

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062517.D
 Acq On : 23 May 2019 12:51
 Operator : VA/AP
 Sample : VD0523SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 24 01:19:34 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	7.03	168	603428	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	844023	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	667846	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	371004	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	297189	46.01	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.02%	
35) Dibromofluoromethane	6.91	113	362405	47.60	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.20%	
50) Toluene-d8	10.40	98	794561	47.69	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	13.55	95	337190	46.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.52%	

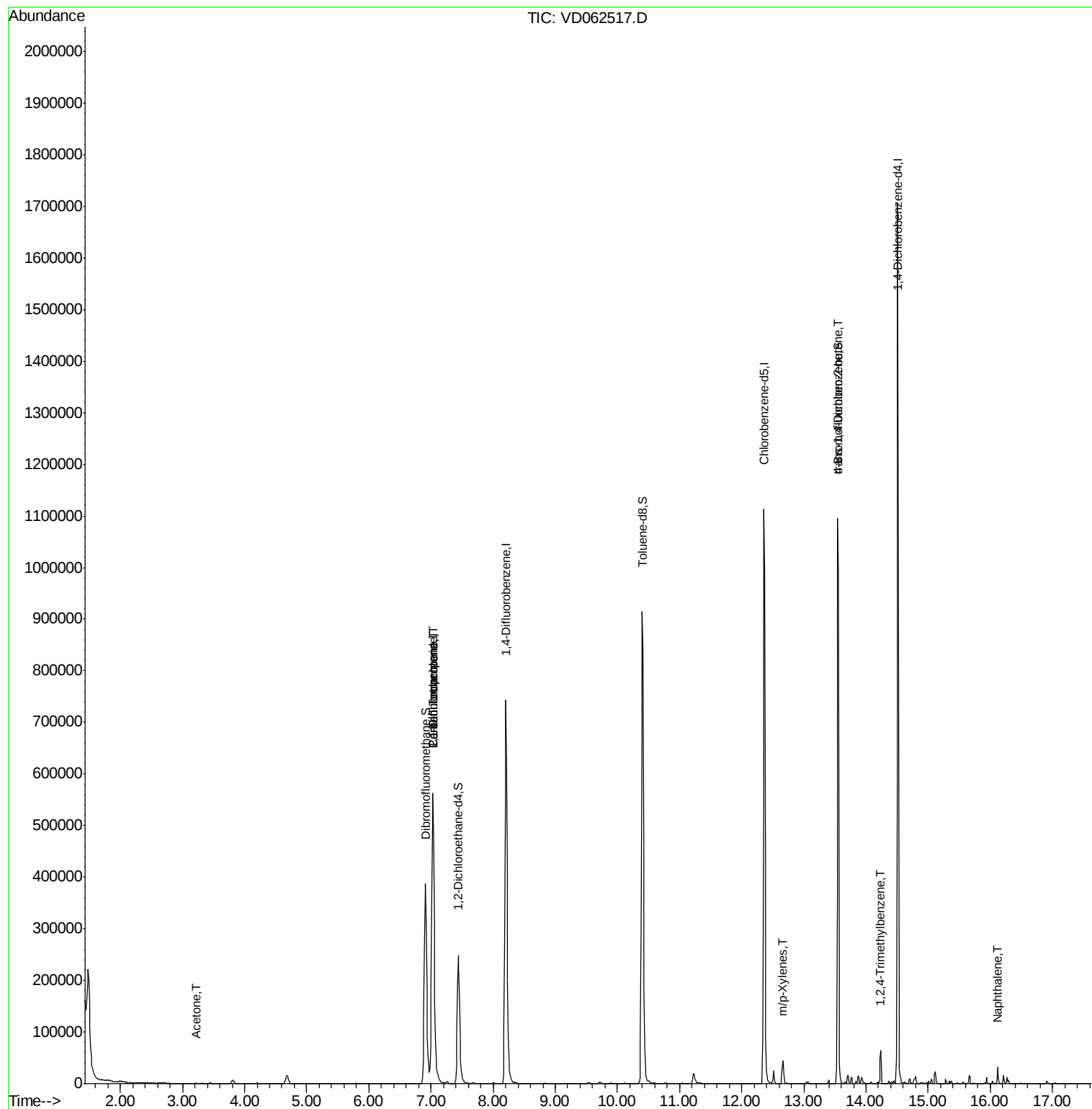
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1175	Below Cal	#	42
16) Acetone	3.21	43	1799	1.554	ug/l #	50
20) Methylene Chloride	3.80	84	4184	Below Cal	#	91
36) 1,1-Dichloropropene	7.03	75	43629	5.407	ug/l #	48
38) Carbon Tetrachloride	7.03	117	59067	4.925	ug/l #	16
68) m/p-Xylenes	12.66	106	14978	1.886	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.55	75	148681	120.638	ug/l #	16
84) 1,2,4-Trimethylbenzene	14.24	105	30016	1.447	ug/l	98
95) Naphthalene	16.12	128	19869	1.854	ug/l	97

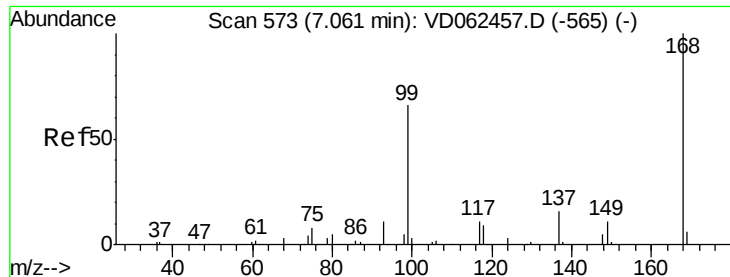
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052319\
Data File : VD062517.D
Acq On : 23 May 2019 12:51
Operator : VA/AP
Sample : VD0523SBL01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: May 24 01:19:34 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: 7.03 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD062517.D

Acq: 23 May 2019 12:51

Instrument :

MSVOA_D

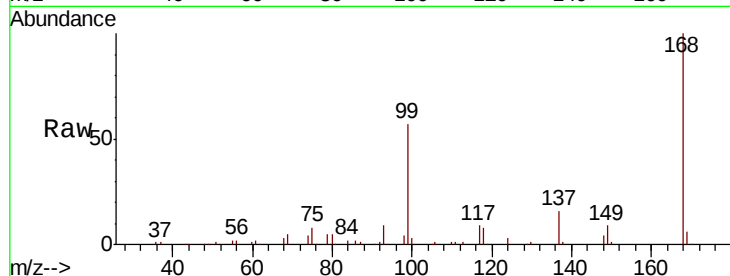
ClientSampleId :

Tot Ion:168 Resp: 603428

Ion Ratio Lower Upper

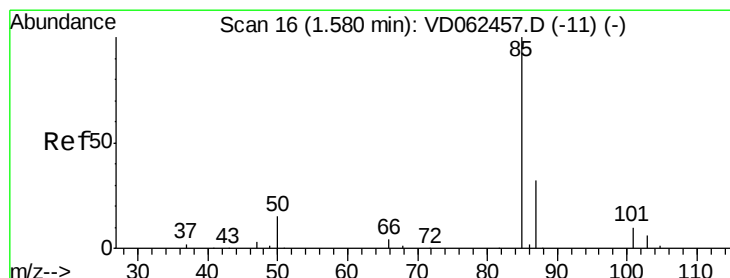
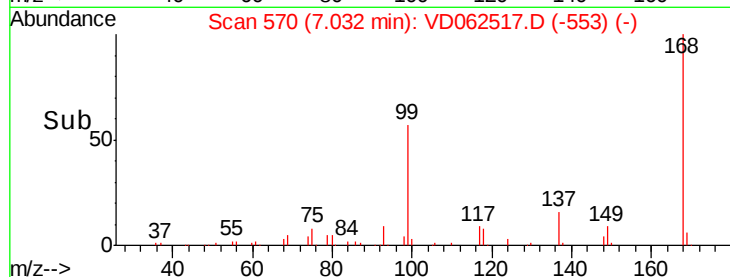
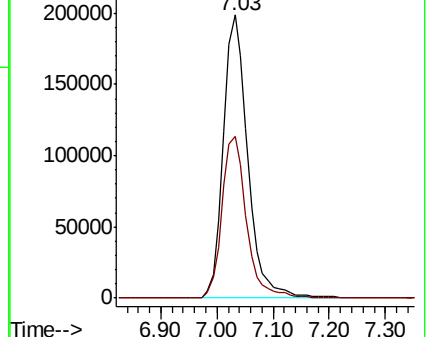
168 100

99 57.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062517.D

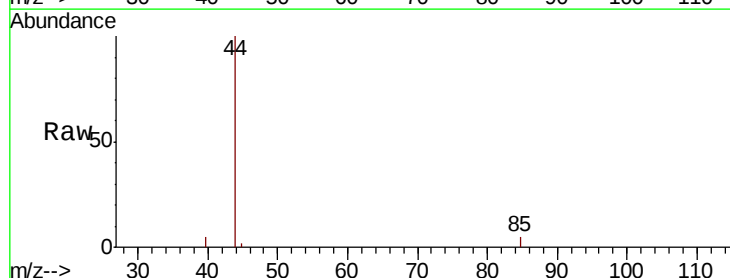
Acq: 23 May 2019 12:51

Tgt Ion: 85 Resp: 1175

Ion Ratio Lower Upper

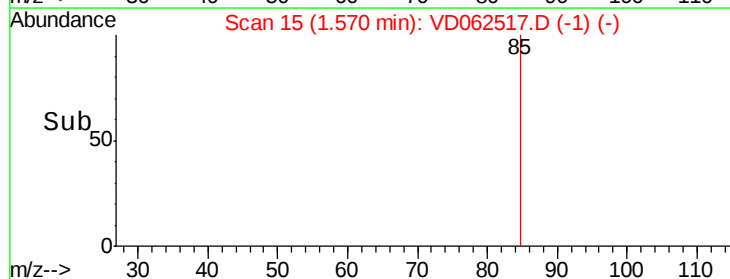
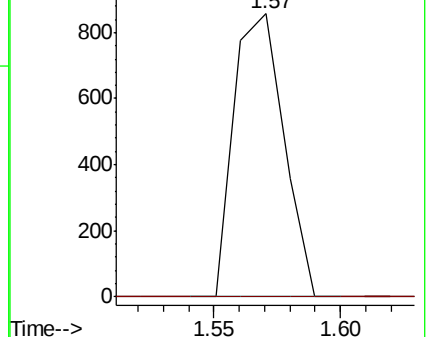
85 100

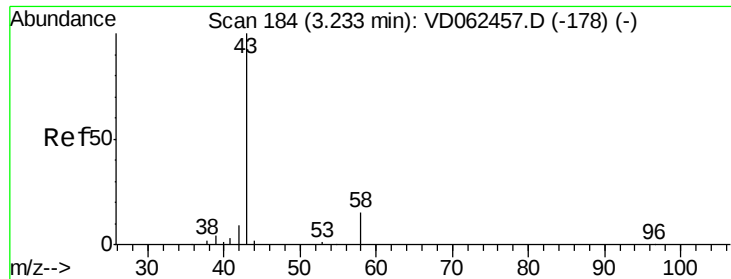
87 0.0 16.2 48.6#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 1.554 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD062517.D

Acq: 23 May 2019 12:51

Instrument :

MSVOA_D

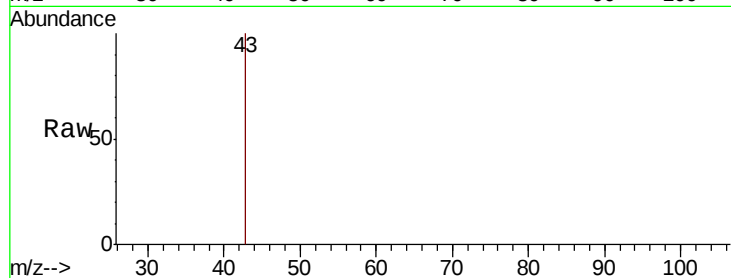
ClientSampleId :

Tot Ion: 43 Resp: 1799

Ion Ratio Lower Upper

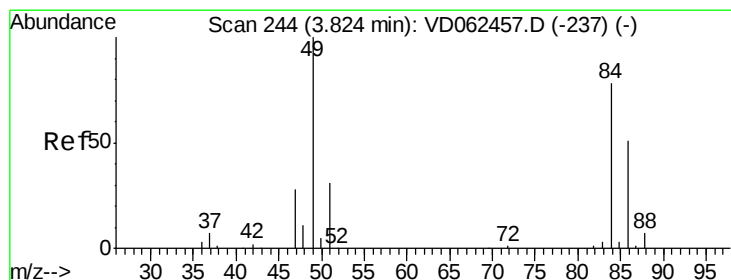
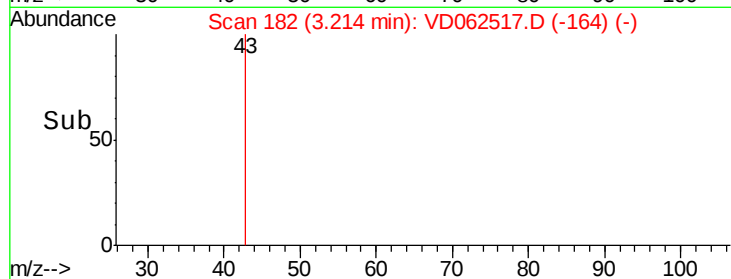
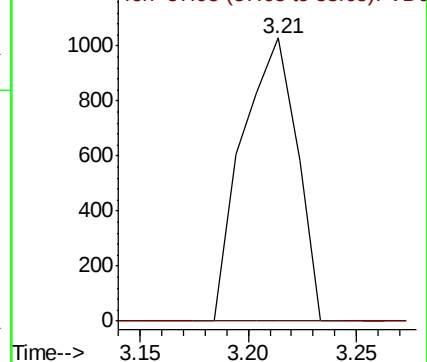
43 100

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



#20

Methylene Chloride

Concen: Below Cal

RT: 3.80 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD062517.D

Acq: 23 May 2019 12:51

Tgt Ion: 84 Resp: 4184

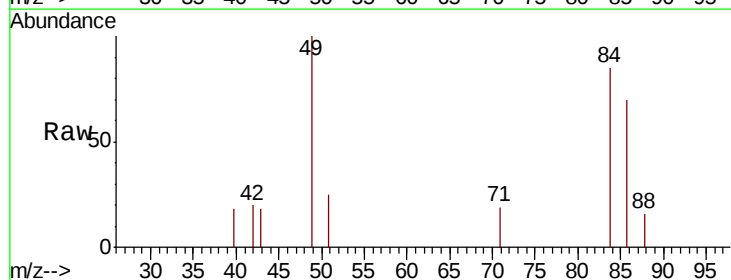
Ion Ratio Lower Upper

84 100

49 118.0 94.0 141.0

51 30.0 29.0 43.4

86 82.1 49.8 74.6#

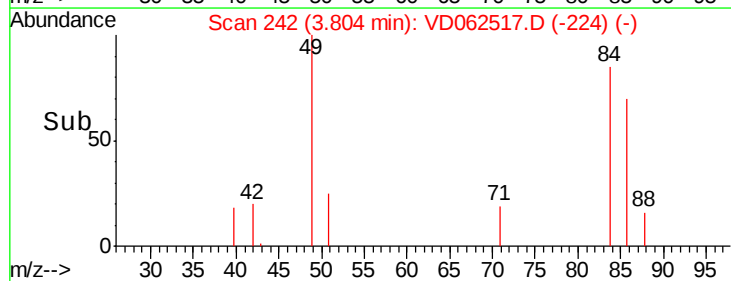
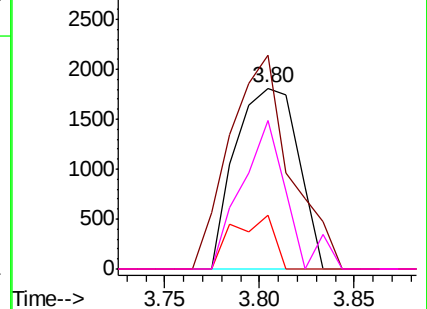


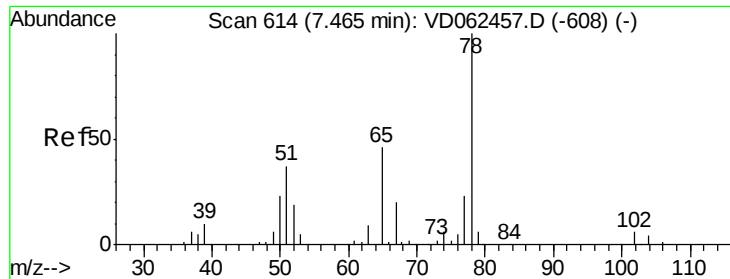
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

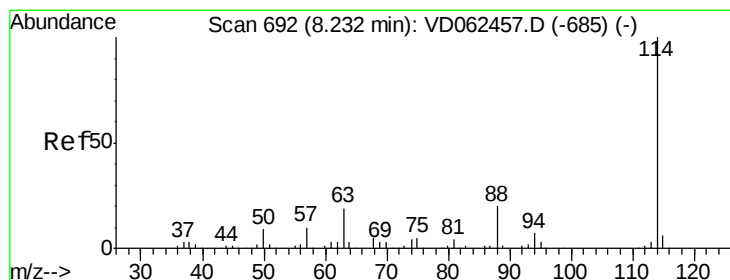
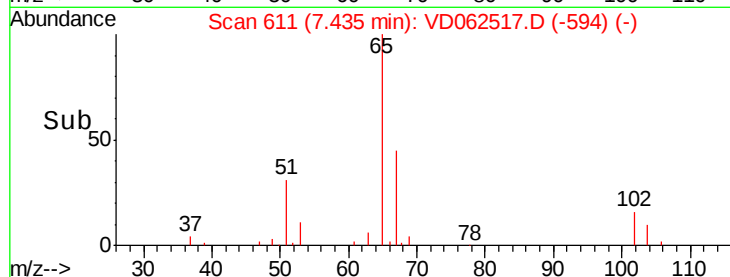
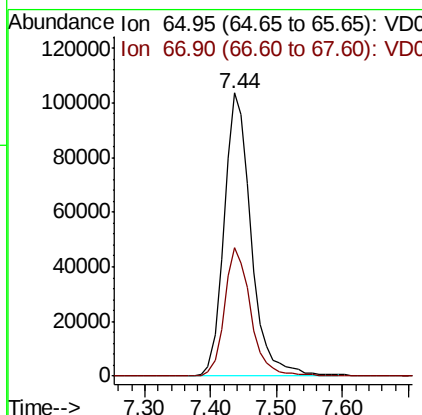
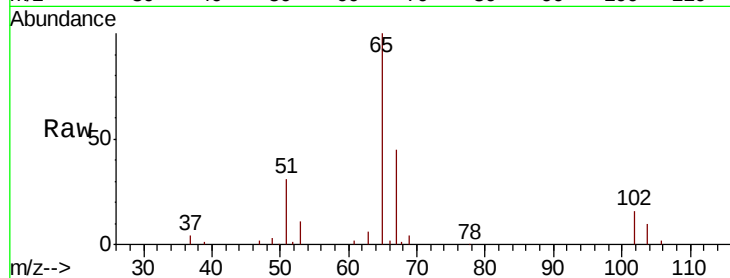




#33
 1,2-Dichloroethane-d4
 Concen: 46.009 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD062517.D
 Acq: 23 May 2019 12:51

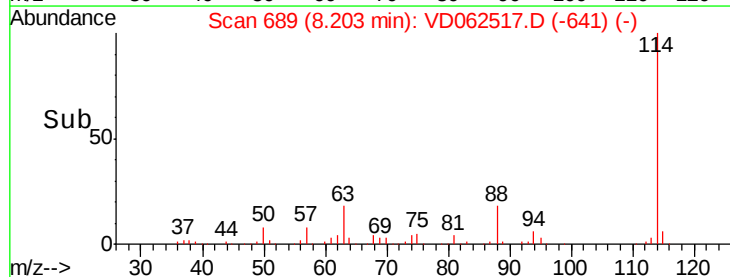
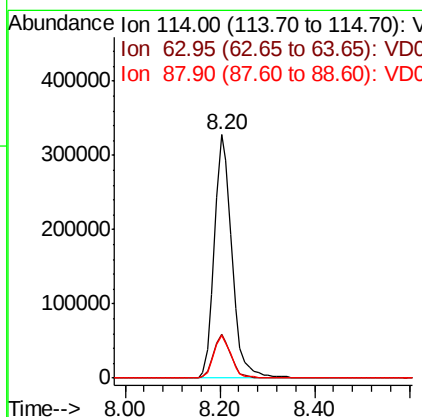
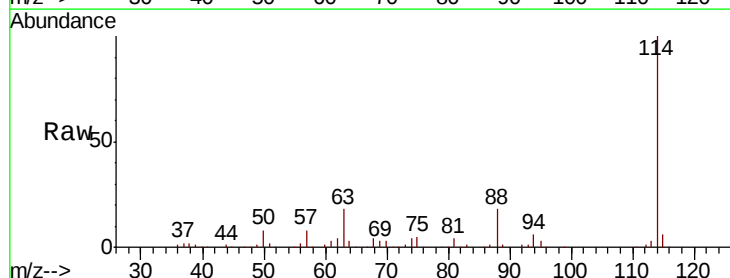
Instrument :
 MSVOA_D
 ClientSampled :

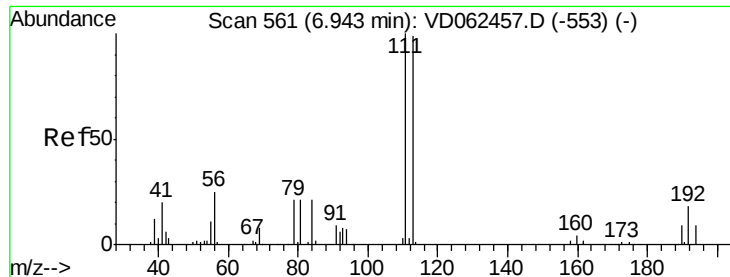
Tot Ion: 65 Resp: 297189
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD062517.D
 Acq: 23 May 2019 12:51

Tgt Ion: 114 Resp: 844023
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 32.4
 88 17.7 0.0 33.6

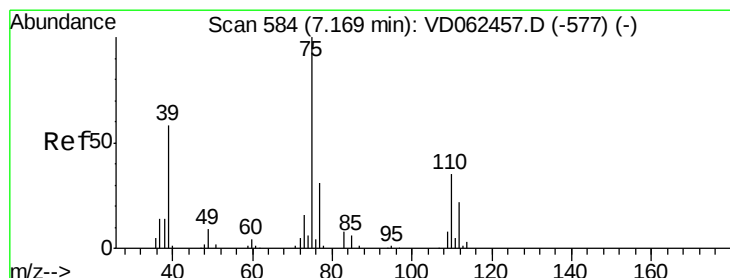
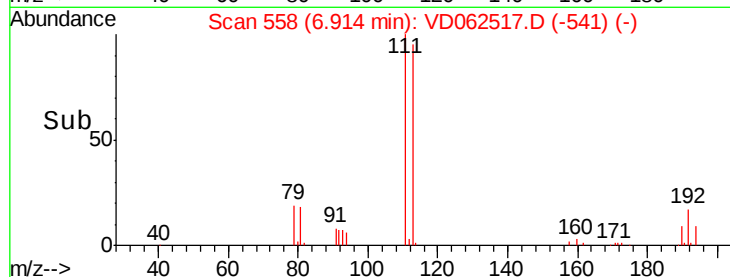
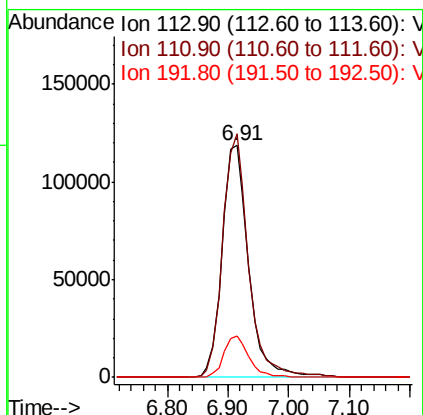
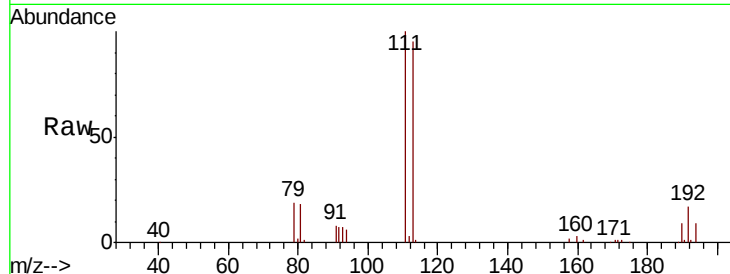




#35
 Dibromofluoromethane
 Concen: 47.596 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VD062517.D
 Acq: 23 May 2019 12:51

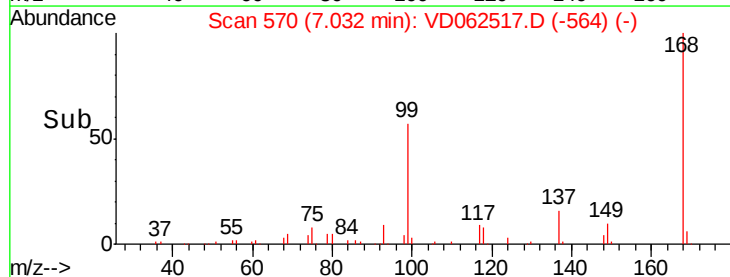
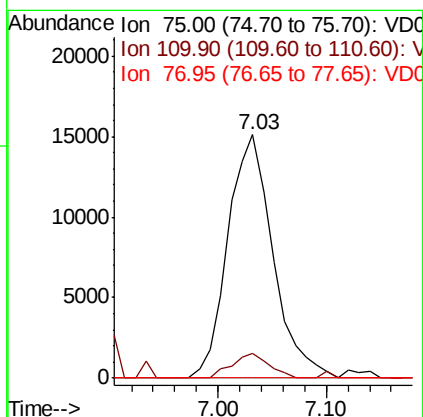
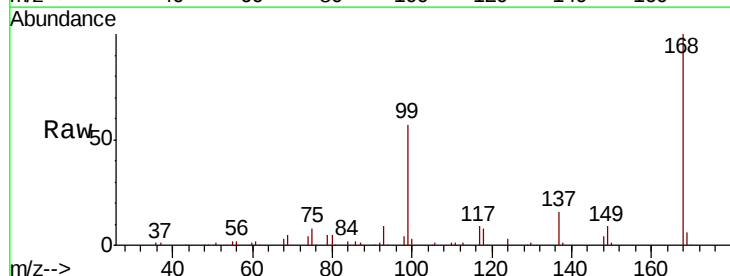
Instrument :
 MSVOA_D
 ClientSampleId :

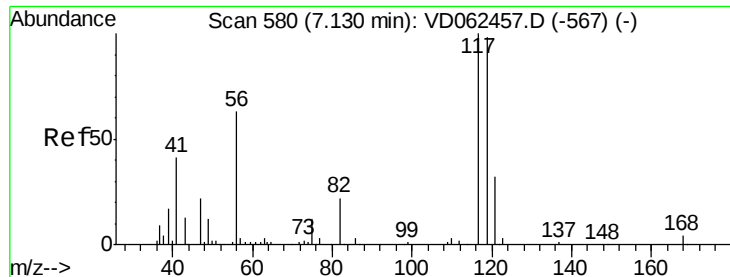
Tot Ion:113 Resp: 362405
 Ion Ratio Lower Upper
 113 100
 111 105.0 78.5 117.7
 192 17.9 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 5.407 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.14 min
 Lab File: VD062517.D
 Acq: 23 May 2019 12:51

Tgt Ion: 75 Resp: 43629
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.925 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD062517.D

Acq: 23 May 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

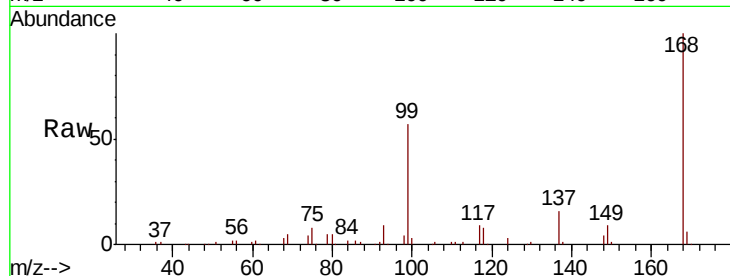
Tot Ion:117 Resp: 59067

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

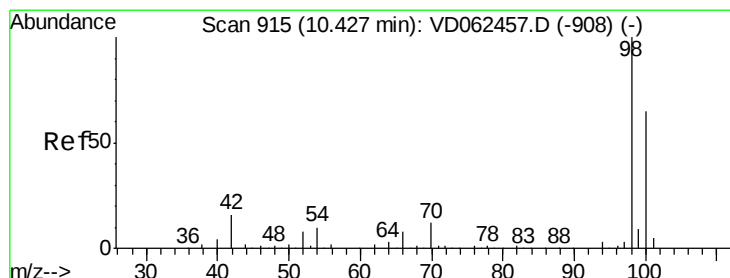
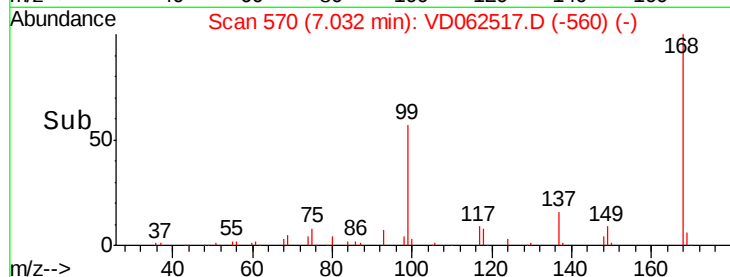
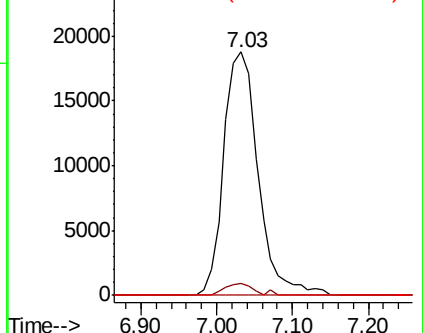
121 0.0 25.9 38.9#



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: 47.685 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.03 min

Lab File: VD062517.D

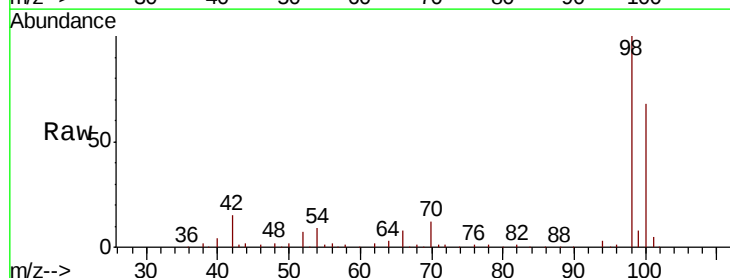
Acq: 23 May 2019 12:51

Tgt Ion: 98 Resp: 794561

Ion Ratio Lower Upper

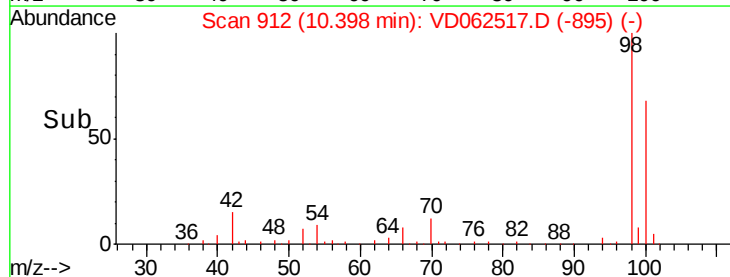
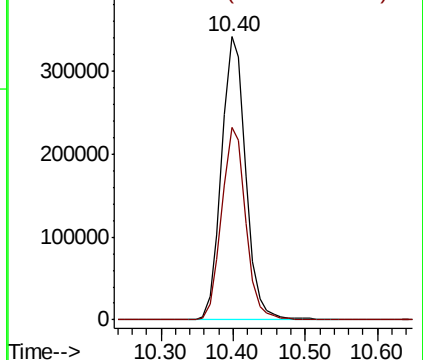
98 100

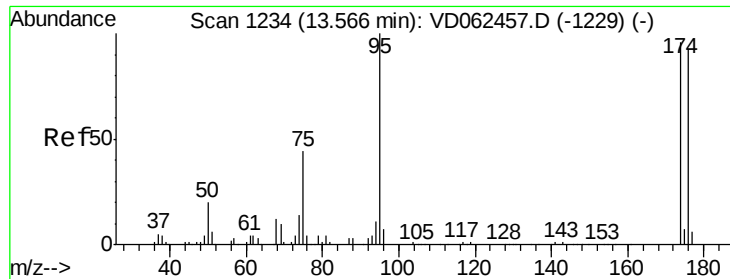
100 68.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 46.261 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VD062517.D

Acq: 23 May 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

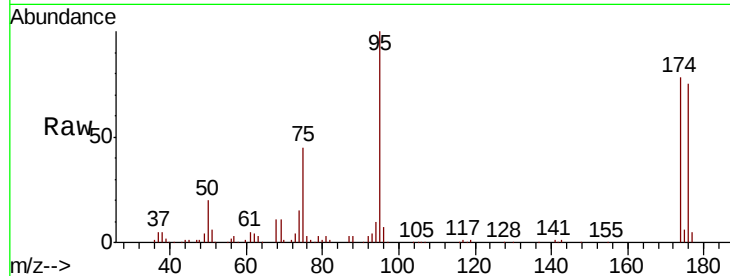
Tot Ion: 95 Resp: 337190

Ion Ratio Lower Upper

95 100

174 77.9 0.0 181.8

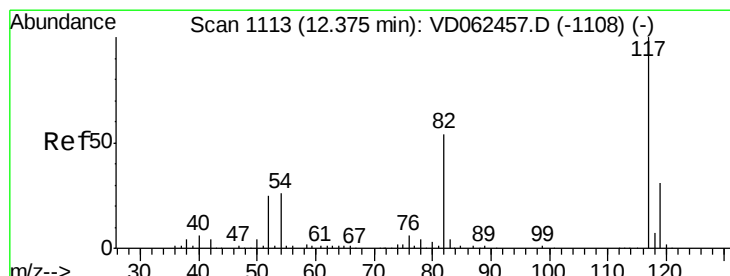
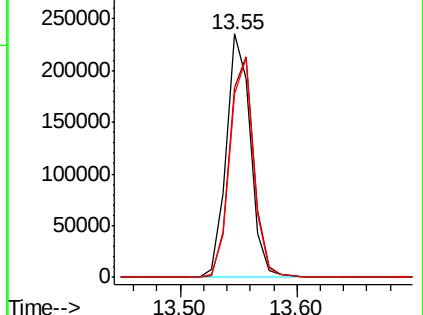
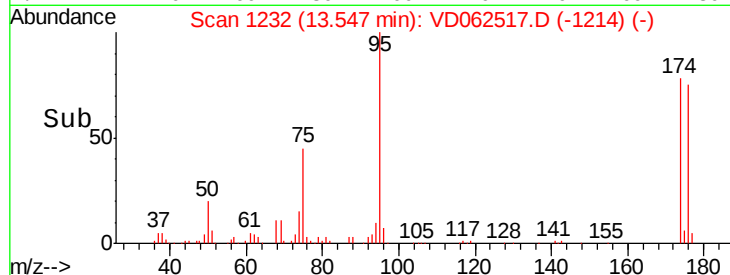
176 75.4 0.0 174.4



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: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD062517.D

Acq: 23 May 2019 12:51

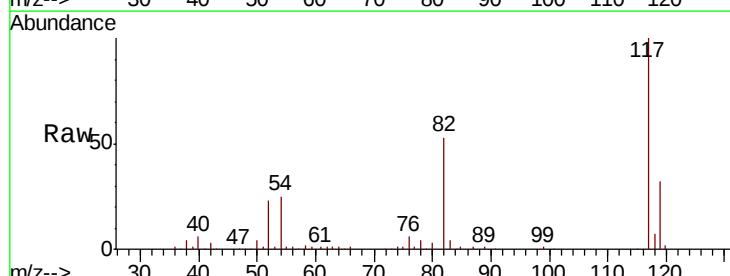
Tgt Ion: 117 Resp: 667846

Ion Ratio Lower Upper

117 100

82 52.8 36.2 54.2

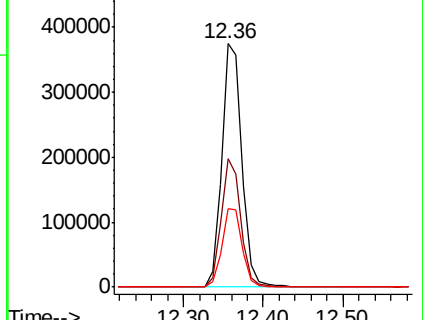
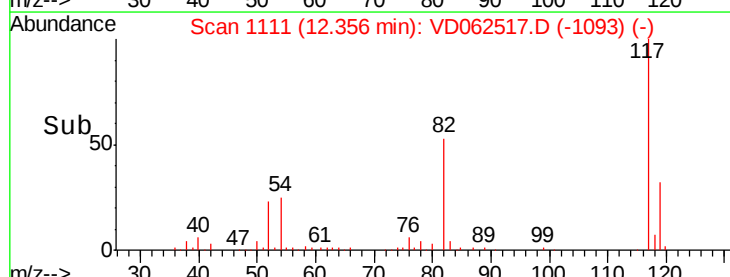
119 32.1 26.2 39.4

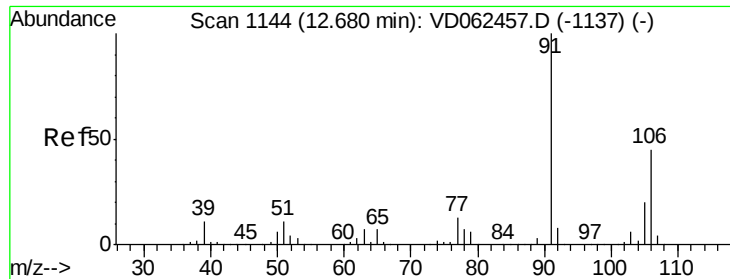


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

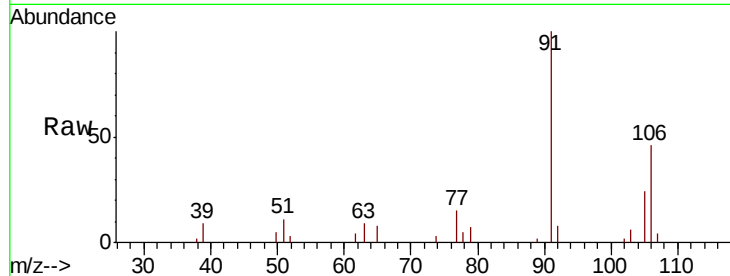




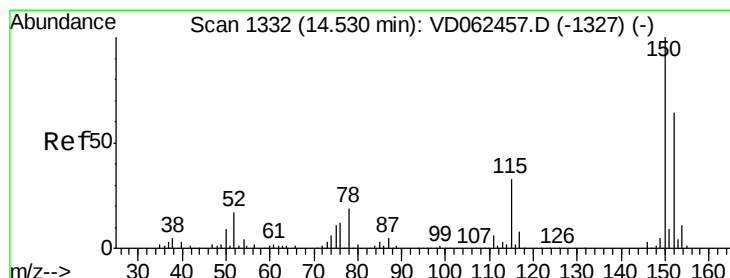
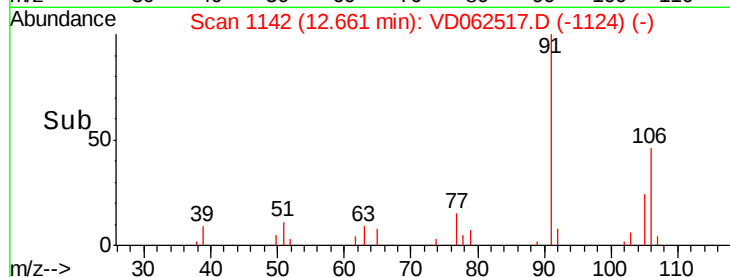
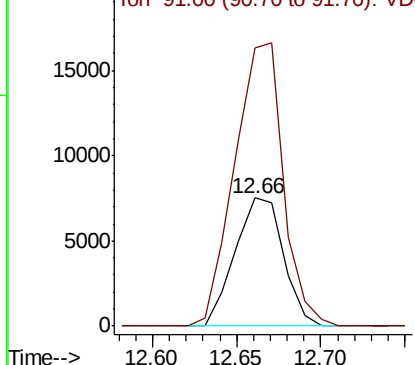
#68
m/p-Xvlenes
Concen: 1.886 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD062517.D
Acq: 23 May 2019 12:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 14978
Ion Ratio Lower Upper
106 100
91 216.3 164.0 246.0

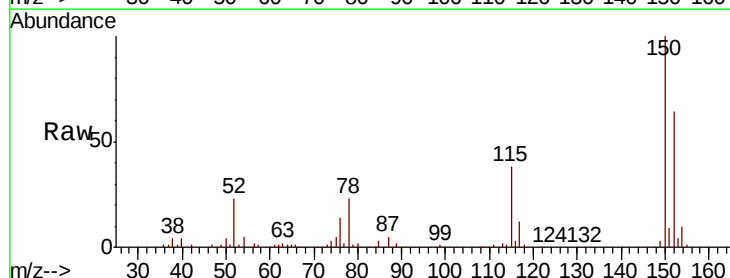


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

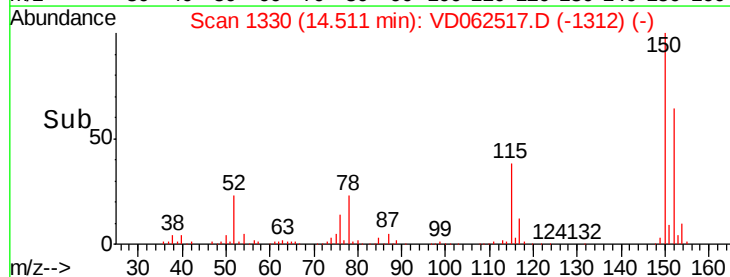
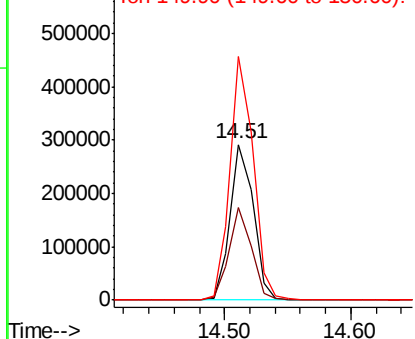


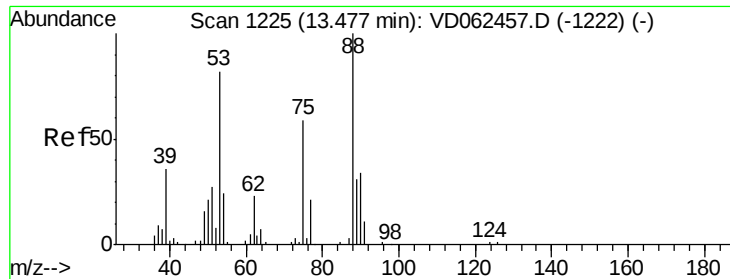
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD062517.D
Acq: 23 May 2019 12:51

Tgt Ion:152 Resp: 371004
Ion Ratio Lower Upper
152 100
115 59.5 30.9 92.7
150 156.8 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: 120.638 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062517.D

Acq: 23 May 2019 12:51

Instrument :

MSVOA_D

ClientSampleId :

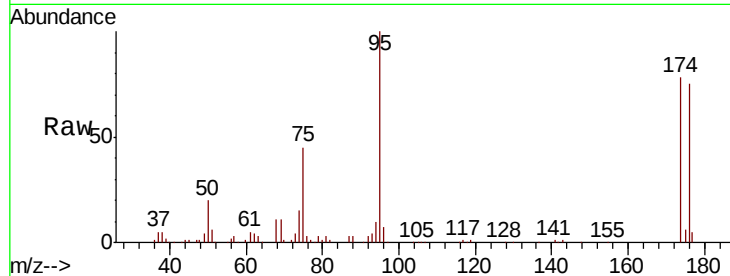
Tot Ion: 75 Resp: 148681

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

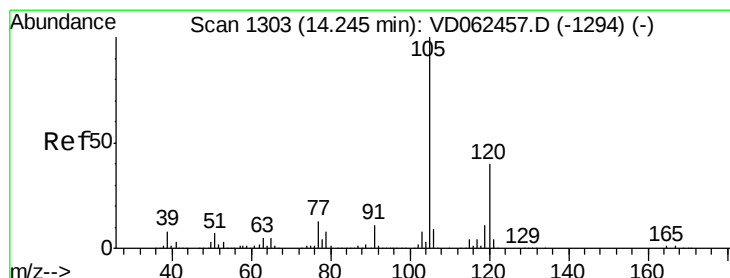
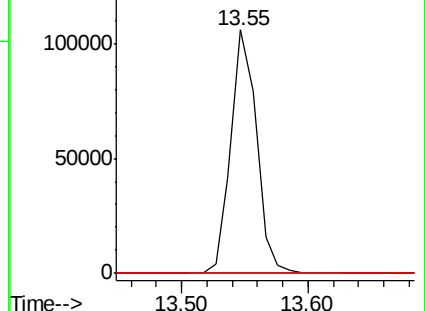
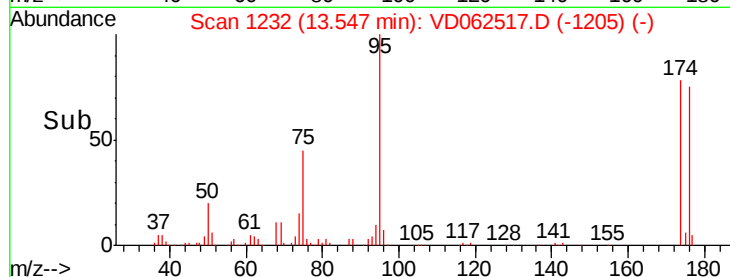
89 0.0 35.0 52.6#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.447 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD062517.D

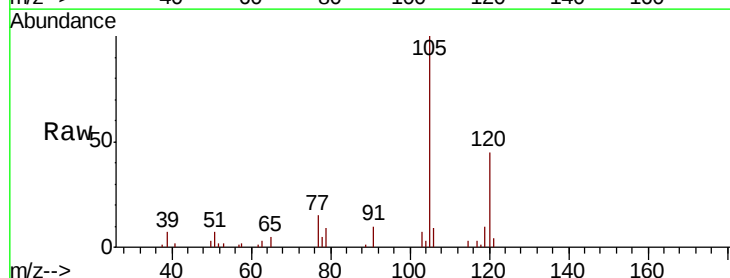
Acq: 23 May 2019 12:51

Tgt Ion:105 Resp: 30016

Ion Ratio Lower Upper

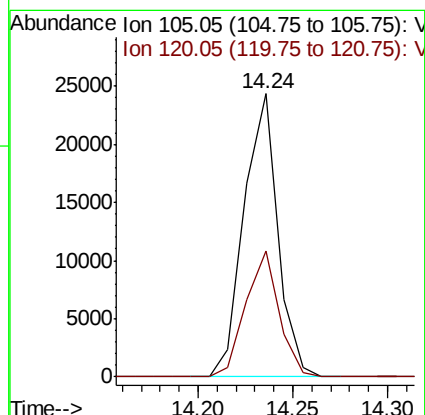
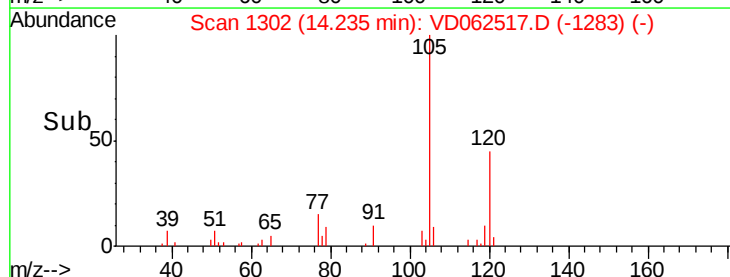
105 100

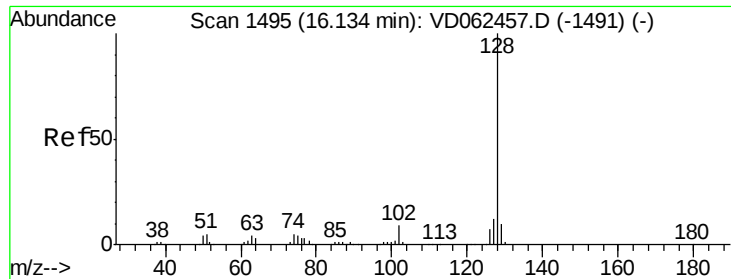
120 44.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#95
 Naphthalene
 Concen: 1.854 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.02 min
 Lab File: VD062517.D
 Acq: 23 May 2019 12:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.8
129	8.9	8.8	13.2

