

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062325.D
 Acq On : 14 May 2019 2:02
 Operator : FY/SY
 Sample : K2735-03
 Misc : 5.03g/5mL/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1218-01

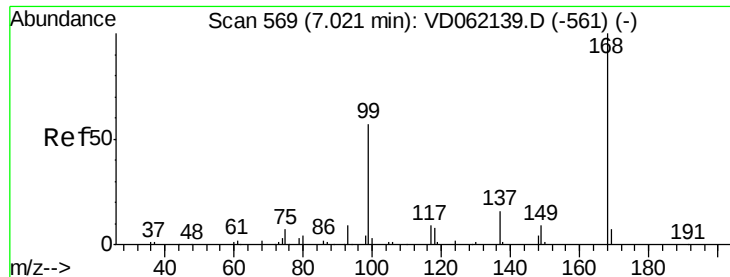
Quant Time: May 14 05:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	565740	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	807545	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	588674	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	242267	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	263336	50.09	ug/l	0.04
Spiked Amount 50.000			Recovery	=	100.18%	
35) Dibromofluoromethane	6.95	113	313464	46.78	ug/l	0.05
Spiked Amount 50.000			Recovery	=	93.56%	
50) Toluene-d8	10.43	98	611369	37.84	ug/l	0.03
Spiked Amount 50.000			Recovery	=	75.68%	
62) 4-Bromofluorobenzene	13.56	95	225327	34.73	ug/l	0.01
Spiked Amount 50.000			Recovery	=	69.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	1779	1.976	ug/l #	12
16) Acetone	3.24	43	4409	3.999	ug/l #	50
18) Methyl Acetate	3.67	43	428	Below Cal	#	53
31) Cyclohexane	7.07	56	12832	2.326	ug/l #	3
36) 1,1-Dichloropropene	7.07	75	45011	6.798	ug/l #	47
38) Carbon Tetrachloride	7.07	117	60458	6.597	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	2980	1.164	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	103142	35.824	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	104090	128.064	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062325.D

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ClientSampleId :

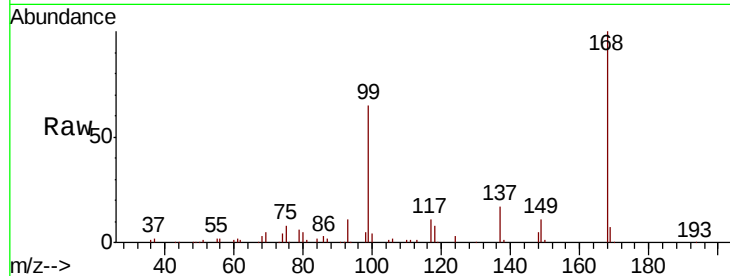
P026-SS015-1218-01

Tot Ion:168 Resp: 565740

Ion Ratio Lower Upper

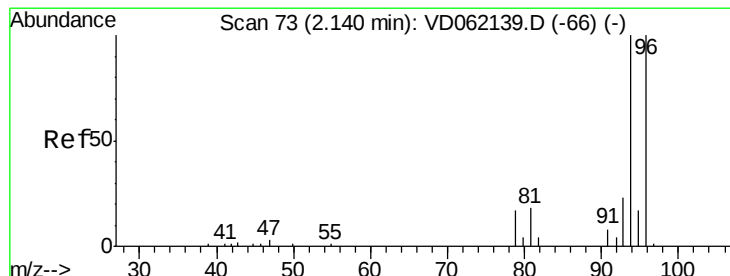
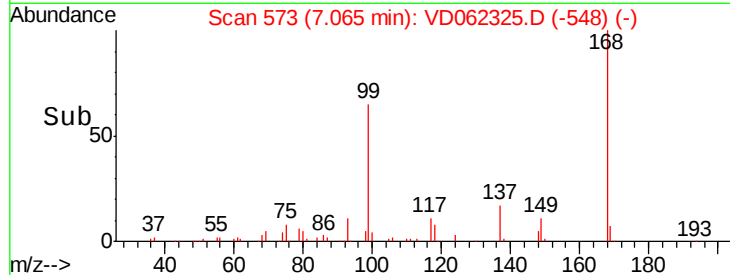
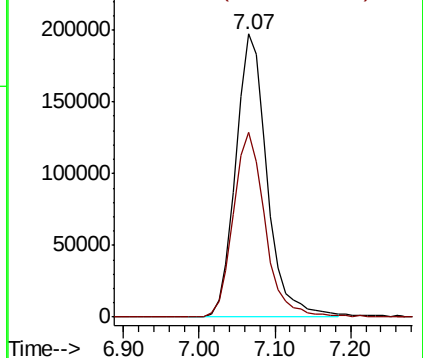
168 100

99 65.2 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: 1.976 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD062325.D

Acq: 14 May 2019 2:02

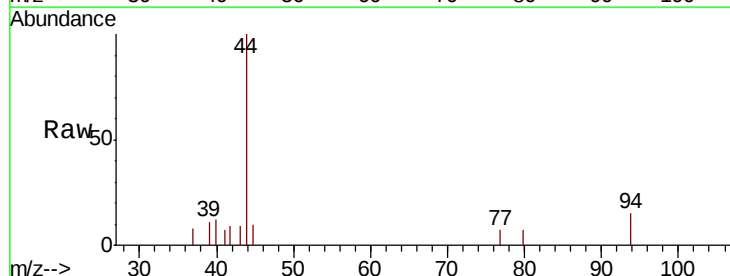
Tgt Ion: 94 Resp: 1779

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

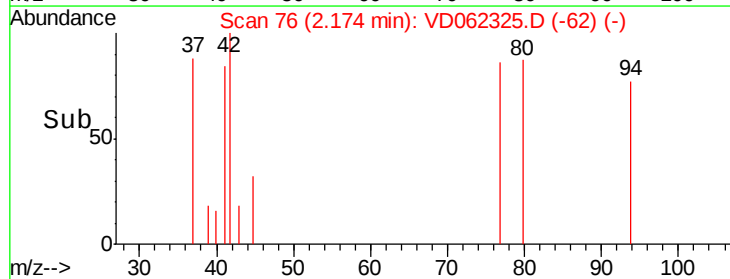
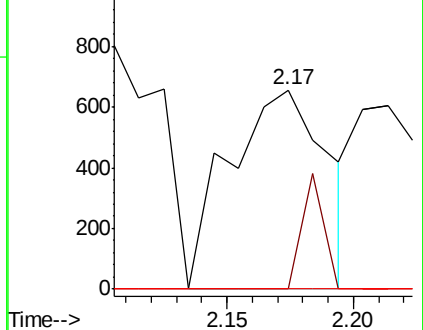
93 0.0 18.5 27.7#



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





#16

Acetone

Concen: 3.999 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062325.D

Acq: 14 May 2019 2:02

Instrument :

MSVOA_D

ClientSampleId :

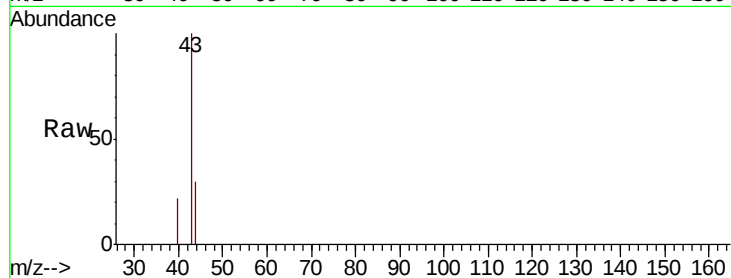
P026-SS015-1218-01

Tot Ion: 43 Resp: 4409

Ion Ratio Lower Upper

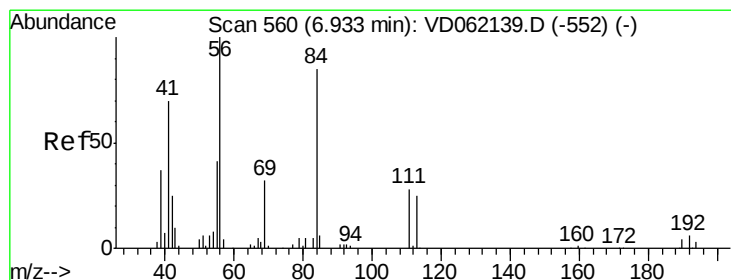
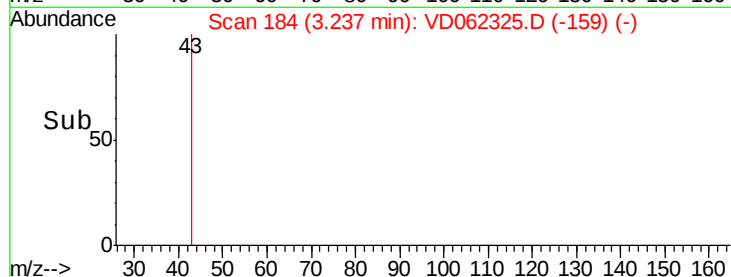
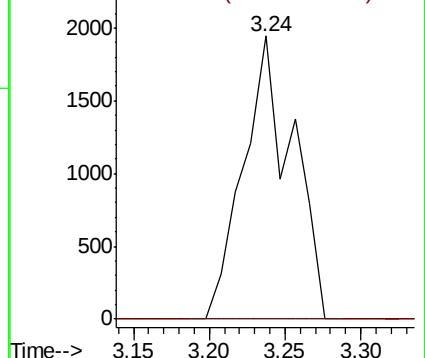
43 100

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



#31

Cyclohexane

Concen: 2.326 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062325.D

Acq: 14 May 2019 2:02

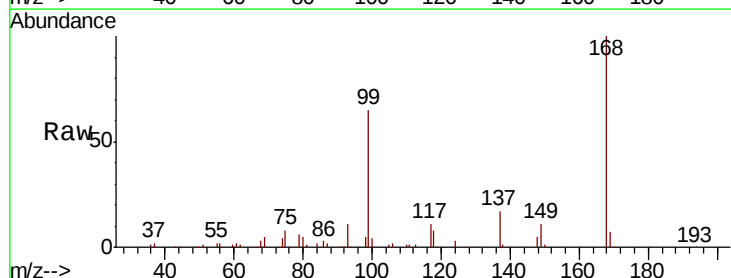
Tgt Ion: 56 Resp: 12832

Ion Ratio Lower Upper

56 100

69 217.7 25.8 38.6#

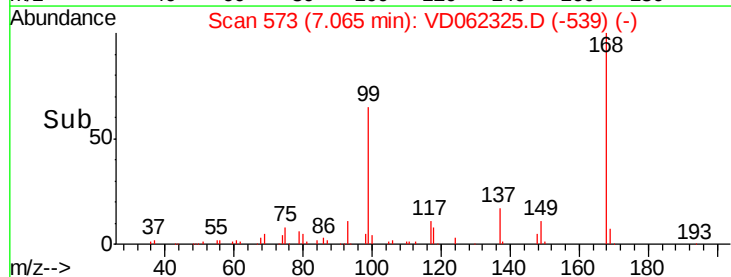
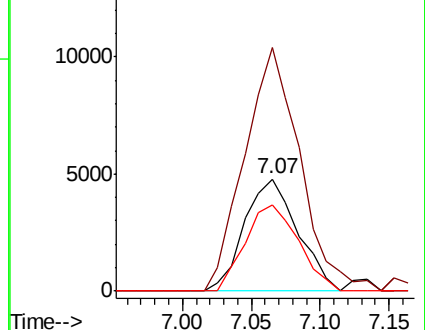
84 77.5 72.2 108.4

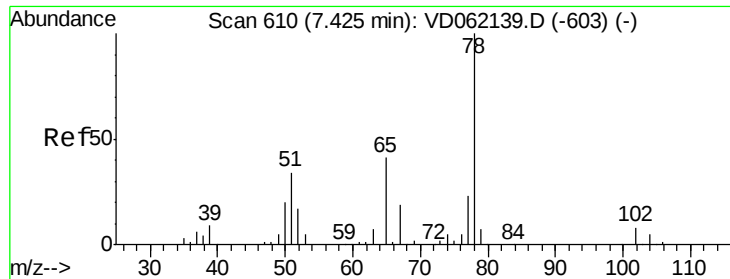


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.088 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062325.D

Acq: 14 May 2019 2:02

Instrument :

MSVOA_D

ClientSampleId :

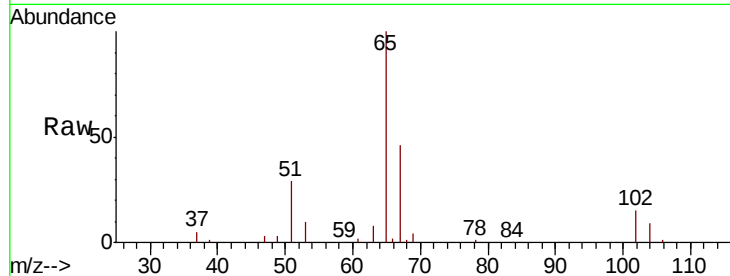
P026-SS015-1218-01

Tot Ion: 65 Resp: 263336

Ion Ratio Lower Upper

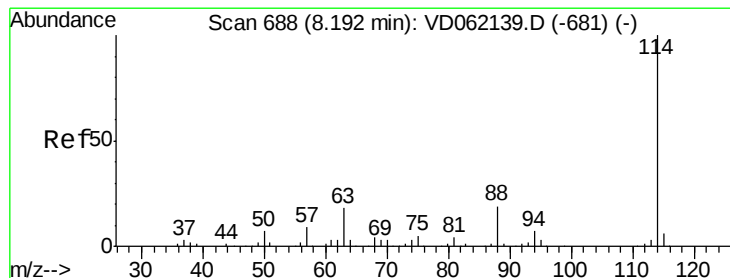
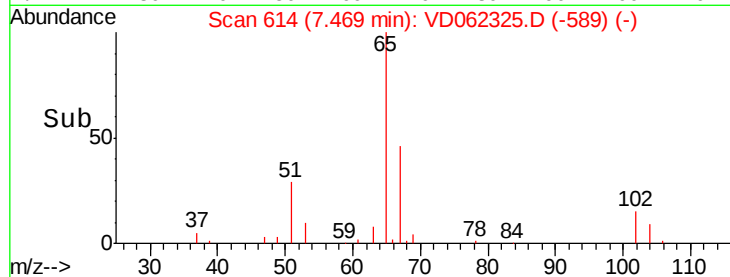
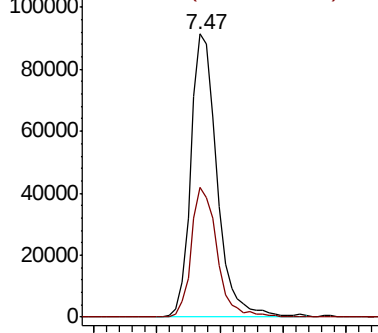
65 100

67 45.9 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: VD062325.D

Acq: 14 May 2019 2:02

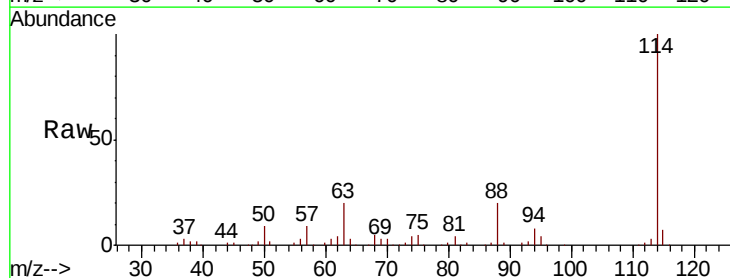
Tgt Ion: 114 Resp: 807545

Ion Ratio Lower Upper

114 100

63 19.8 0.0 32.4

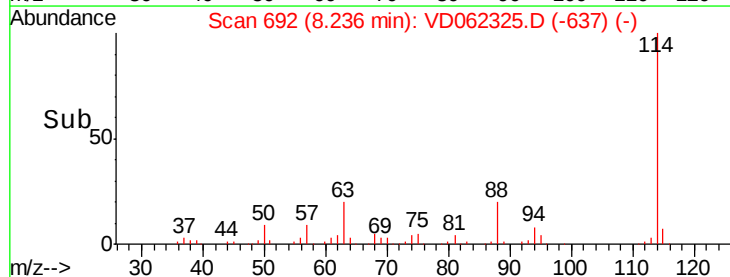
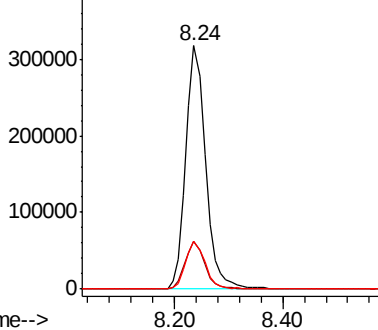
88 19.8 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

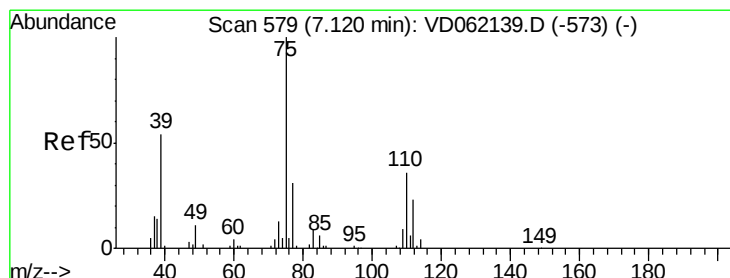
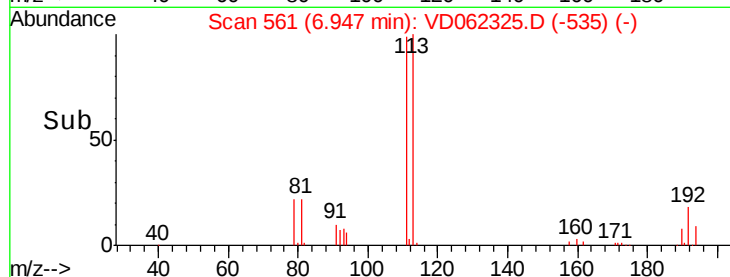
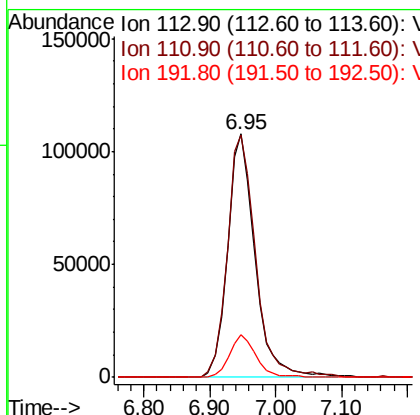
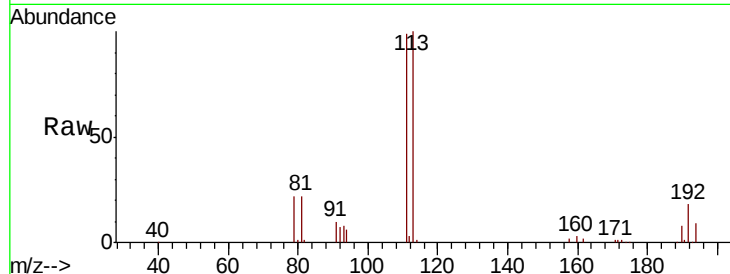




#35
 Dibromofluoromethane
 Concen: 46.784 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062325.D
 Acq: 14 May 2019 2:02

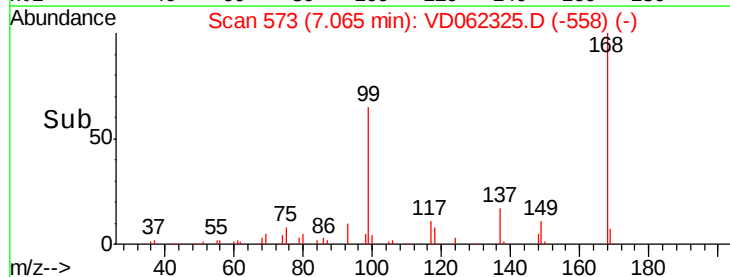
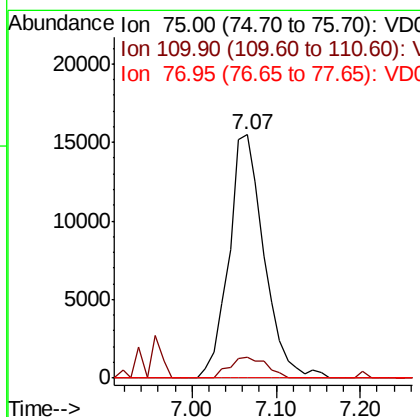
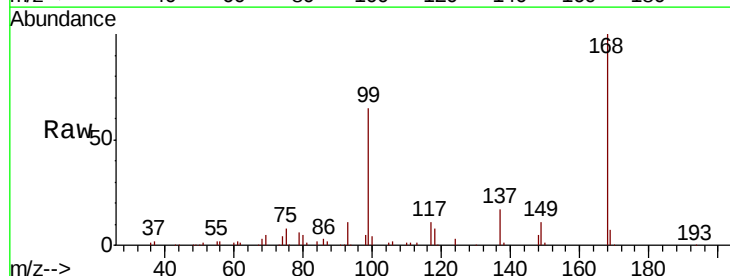
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1218-01

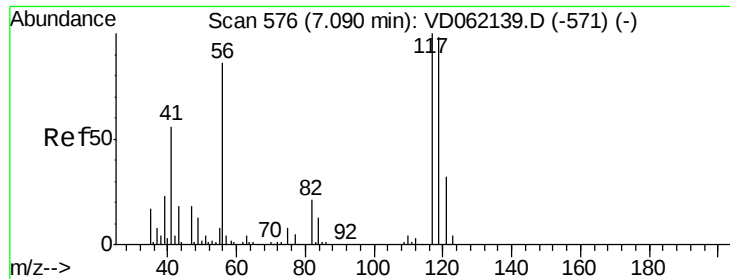
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.3	78.5	117.7
192	17.7	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 6.798 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD062325.D
 Acq: 14 May 2019 2:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.1	57.1#
77	0.0	25.6	38.4#

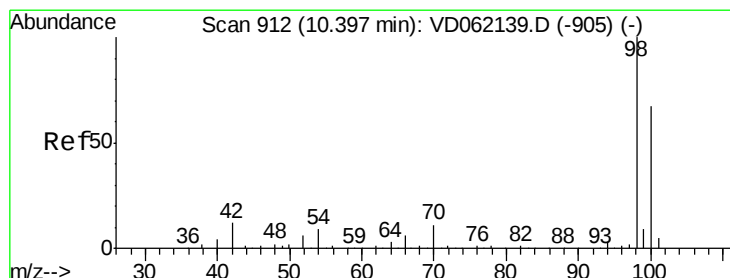
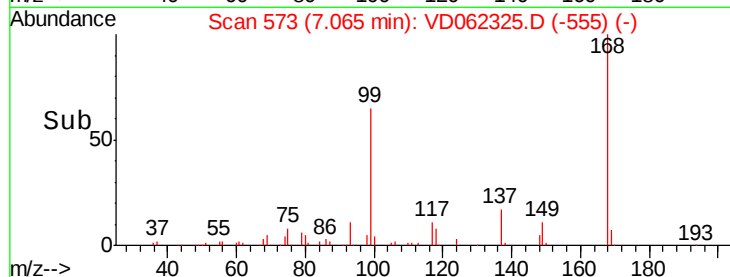
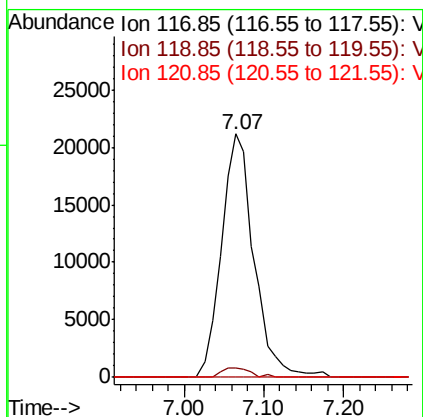
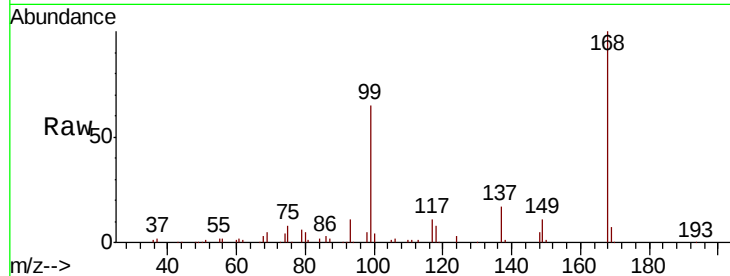




#38
Carbon Tetrachloride
Concen: 6.597 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062325.D
Acq: 14 May 2019 2:02

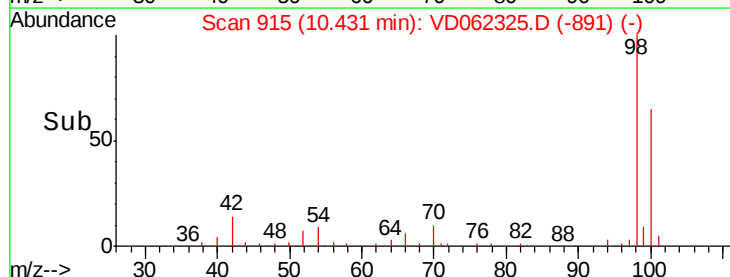
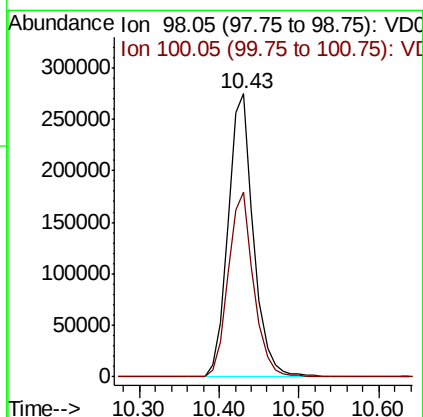
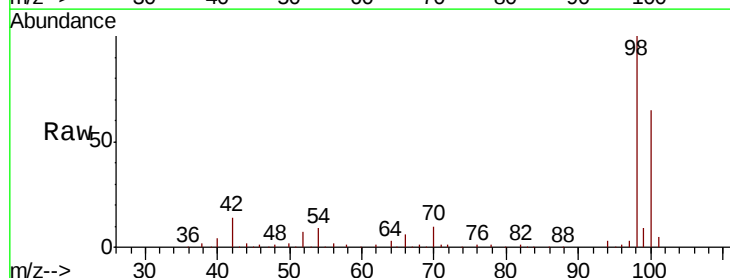
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1218-01

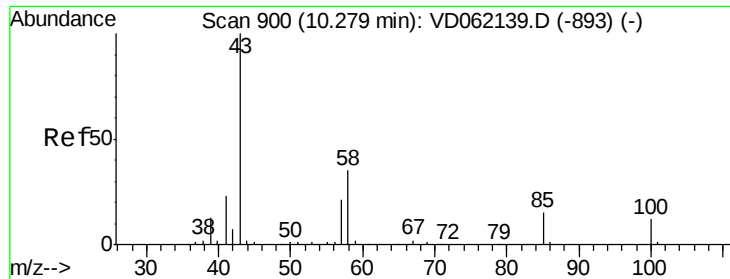
Tot Ion:117 Resp: 60458
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 37.844 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062325.D
Acq: 14 May 2019 2:02

Tgt Ion: 98 Resp: 611369
Ion Ratio Lower Upper
98 100
100 65.4 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 1.164 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062325.D

Acq: 14 May 2019 2:02

Instrument :

MSVOA_D

ClientSampleId :

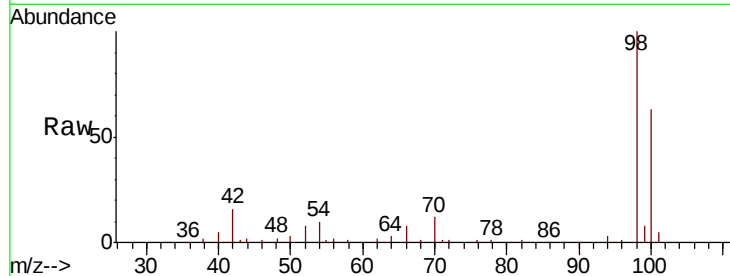
P026-SS015-1218-01

Tot Ion: 43 Resp: 2980

Ion Ratio Lower Upper

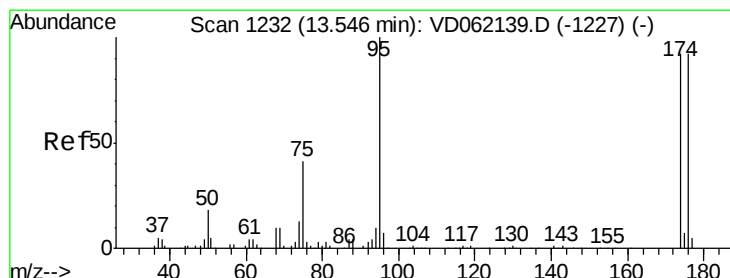
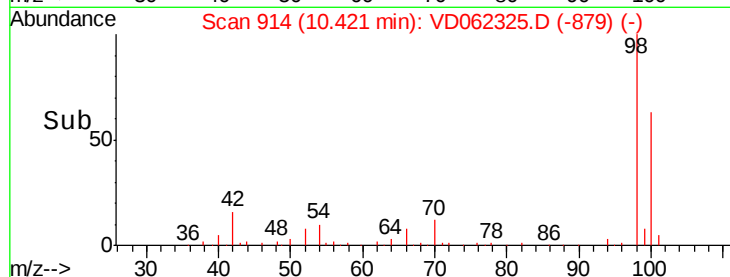
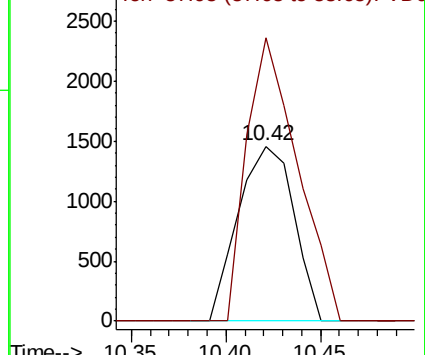
43 100

58 161.7 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: 34.734 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062325.D

Acq: 14 May 2019 2:02

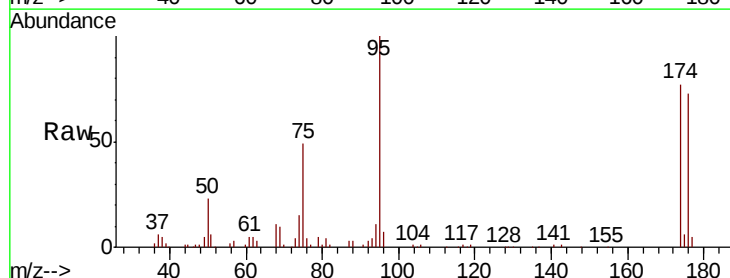
Tgt Ion: 95 Resp: 225327

Ion Ratio Lower Upper

95 100

174 76.7 0.0 181.8

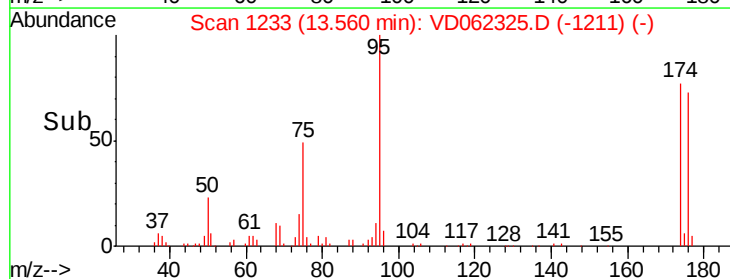
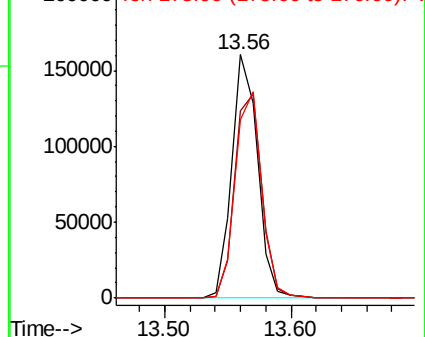
176 73.4 0.0 174.4

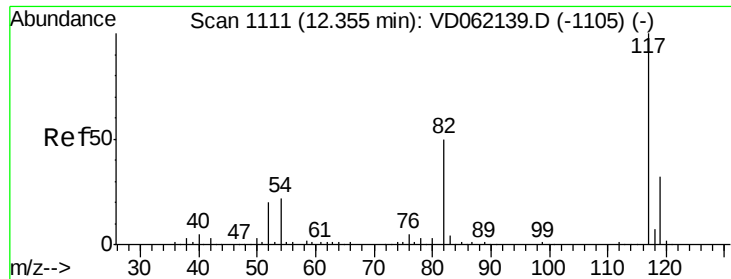


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

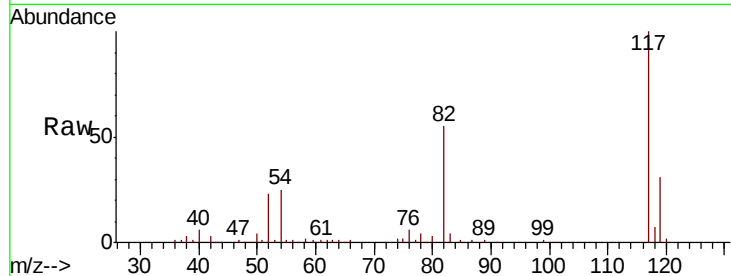




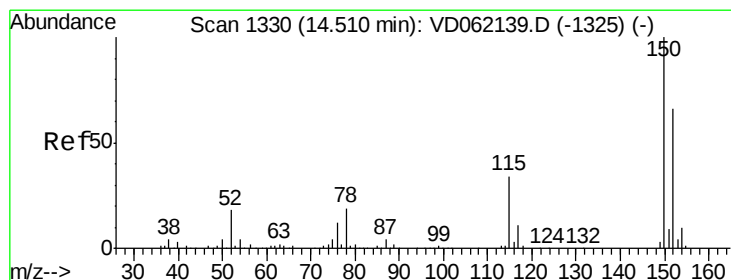
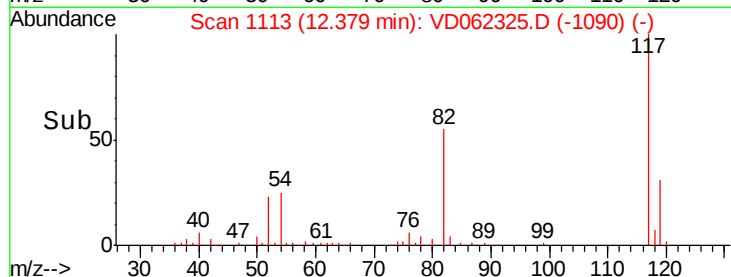
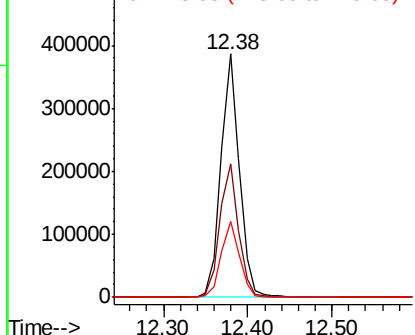
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062325.D
Acq: 14 May 2019 2:02

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1218-01

Tot Ion:117 Resp: 588674
Ion Ratio Lower Upper
117 100
82 54.6 36.2 54.2#
119 31.4 26.2 39.4

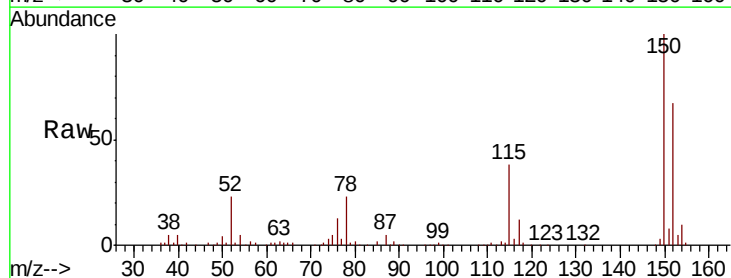


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

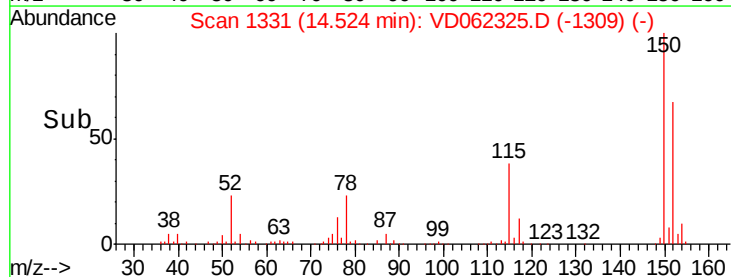
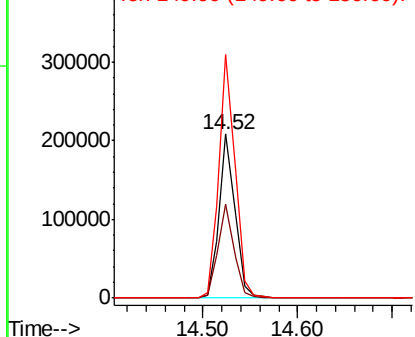


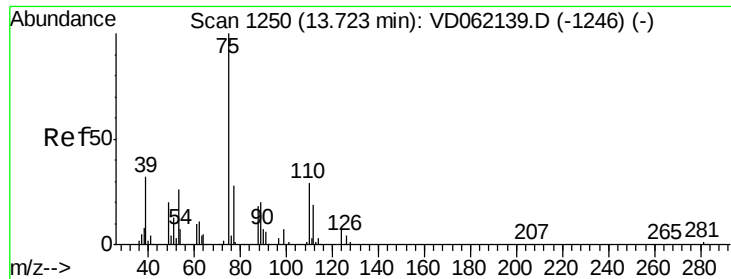
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062325.D
Acq: 14 May 2019 2:02

Tgt Ion:152 Resp: 242267
Ion Ratio Lower Upper
152 100
115 56.9 30.9 92.7
150 148.4 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





#76

1,2,3-Trichloropropane

Concen: 35.824 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062325.D

Acq: 14 May 2019 2:02

Instrument :

MSVOA_D

ClientSampleId :

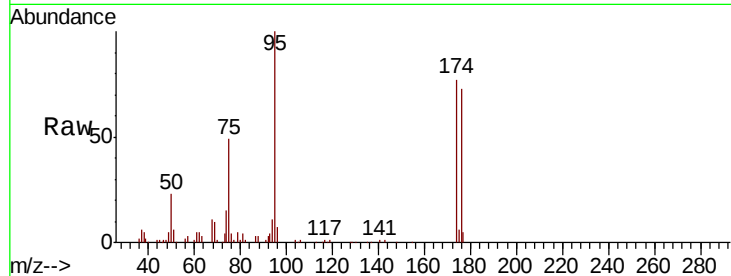
P026-SS015-1218-01

Tot Ion: 75 Resp: 103142

Ion Ratio Lower Upper

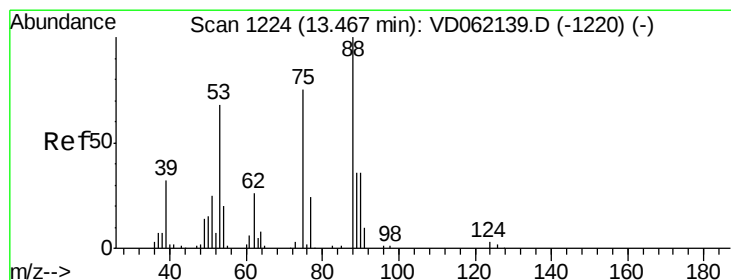
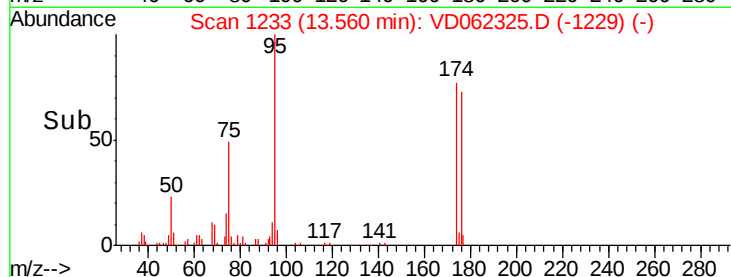
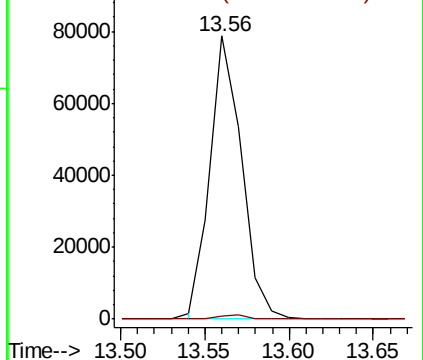
75 100

77 1.3 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 128.064 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062325.D

Acq: 14 May 2019 2:02

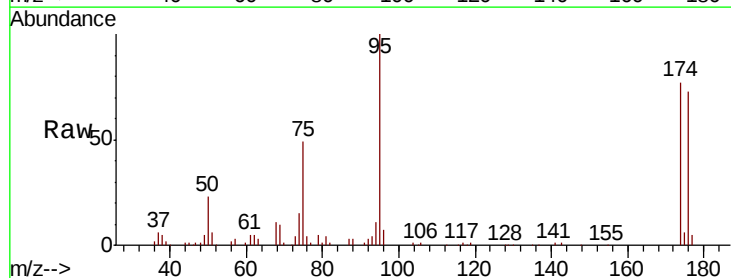
Tgt Ion: 75 Resp: 104090

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

