

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062282.D
 Acq On : 13 May 2019 3:18
 Operator : FY/SY
 Sample : K2719-11
 Misc : 6.65g/5mL/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-1218-01

Quant Time: May 13 03:56:59 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	7.07	168	642752	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	844683	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	631989	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	251401	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	262352	43.92	ug/l	0.04
Spiked Amount			Recovery	=	87.84%	
35) Dibromofluoromethane	6.94	113	308742	44.05	ug/l	0.04
Spiked Amount			Recovery	=	88.10%	
50) Toluene-d8	10.42	98	649426	38.43	ug/l	0.03
Spiked Amount			Recovery	=	76.86%	
62) 4-Bromofluorobenzene	13.56	95	230498	33.97	ug/l	0.02
Spiked Amount			Recovery	=	67.94%	

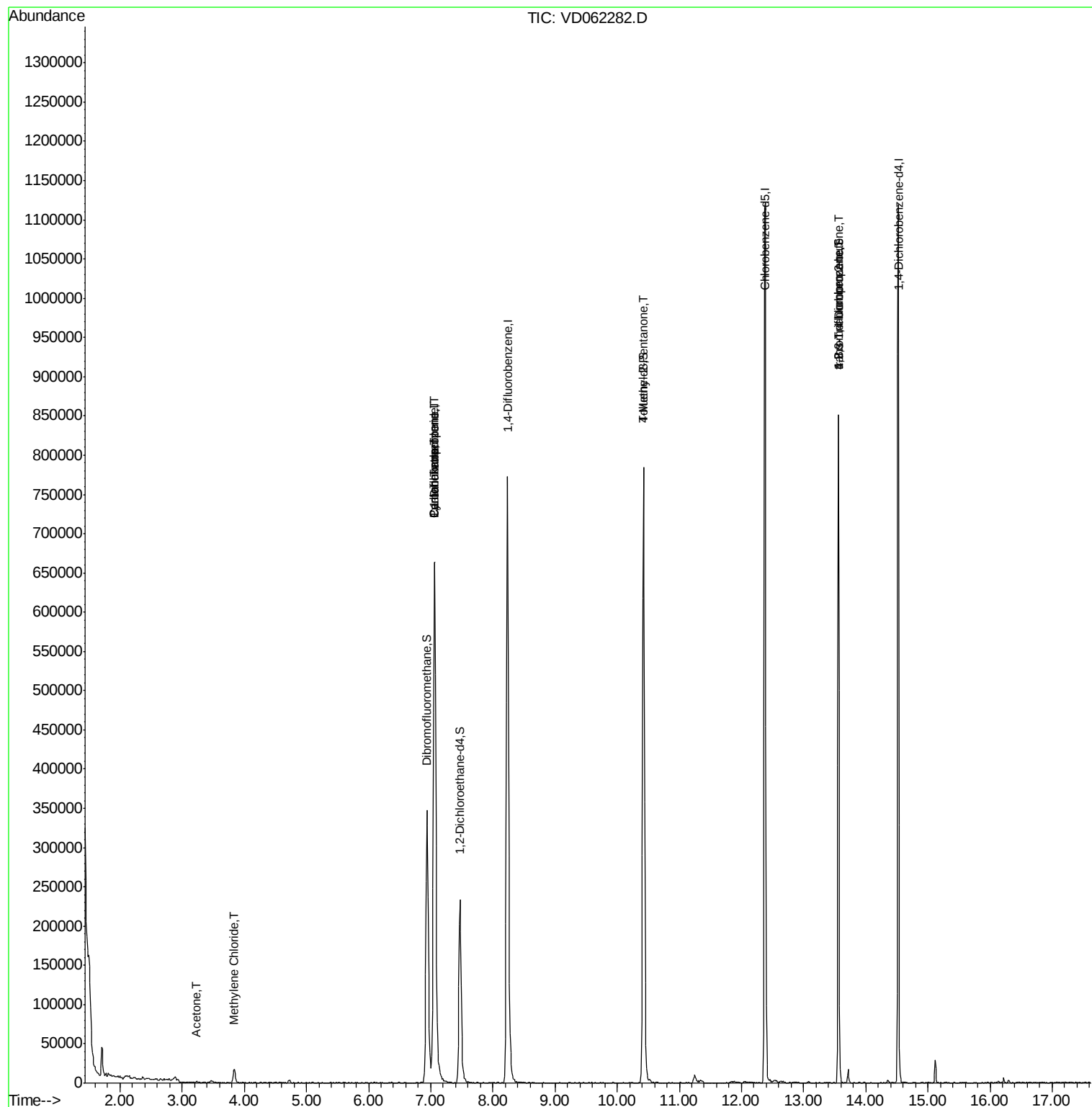
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	1864	1.488	ug/l #	50
18) Methyl Acetate	3.49	43	416	Below Cal	#	53
20) Methylene Chloride	3.84	84	10119	1.935	ug/l #	77
31) Cyclohexane	7.06	56	13389	2.136	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	50661	7.315	ug/l #	49
38) Carbon Tetrachloride	7.06	117	67769	7.070	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	3251	1.214	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	100665	33.693	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	103665	122.907	ug/l #	16

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

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P026-SS009-1218-01

Quant Time: May 13 03:56:59 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: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062282.D

Acq: 13 May 2019 3:18

Instrument :

MSVOA_D

ClientSampleId :

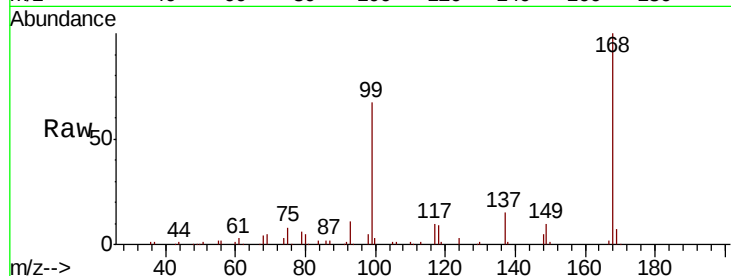
P026-SS009-1218-01

Tot Ion:168 Resp: 642752

Ion Ratio Lower Upper

168 100

99 67.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

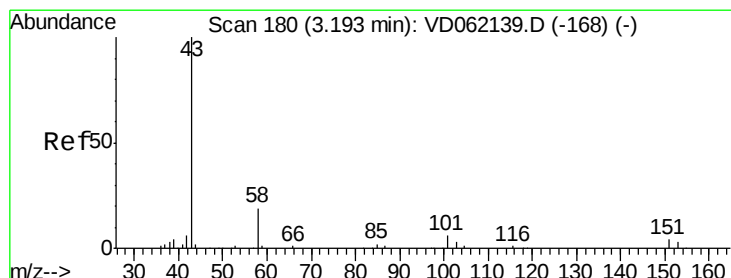
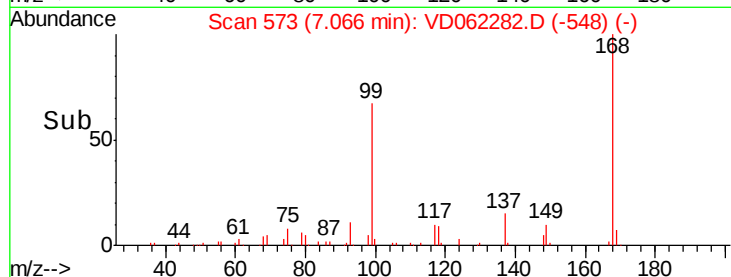
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 1.488 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062282.D

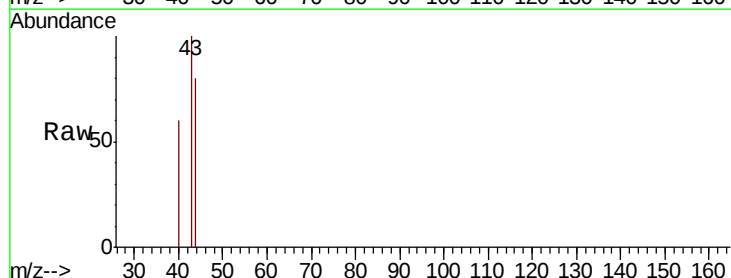
Acq: 13 May 2019 3:18

Tgt Ion: 43 Resp: 1864

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

1000

800

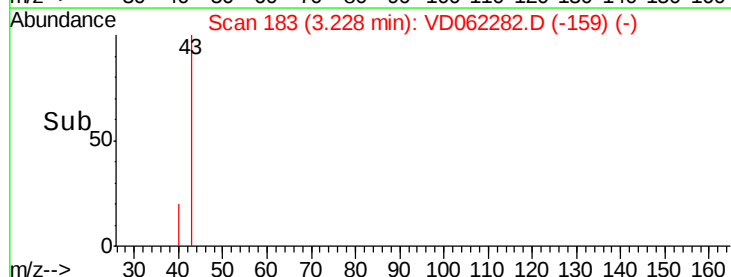
600

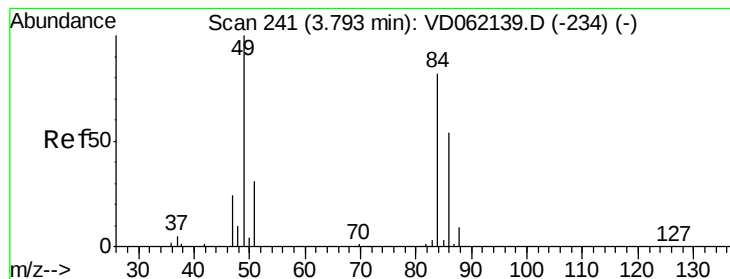
400

200

0

Time--> 3.20 3.25





#20

Methylene Chloride

Concen: 1.935 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD062282.D

Acq: 13 May 2019 3:18

Instrument :

MSVOA_D

ClientSampleId :

P026-SS009-1218-01

Tot Ion: 84 Resp: 10119

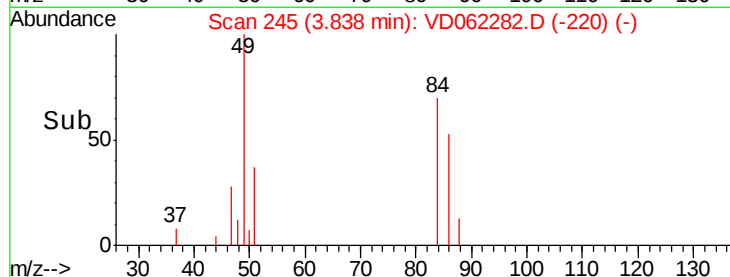
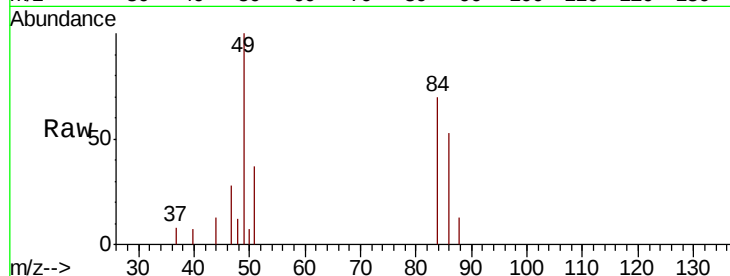
Ion Ratio Lower Upper

84 100

49 143.3 94.0 141.0#

51 53.1 29.0 43.4#

86 76.3 49.8 74.6#

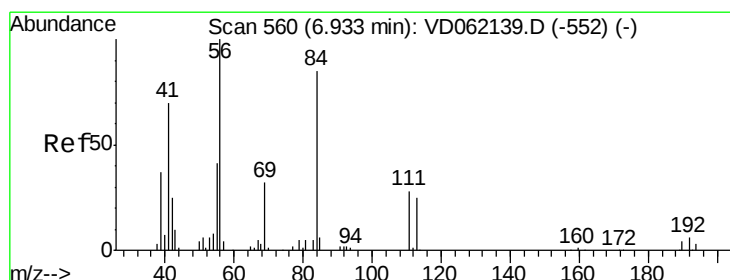
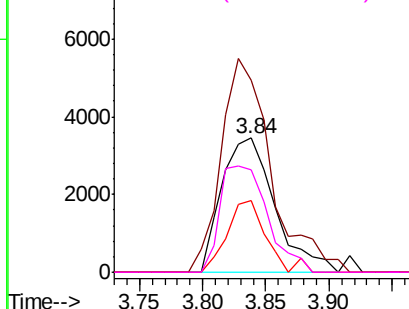


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.136 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062282.D

Acq: 13 May 2019 3:18

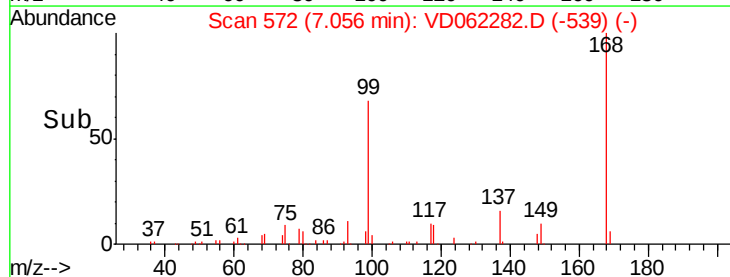
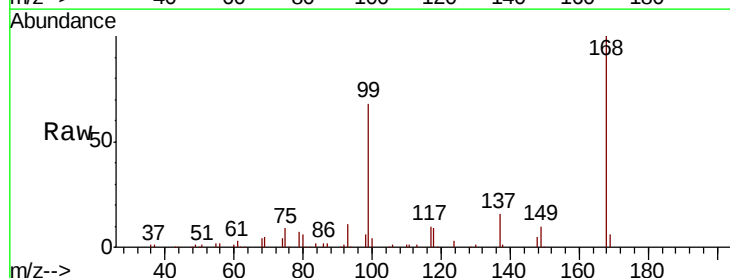
Tgt Ion: 56 Resp: 13389

Ion Ratio Lower Upper

56 100

69 229.7 25.8 38.6#

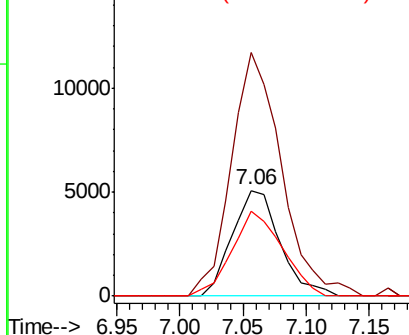
84 79.8 72.2 108.4



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: 43.922 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062282.D

Acq: 13 May 2019 3:18

Instrument :

MSVOA_D

ClientSampleId :

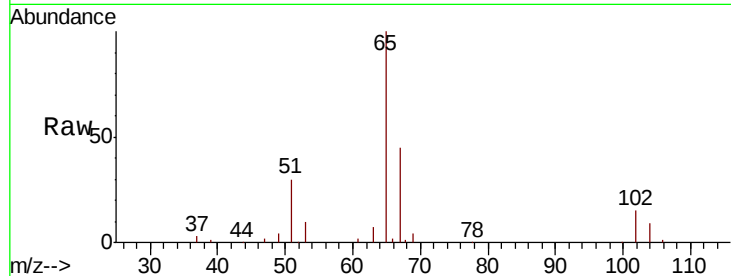
P026-SS009-1218-01

Tot Ion: 65 Resp: 262352

Ion Ratio Lower Upper

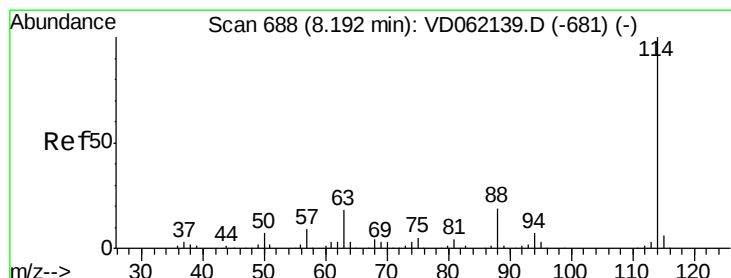
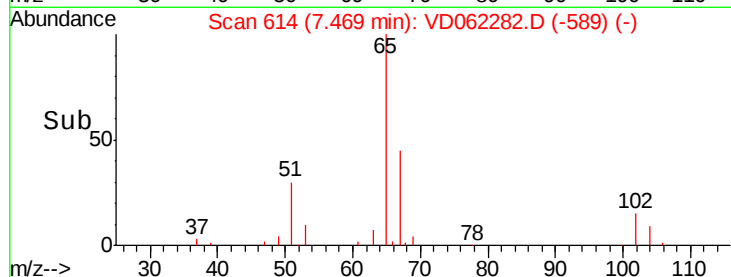
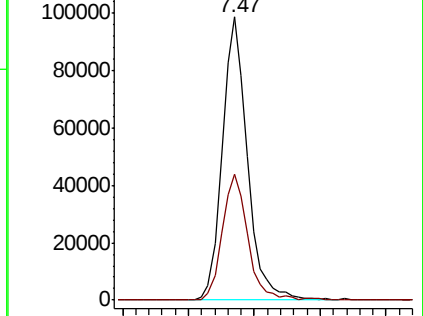
65 100

67 44.6 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: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062282.D

Acq: 13 May 2019 3:18

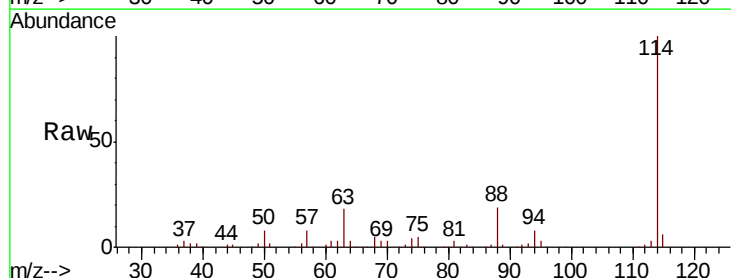
Tgt Ion: 114 Resp: 844683

Ion Ratio Lower Upper

114 100

63 18.2 0.0 32.4

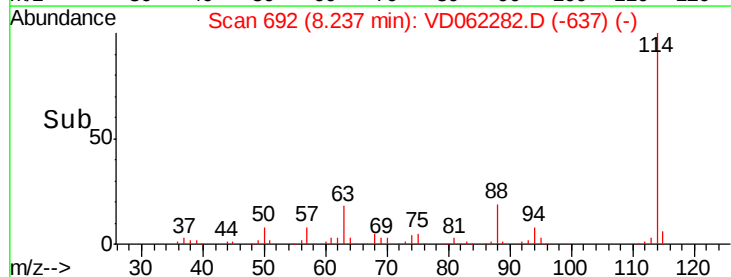
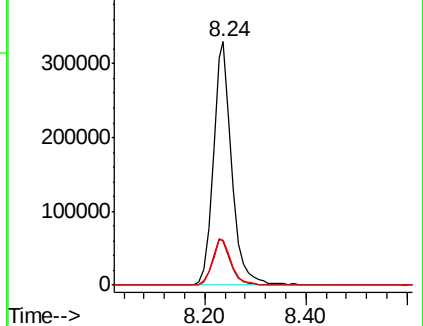
88 18.6 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

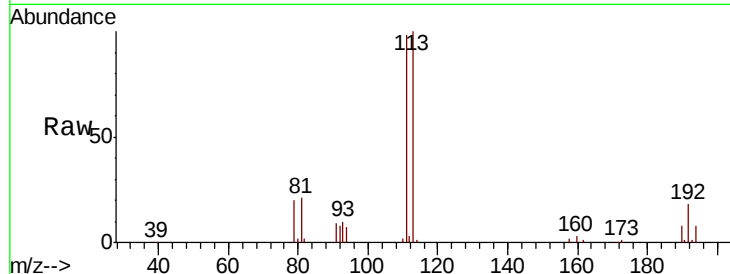




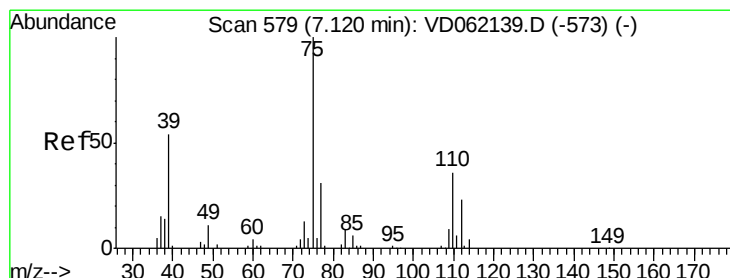
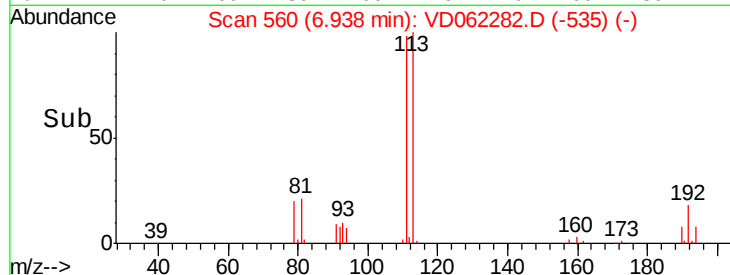
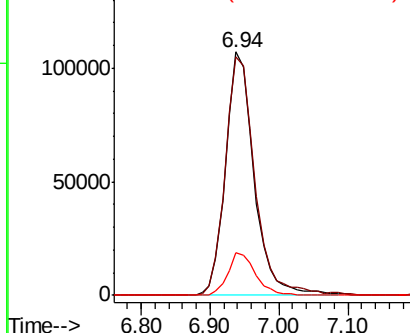
#35
 Dibromofluoromethane
 Concen: 44.053 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062282.D
 Acq: 13 May 2019 3:18

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-1218-01

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.9	78.5	117.7
192	17.8	13.0	19.4

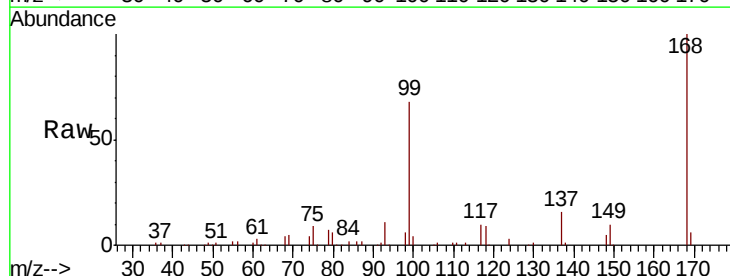


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

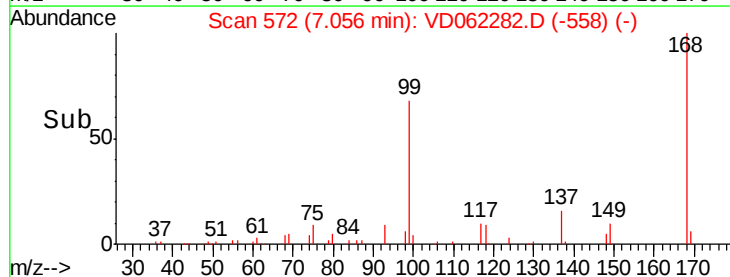
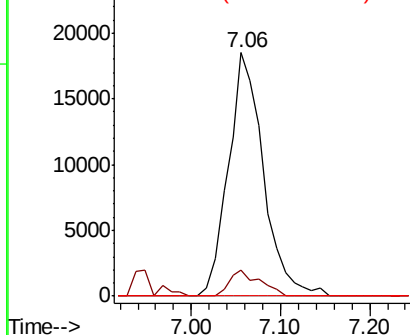


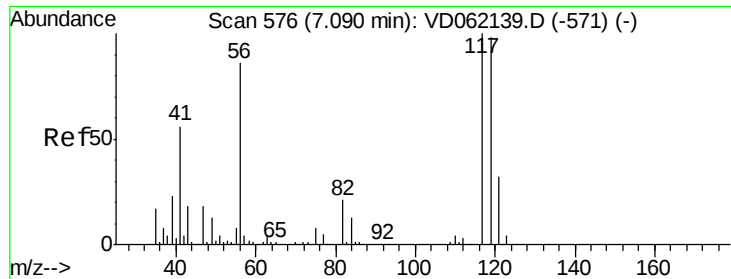
#36
 1,1-Dichloropropene
 Concen: 7.315 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062282.D
 Acq: 13 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.1	57.1#
77	0.0	25.6	38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

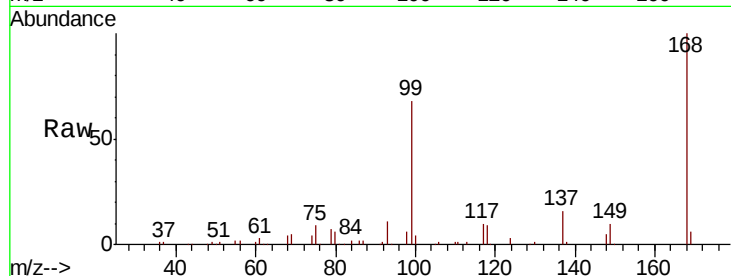




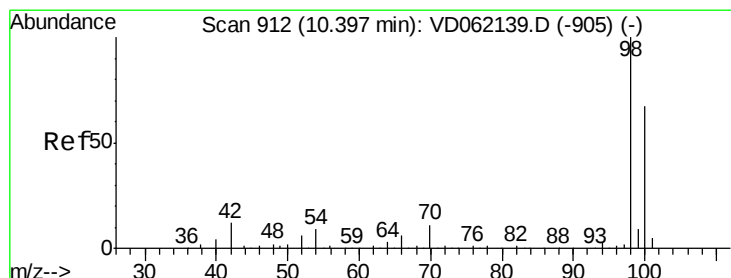
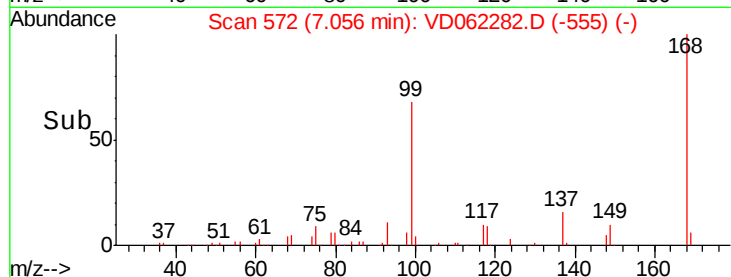
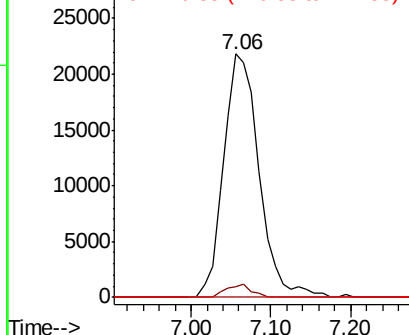
#38
Carbon Tetrachloride
Concen: 7.070 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD062282.D
Acq: 13 May 2019 3:18

Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-1218-01

Tot Ion:117 Resp: 67769
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 25.9 38.9#

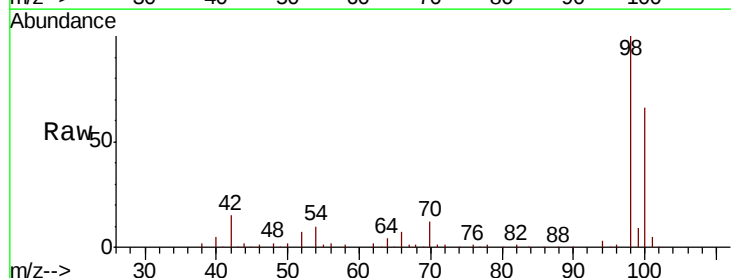


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

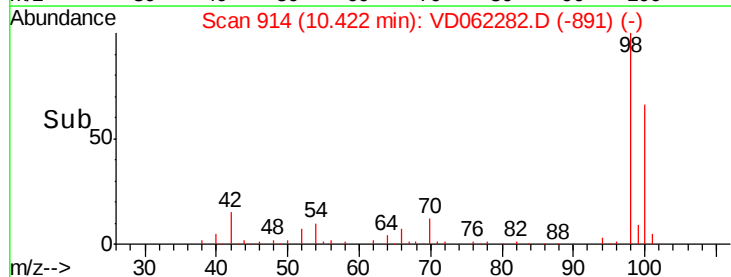
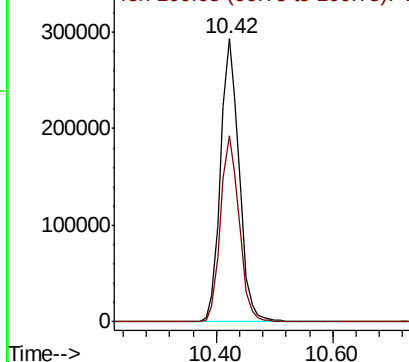


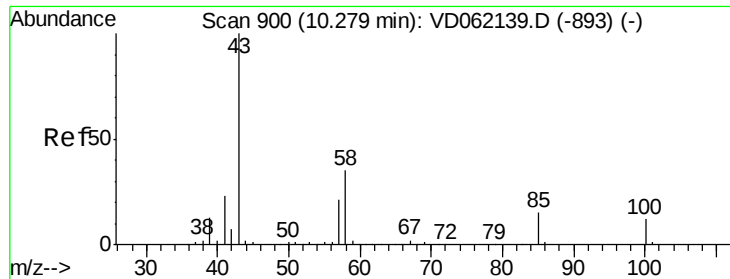
#50
Toluene-d8
Concen: 38.432 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD062282.D
Acq: 13 May 2019 3:18

Tgt Ion: 98 Resp: 649426
Ion Ratio Lower Upper
98 100
100 65.9 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: 1.214 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062282.D

Acq: 13 May 2019 3:18

Instrument :

MSVOA_D

ClientSampleId :

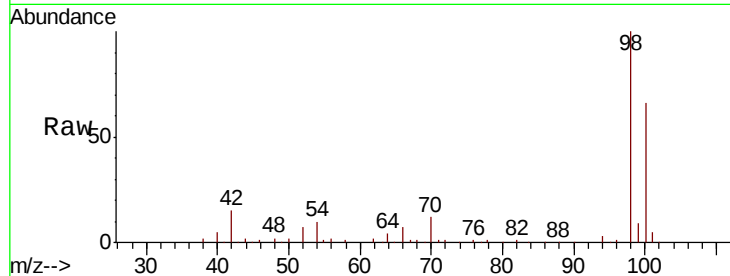
P026-SS009-1218-01

Tot Ion: 43 Resp: 3251

Ion Ratio Lower Upper

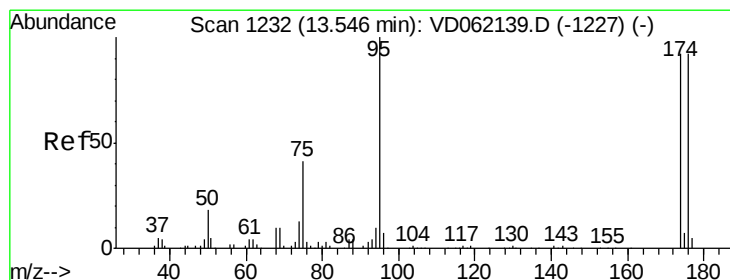
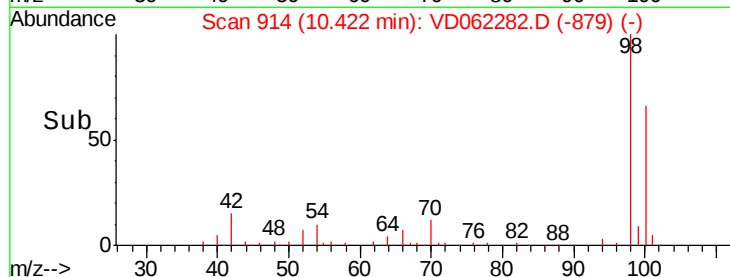
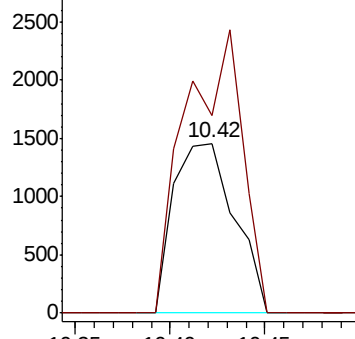
43 100

58 116.7 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: 33.969 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062282.D

Acq: 13 May 2019 3:18

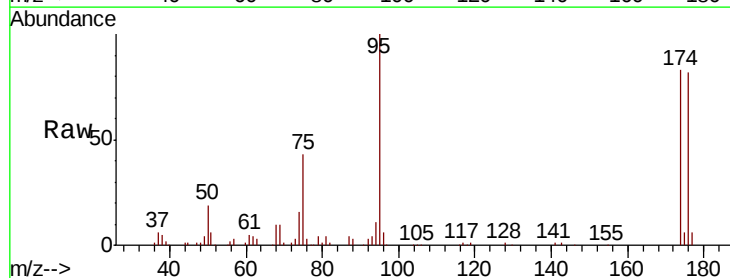
Tgt Ion: 95 Resp: 230498

Ion Ratio Lower Upper

95 100

174 82.8 0.0 181.8

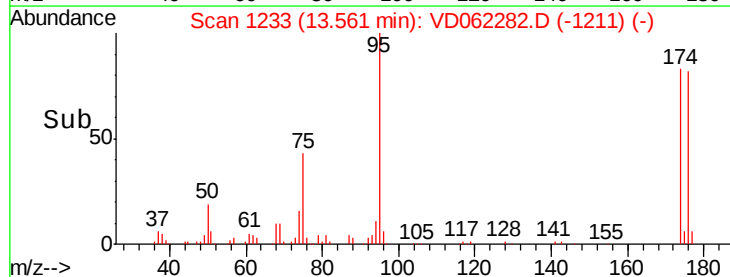
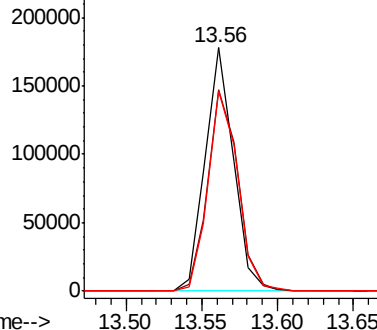
176 82.0 0.0 174.4

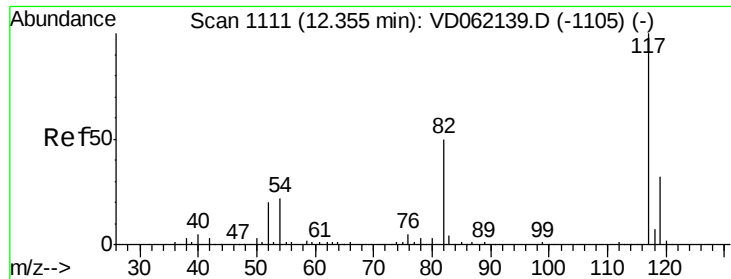


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

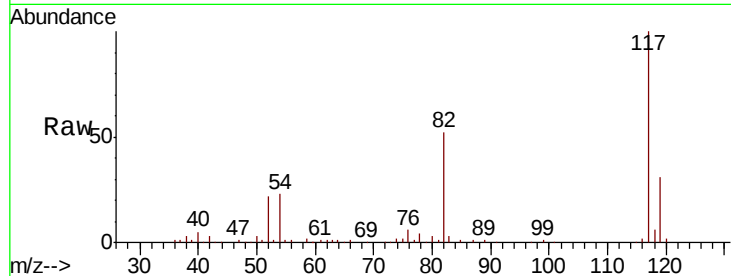




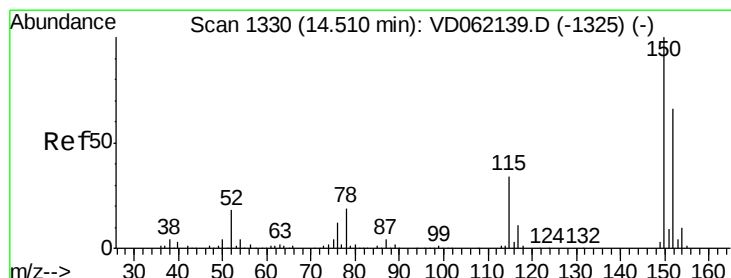
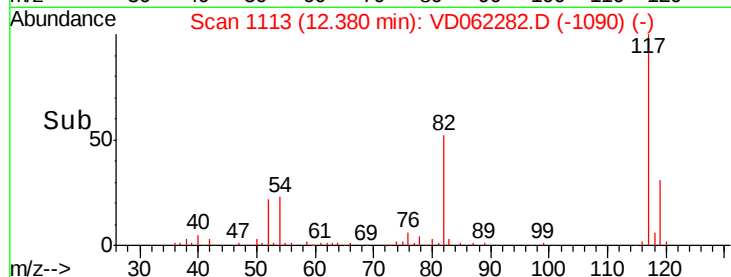
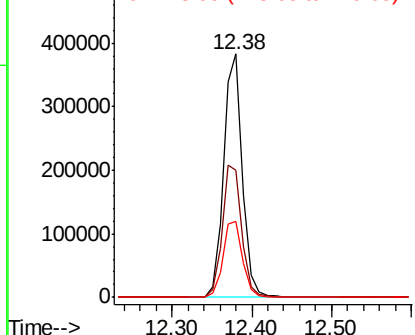
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD062282.D
Acq: 13 May 2019 3:18

Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-1218-01

Tot Ion:117 Resp: 631989
Ion Ratio Lower Upper
117 100
82 52.2 36.2 54.2
119 31.4 26.2 39.4

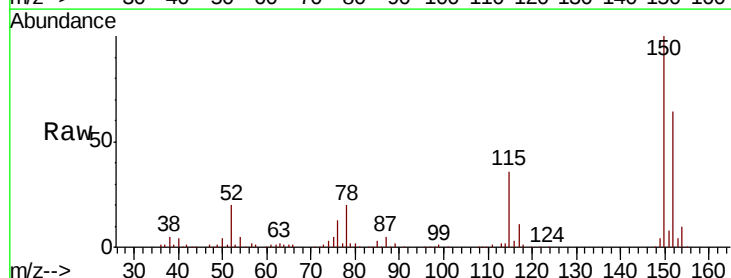


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

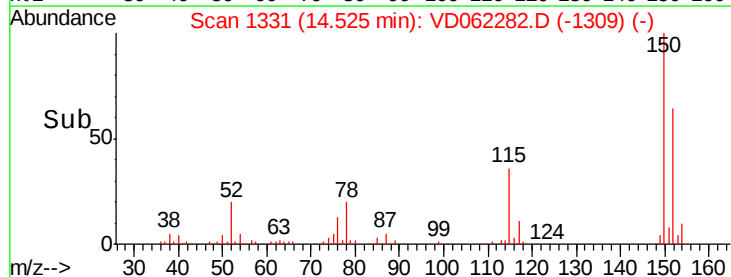
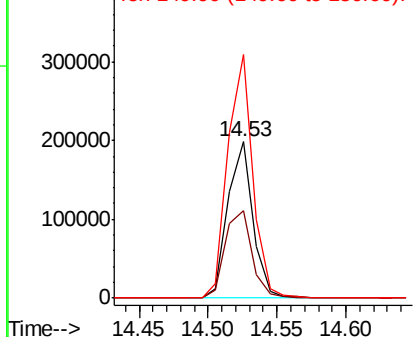


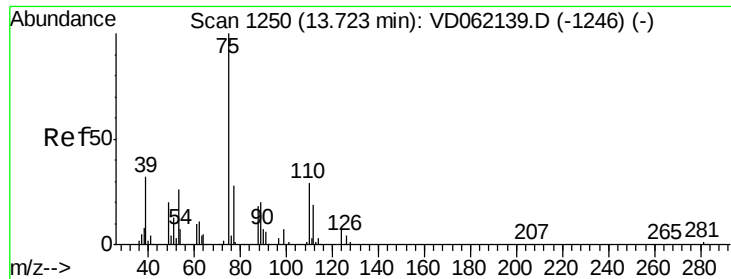
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD062282.D
Acq: 13 May 2019 3:18

Tgt Ion:152 Resp: 251401
Ion Ratio Lower Upper
152 100
115 56.1 30.9 92.7
150 156.1 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

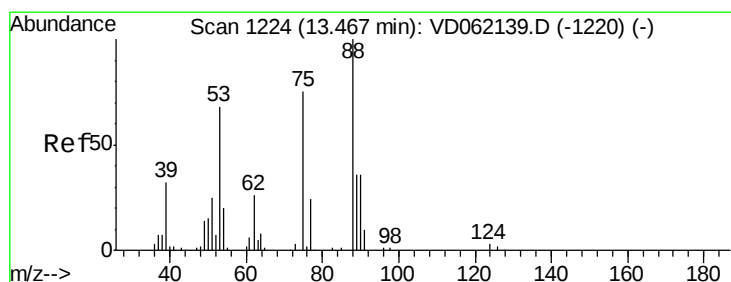
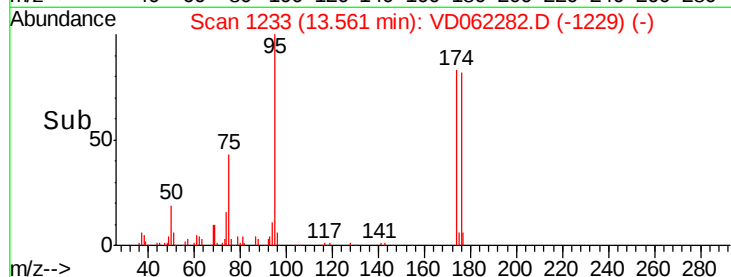
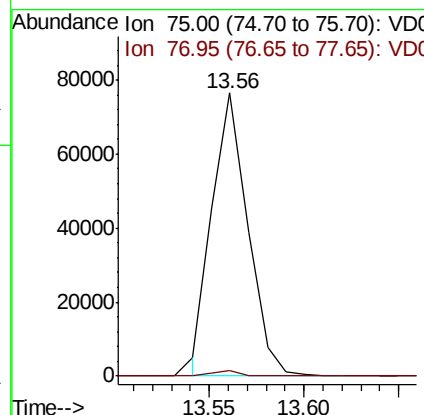
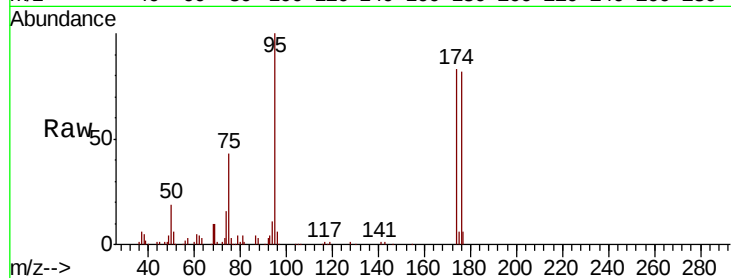




#76
 1,2,3-Trichloropropane
 Concen: 33.693 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD062282.D
 Acq: 13 May 2019 3:18

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-1218-01

Tot Ion: 75 Resp: 100665
 Ion Ratio Lower Upper
 75 100
 77 2.0 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.907 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD062282.D
 Acq: 13 May 2019 3:18

Tgt Ion: 75 Resp: 103665
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

