

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062173.D
 Acq On : 8 May 2019 14:48
 Operator : FY/SY
 Sample : K2717-04
 Misc : 5.15a/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS001-1218-01

Quant Time: May 09 01:24:36 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	7.02	168	794242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1121575	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	962281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	495562	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	430261	58.29	ug/l	0.00
Spiked Amount			Recovery	=	116.58%	
35) Dibromofluoromethane	6.90	113	520994	55.99	ug/l	0.01
Spiked Amount			Recovery	=	111.98%	
50) Toluene-d8	10.39	98	1088569	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	13.55	95	503537	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	

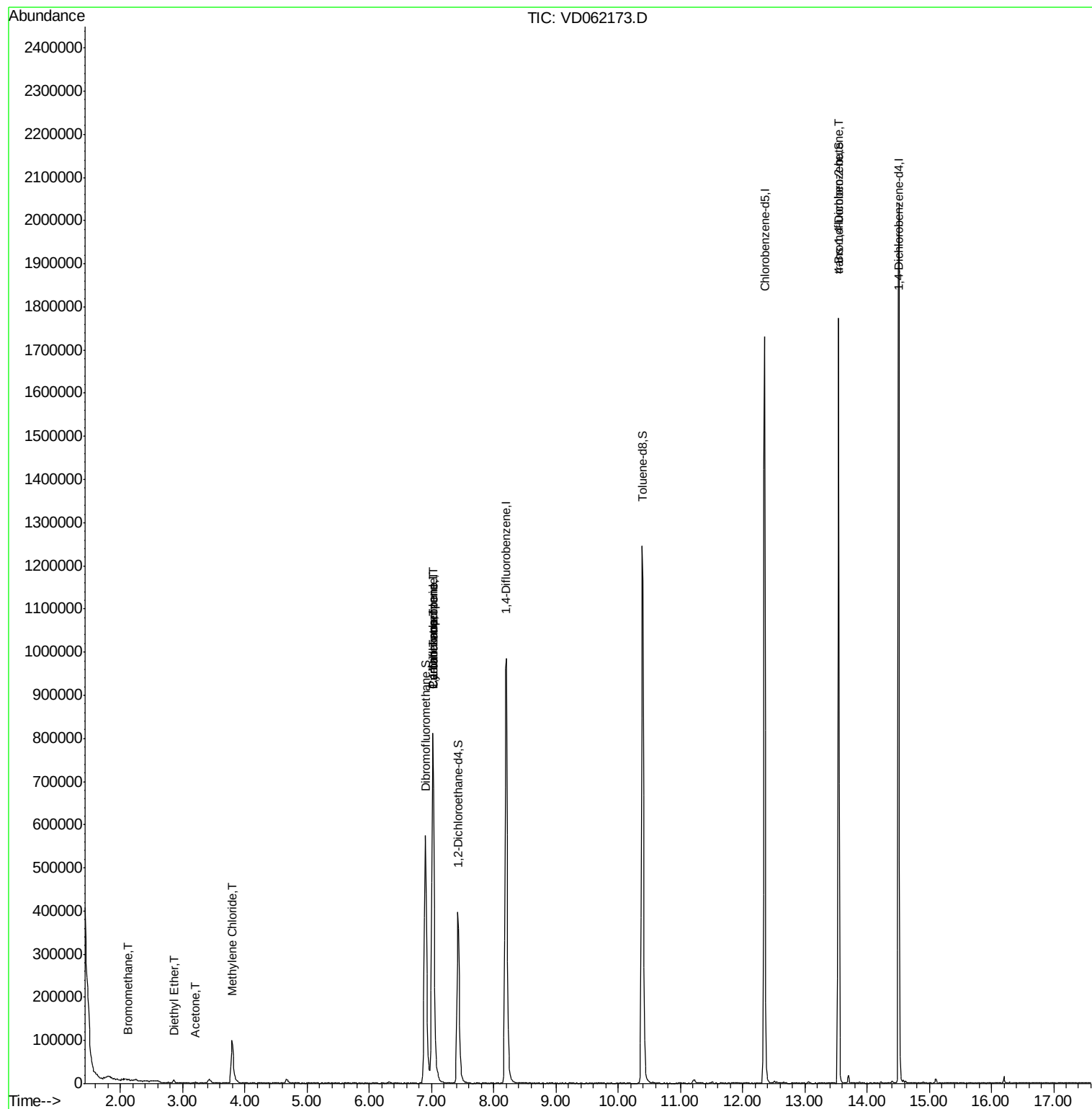
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	1526	1.207	ug/l #	12
8) Diethyl Ether	2.86	74	2491	1.232	ug/l	83
16) Acetone	3.20	43	4714	3.045	ug/l #	50
18) Methyl Acetate	3.51	43	250	Below Cal	#	53
20) Methylene Chloride	3.79	84	71368	11.043	ug/l	98
31) Cyclohexane	7.02	56	15931	2.057	ug/l #	7
36) 1,1-Dichloropropene	7.01	75	59634	6.485	ug/l #	47
38) Carbon Tetrachloride	7.02	117	79253	6.227	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	211851	127.422	ug/l #	16

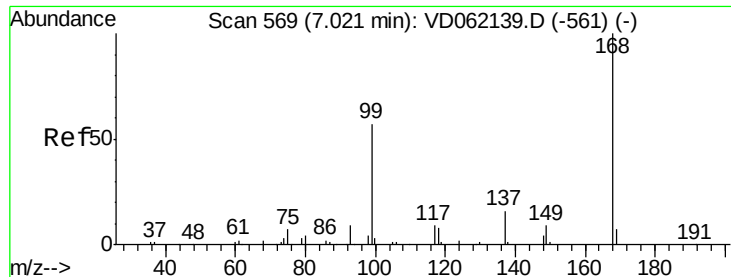
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062173.D

Acq: 8 May 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

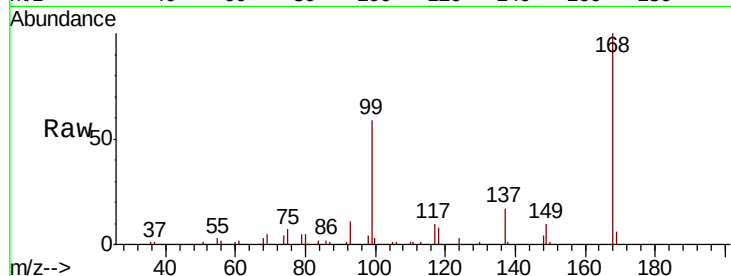
P026-SS001-1218-01

Tot Ion:168 Resp: 794242

Ion Ratio Lower Upper

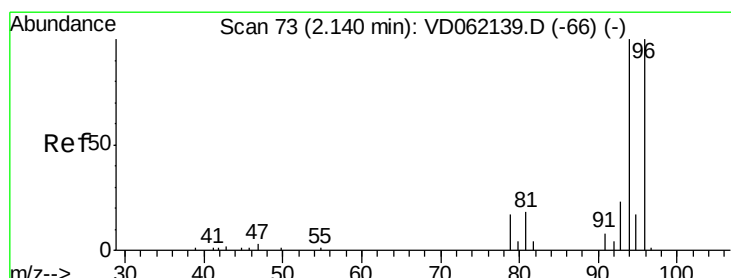
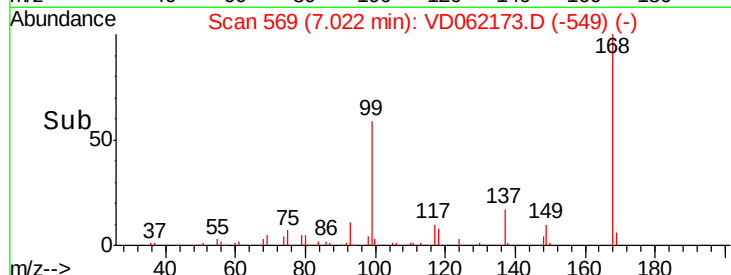
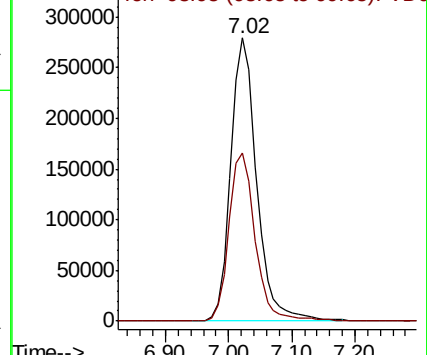
168 100

99 59.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.207 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062173.D

Acq: 8 May 2019 14:48

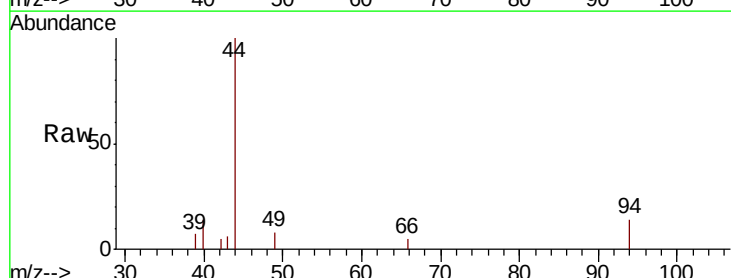
Tgt Ion: 94 Resp: 1526

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

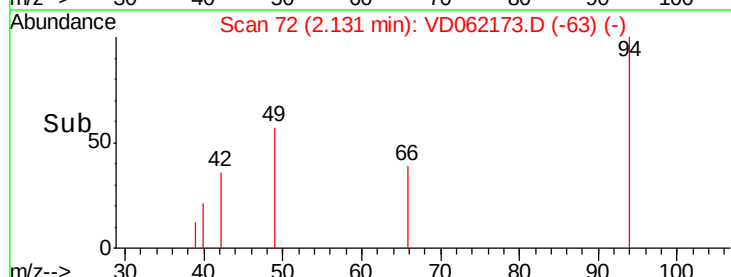
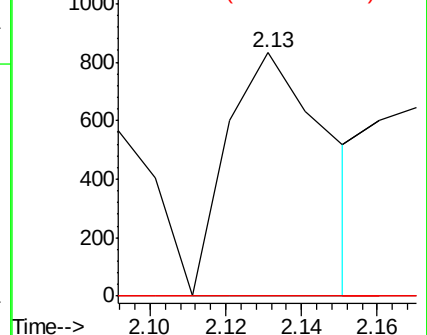
93 0.0 18.5 27.7#

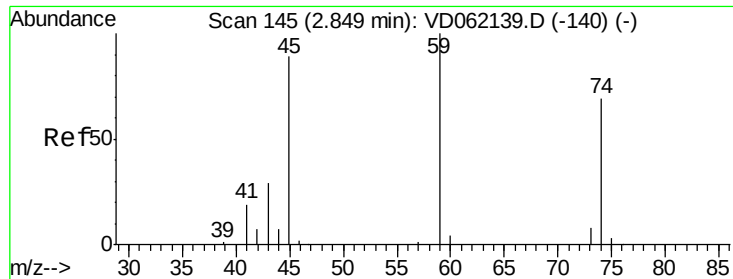


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.232 ug/l

RT: 2.86 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD062173.D

Acq: 8 May 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

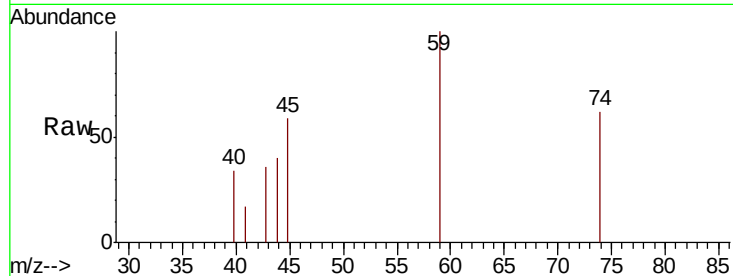
P026-SS001-1218-01

Tot Ion: 74 Resp: 2491

Ion Ratio Lower Upper

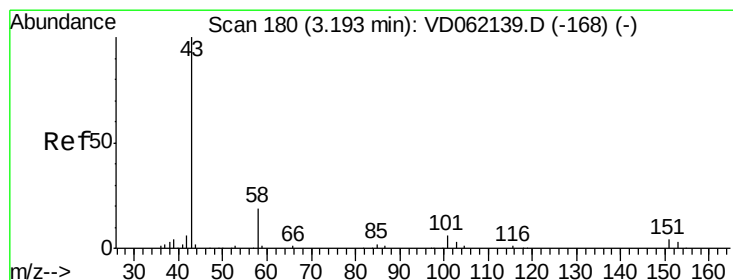
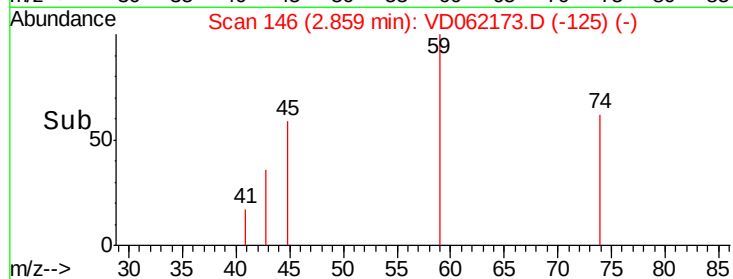
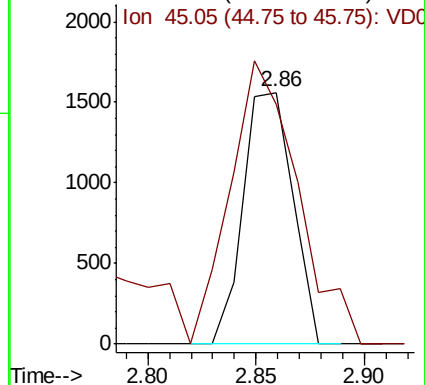
74 100

45 95.1 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 3.045 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062173.D

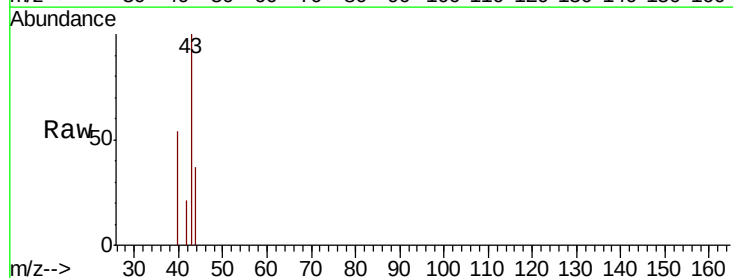
Acq: 8 May 2019 14:48

Tgt Ion: 43 Resp: 4714

Ion Ratio Lower Upper

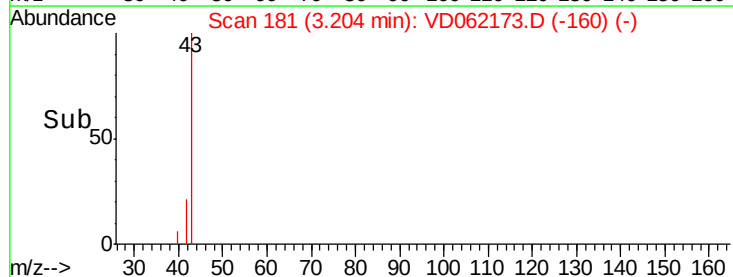
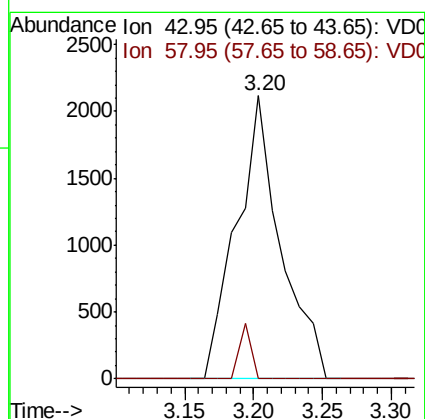
43 100

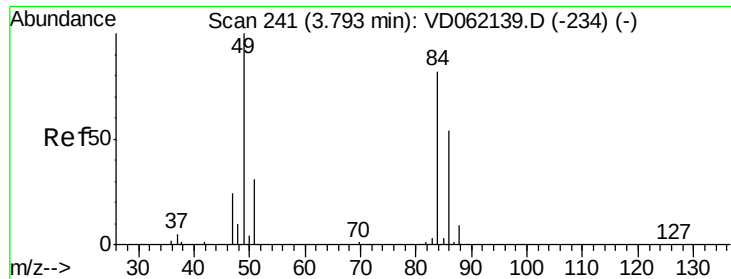
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

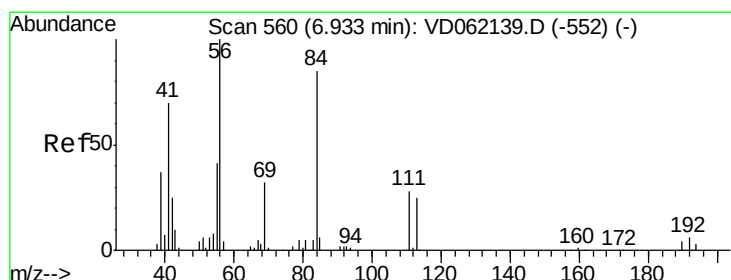
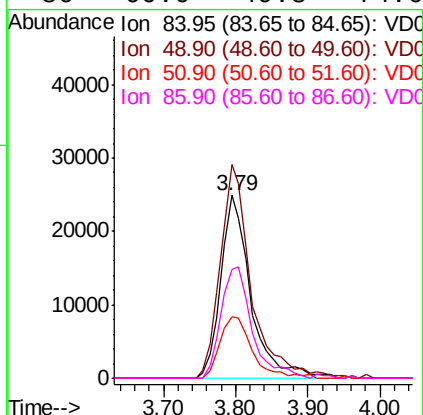
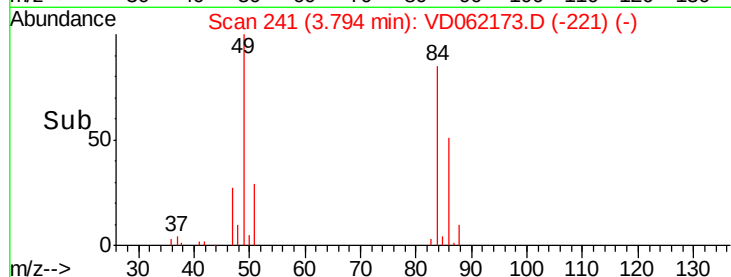
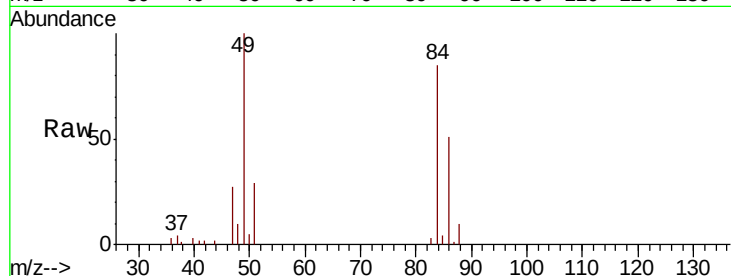




#20
Methylene Chloride
Concen: 11.043 ug/l
RT: 3.79 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD062173.D
Acq: 8 May 2019 14:48

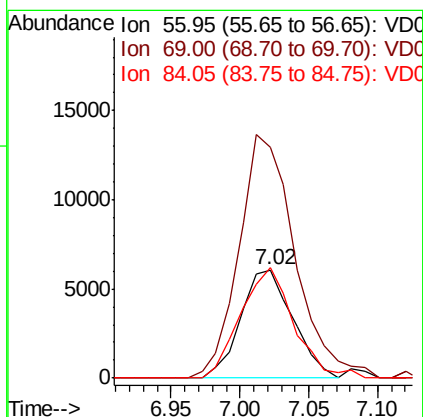
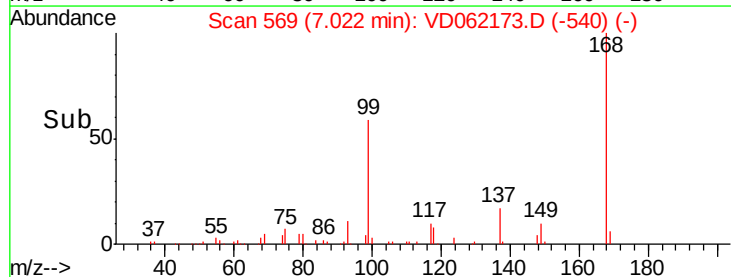
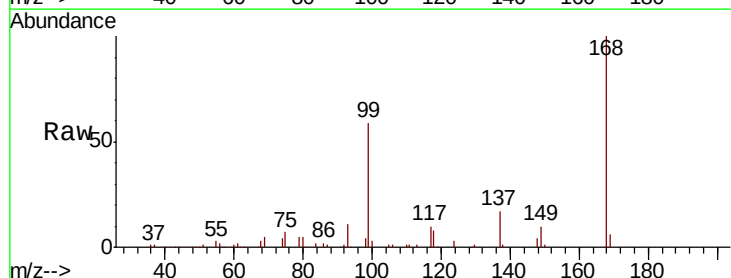
Instrument :
MSVOA_D
ClientSampleId :
P026-SS001-1218-01

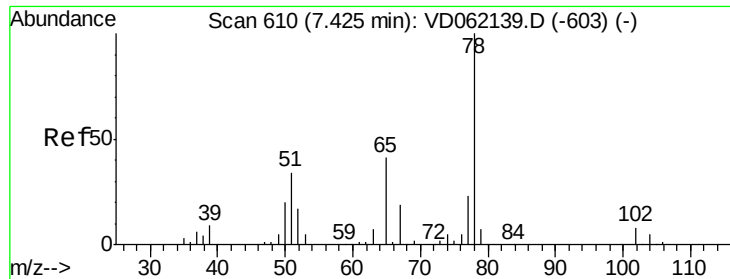
Tot Ion:	84	Resp:	71368
Ion	Ratio	Lower	Upper
84	100		
49	117.1	94.0	141.0
51	34.0	29.0	43.4
86	60.0	49.8	74.6



#31
Cyclohexane
Concen: 2.057 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD062173.D
Acq: 8 May 2019 14:48

Tgt Ion:	56	Resp:	15931
Ion	Ratio	Lower	Upper
56	100		
69	212.5	25.8	38.6#
84	101.2	72.2	108.4

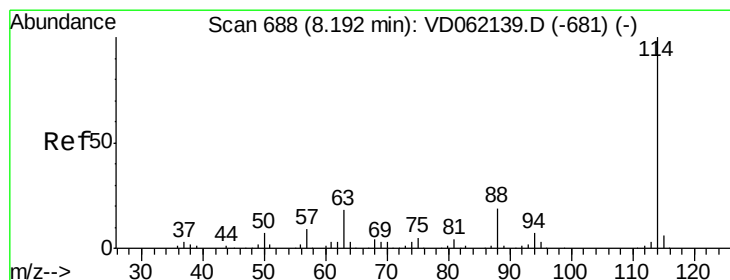
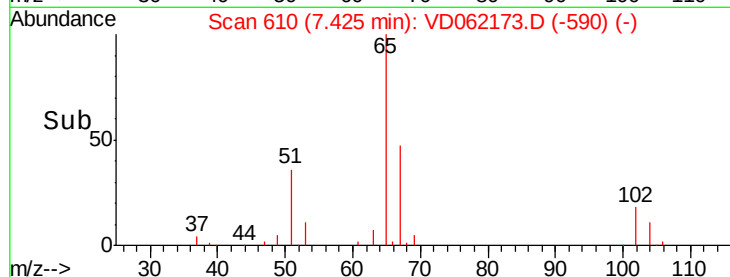
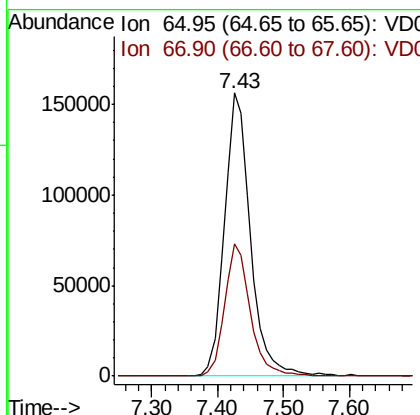
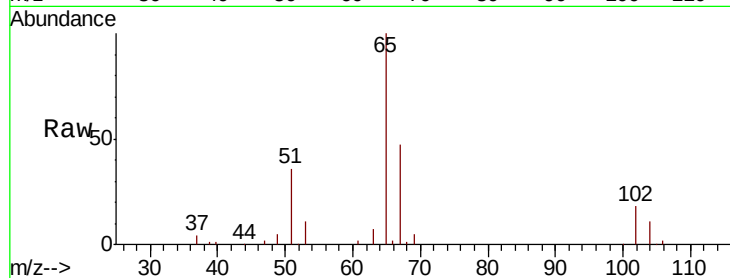




#33
 1,2-Dichloroethane-d4
 Concen: 58.293 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD062173.D
 Acq: 8 May 2019 14:48

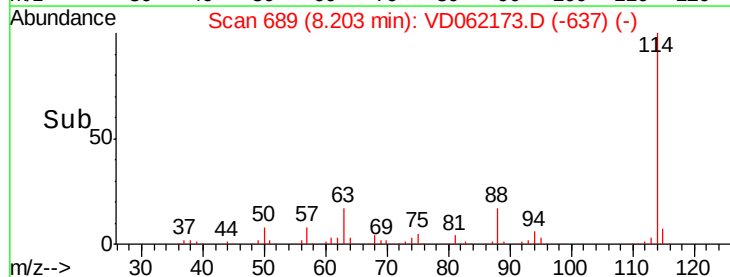
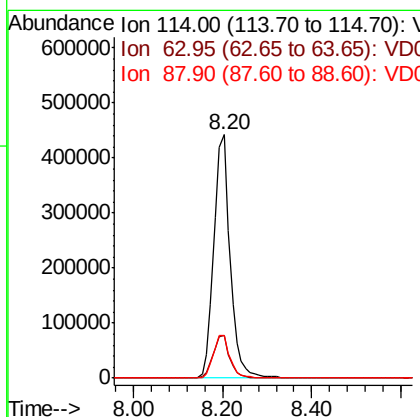
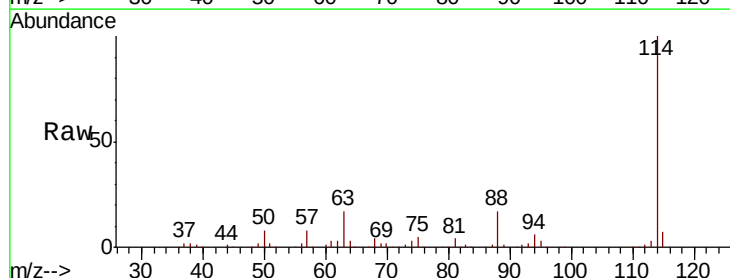
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS001-1218-01

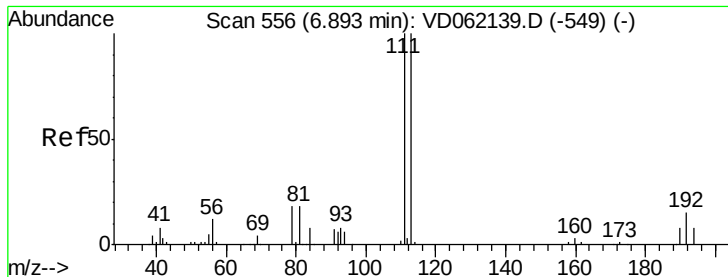
Tot Ion: 65 Resp: 430261
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062173.D
 Acq: 8 May 2019 14:48

Tgt Ion: 114 Resp: 1121575
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 32.4
 88 17.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 55.986 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062173.D

Acq: 8 May 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

P026-SS001-1218-01

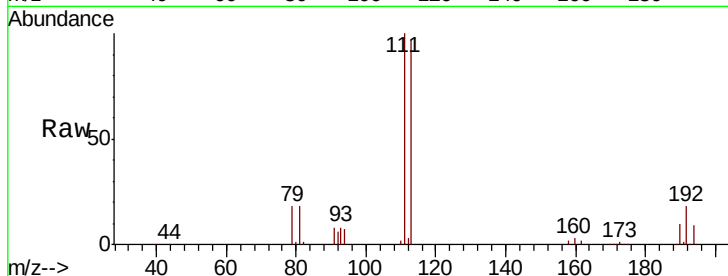
Tot Ion:113 Resp: 520994

Ion Ratio Lower Upper

113 100

111 103.5 78.5 117.7

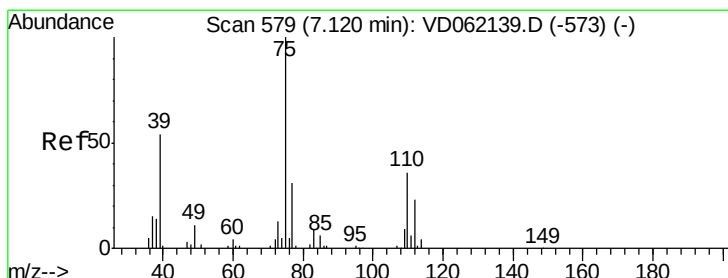
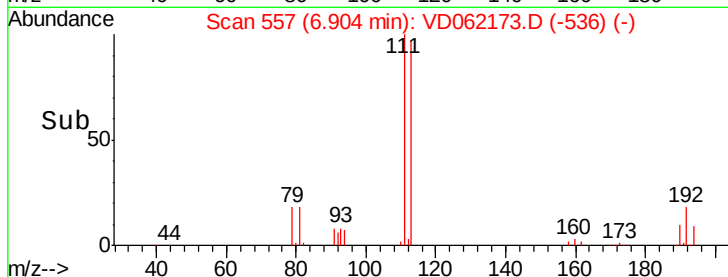
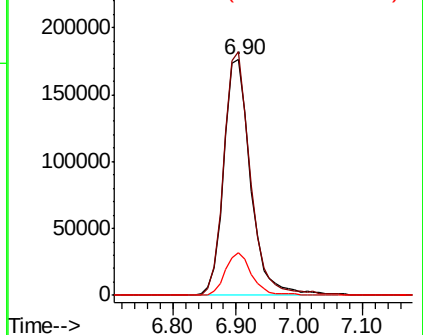
192 18.3 13.0 19.4



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: 6.485 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD062173.D

Acq: 8 May 2019 14:48

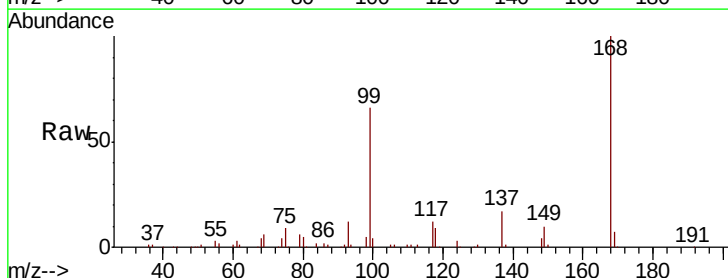
Tgt Ion: 75 Resp: 59634

Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.1#

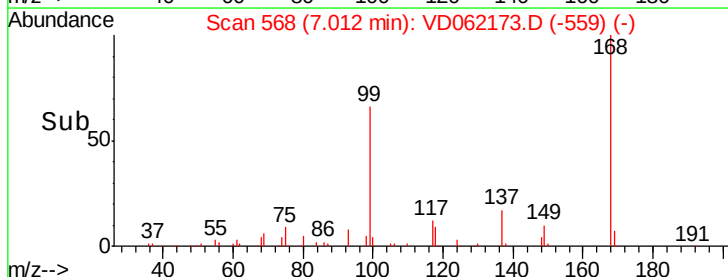
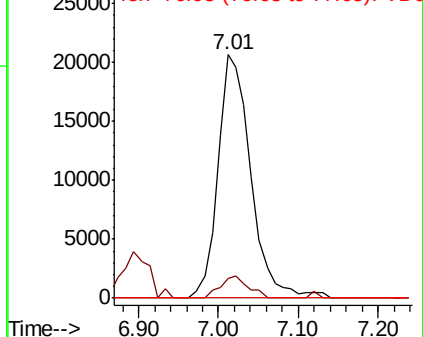
77 0.0 25.6 38.4#

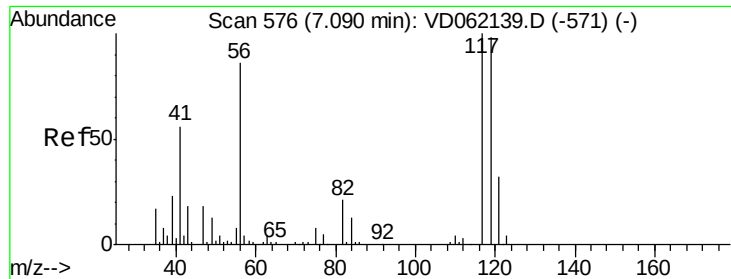


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.227 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD062173.D

Acq: 8 May 2019 14:48

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ClientSampleId :

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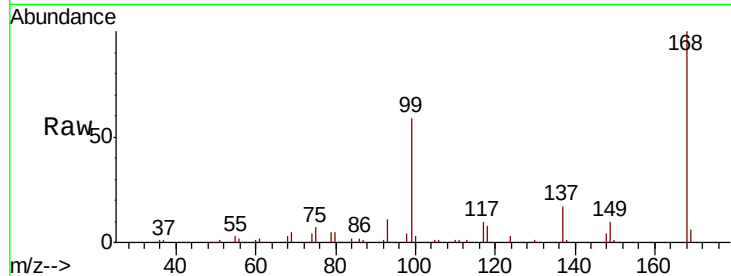
Tot Ion:117 Resp: 79253

Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.8#

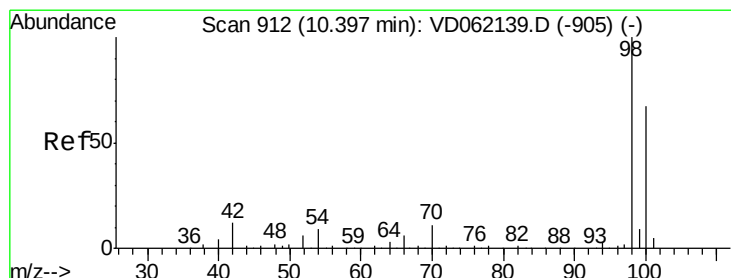
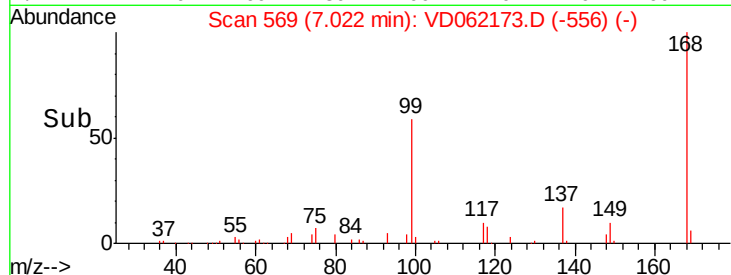
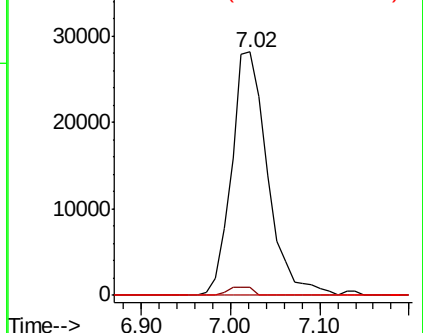
121 0.0 25.9 38.9#



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: 48.517 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD062173.D

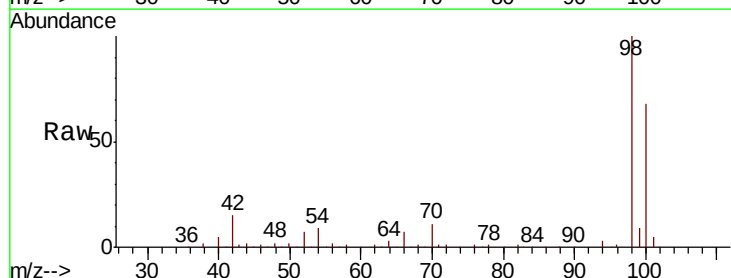
Acq: 8 May 2019 14:48

Tgt Ion: 98 Resp: 1088569

Ion Ratio Lower Upper

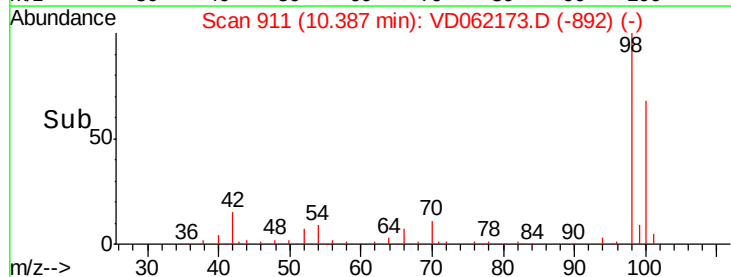
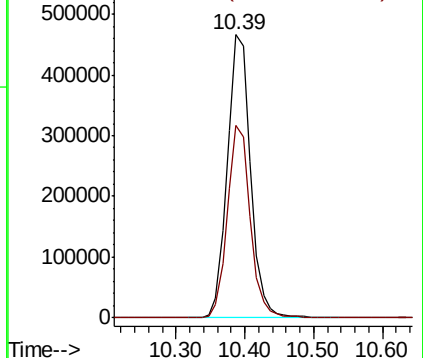
98 100

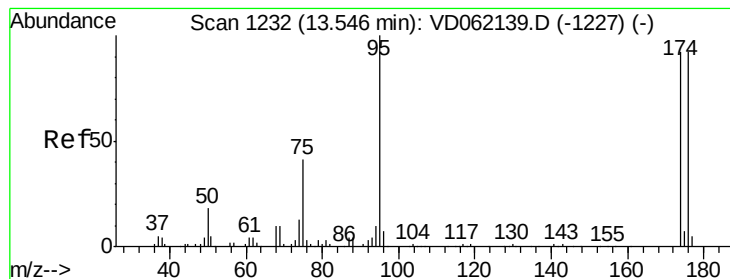
100 68.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 55.887 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062173.D

Acq: 8 May 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

P026-SS001-1218-01

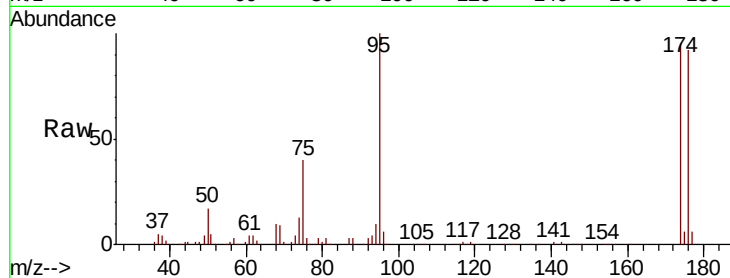
Tot Ion: 95 Resp: 503537

Ion Ratio Lower Upper

95 100

174 94.5 0.0 181.8

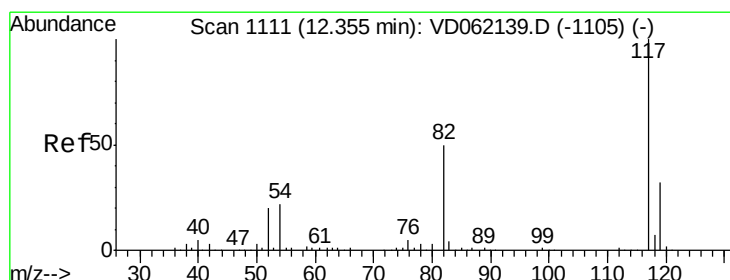
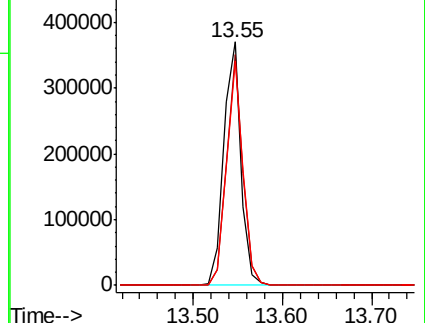
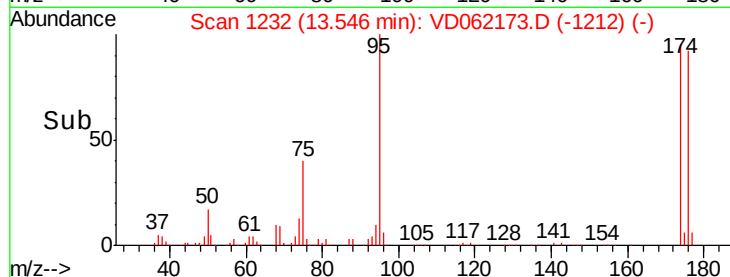
176 91.9 0.0 174.4



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. 0.00 min

Lab File: VD062173.D

Acq: 8 May 2019 14:48

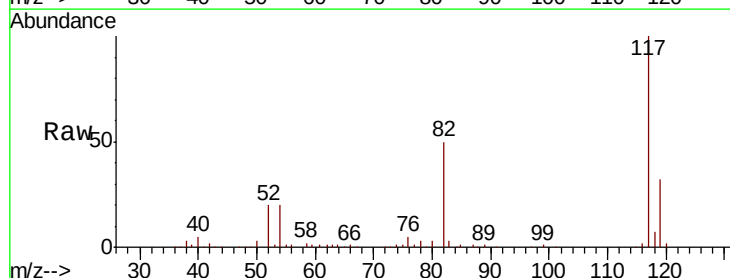
Tgt Ion: 117 Resp: 962281

Ion Ratio Lower Upper

117 100

82 50.3 36.2 54.2

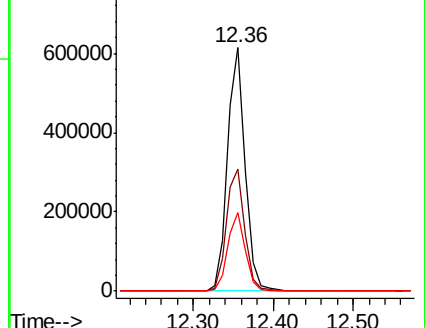
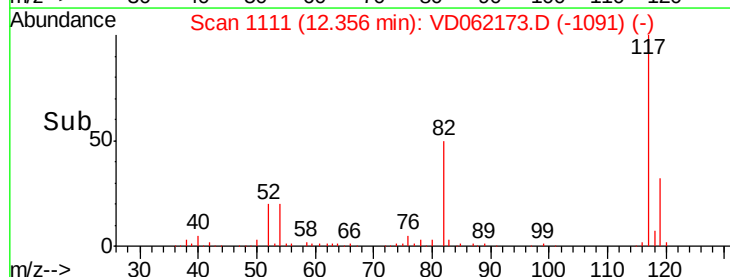
119 32.3 26.2 39.4

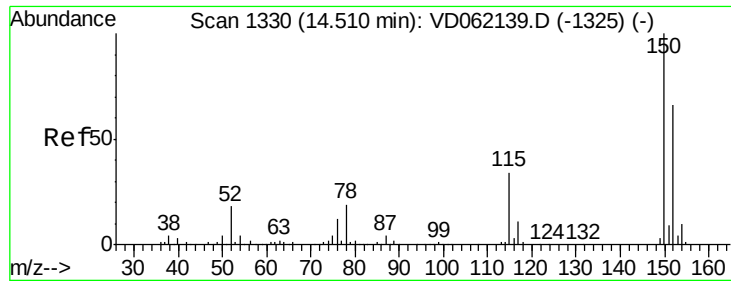


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062173.D

Acq: 8 May 2019 14:48

Instrument :

MSVOA_D

ClientSampleId :

P026-SS001-1218-01

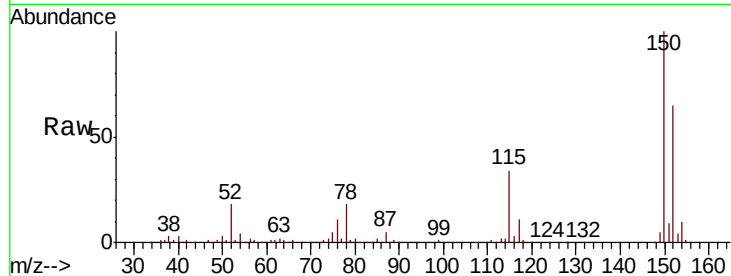
Tot Ion:152 Resp: 495562

Ion Ratio Lower Upper

152 100

115 52.5 30.9 92.7

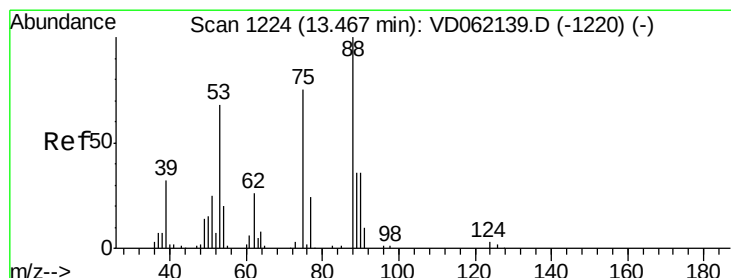
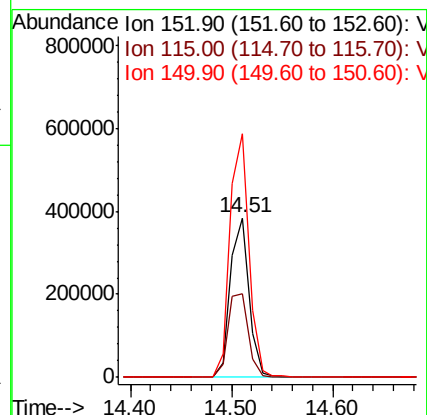
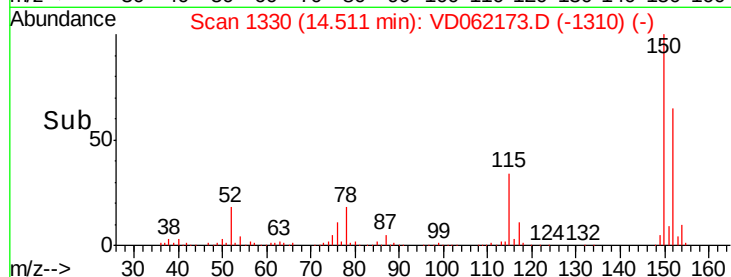
150 152.8 0.0 314.8



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: 127.422 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062173.D

Acq: 8 May 2019 14:48

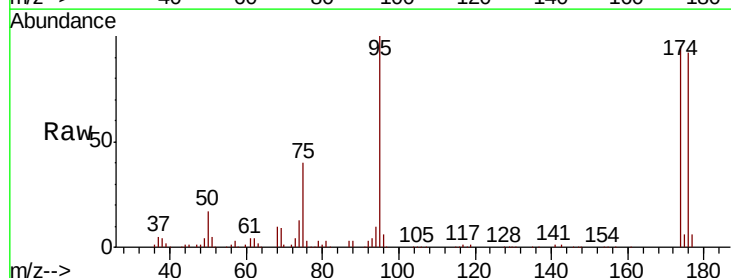
Tgt Ion: 75 Resp: 211851

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

