

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062544.D
 Acq On : 28 May 2019 17:41
 Operator : VA/AP
 Sample : K3072-01
 Misc : 6.17g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: May 29 01:01:42 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	7.06	168	295931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	372613	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	326325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	182709	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	142651	45.03	ug/l	0.00
Spiked Amount			Recovery	=	90.06%	
35) Dibromofluoromethane	6.94	113	145503	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	
50) Toluene-d8	10.43	98	280861	38.18	ug/l	0.00
Spiked Amount			Recovery	=	76.36%	
62) 4-Bromofluorobenzene	13.57	95	131833	40.97	ug/l	0.00
Spiked Amount			Recovery	=	81.94%	

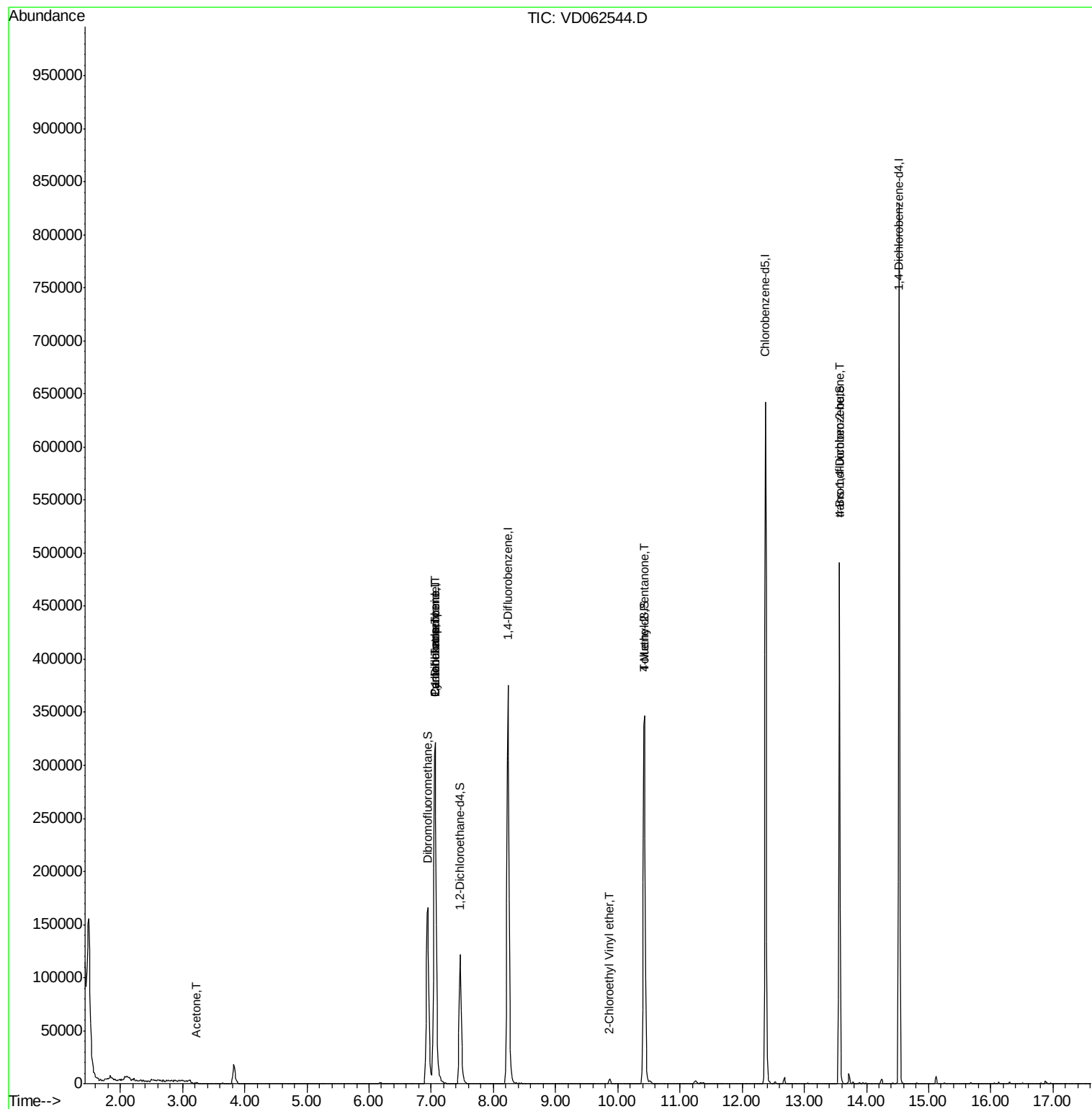
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	1020	1.797	ug/l #	50
20) Methylene Chloride	3.82	84	11083	Below Cal	#	72
31) Cyclohexane	7.05	56	7228	2.417	ug/l #	3
36) 1,1-Dichloropropene	7.05	75	25193	7.072	ug/l #	47
38) Carbon Tetrachloride	7.05	117	32685	6.173	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	2065	1.703	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.87	63	2672	3.002	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.57	75	69952	115.252	ug/l #	16

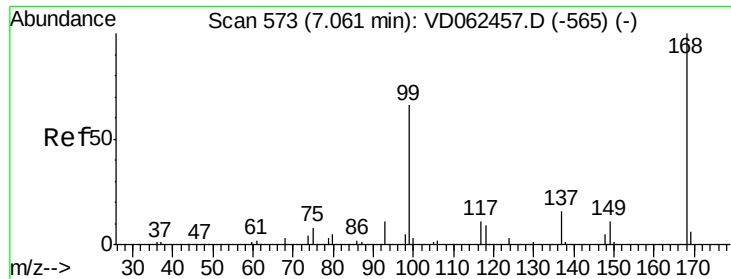
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052819\
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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: 7.06 min Scan# 573

Delta R.T. 0.00 min

Lab File: VD062544.D

Acq: 28 May 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

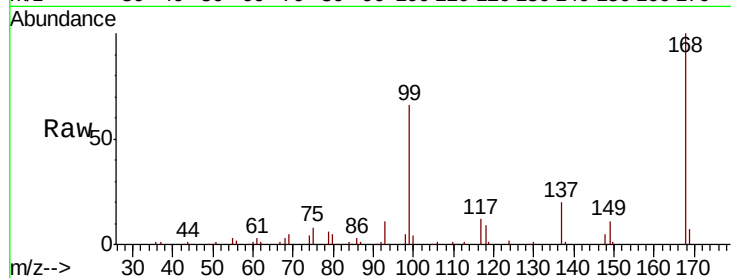
TP-1

Tot Ion:168 Resp: 295931

Ion Ratio Lower Upper

168 100

99 65.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

120000

100000

80000

60000

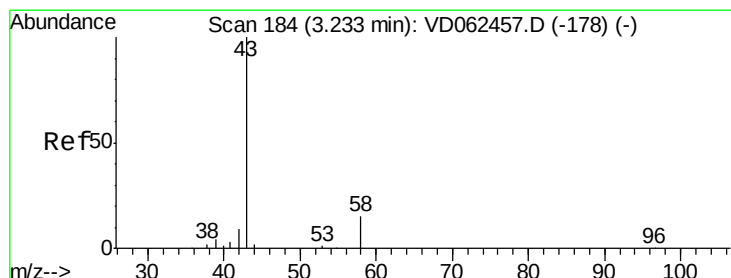
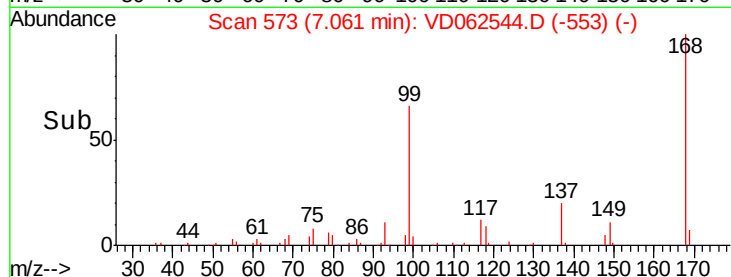
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 1.797 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD062544.D

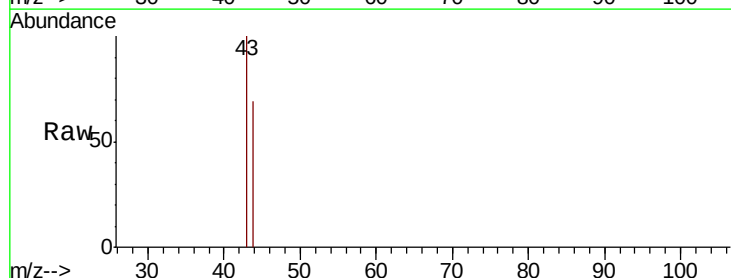
Acq: 28 May 2019 17:41

Tgt Ion: 43 Resp: 1020

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

3.23

600

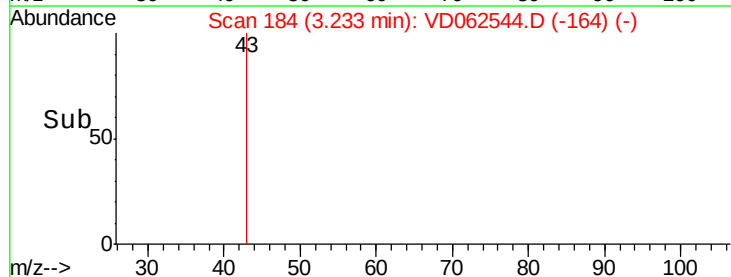
400

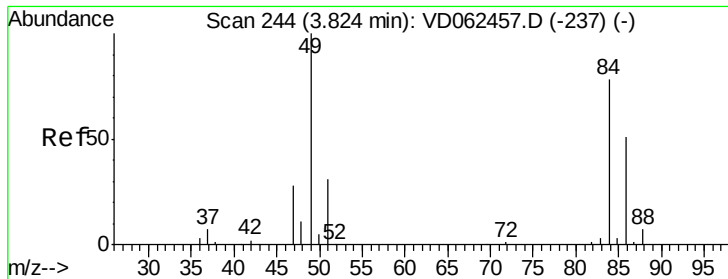
200

0

Time-->

3.20 3.25

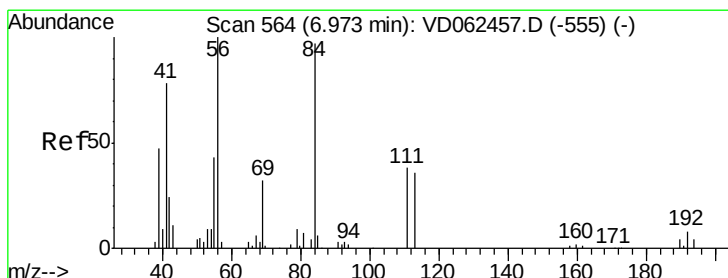
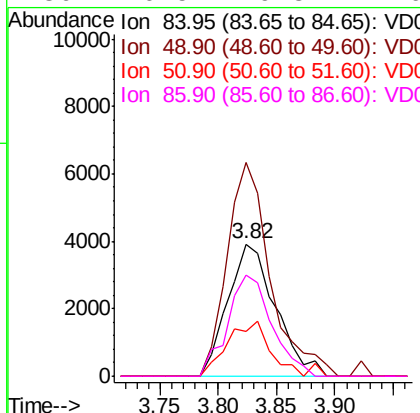
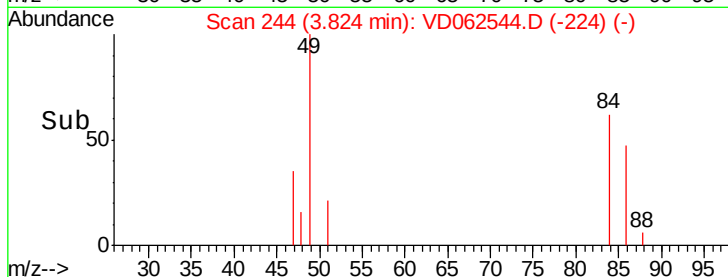
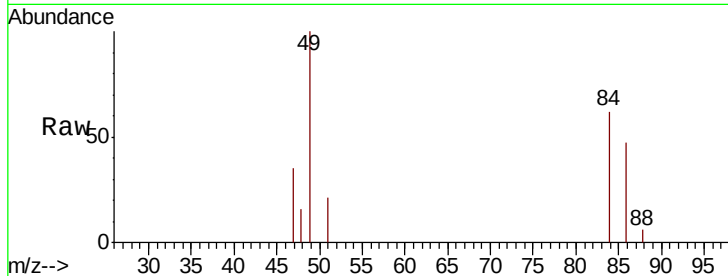




#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062544.D
Acq: 28 May 2019 17:41

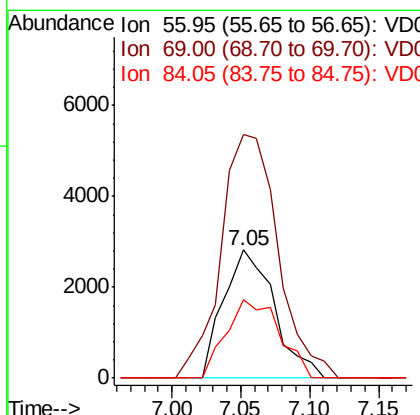
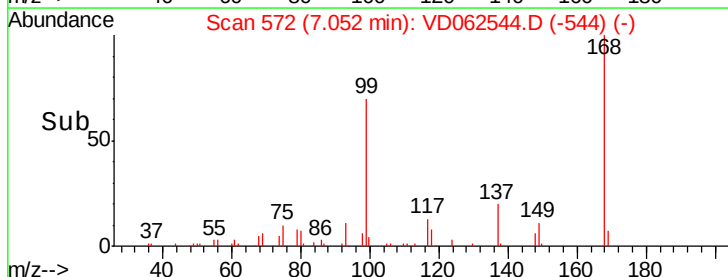
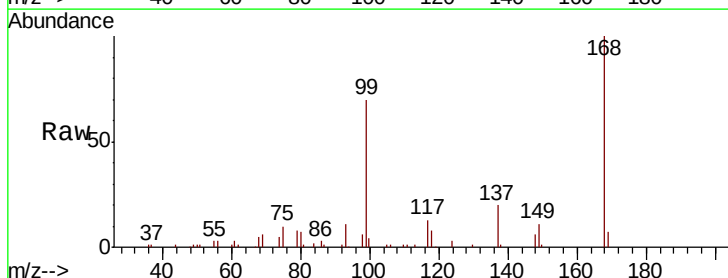
Instrument :
MSVOA_D
ClientSampled :
TP-1

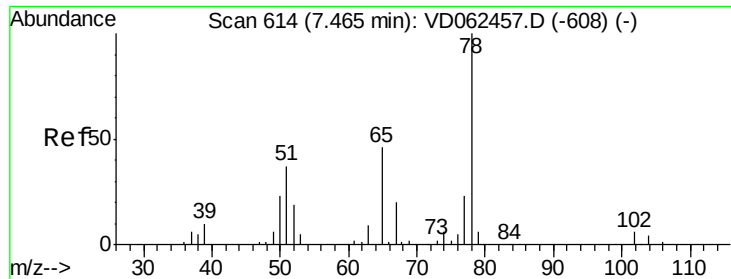
Tot Ion: 84 Resp: 11083
Ion Ratio Lower Upper
84 100
49 161.4 94.0 141.0#
51 33.6 29.0 43.4
86 76.5 49.8 74.6#



#31
Cyclohexane
Concen: 2.417 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.08 min
Lab File: VD062544.D
Acq: 28 May 2019 17:41

Tgt Ion: 56 Resp: 7228
Ion Ratio Lower Upper
56 100
69 189.9 25.8 38.6#
84 61.5 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 45.032 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062544.D

Acq: 28 May 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

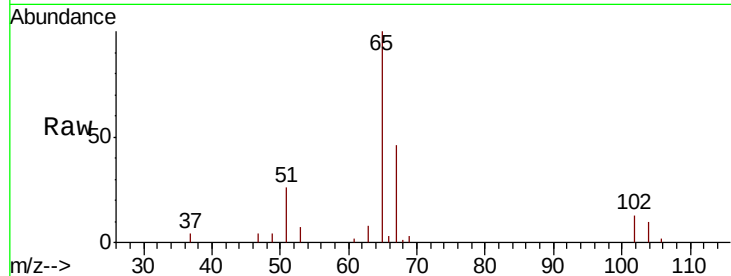
TP-1

Tot Ion: 65 Resp: 142651

Ion Ratio Lower Upper

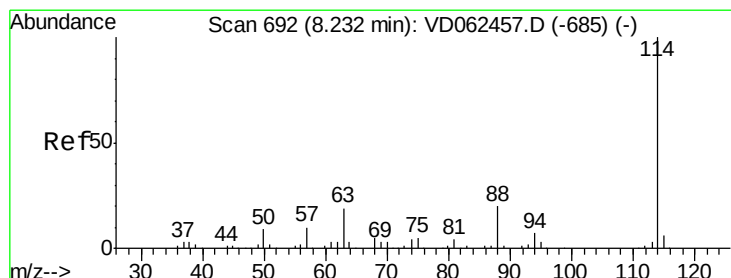
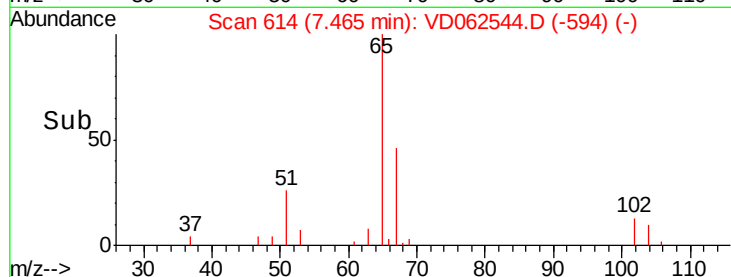
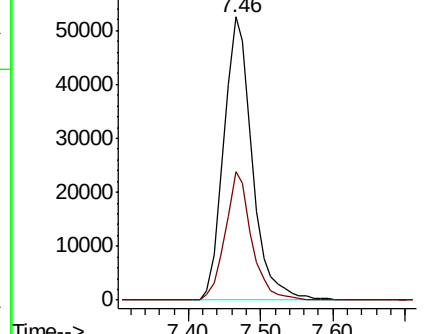
65 100

67 45.5 0.0 98.0



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# 692

Delta R.T. 0.00 min

Lab File: VD062544.D

Acq: 28 May 2019 17:41

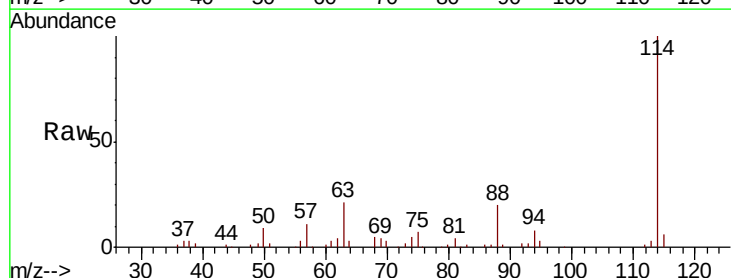
Tgt Ion: 114 Resp: 372613

Ion Ratio Lower Upper

114 100

63 21.0 0.0 32.4

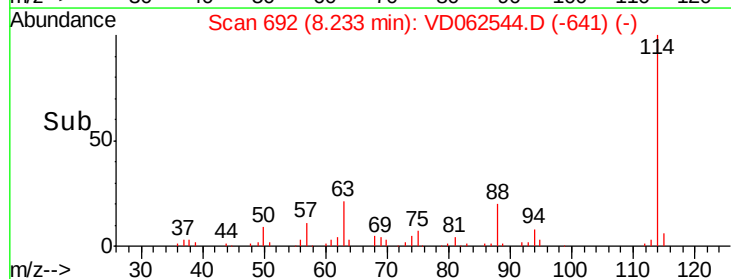
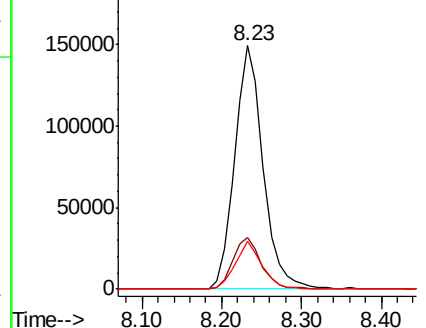
88 19.7 0.0 33.6

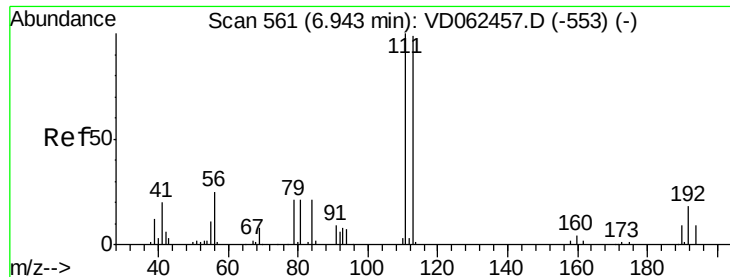


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

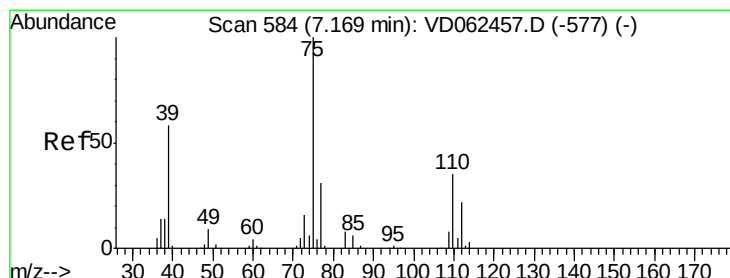
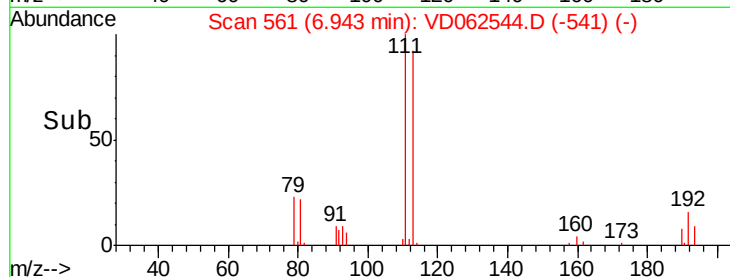
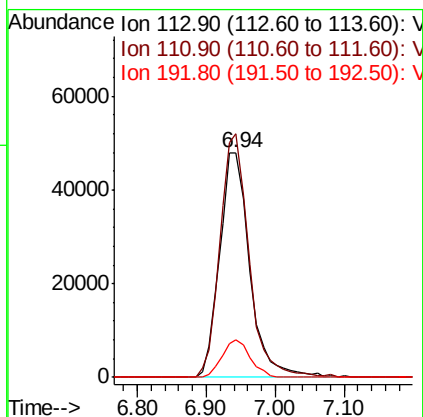
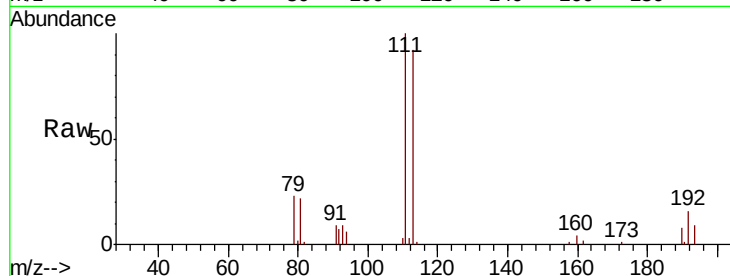




#35
 Dibromofluoromethane
 Concen: 43.286 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD062544.D
 Acq: 28 May 2019 17:41

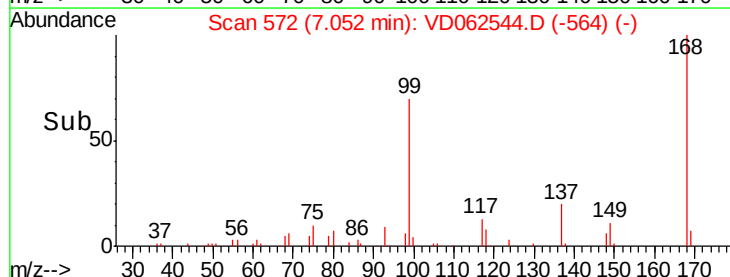
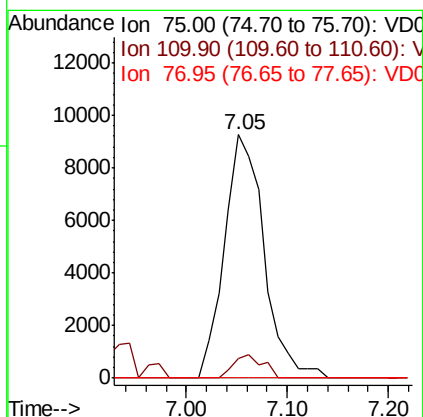
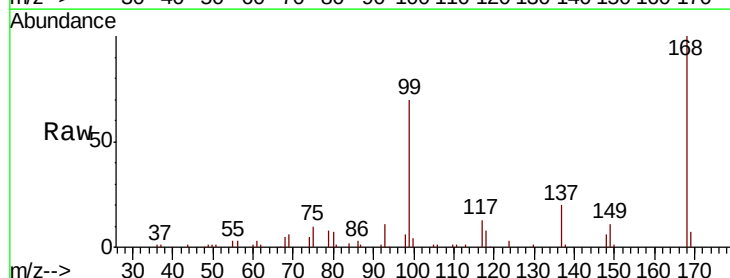
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

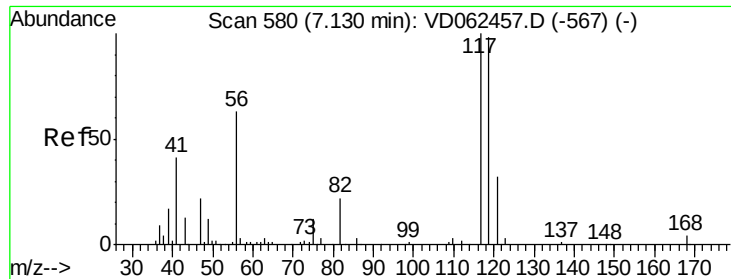
Tot Ion:113 Resp: 145503
 Ion Ratio Lower Upper
 113 100
 111 108.2 78.5 117.7
 192 17.0 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 7.072 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.12 min
 Lab File: VD062544.D
 Acq: 28 May 2019 17:41

Tgt Ion: 75 Resp: 25193
 Ion Ratio Lower Upper
 75 100
 110 8.0 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.173 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD062544.D

Acq: 28 May 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

TP-1

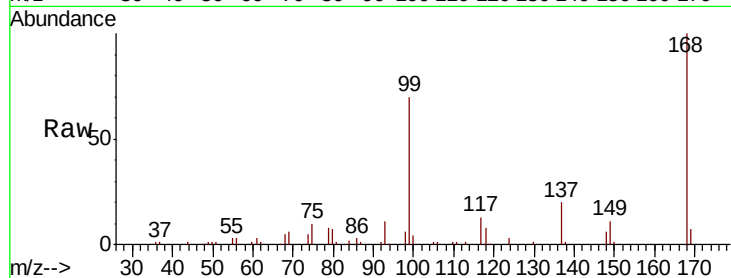
Tot Ion:117 Resp: 32685

Ion Ratio Lower Upper

117 100

119 2.7 75.8 113.8#

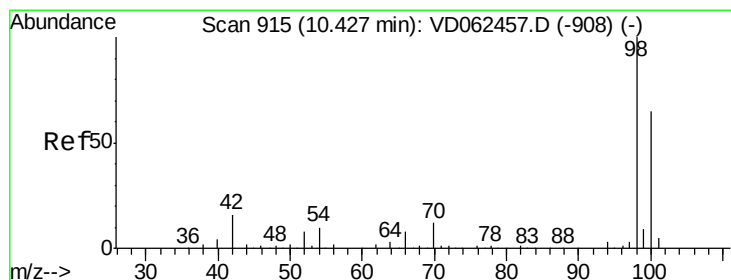
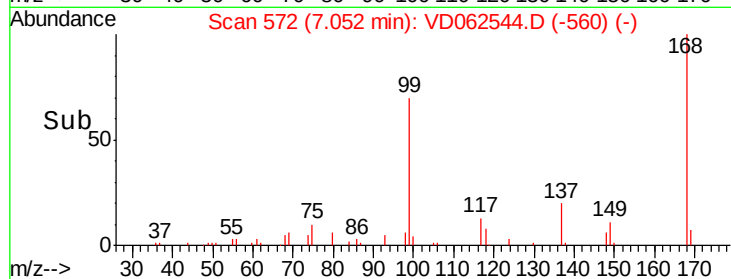
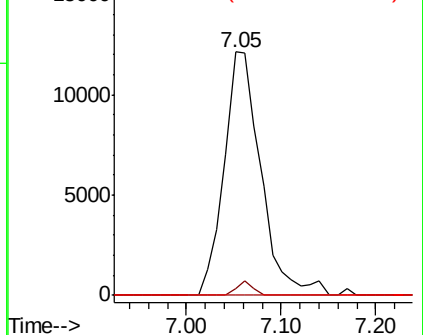
121 0.0 25.9 38.9#



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: 38.181 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.00 min

Lab File: VD062544.D

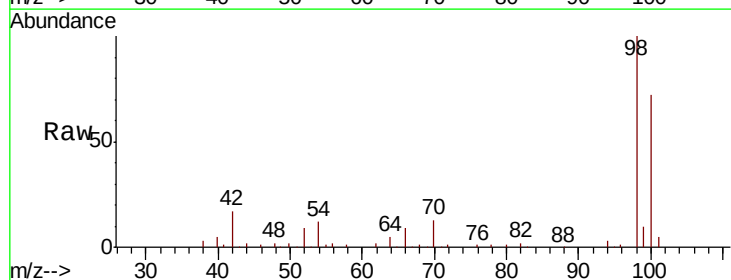
Acq: 28 May 2019 17:41

Tgt Ion: 98 Resp: 280861

Ion Ratio Lower Upper

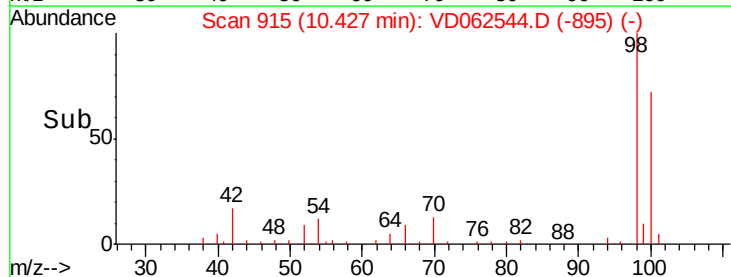
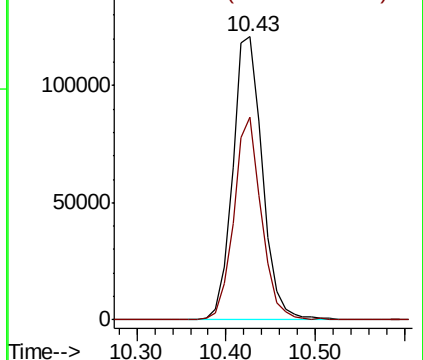
98 100

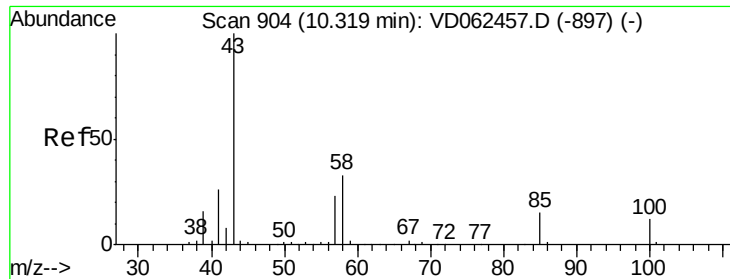
100 71.6 53.8 80.8



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: 1.703 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.10 min

Lab File: VD062544.D

Acq: 28 May 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

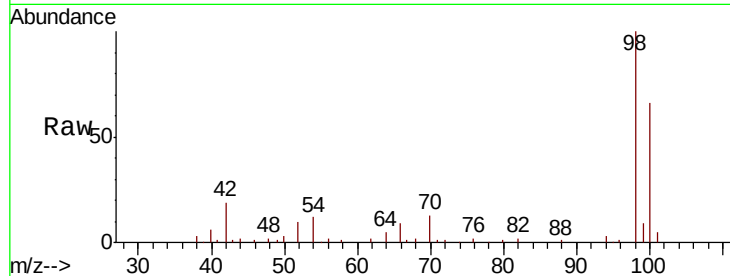
TP-1

Tot Ion: 43 Resp: 2065

Ion Ratio Lower Upper

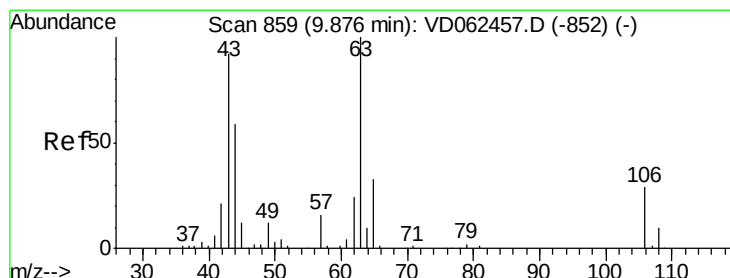
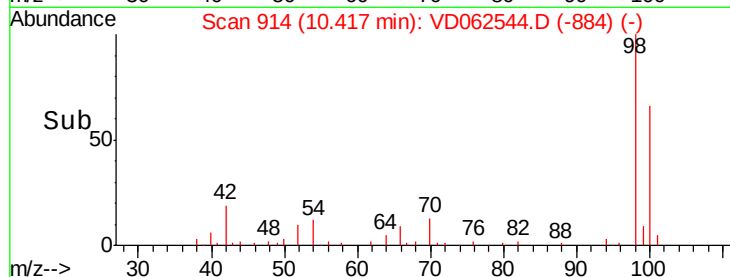
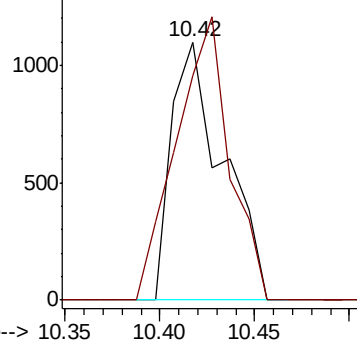
43 100

58 86.9 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: 3.002 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.01 min

Lab File: VD062544.D

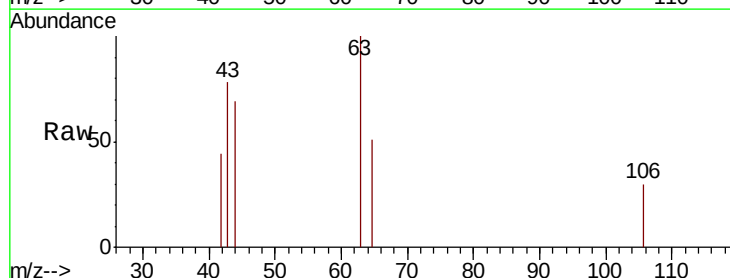
Acq: 28 May 2019 17:41

Tgt Ion: 63 Resp: 2672

Ion Ratio Lower Upper

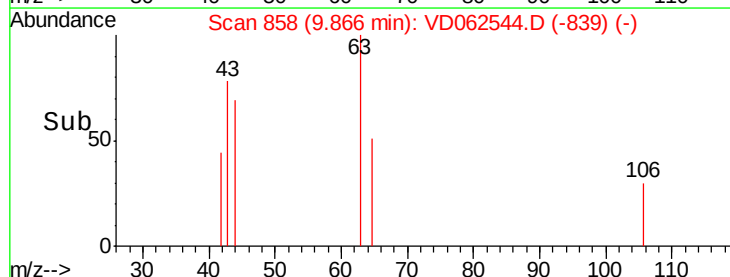
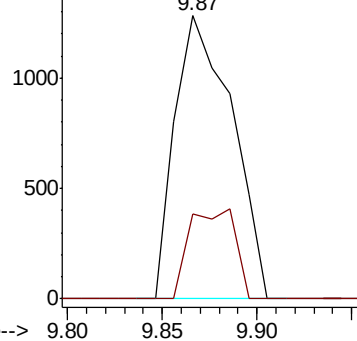
63 100

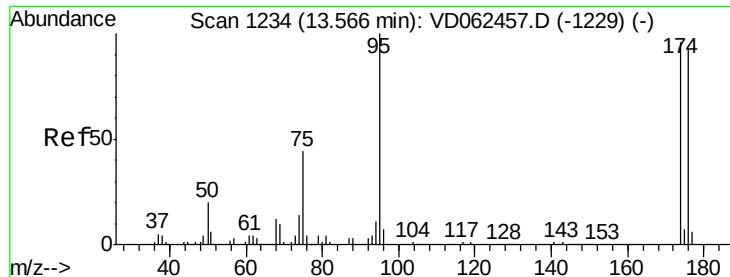
106 30.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

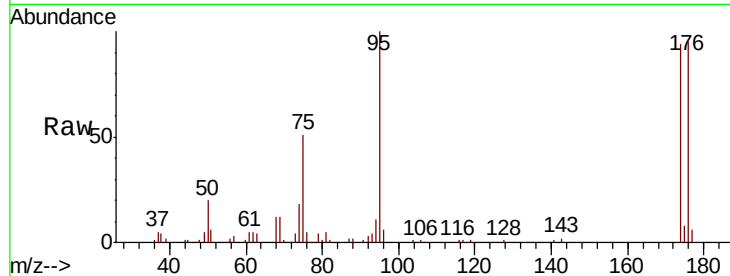




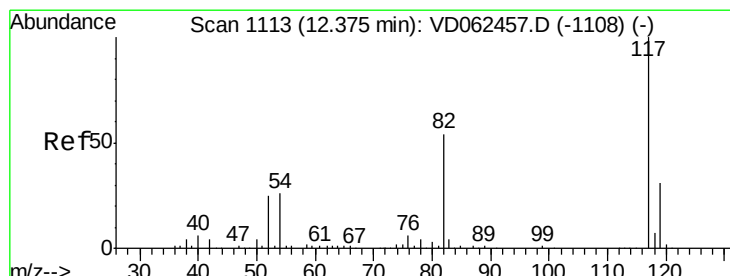
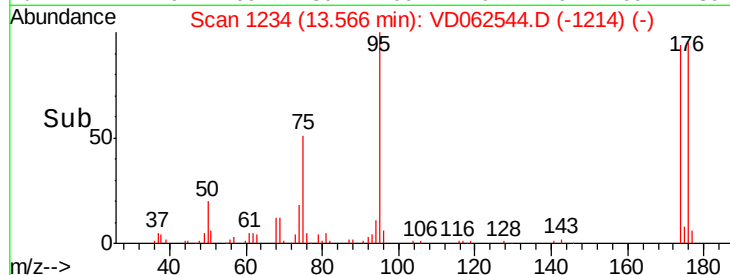
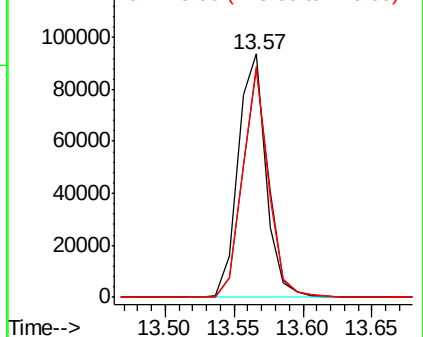
#62
4-Bromofluorobenzene
Concen: 40.970 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VD062544.D
Acq: 28 May 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion: 95 Resp: 131833
Ion Ratio Lower Upper
95 100
174 93.8 0.0 181.8
176 95.1 0.0 174.4

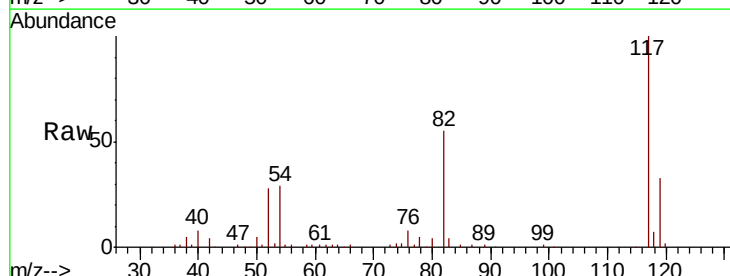


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

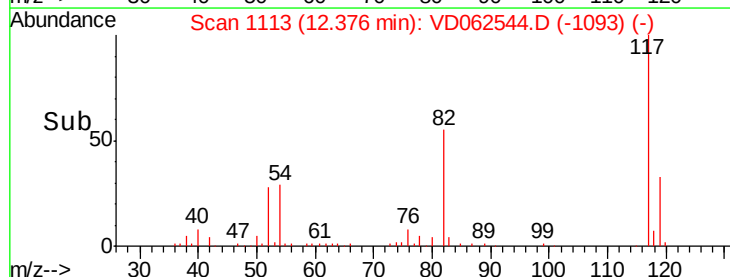
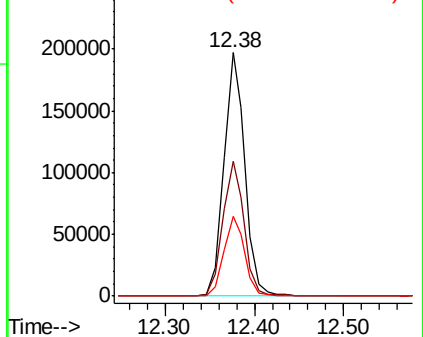


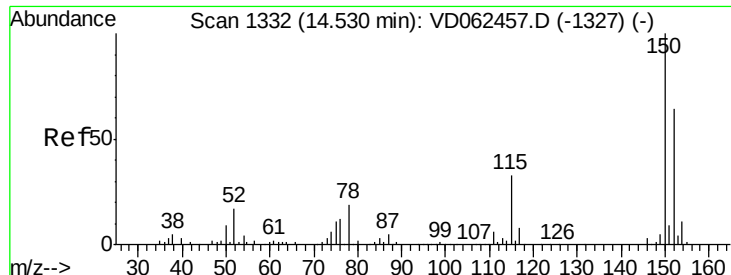
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD062544.D
Acq: 28 May 2019 17:41

Tgt Ion: 117 Resp: 326325
Ion Ratio Lower Upper
117 100
82 55.3 36.2 54.2#
119 32.5 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: 14.53 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD062544.D

Acq: 28 May 2019 17:41

Instrument :

MSVOA_D

ClientSampled :

TP-1

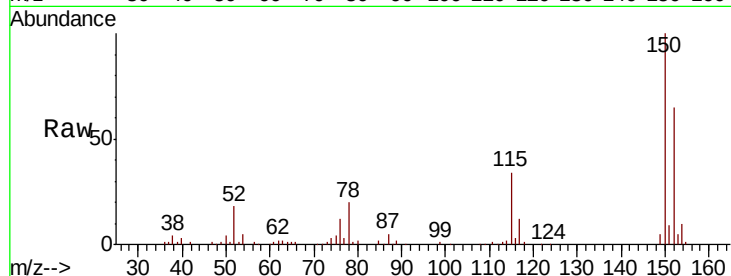
Tot Ion:152 Resp: 182709

Ion Ratio Lower Upper

152 100

115 52.2 30.9 92.7

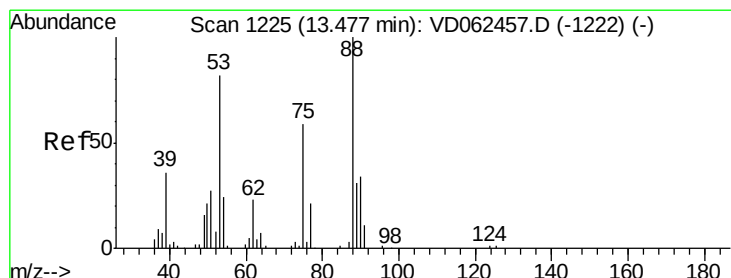
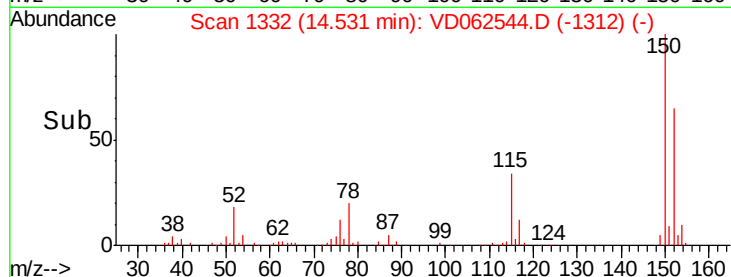
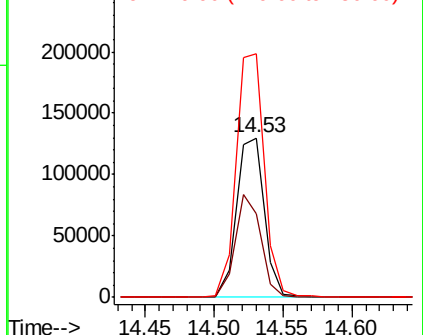
150 152.7 0.0 314.8



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: 115.252 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD062544.D

Acq: 28 May 2019 17:41

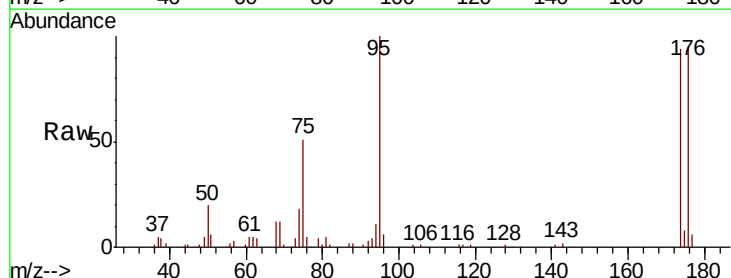
Tgt Ion: 75 Resp: 69952

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

