

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062242.D
 Acq On : 11 May 2019 17:26
 Operator : FY/SY
 Sample : K2718-13RE
 Misc : 5.46g/5mL/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0612-01

Quant Time: May 11 22:23:03 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	7.04	168	645529	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	937615	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	710293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	313485	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	327168	54.54	ug/l	0.03
Spiked Amount			Recovery	=	109.08%	
35) Dibromofluoromethane	6.92	113	418015	53.73	ug/l	0.03
Spiked Amount			Recovery	=	107.46%	
50) Toluene-d8	10.41	98	868192	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
62) 4-Bromofluorobenzene	13.56	95	319055	42.36	ug/l	0.00
Spiked Amount			Recovery	=	84.72%	

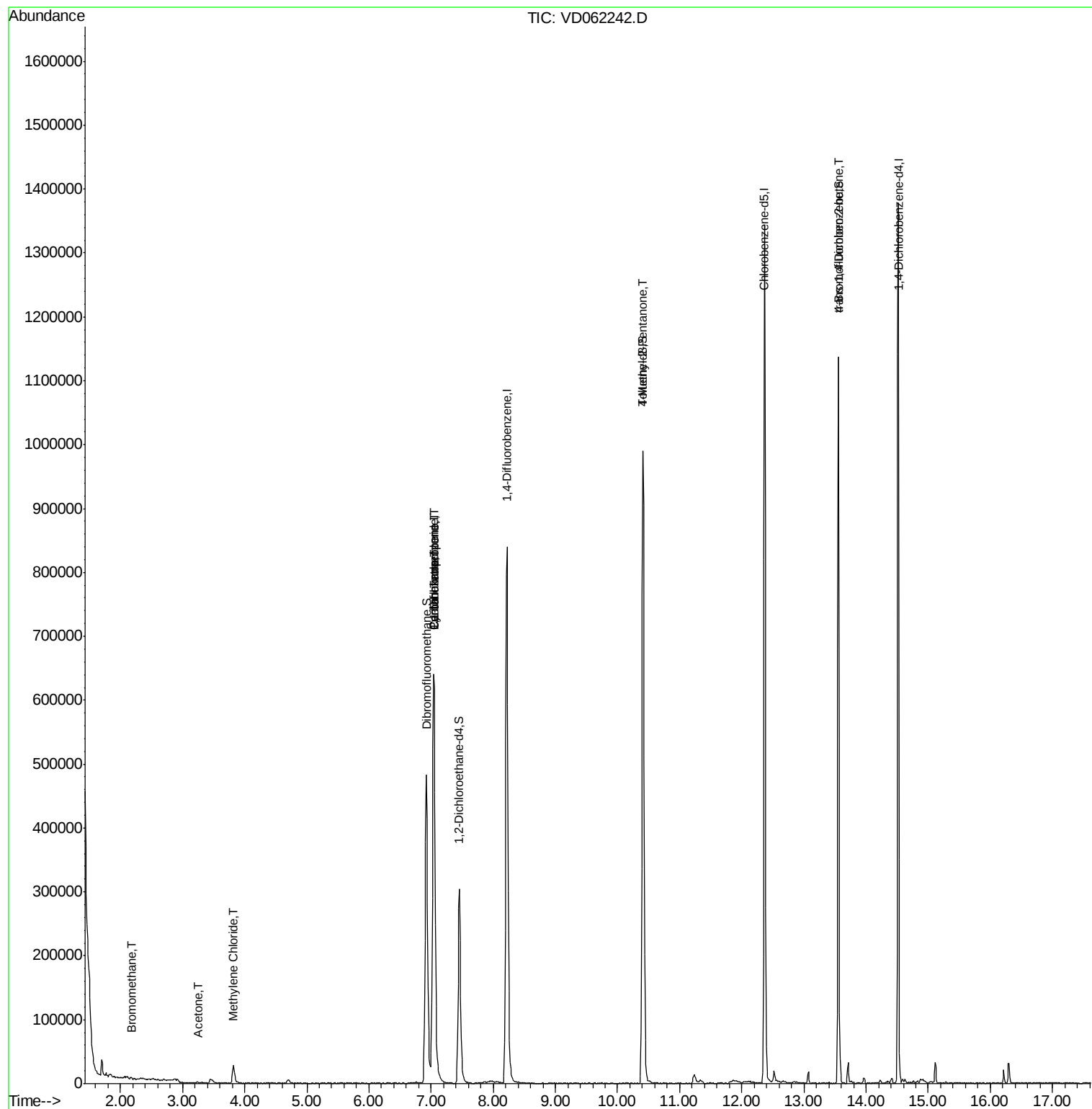
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1901	1.850	ug/l #	12
16) Acetone	3.23	43	2440	1.940	ug/l #	50
18) Methyl Acetate	3.64	43	209	Below Cal	#	53
20) Methylene Chloride	3.81	84	18836	3.586	ug/l	92
31) Cyclohexane	7.04	56	13967	2.219	ug/l #	16
36) 1,1-Dichloropropene	7.05	75	49545	6.445	ug/l #	51
38) Carbon Tetrachloride	7.04	117	65269	6.134	ug/l #	17
51) 4-Methyl-2-Pentanone	10.41	43	4155	1.398	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	136123	129.427	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
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: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

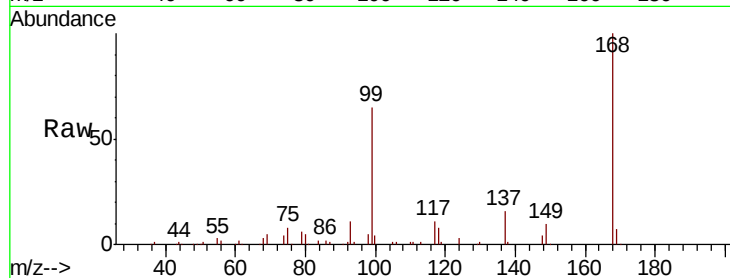
P026-SS006-0612-01

Tot Ion:168 Resp: 645529

Ion Ratio Lower Upper

168 100

99 65.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

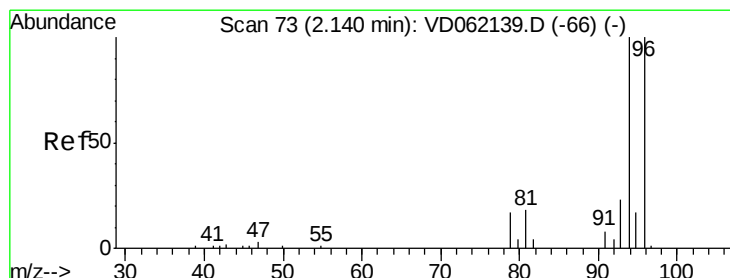
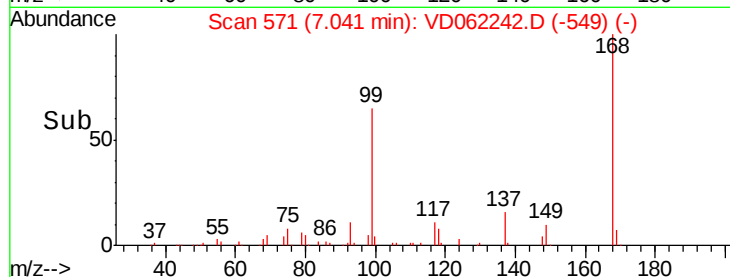
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.850 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

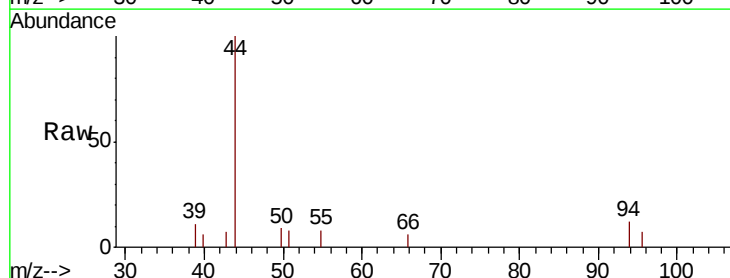
Tgt Ion: 94 Resp: 1901

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

800

600

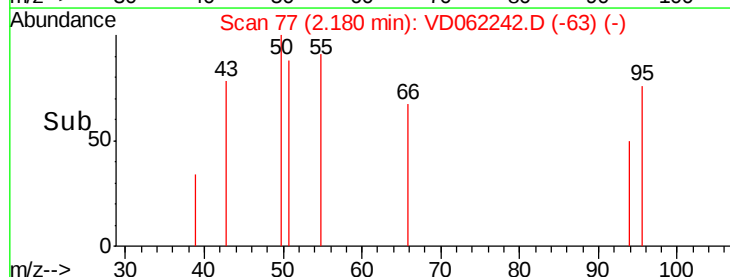
400

200

0

Time-->

2.15 2.20





#16

Acetone

Concen: 1.940 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

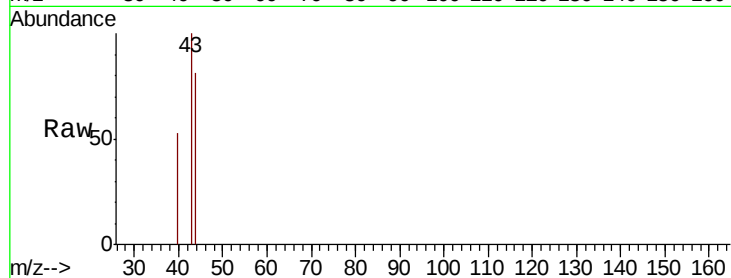
P026-SS006-0612-01

Tot Ion: 43 Resp: 2440

Ion Ratio Lower Upper

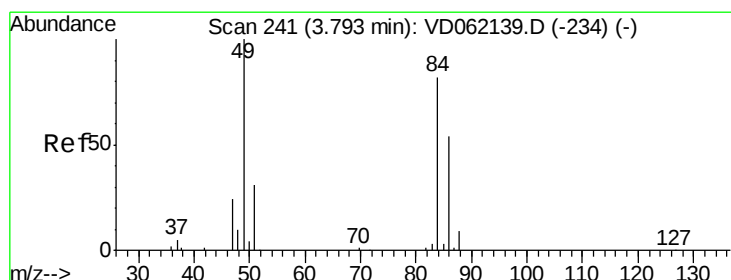
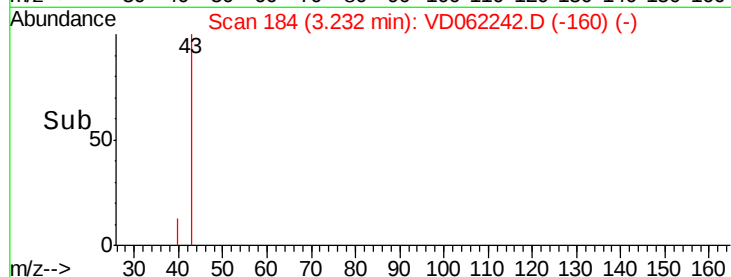
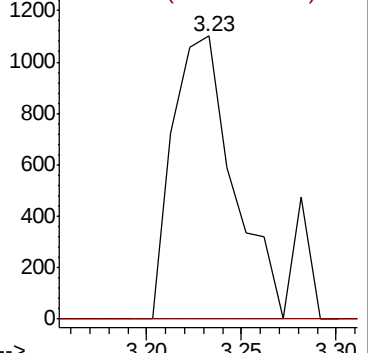
43 100

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: 3.586 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

Tgt Ion: 84 Resp: 18836

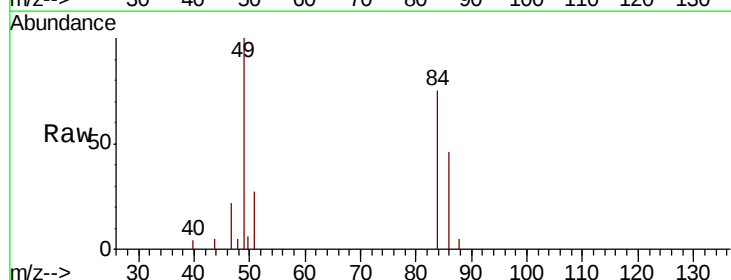
Ion Ratio Lower Upper

84 100

49 132.7 94.0 141.0

51 35.5 29.0 43.4

86 61.0 49.8 74.6

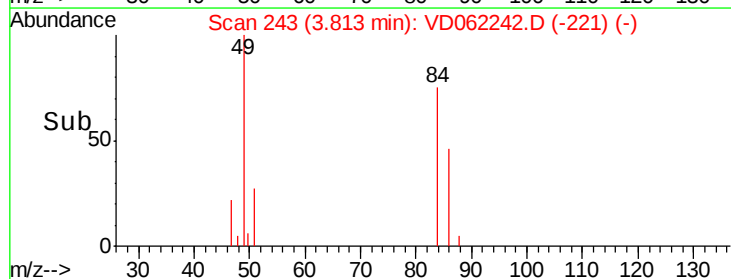
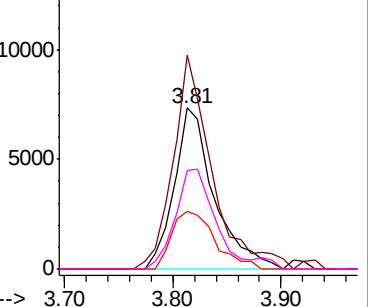


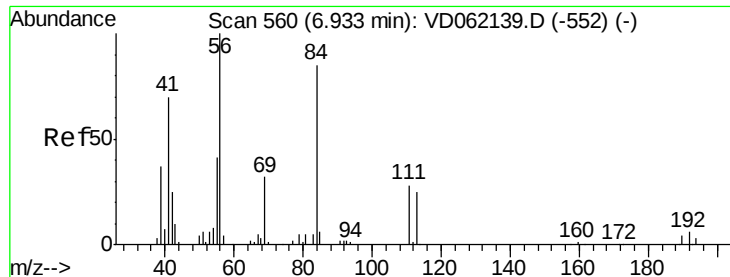
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

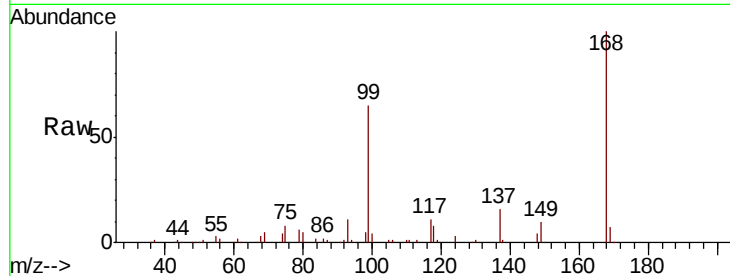




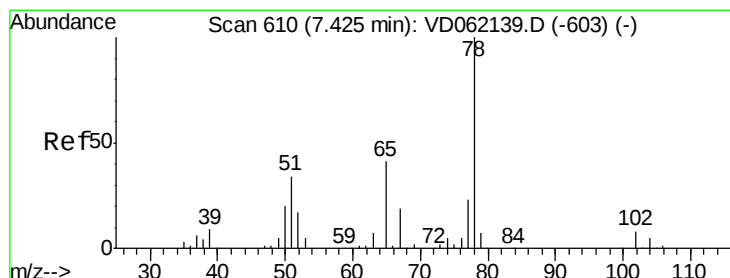
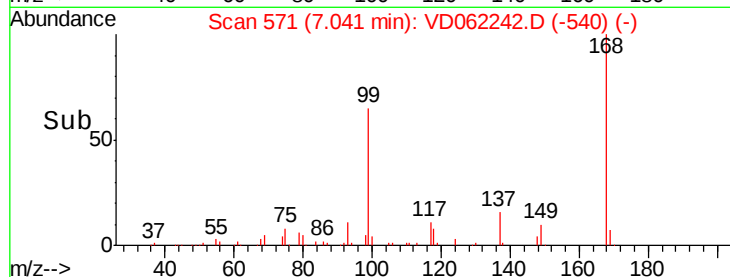
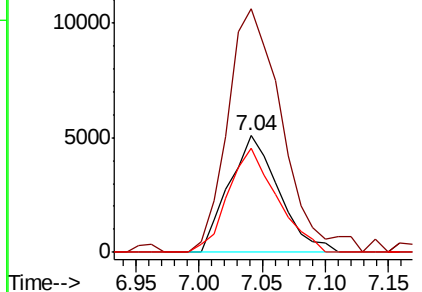
#31
Cyclohexane
Concen: 2.219 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062242.D
Acq: 11 May 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0612-01

Tot Ion: 56 Resp: 13967
Ion Ratio Lower Upper
56 100
69 209.1 25.8 38.6#
84 89.0 72.2 108.4

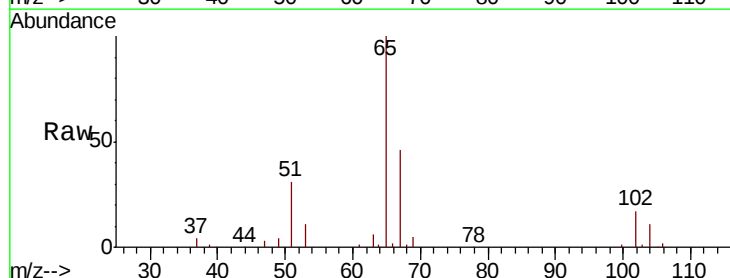


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

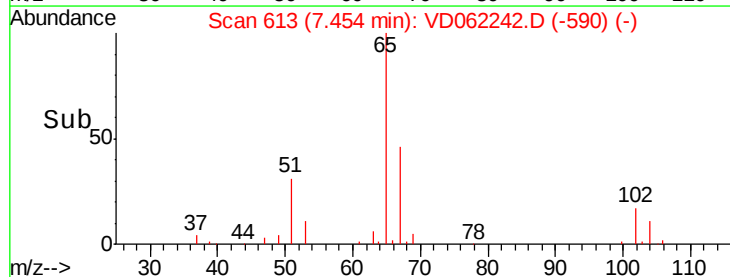
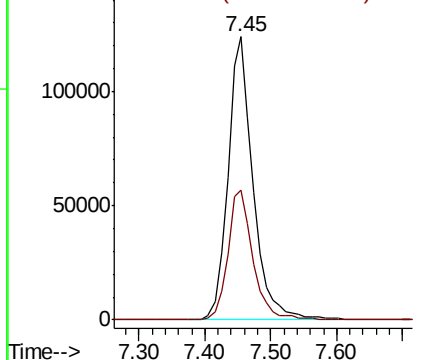


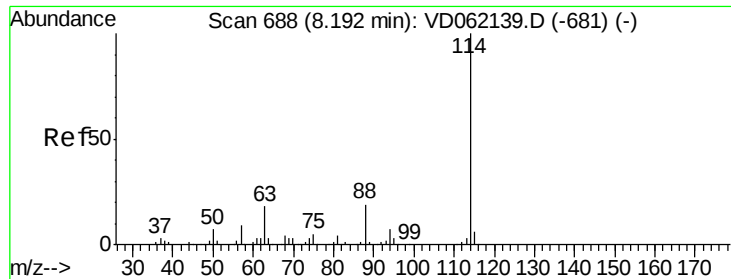
#33
1,2-Dichloroethane-d4
Concen: 54.537 ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.03 min
Lab File: VD062242.D
Acq: 11 May 2019 17:26

Tgt Ion: 65 Resp: 327168
Ion Ratio Lower Upper
65 100
67 45.7 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: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0612-01

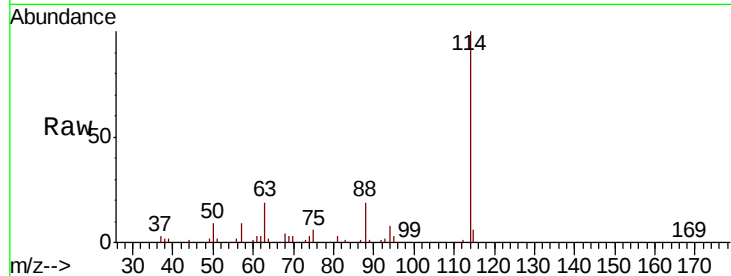
Tot Ion:114 Resp: 937615

Ion Ratio Lower Upper

114 100

63 19.0 0.0 32.4

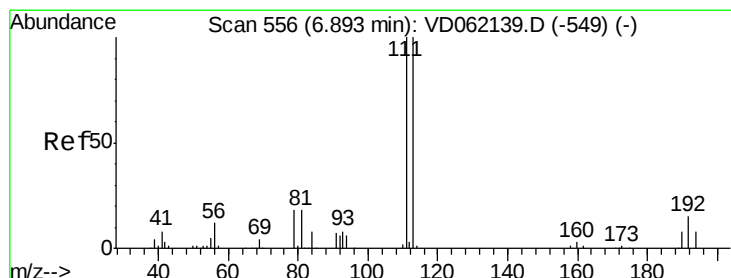
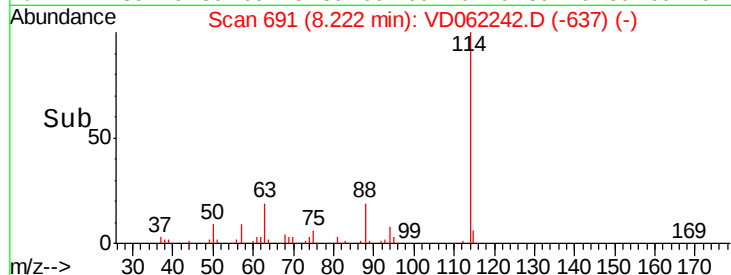
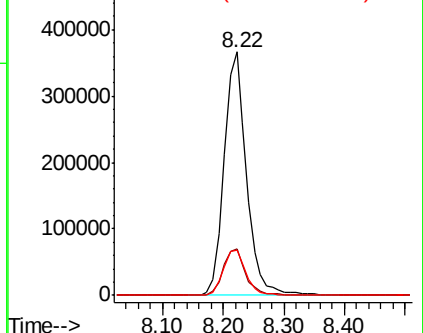
88 18.6 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 53.733 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

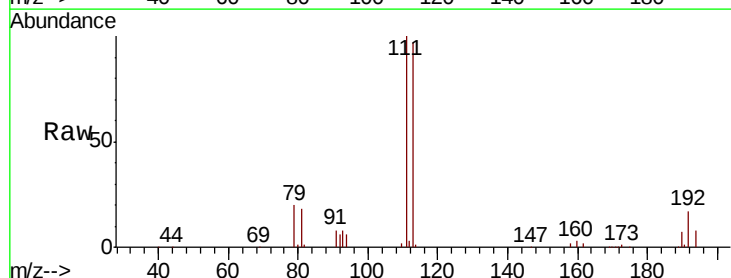
Tgt Ion:113 Resp: 418015

Ion Ratio Lower Upper

113 100

111 102.9 78.5 117.7

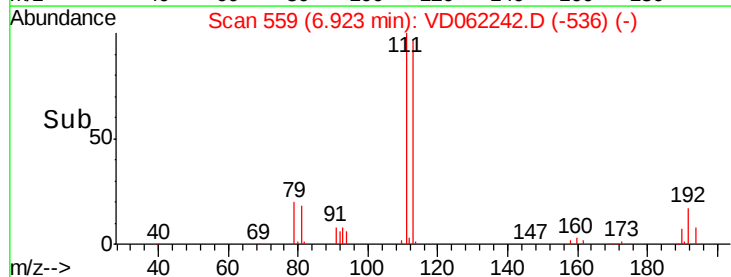
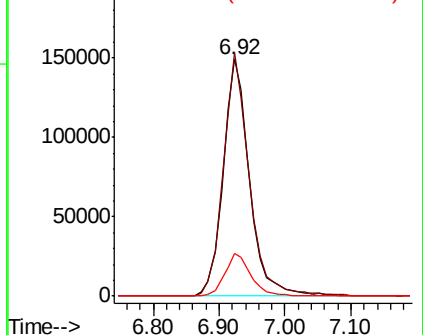
192 17.9 13.0 19.4

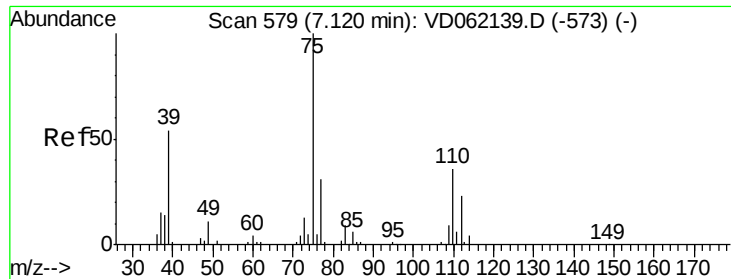


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

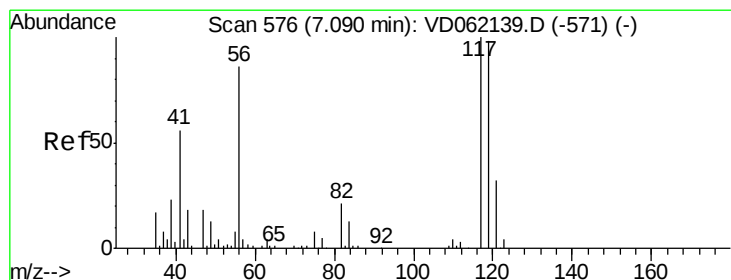
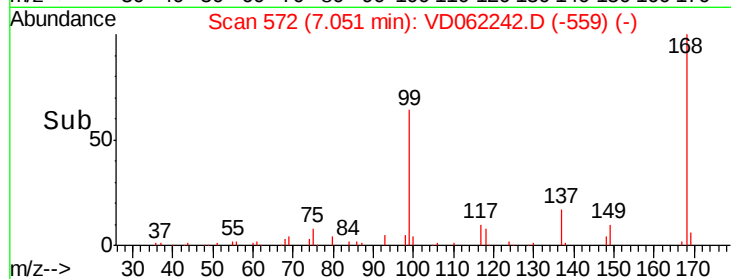
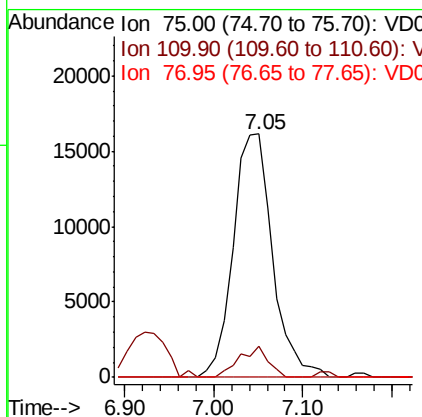
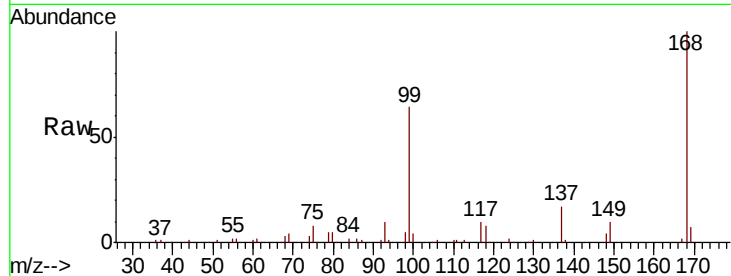




#36
 1,1-Dichloropropene
 Concen: 6.445 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD062242.D
 Acq: 11 May 2019 17:26

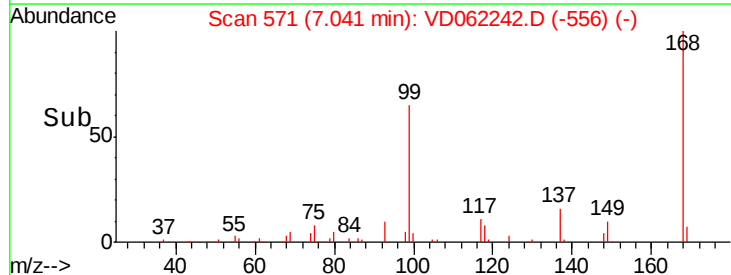
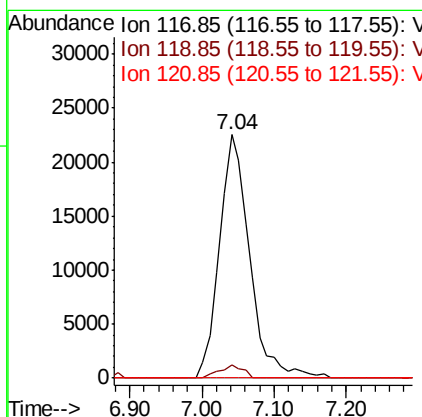
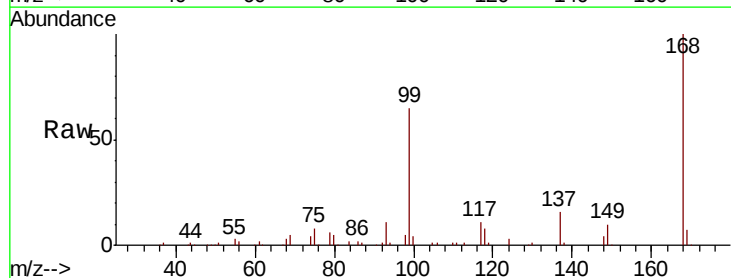
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0612-01

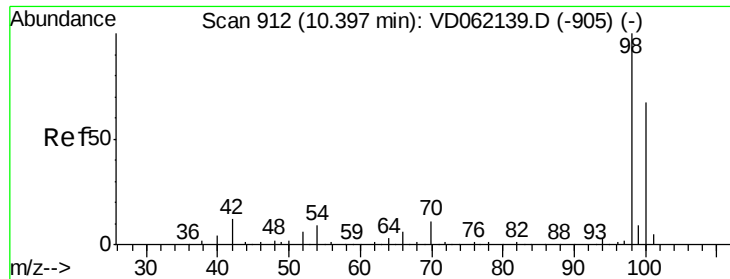
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.7	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.134 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD062242.D
 Acq: 11 May 2019 17:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.8	113.8#
121	0.0	25.9	38.9#

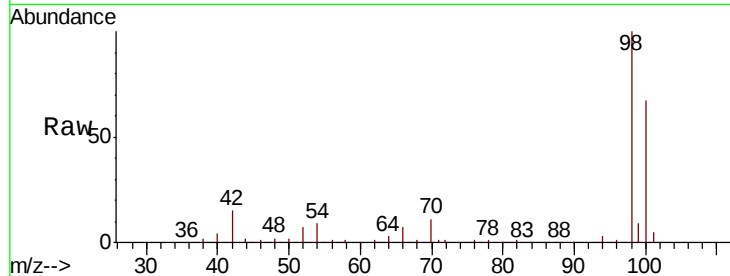




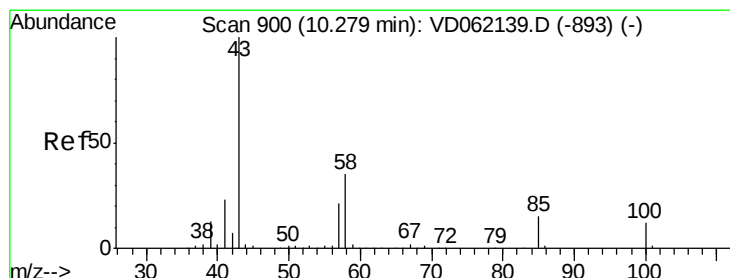
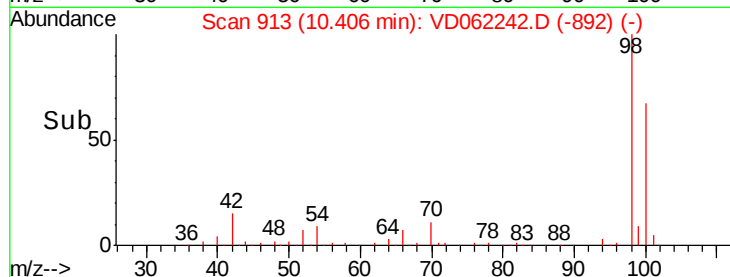
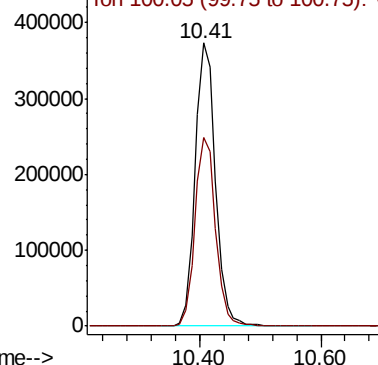
#50
Toluene-d8
Concen: 46.286 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062242.D
Acq: 11 May 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0612-01

Tot Ion: 98 Resp: 868192
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.8

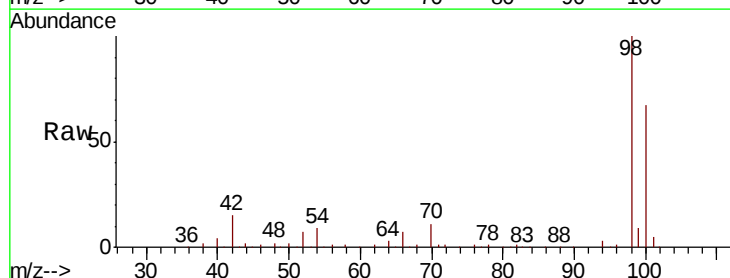


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

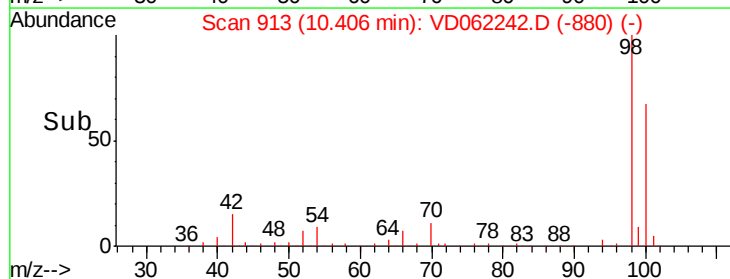
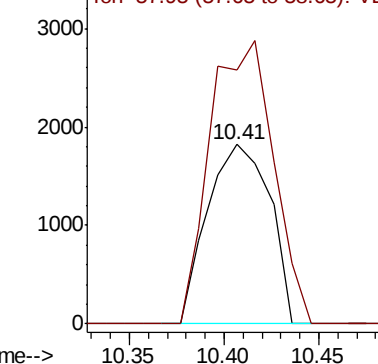


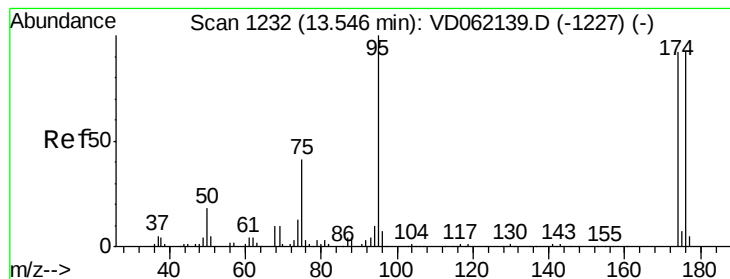
#51
4-Methyl-2-Pentanone
Concen: 1.398 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.13 min
Lab File: VD062242.D
Acq: 11 May 2019 17:26

Tgt Ion: 43 Resp: 4155
Ion Ratio Lower Upper
43 100
58 141.6 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: 42.359 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0612-01

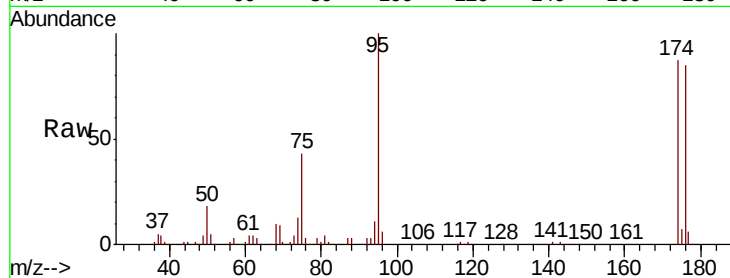
Tot Ion: 95 Resp: 319055

Ion Ratio Lower Upper

95 100

174 87.4 0.0 181.8

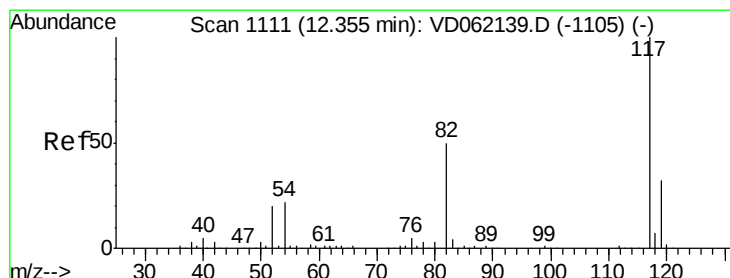
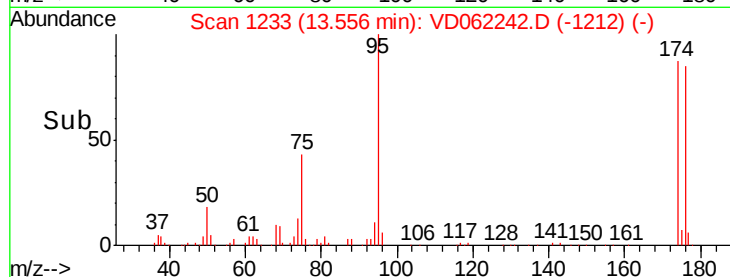
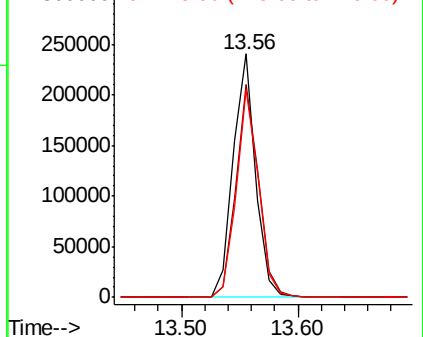
176 85.4 0.0 174.4



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# 1112

Delta R.T. 0.01 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

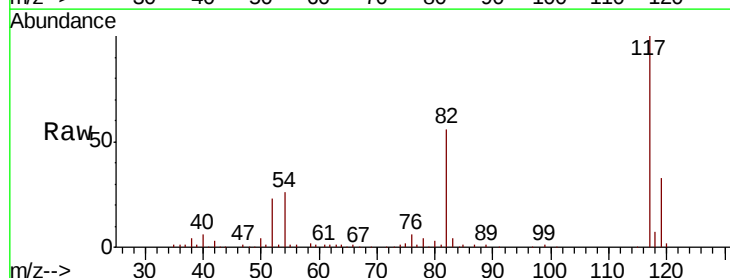
Tgt Ion: 117 Resp: 710293

Ion Ratio Lower Upper

117 100

82 56.2 36.2 54.2#

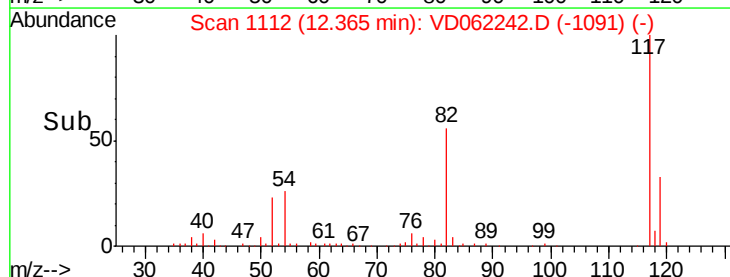
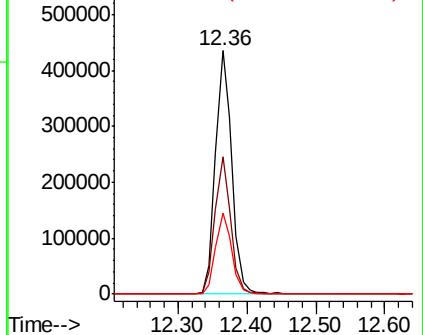
119 33.1 26.2 39.4

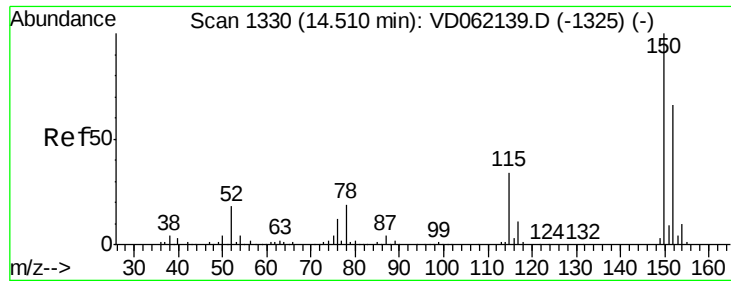


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0612-01

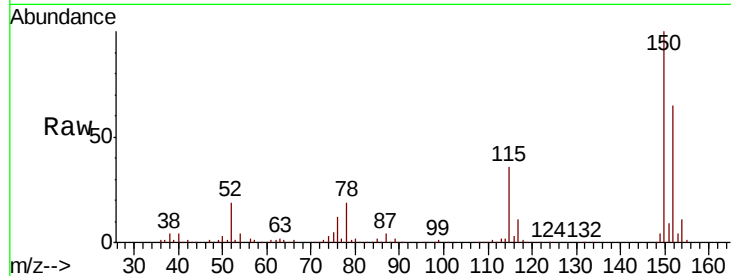
Tot Ion:152 Resp: 313485

Ion Ratio Lower Upper

152 100

115 54.7 30.9 92.7

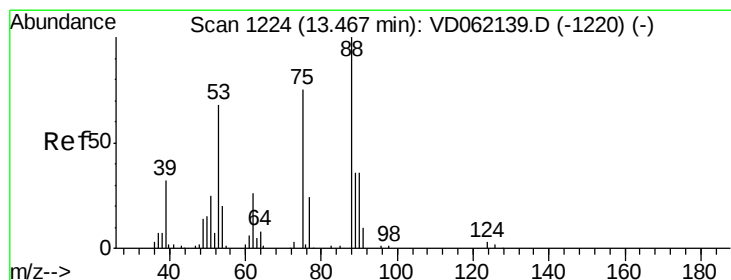
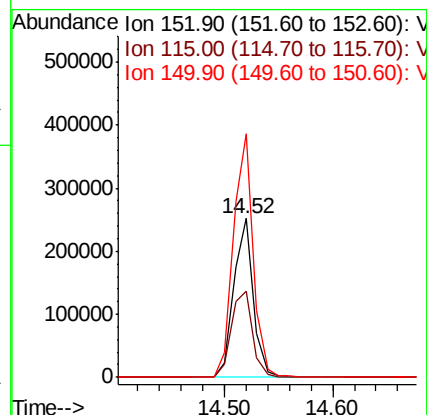
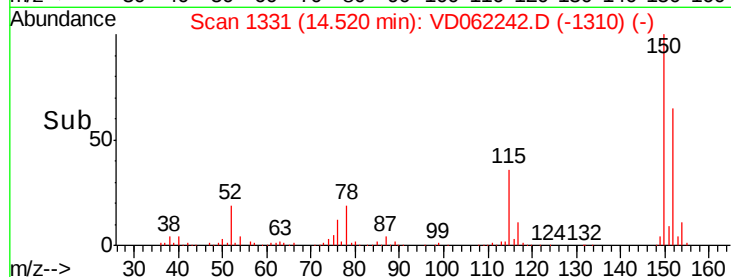
150 153.4 0.0 314.8



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: 129.427 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062242.D

Acq: 11 May 2019 17:26

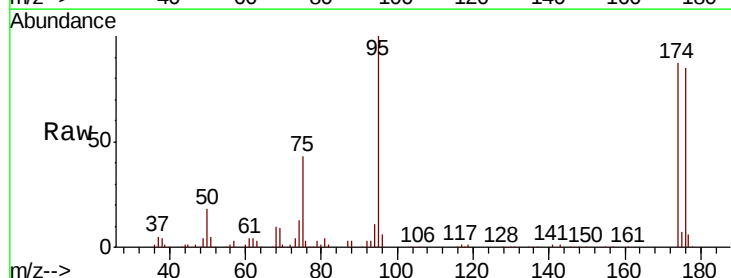
Tgt Ion: 75 Resp: 136123

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

