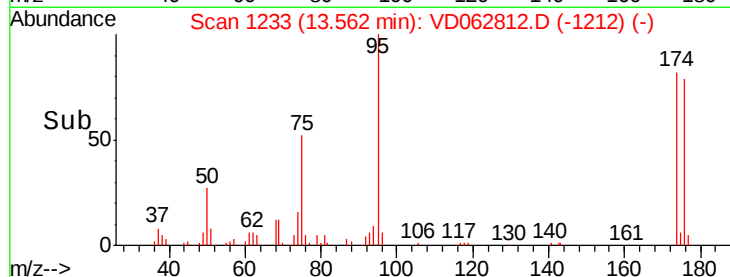
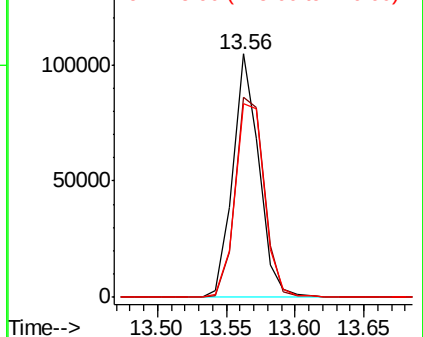
176 79.5 0.0 151.6



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# 1113

Delta R.T. 0.01 min

Lab File: VD062812.D

Acq: 21 Jun 2019 13:20

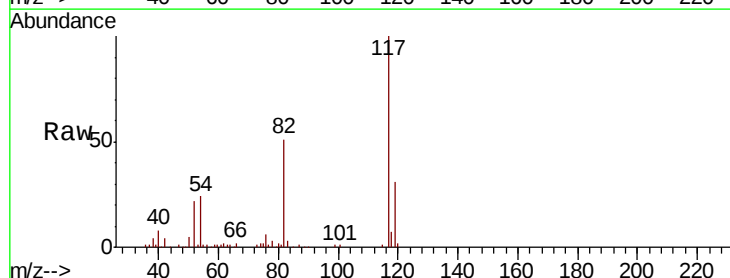
Tgt Ion: 117 Resp: 350070

Ion Ratio Lower Upper

117 100

82 50.9 40.4 60.6

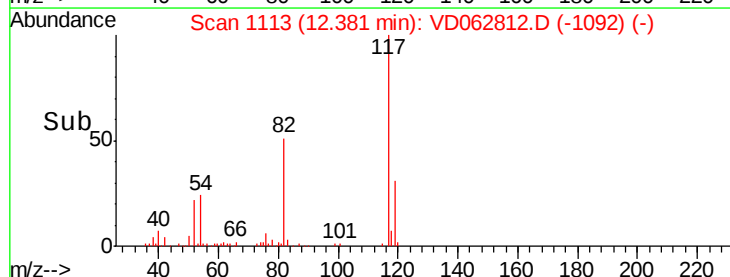
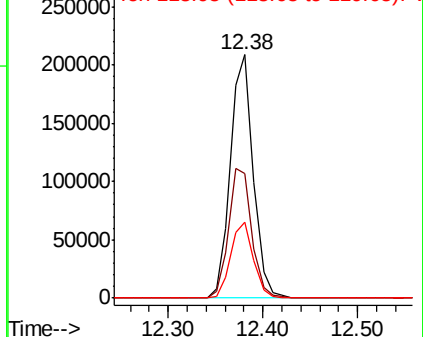
119 31.0 25.2 37.8

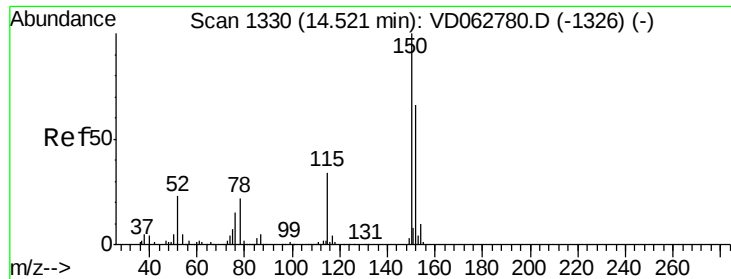


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



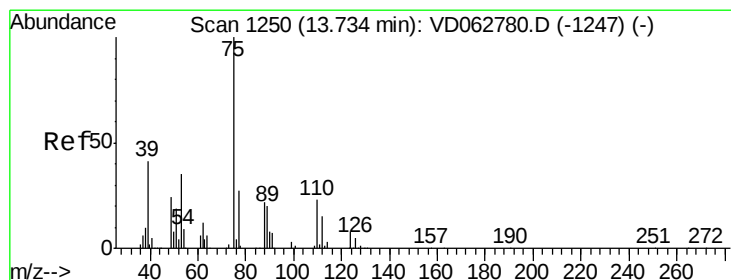
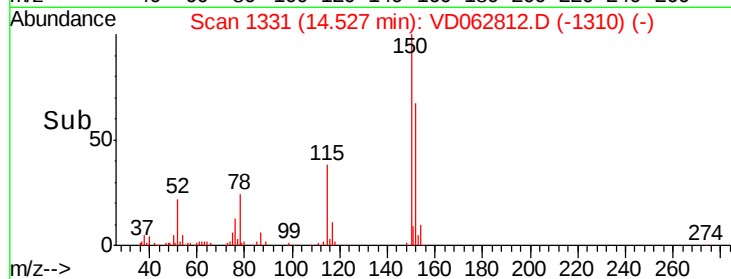
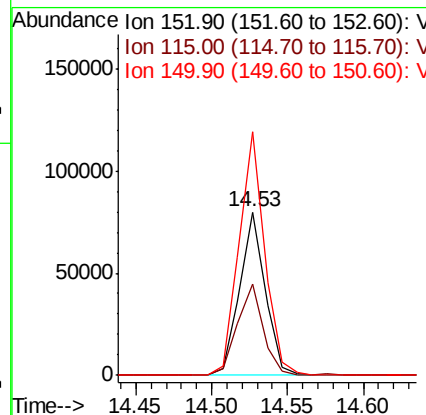
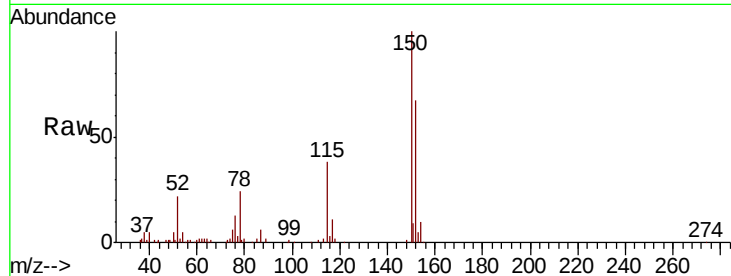


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062812.D
Acq: 21 Jun 2019 13:20

Instrument :
MSVOA_D
ClientSampleId :
TP-4-GISRE

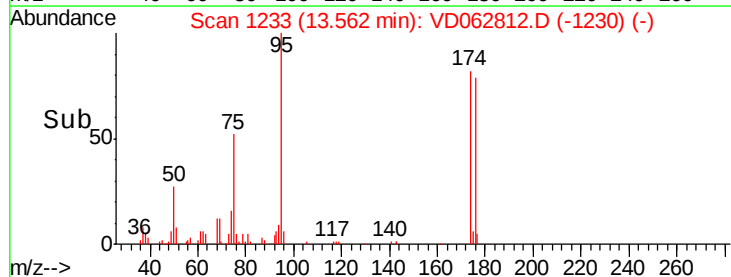
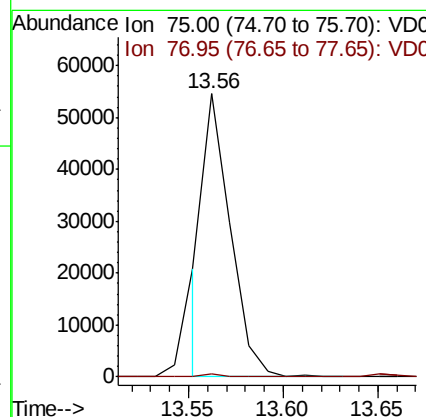
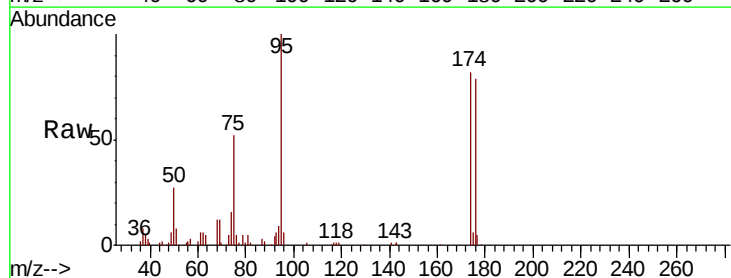
Tot Ion:152 Resp: 93395
Ion Ratio Lower Upper
152 100
115 56.1 29.2 87.6
150 149.1 0.0 305.8

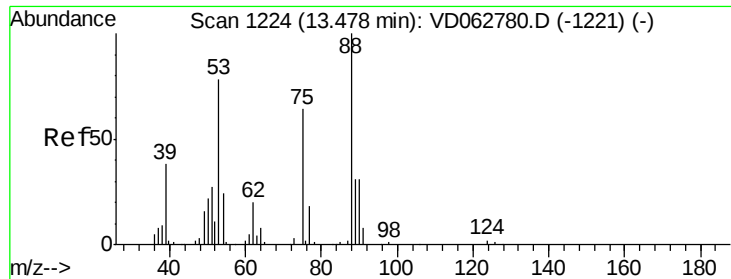


#76

1,2,3-Trichloropropane
Concen: 50.366 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.17 min
Lab File: VD062812.D
Acq: 21 Jun 2019 13:20

Tgt Ion: 75 Resp: 54304
Ion Ratio Lower Upper
75 100
77 1.3 15.0 45.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 240.284 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062812.D

Acq: 21 Jun 2019 13:20

Instrument :

MSVOA_D

ClientSampleId :

TP-4-GISRE

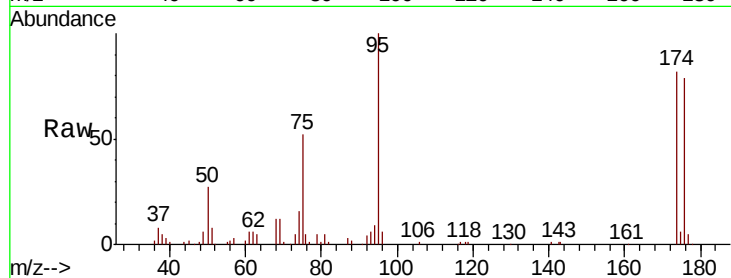
Tot Ion: 75 Resp: 67898

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

