

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062281.D
 Acq On : 13 May 2019 2:50
 Operator : FY/SY
 Sample : K2719-10RE
 Misc : 3.81g/5mL/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-0612-01

Quant Time: May 13 03:17:57 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	7.06	168	618464	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	847832	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	627350	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	252215	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	257061	44.73	ug/l	0.04
Spiked Amount			Recovery	=	89.46%	
35) Dibromofluoromethane	6.95	113	316324	44.97	ug/l	0.05
Spiked Amount			Recovery	=	89.94%	
50) Toluene-d8	10.42	98	620957	36.61	ug/l	0.02
Spiked Amount			Recovery	=	73.22%	
62) 4-Bromofluorobenzene	13.56	95	212103	31.14	ug/l	0.01
Spiked Amount			Recovery	=	62.28%	

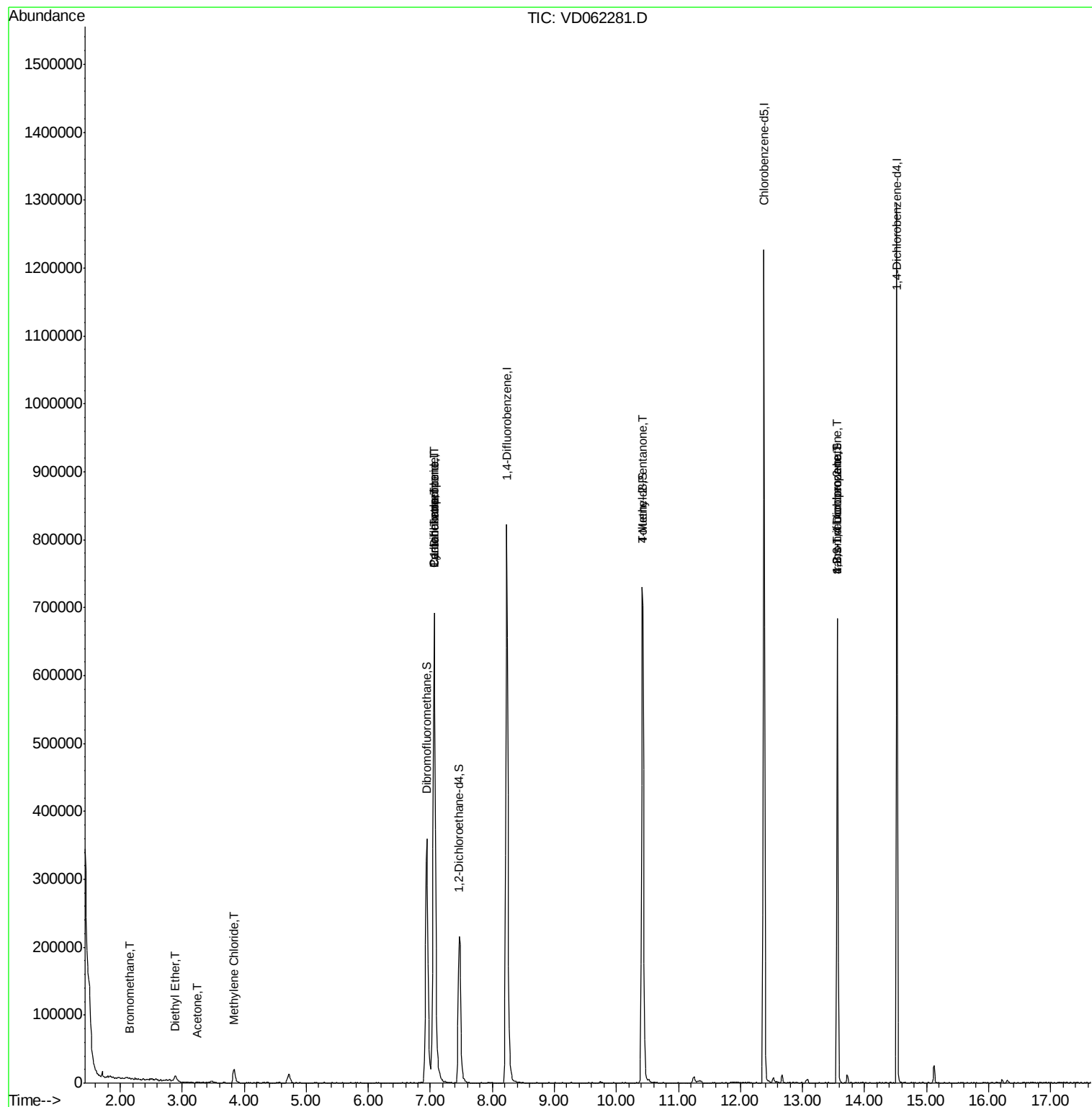
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1666	1.693	ug/l #	12
8) Diethyl Ether	2.88	74	2803	1.780	ug/l	91
16) Acetone	3.24	43	1490	1.236	ug/l #	50
18) Methyl Acetate	3.66	43	196	Below Cal	#	53
20) Methylene Chloride	3.85	84	14254	2.832	ug/l #	71
31) Cyclohexane	7.06	56	13080	2.169	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	50038	7.198	ug/l #	48
38) Carbon Tetrachloride	7.06	117	65907	6.850	ug/l #	16
51) 4-Methyl-2-Pentanone	10.43	43	3491	1.299	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	94412	31.498	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	95258	112.575	ug/l #	16

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

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Misc : 3.81g/5mL/MSVOA D/SOIL
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Quant Time: May 13 03:17:57 2019
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: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062281.D

Acq: 13 May 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

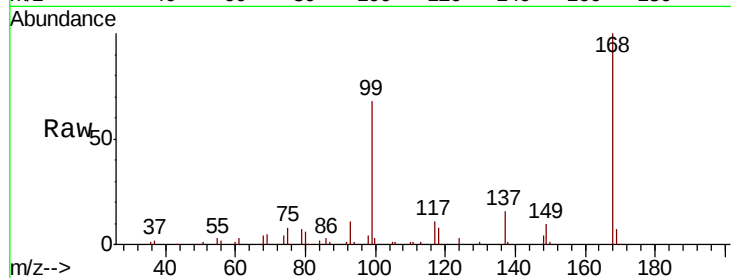
P026-SS009-0612-01

Tot Ion:168 Resp: 618464

Ion Ratio Lower Upper

168 100

99 68.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

250000

200000

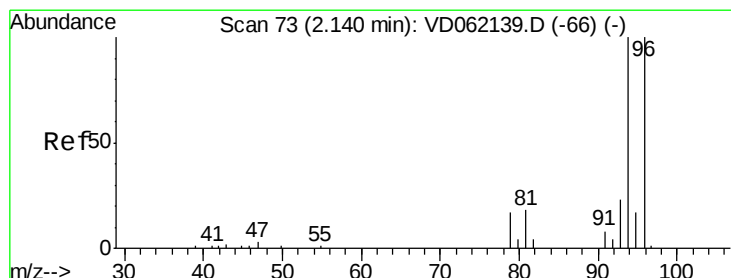
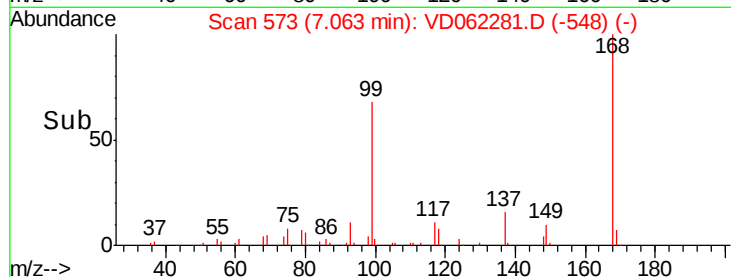
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.693 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062281.D

Acq: 13 May 2019 2:50

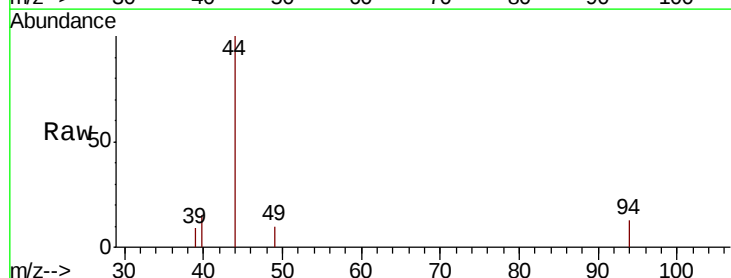
Tgt Ion: 94 Resp: 1666

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): V

Ion 96.00 (95.70 to 96.70): V

Ion 93.00 (92.70 to 93.70): V

800

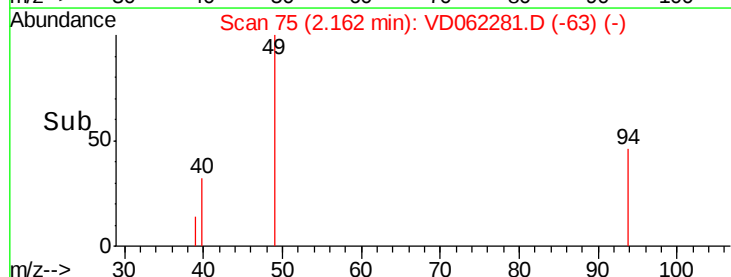
600

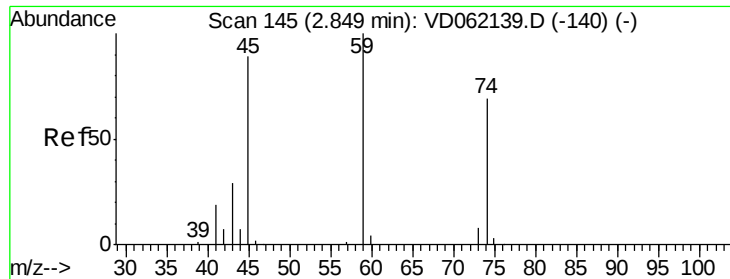
400

200

0

Time--> 2.10 2.15





#8

Diethyl Ether

Concen: 1.780 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.03 min

Lab File: VD062281.D

Acq: 13 May 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

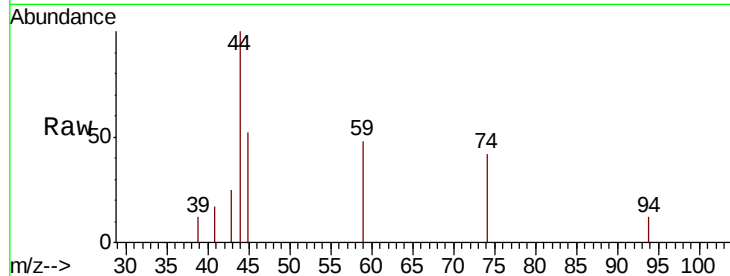
P026-SS009-0612-01

Tot Ion: 74 Resp: 2803

Ion Ratio Lower Upper

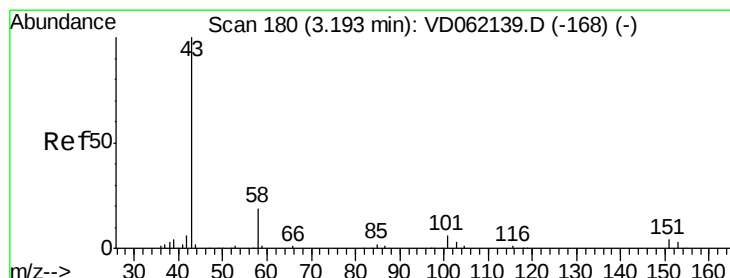
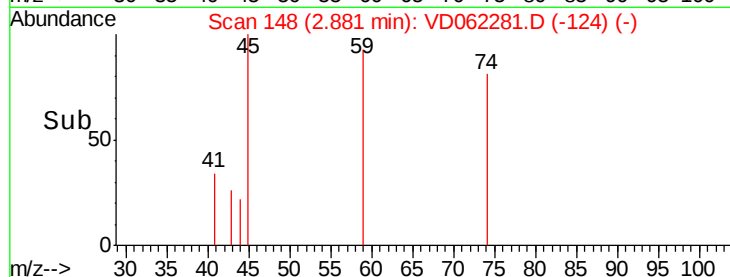
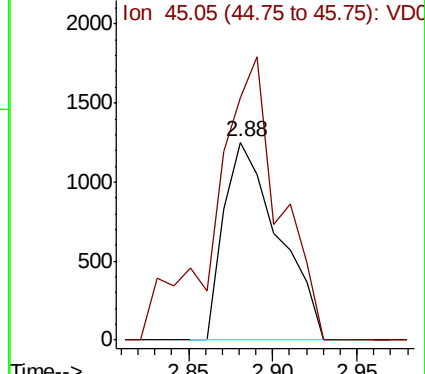
74 100

45 123.0 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: 1.236 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062281.D

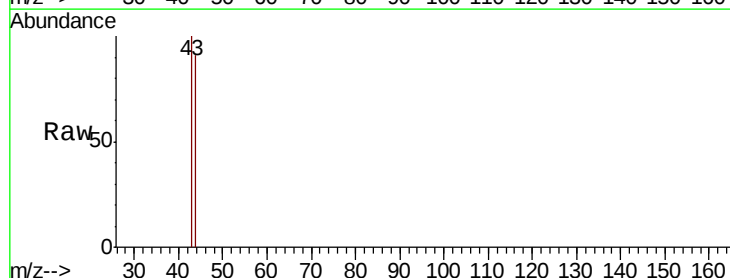
Acq: 13 May 2019 2:50

Tgt Ion: 43 Resp: 1490

Ion Ratio Lower Upper

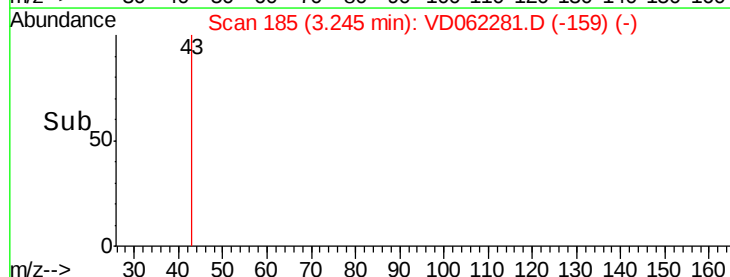
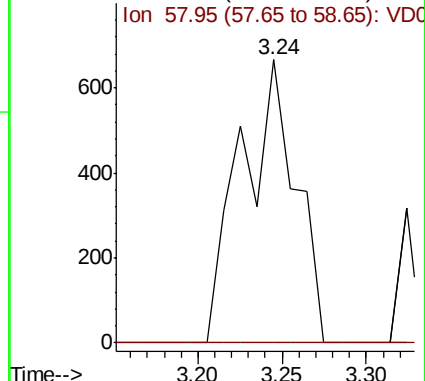
43 100

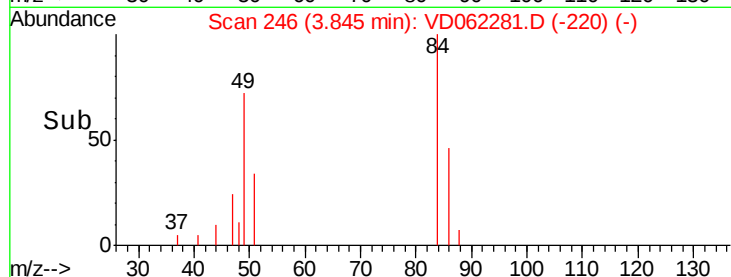
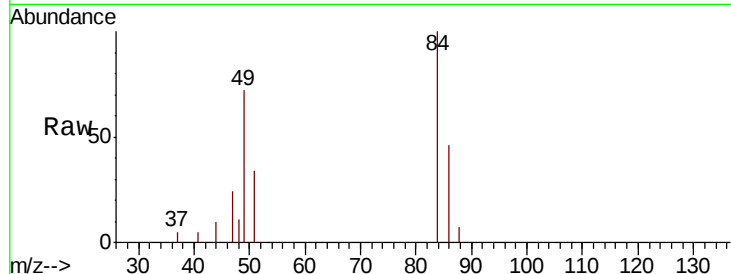
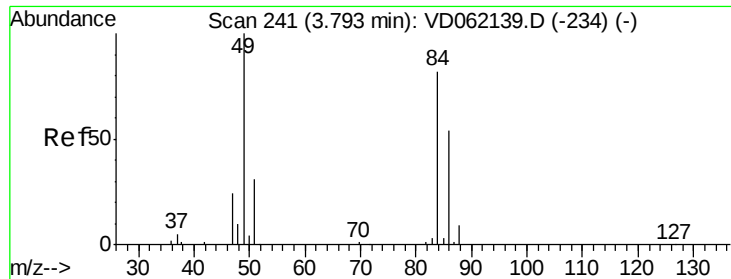
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

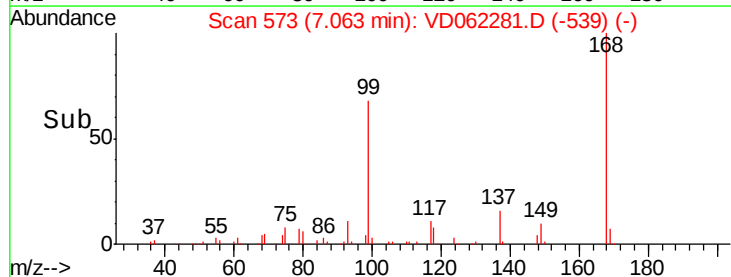
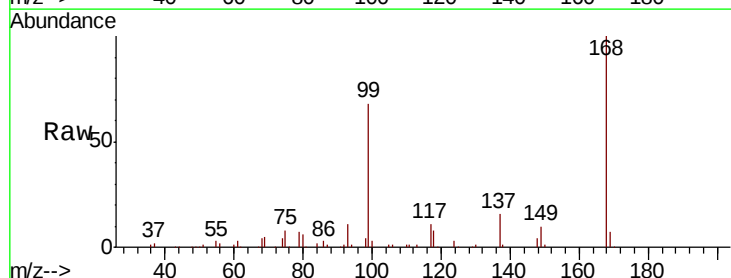
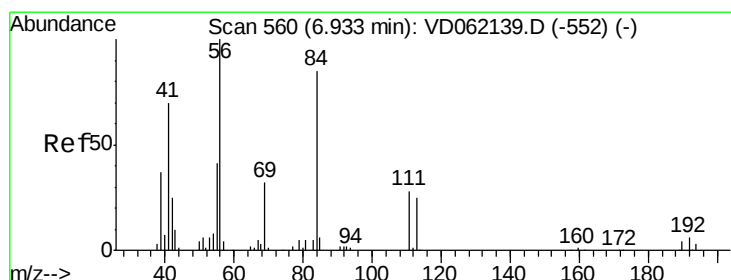
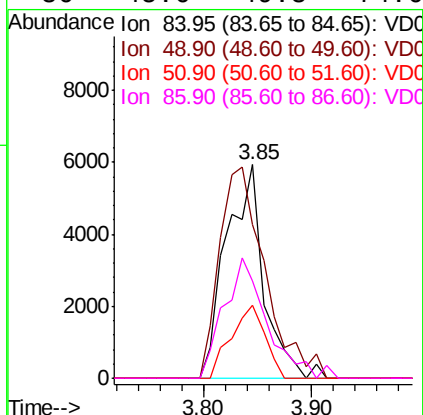




#20
Methvlene Chloride
Concen: 2.832 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.05 min
Lab File: VD062281.D
Acq: 13 May 2019 2:50

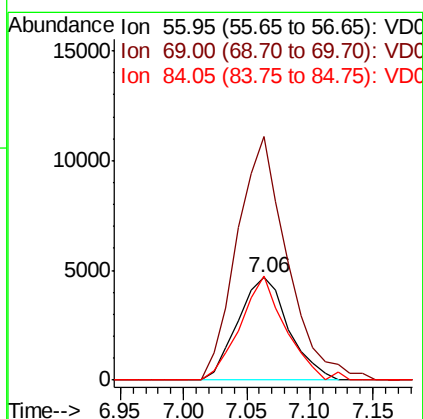
Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-0612-01

Tot Ion: 84 Resp: 14254
Ion Ratio Lower Upper
84 100
49 72.1 94.0 141.0#
51 34.2 29.0 43.4
86 45.6 49.8 74.6#



#31
Cyclohexane
Concen: 2.169 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062281.D
Acq: 13 May 2019 2:50

Tgt Ion: 56 Resp: 13080
Ion Ratio Lower Upper
56 100
69 238.2 25.8 38.6#
84 102.2 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 44.726 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062281.D

Acq: 13 May 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

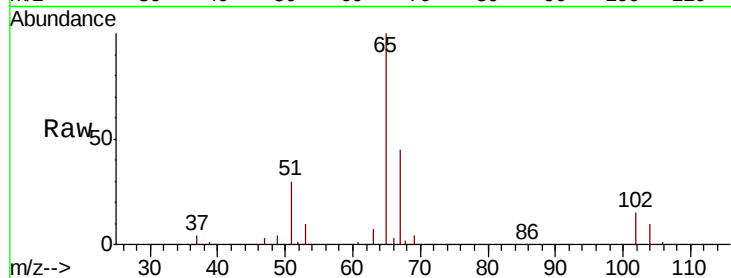
P026-SS009-0612-01

Tot Ion: 65 Resp: 257061

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

7.47

100000

80000

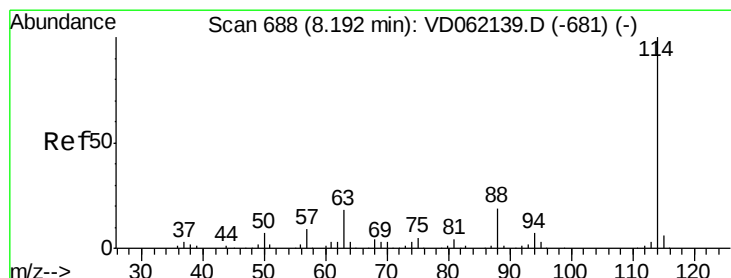
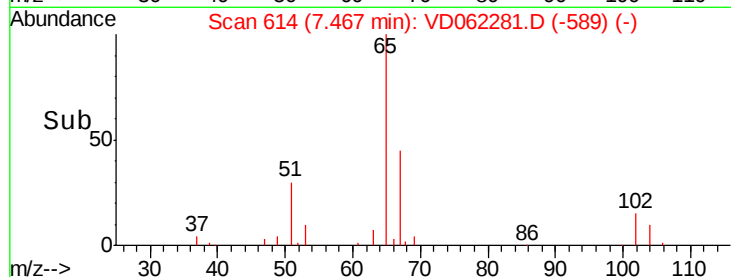
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062281.D

Acq: 13 May 2019 2:50

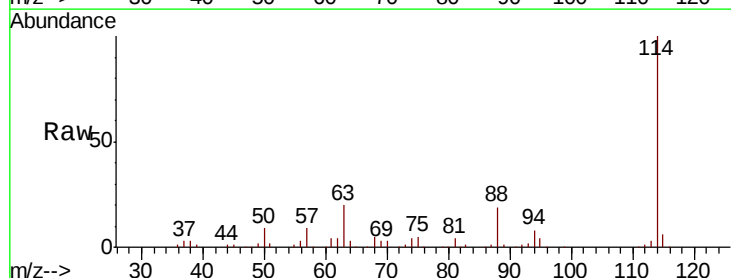
Tgt Ion: 114 Resp: 847832

Ion Ratio Lower Upper

114 100

63 20.1 0.0 32.4

88 19.1 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

8.23

400000

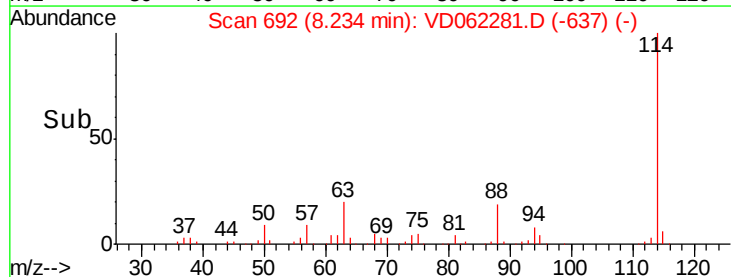
300000

200000

100000

0

Time--> 8.00 8.20 8.40 8.60

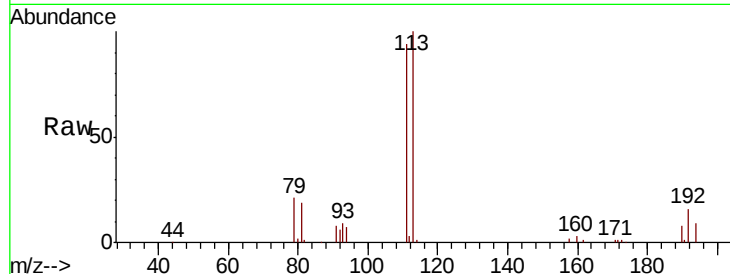




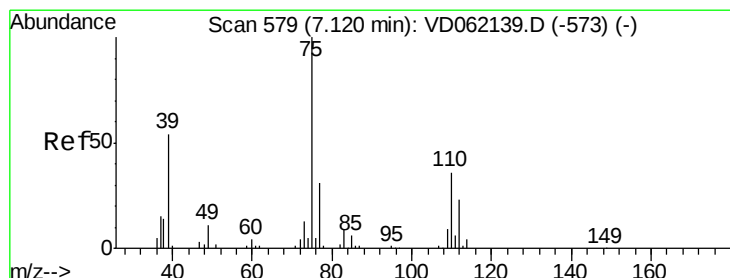
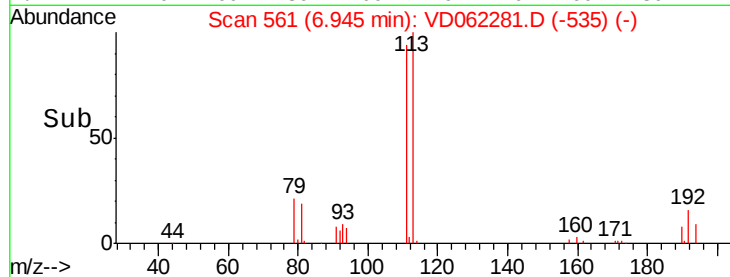
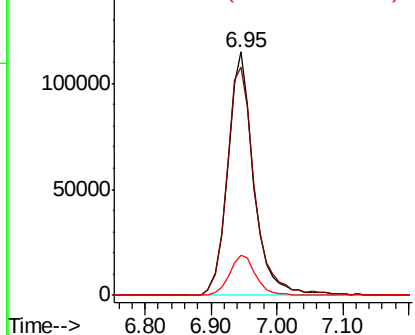
#35
 Dibromofluoromethane
 Concen: 44.967 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062281.D
 Acq: 13 May 2019 2:50

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-0612-01

Tot Ion	Ratio	Lower	Upper
113	100		
111	93.6	78.5	117.7
192	16.2	13.0	19.4

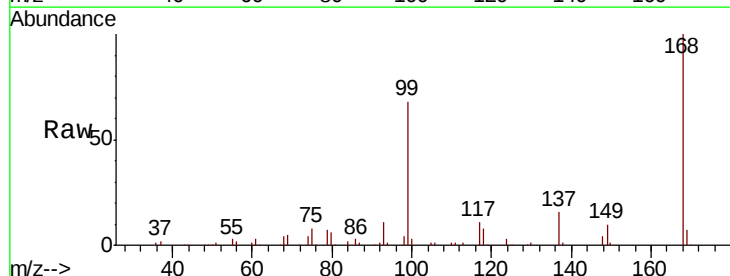


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

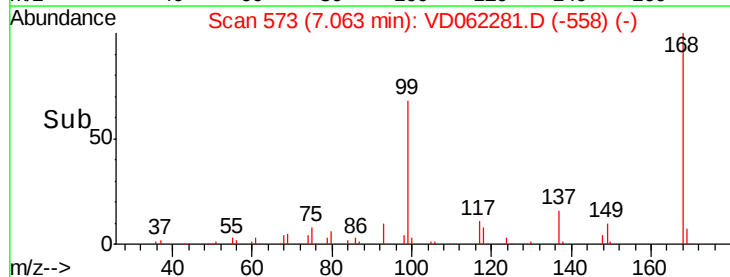
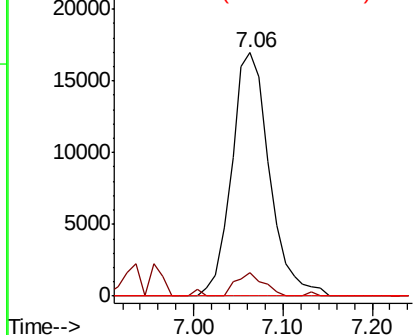


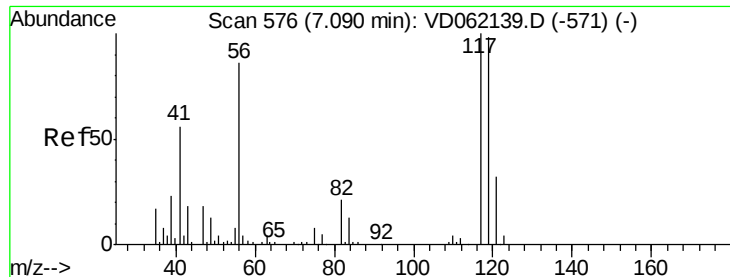
#36
 1,1-Dichloropropene
 Concen: 7.198 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.06 min
 Lab File: VD062281.D
 Acq: 13 May 2019 2:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	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: 6.850 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062281.D

Acq: 13 May 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

P026-SS009-0612-01

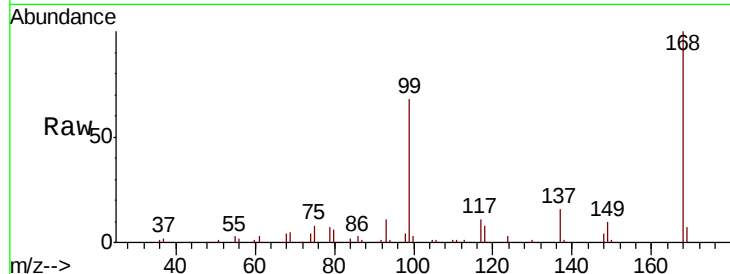
Tot Ion:117 Resp: 65907

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

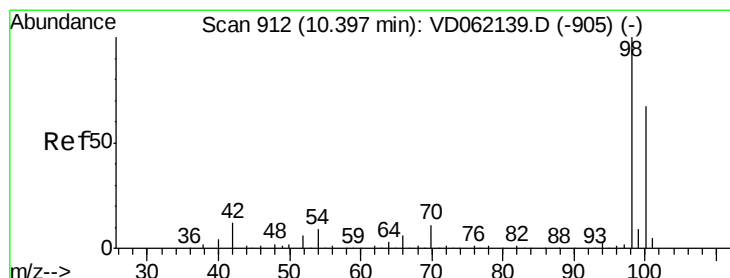
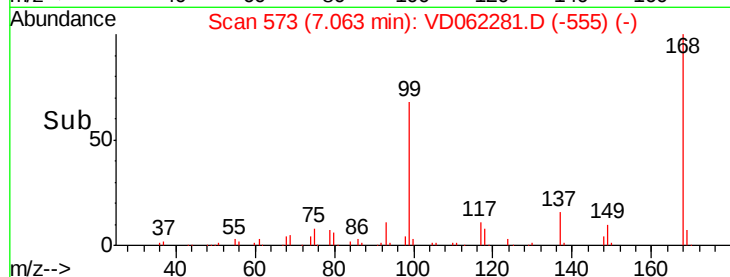
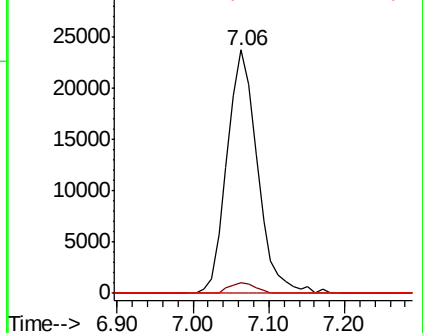
121 0.0 25.9 38.9#



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: 36.611 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062281.D

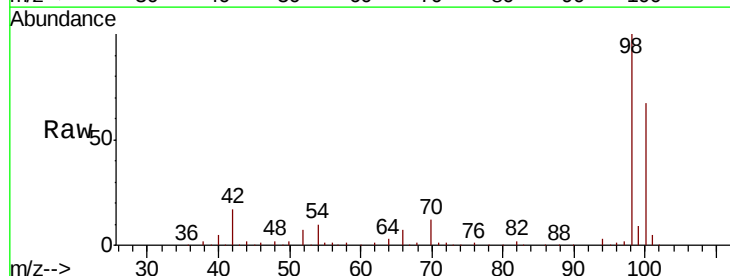
Acq: 13 May 2019 2:50

Tgt Ion: 98 Resp: 620957

Ion Ratio Lower Upper

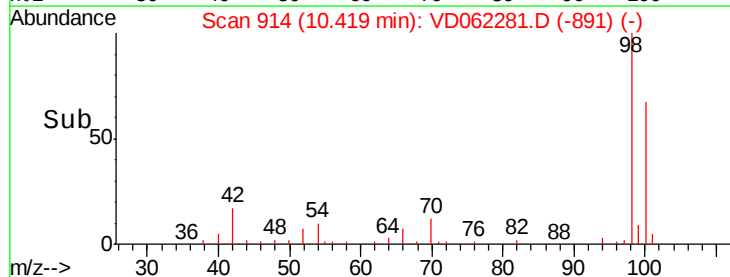
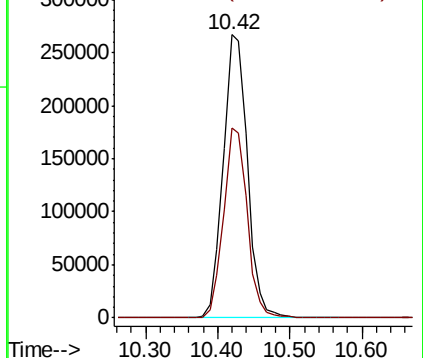
98 100

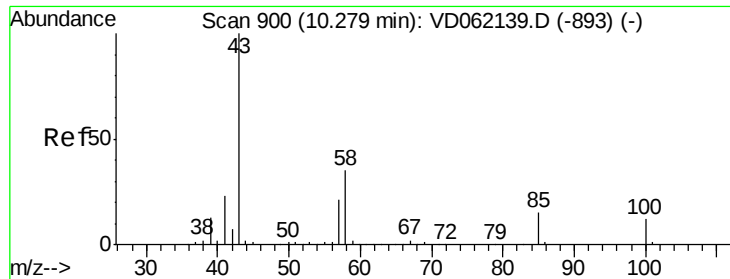
100 67.2 53.8 80.8



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: 1.299 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.15 min

Lab File: VD062281.D

Acq: 13 May 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

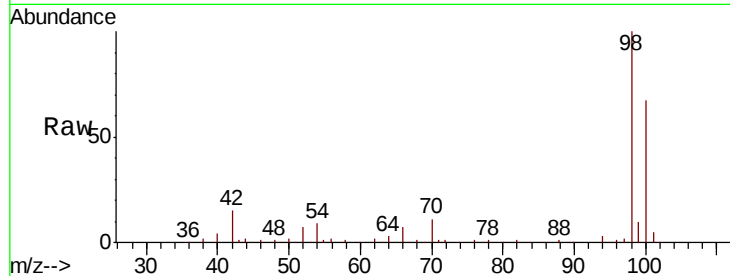
P026-SS009-0612-01

Tot Ion: 43 Resp: 3491

Ion Ratio Lower Upper

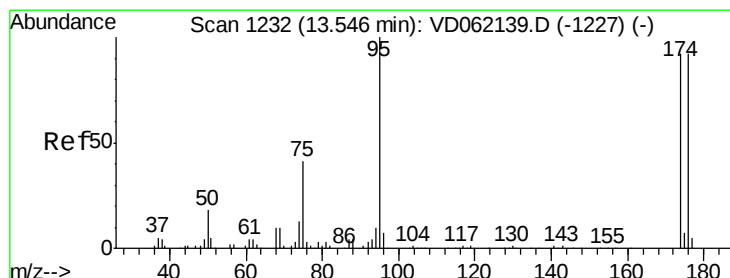
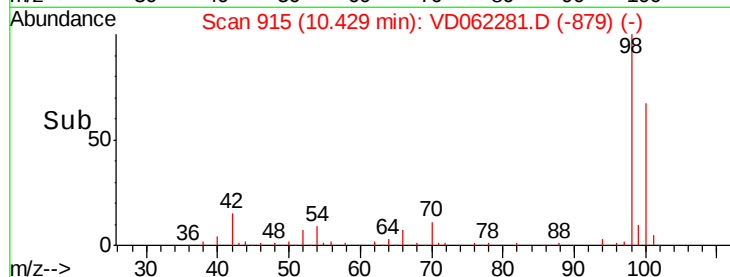
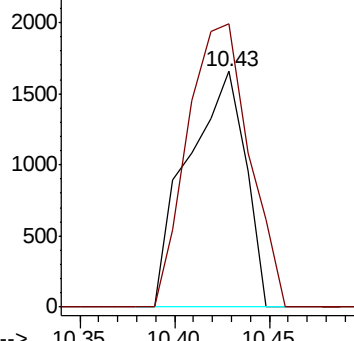
43 100

58 120.2 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: 31.142 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062281.D

Acq: 13 May 2019 2:50

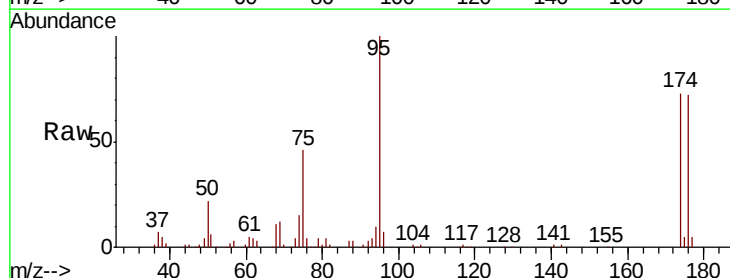
Tgt Ion: 95 Resp: 212103

Ion Ratio Lower Upper

95 100

174 72.9 0.0 181.8

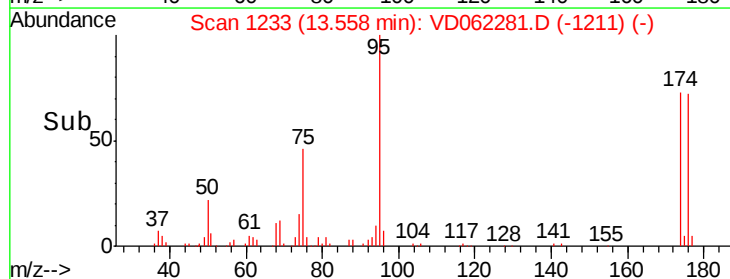
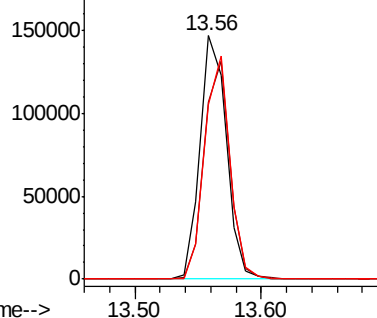
176 71.7 0.0 174.4

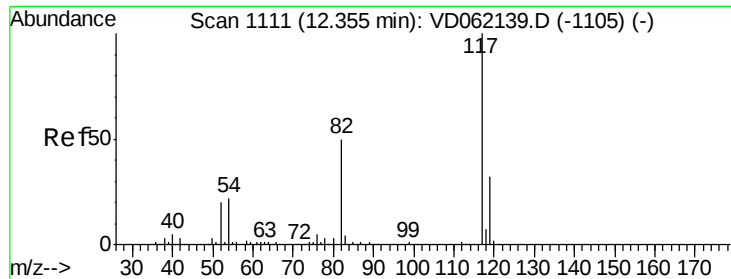


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

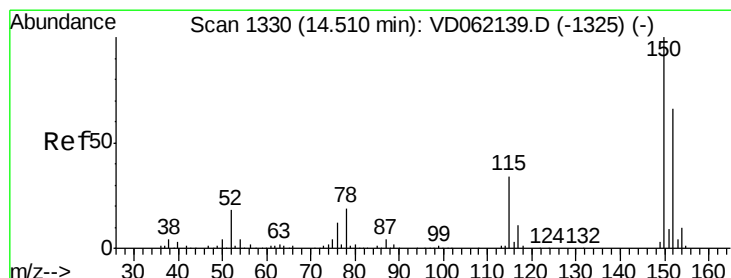
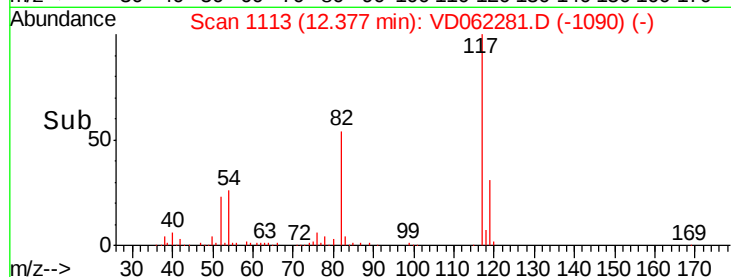
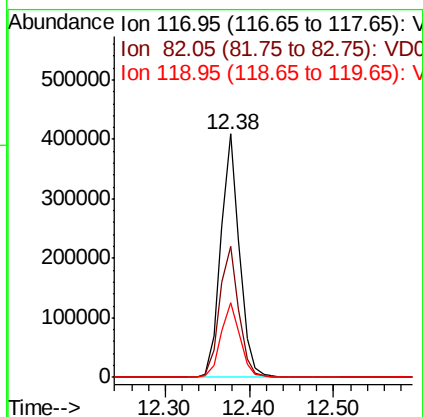
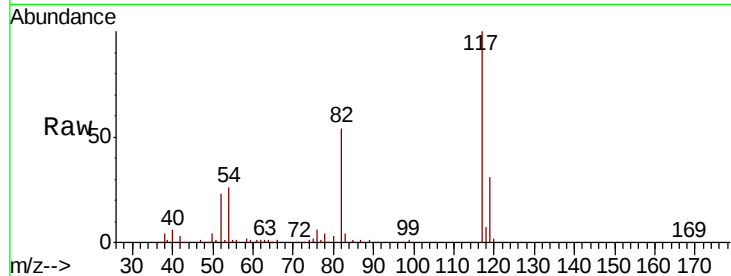




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062281.D
Acq: 13 May 2019 2:50

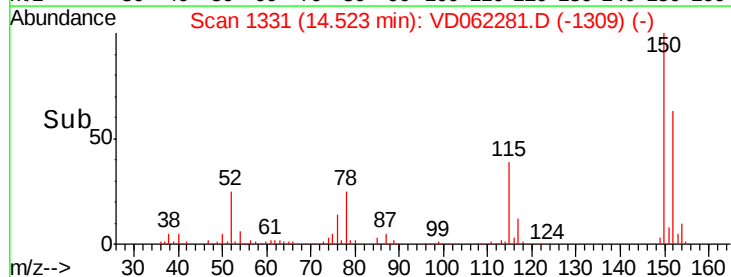
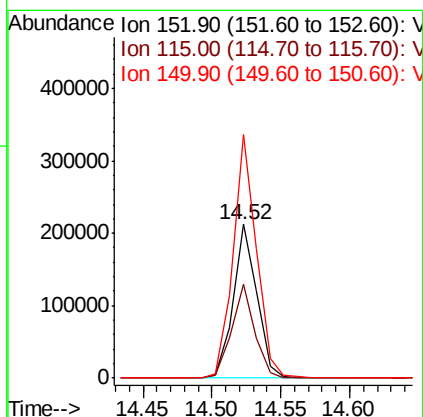
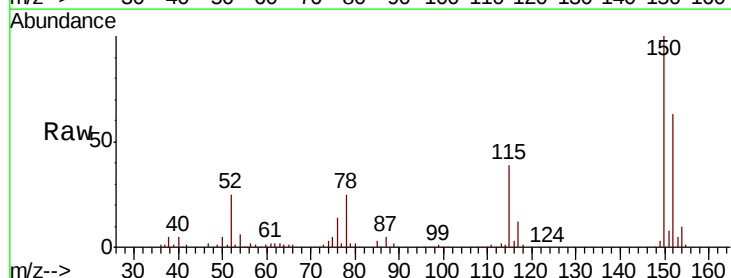
Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-0612-01

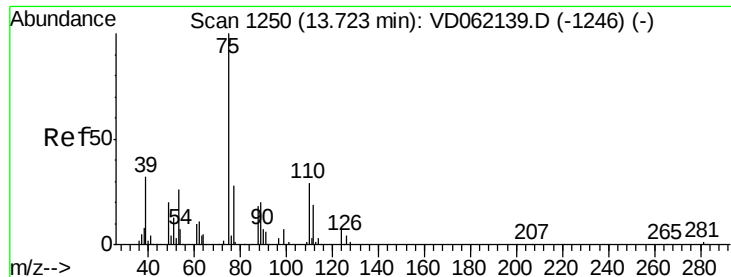
Tot Ion:117 Resp: 627350
Ion Ratio Lower Upper
117 100
82 54.0 36.2 54.2
119 30.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062281.D
Acq: 13 May 2019 2:50

Tgt Ion:152 Resp: 252215
Ion Ratio Lower Upper
152 100
115 61.3 30.9 92.7
150 158.1 0.0 314.8

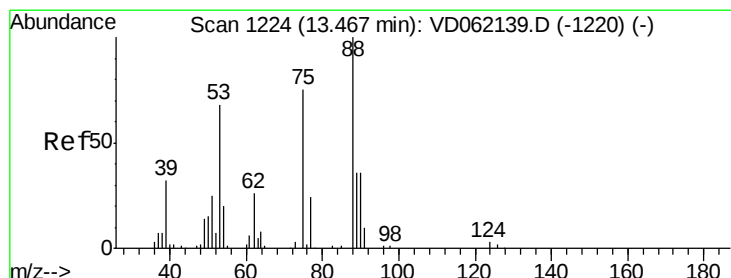
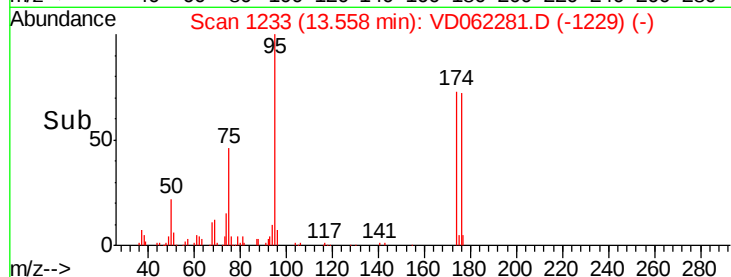
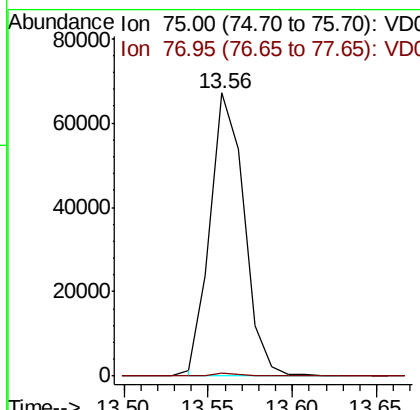
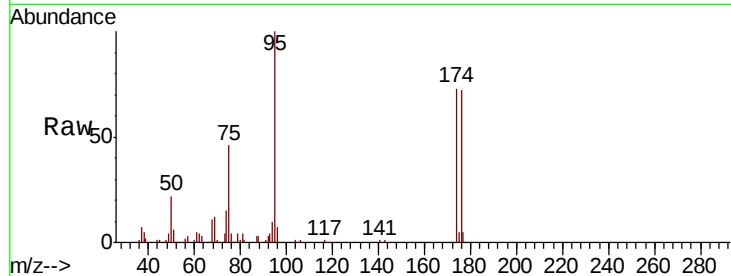




#76
 1,2,3-Trichloropropane
 Concen: 31.498 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD062281.D
 Acq: 13 May 2019 2:50

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-0612-01

Tot Ion: 75 Resp: 94412
 Ion Ratio Lower Upper
 75 100
 77 0.9 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.575 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD062281.D
 Acq: 13 May 2019 2:50

Tgt Ion: 75 Resp: 95258
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

