

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062539.D
 Acq On : 28 May 2019 15:26
 Operator : VA/AP
 Sample : K3074-04
 Misc : 4.88g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3B-S2

Quant Time: May 29 01:00:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	295929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	368531	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	334916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	190504	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	148640	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
35) Dibromofluoromethane	6.93	113	153485	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
50) Toluene-d8	10.42	98	302523	41.58	ug/l	0.00
Spiked Amount			Recovery	=	83.16%	
62) 4-Bromofluorobenzene	13.56	95	141519	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	

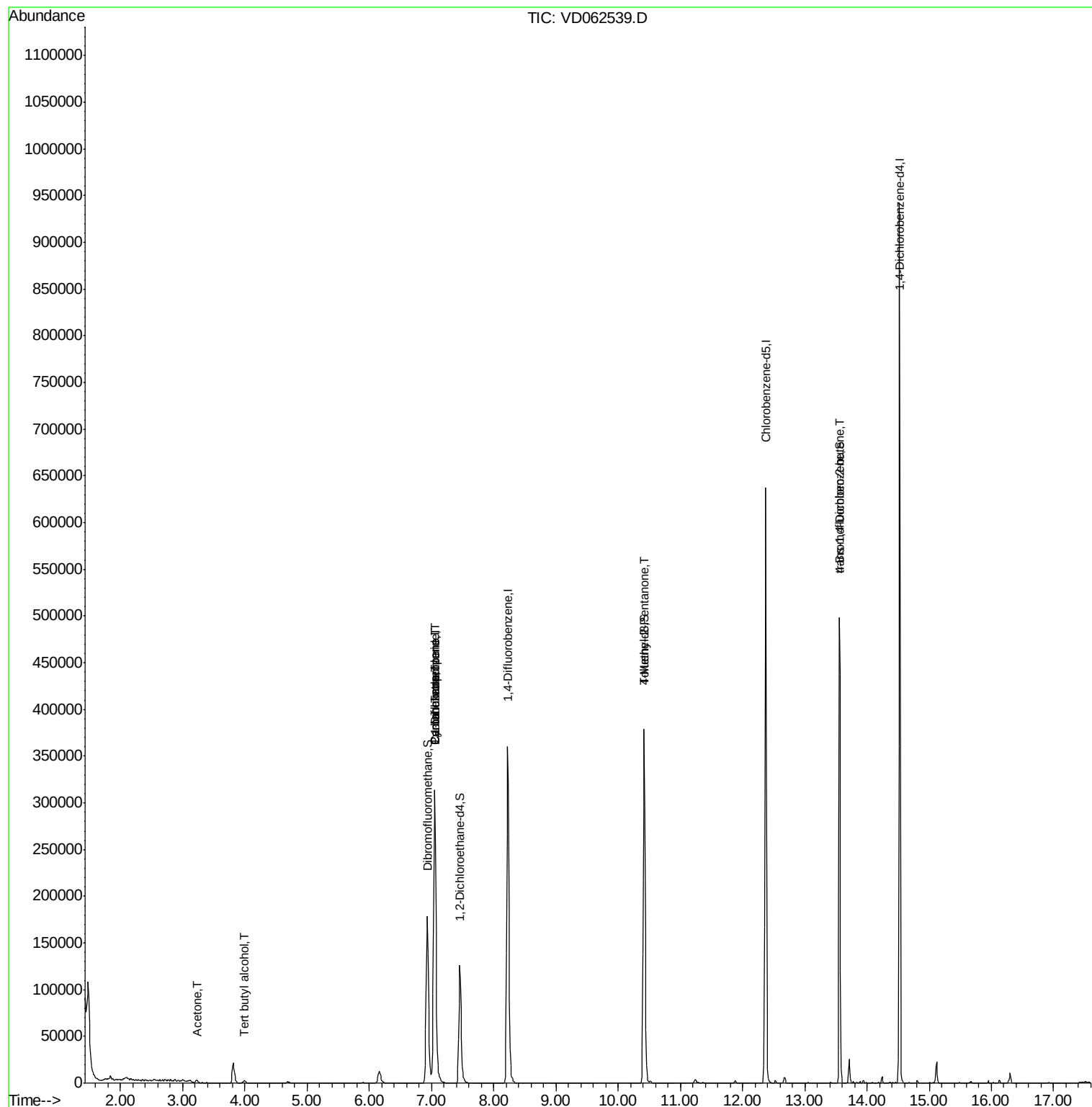
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	2472	16.906	ug/l #	76
16) Acetone	3.22	43	7693	13.552	ug/l #	50
20) Methylene Chloride	3.81	84	13046	Below Cal		95
31) Cyclohexane	7.05	56	7155	2.392	ug/l #	16
36) 1,1-Dichloropropene	7.05	75	23455	6.657	ug/l #	47
38) Carbon Tetrachloride	7.05	117	31914	6.094	ug/l #	12
51) 4-Methyl-2-Pentanone	10.41	43	1696	1.414	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	71330	112.713	ug/l #	16

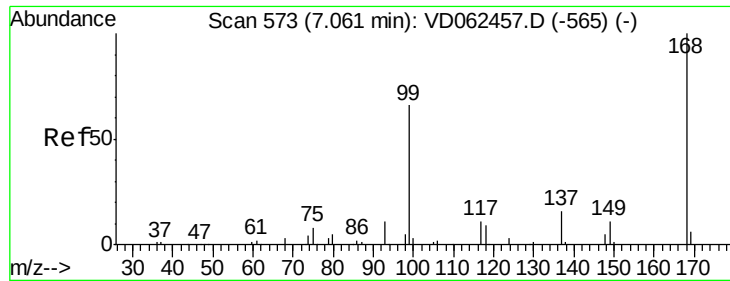
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052819\
Data File : VD062539.D
Acq On : 28 May 2019 15:26
Operator : VA/AP
Sample : K3074-04
Misc : 4.88g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-3B-S2

Quant Time: May 29 01:00:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 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: VD062539.D

Acq: 28 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

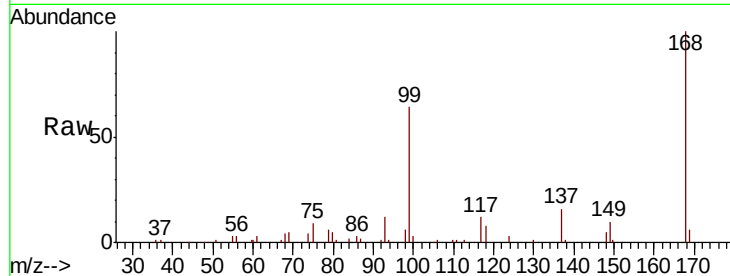
TP-3B-S2

Tot Ion:168 Resp: 295929

Ion Ratio Lower Upper

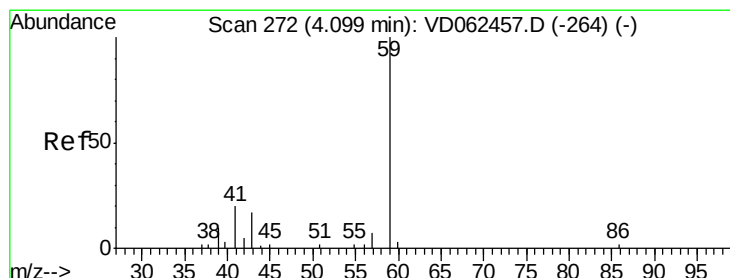
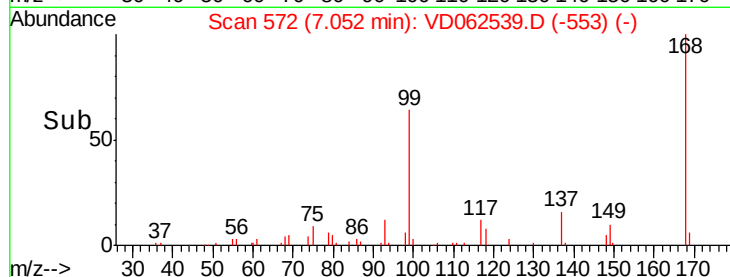
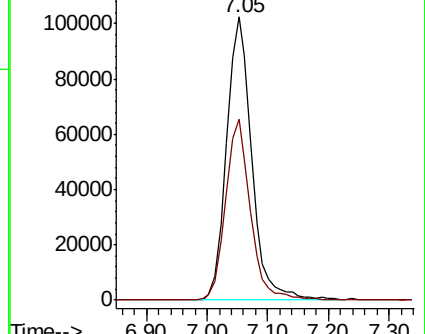
168 100

99 63.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 16.906 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.12 min

Lab File: VD062539.D

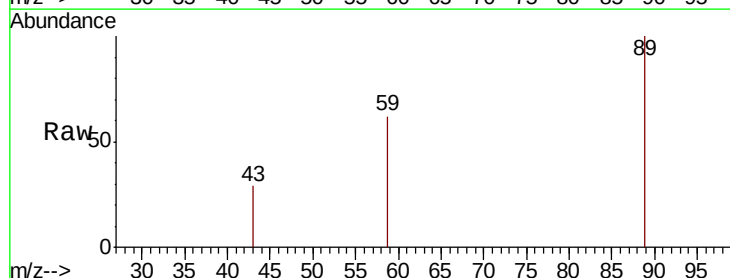
Acq: 28 May 2019 15:26

Tgt Ion: 59 Resp: 2472

Ion Ratio Lower Upper

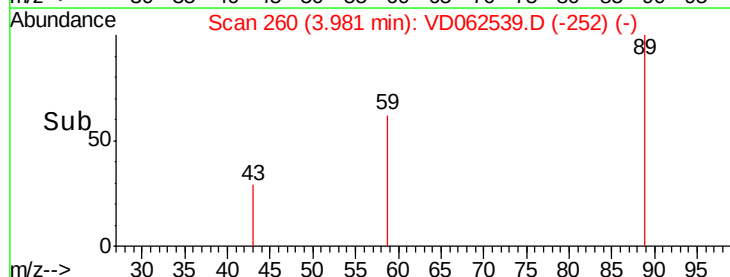
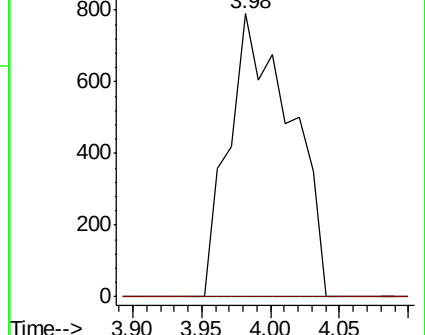
59 100

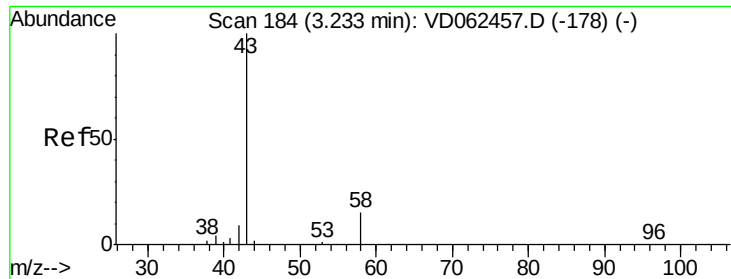
57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 13.552 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD062539.D

Acq: 28 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

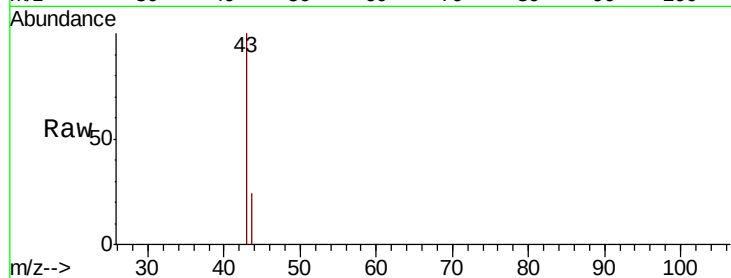
TP-3B-S2

Tot Ion: 43 Resp: 7693

Ion Ratio Lower Upper

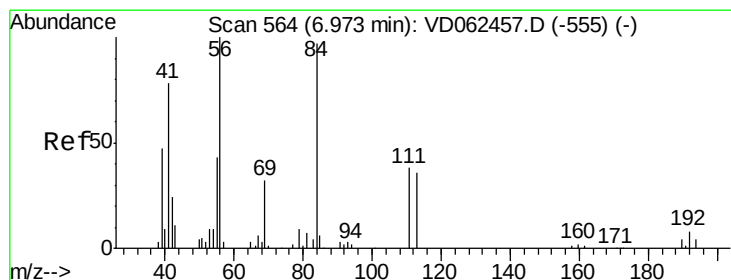
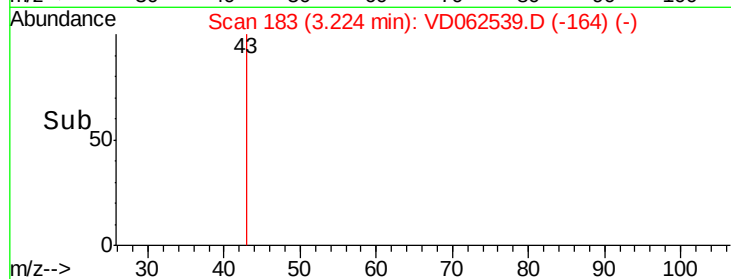
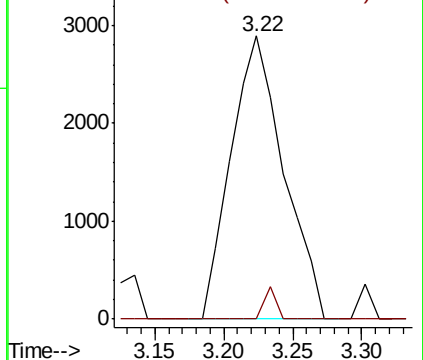
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: 2.392 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.08 min

Lab File: VD062539.D

Acq: 28 May 2019 15:26

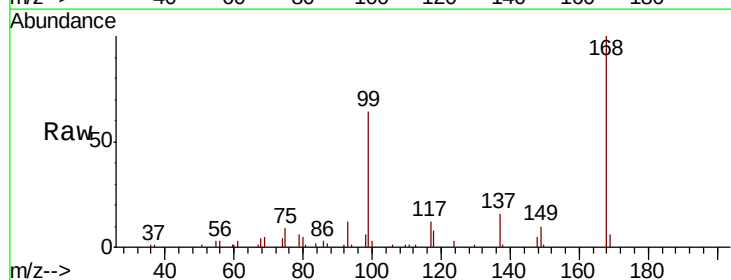
Tgt Ion: 56 Resp: 7155

Ion Ratio Lower Upper

56 100

69 167.5 25.8 38.6#

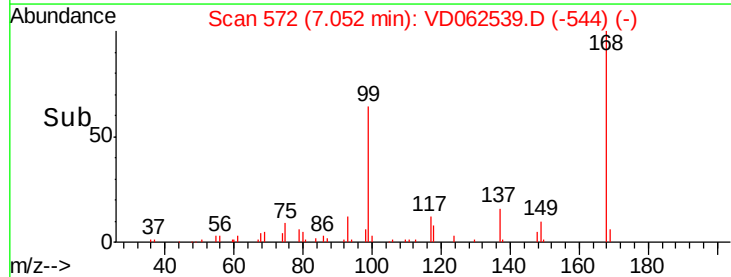
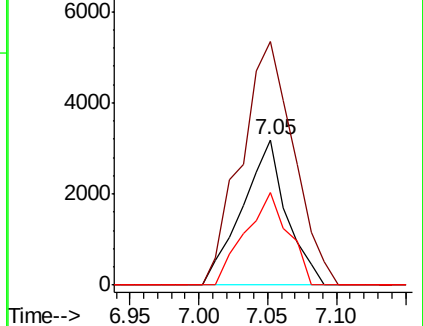
84 64.0 72.2 108.4#

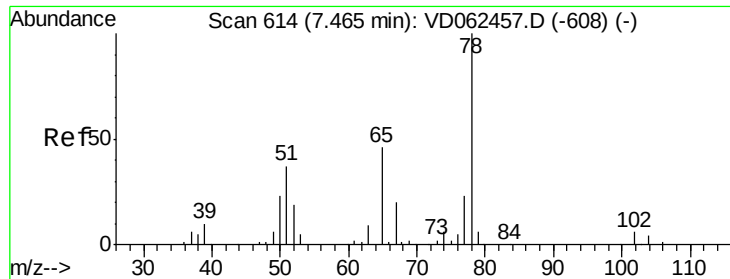


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

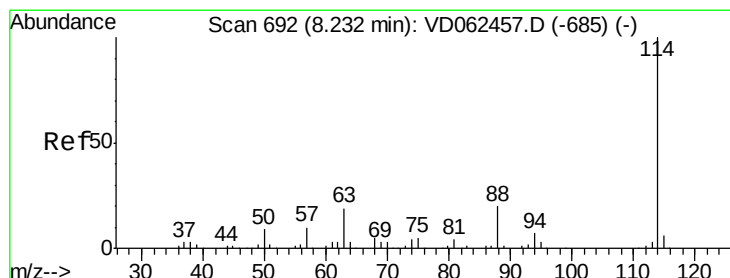
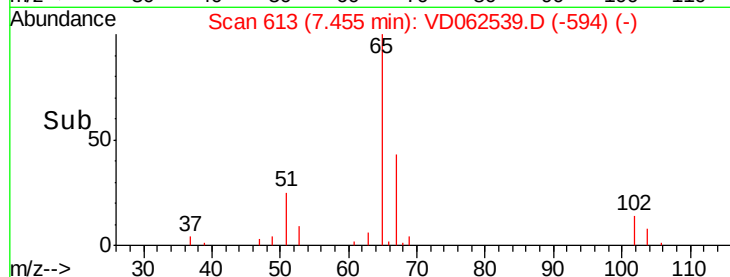
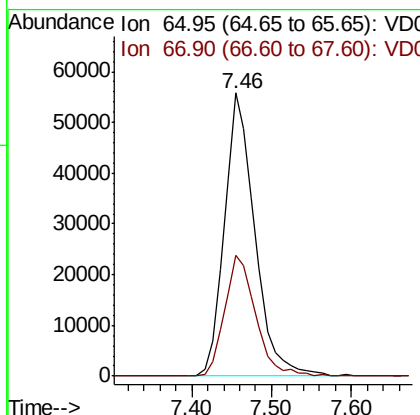
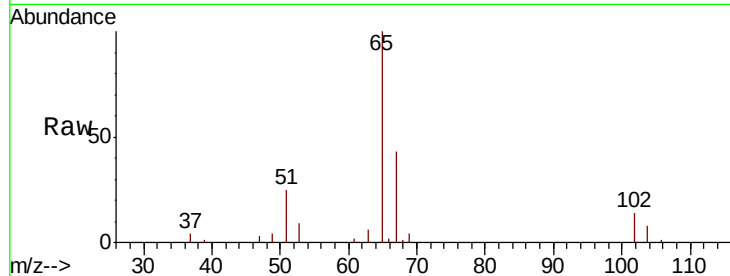




#33
 1,2-Dichloroethane-d4
 Concen: 46.923 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD062539.D
 Acq: 28 May 2019 15:26

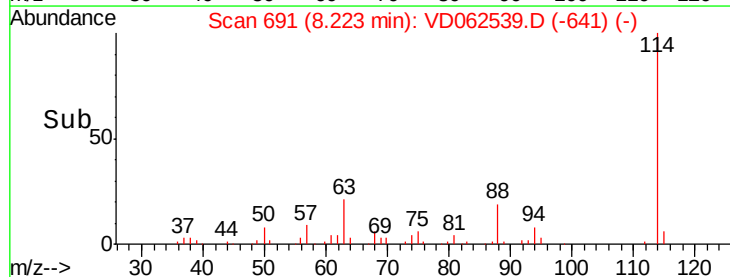
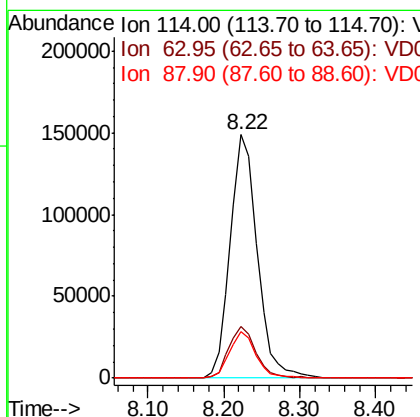
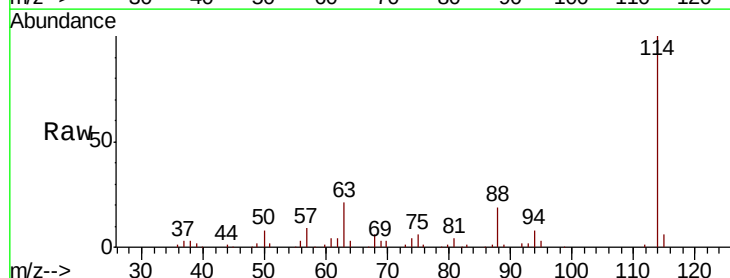
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3B-S2

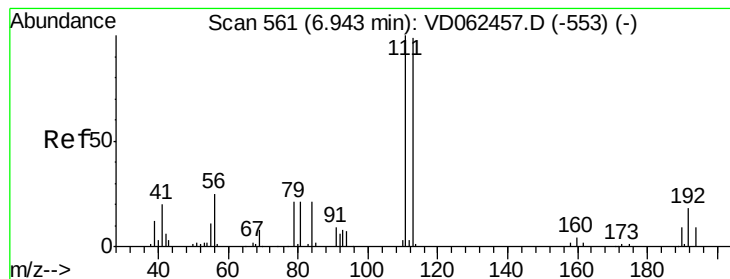
Tot Ion: 65 Resp: 148640
 Ion Ratio Lower Upper
 65 100
 67 42.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD062539.D
 Acq: 28 May 2019 15:26

Tgt Ion: 114 Resp: 368531
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 32.4
 88 19.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 46.166 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD062539.D

Acq: 28 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

TP-3B-S2

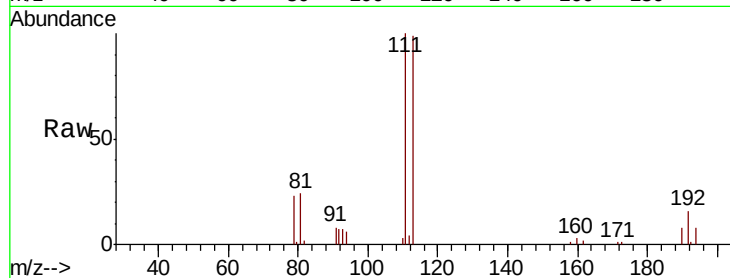
Tot Ion:113 Resp: 153485

Ion Ratio Lower Upper

113 100

111 101.0 78.5 117.7

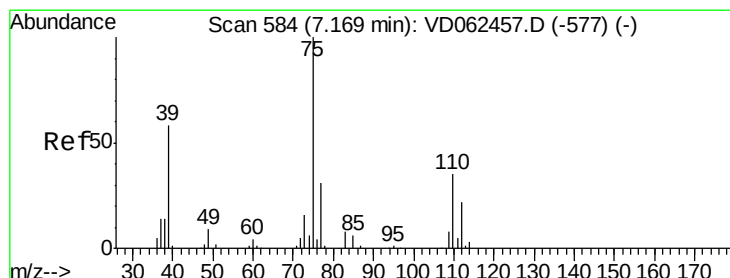
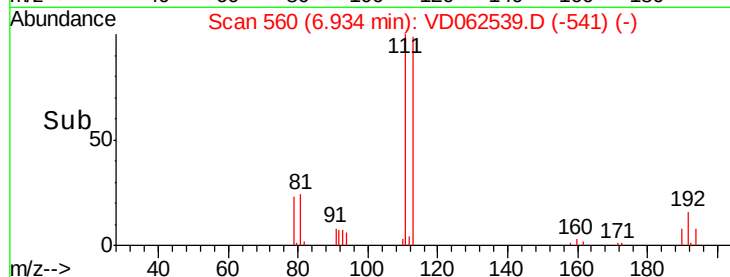
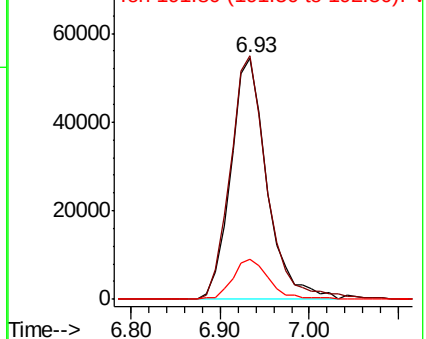
192 16.6 13.0 19.4



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: 6.657 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.12 min

Lab File: VD062539.D

Acq: 28 May 2019 15:26

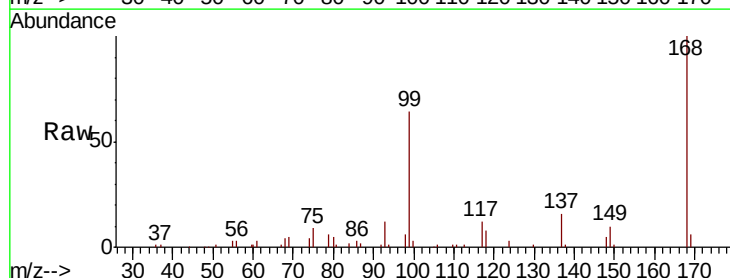
Tgt Ion: 75 Resp: 23455

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.1#

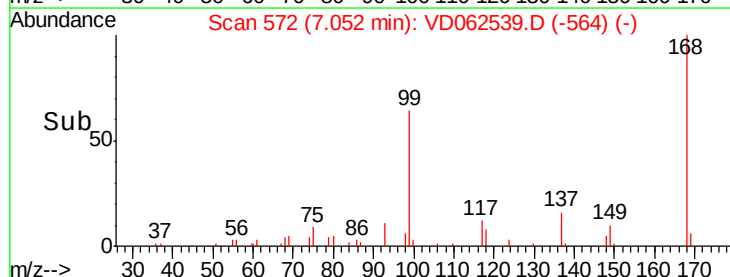
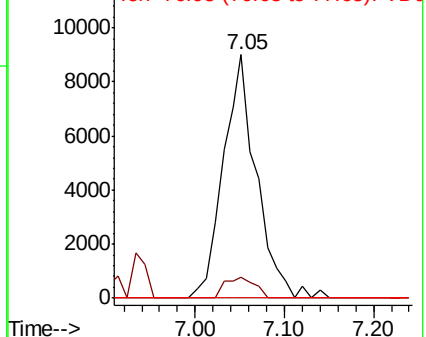
77 0.0 25.6 38.4#

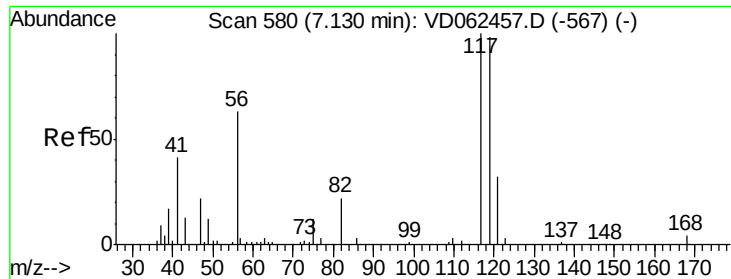


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.094 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD062539.D

Acq: 28 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

TP-3B-S2

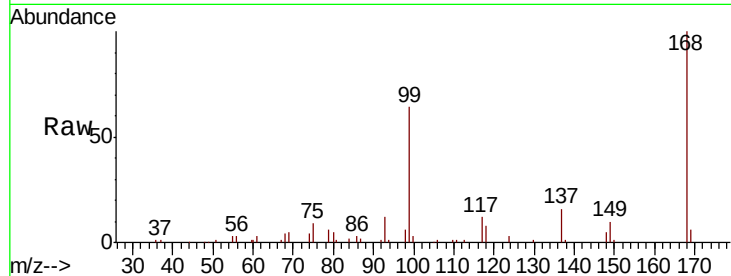
Tot Ion:117 Resp: 31914

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

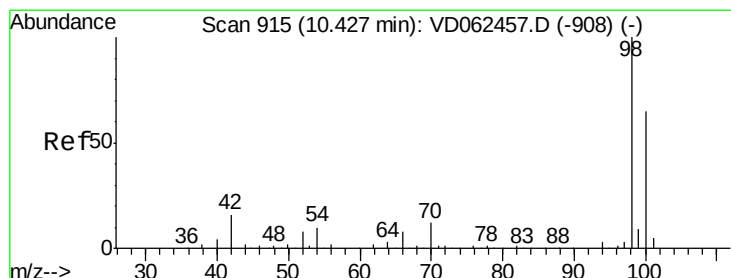
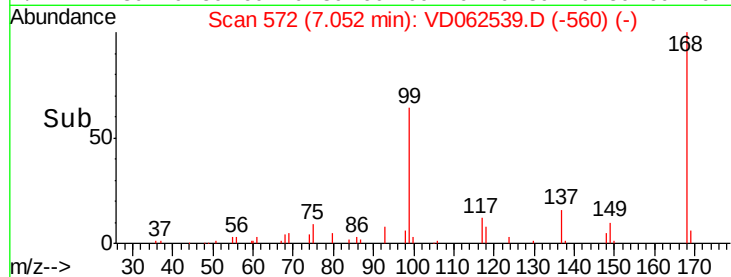
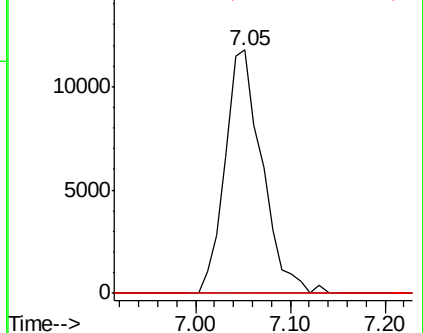
121 0.0 25.9 38.9#



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: 41.581 ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.01 min

Lab File: VD062539.D

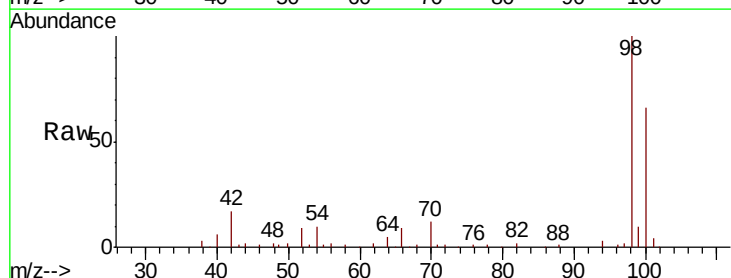
Acq: 28 May 2019 15:26

Tgt Ion: 98 Resp: 302523

Ion Ratio Lower Upper

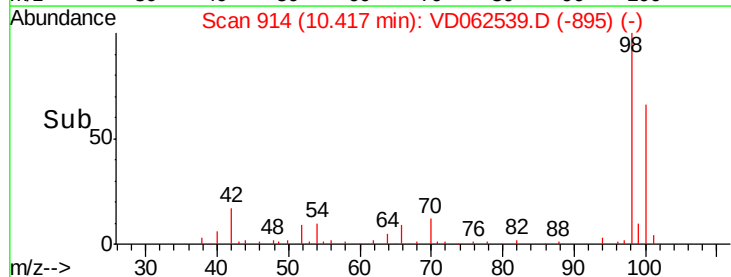
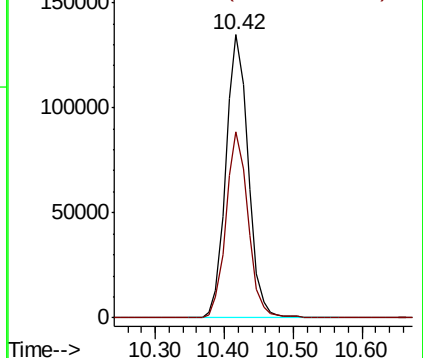
98 100

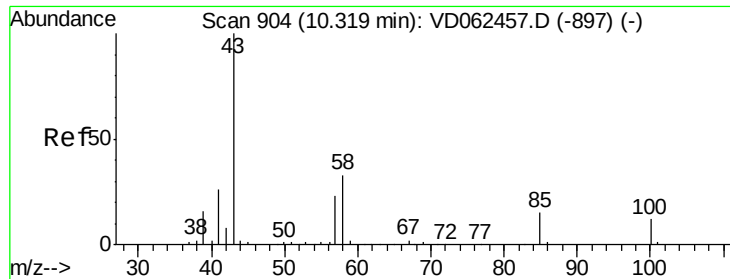
100 65.7 53.8 80.8



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: 1.414 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.09 min

Lab File: VD062539.D

Acq: 28 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

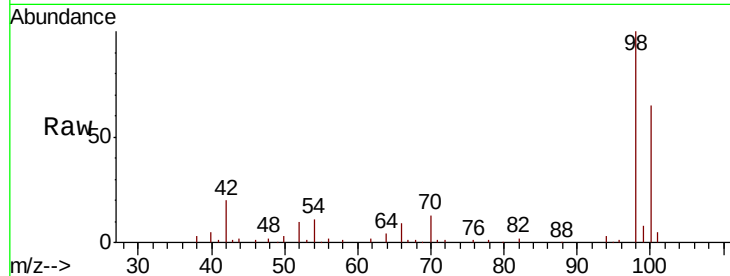
TP-3B-S2

Tot Ion: 43 Resp: 1696

Ion Ratio Lower Upper

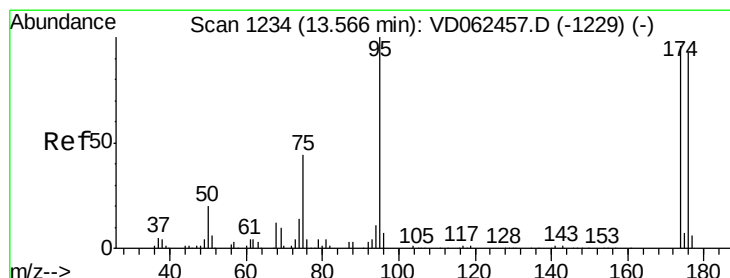
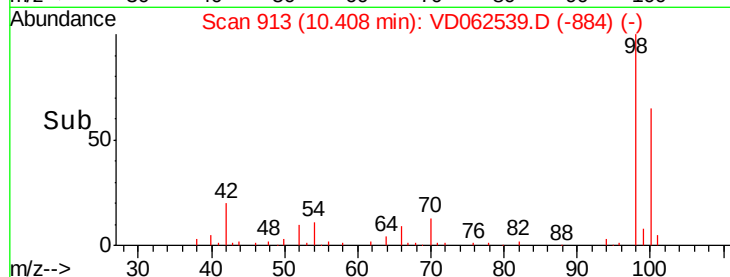
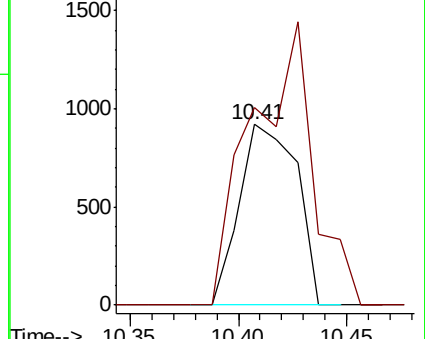
43 100

58 109.4 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 44.467 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD062539.D

Acq: 28 May 2019 15:26

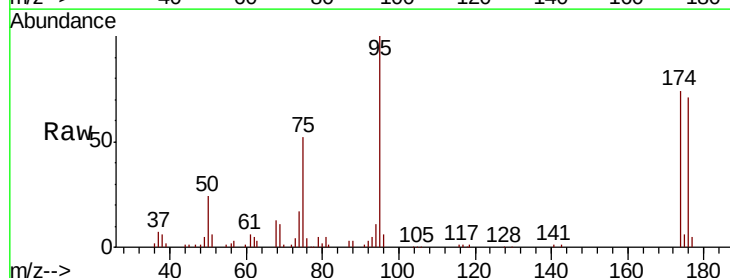
Tgt Ion: 95 Resp: 141519

Ion Ratio Lower Upper

95 100

174 73.8 0.0 181.8

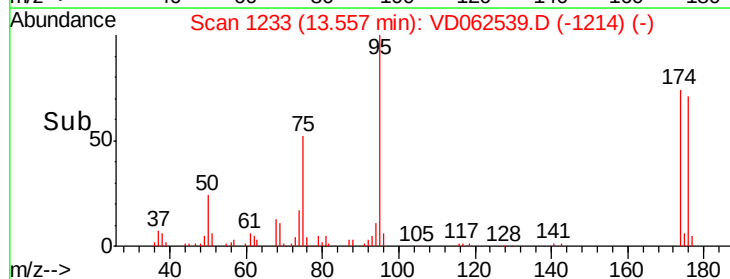
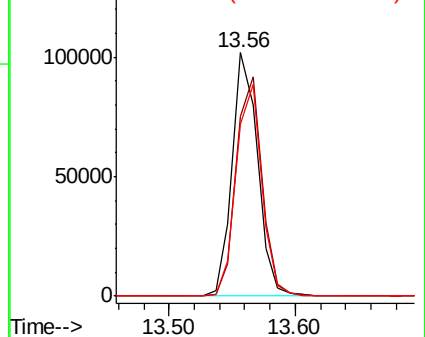
176 70.6 0.0 174.4

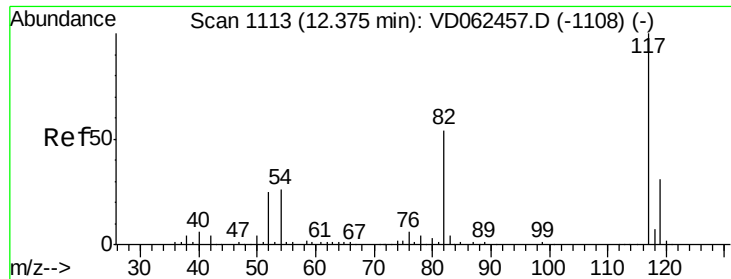


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

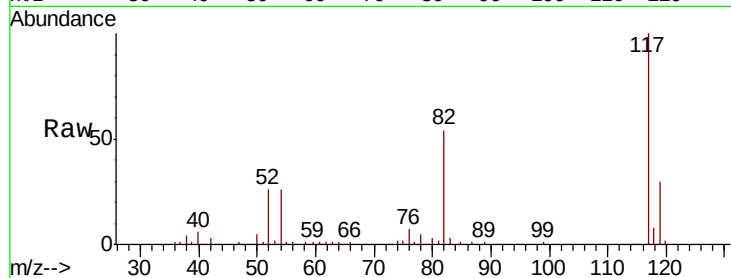




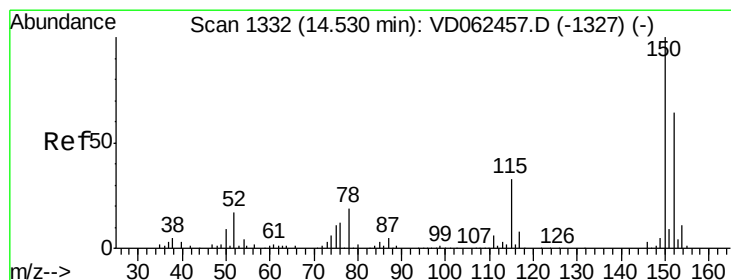
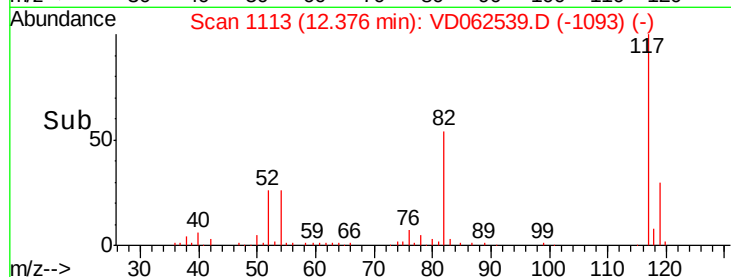
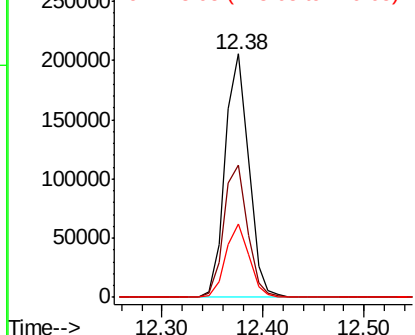
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD062539.D
Acq: 28 May 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :
TP-3B-S2

Tot Ion:117 Resp: 334916
Ion Ratio Lower Upper
117 100
82 54.3 36.2 54.2#
119 30.4 26.2 39.4

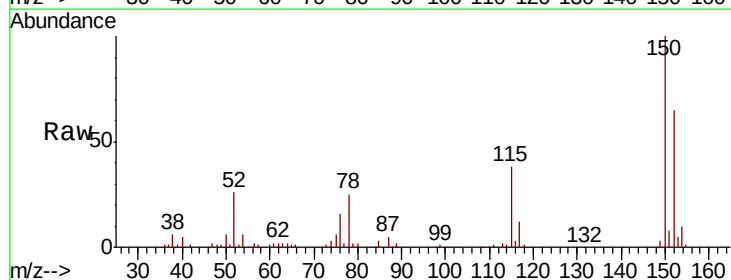


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

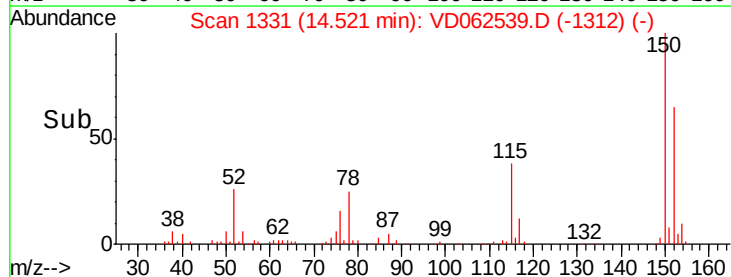
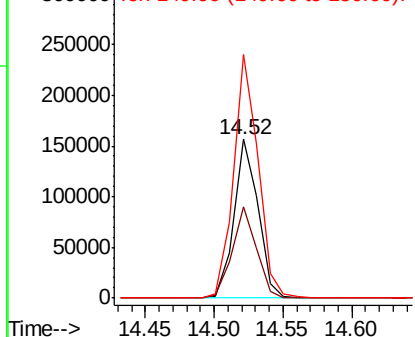


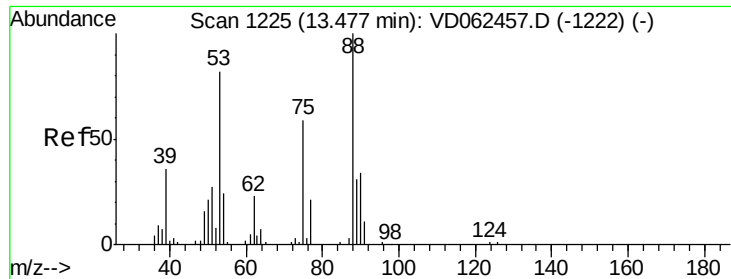
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062539.D
Acq: 28 May 2019 15:26

Tgt Ion:152 Resp: 190504
Ion Ratio Lower Upper
152 100
115 57.7 30.9 92.7
150 153.6 0.0 314.8



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: 112.713 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062539.D

Acq: 28 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

TP-3B-S2

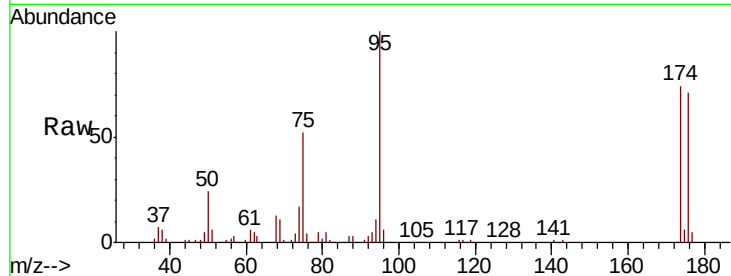
Tot Ion: 75 Resp: 71330

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

