

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD050919\
 Data File : VD062193.D
 Acq On : 9 May 2019 17:28
 Operator : FY/SY
 Sample : K2717-08
 Misc : 5.51g/5mL/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-0612-01

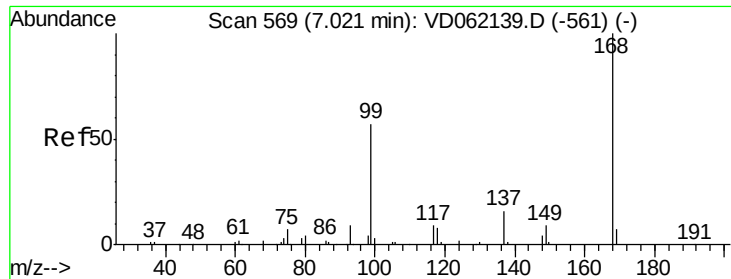
Quant Time: May 10 04:20:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	831222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1209110	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	837591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	355517	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	437805	56.68	ug/l	0.00
Spiked Amount			Recovery	=	113.36%	
35) Dibromofluoromethane	6.90	113	590397	58.85	ug/l	0.00
Spiked Amount			Recovery	=	117.70%	
50) Toluene-d8	10.40	98	1240091	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	13.55	95	433881	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1602	1.211	ug/l #	12
16) Acetone	3.20	43	22251	13.736	ug/l #	89
18) Methyl Acetate	3.63	43	275	Below Cal	#	53
20) Methylene Chloride	3.80	84	16826	2.488	ug/l	89
31) Cyclohexane	7.02	56	14387	1.775	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	63504	6.406	ug/l #	47
38) Carbon Tetrachloride	7.02	117	79930	5.825	ug/l #	17
51) 4-Methyl-2-Pentanone	10.40	43	6050	1.579	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	177573	148.877	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062193.D

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MSVOA_D

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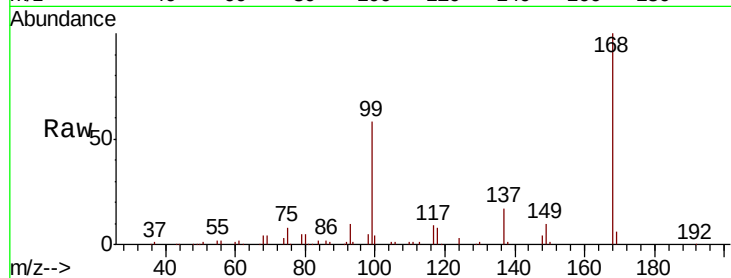
P026-SS002-0612-01

Tgt Ion:168 Resp: 831222

Ion Ratio Lower Upper

168 100

99 58.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

250000

200000

150000

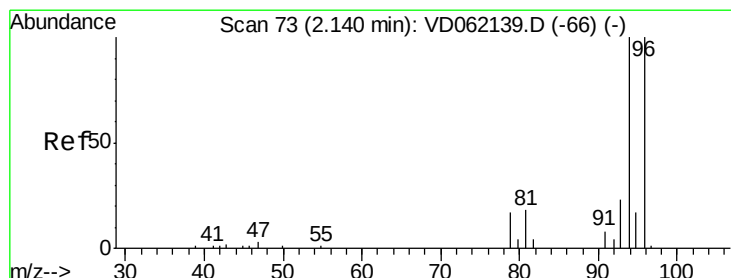
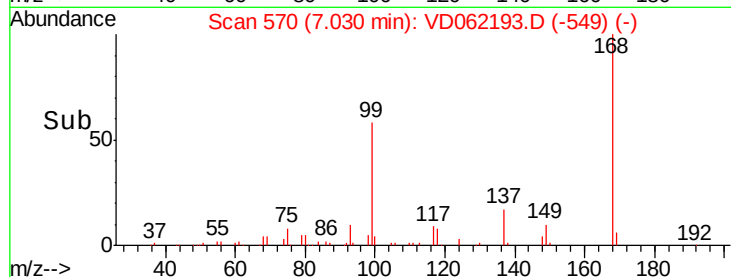
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 1.211 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062193.D

Acq: 9 May 2019 17:28

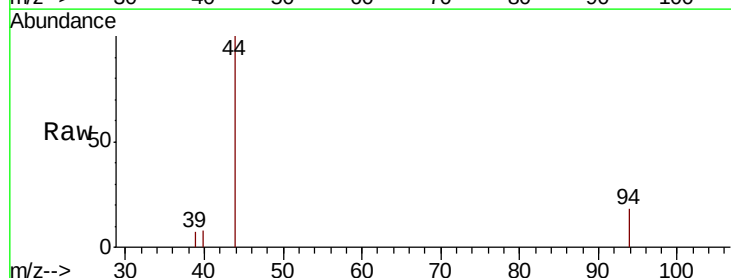
Tgt Ion: 94 Resp: 1602

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

1200

1000

800

600

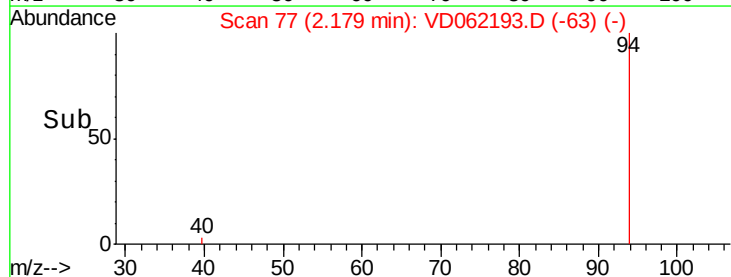
400

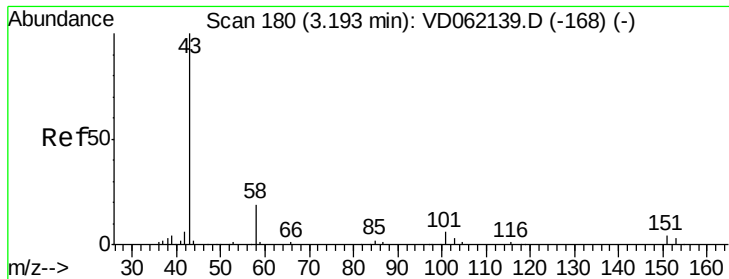
200

0

2.15 2.20

Time-->





#16

Acetone

Concen: 13.736 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062193.D

Acq: 9 May 2019 17:28

Instrument :

MSVOA_D

ClientSampleId :

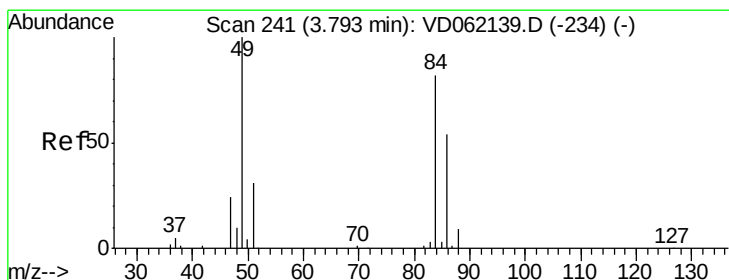
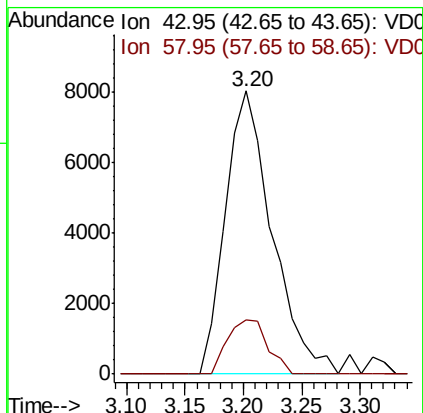
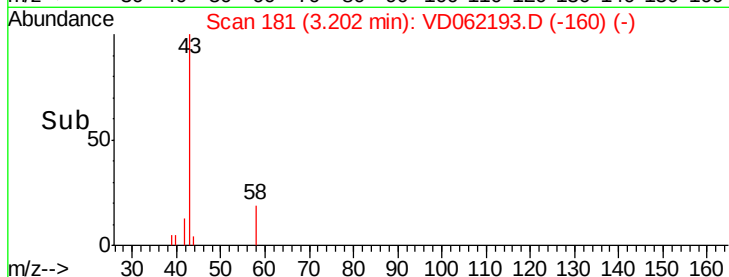
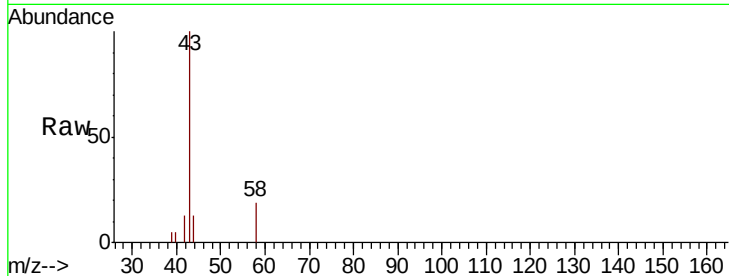
P026-SS002-0612-01

Tgt Ion: 43 Resp: 22251

Ion Ratio Lower Upper

43 100

58 19.3 19.9 29.9#



#20

Methylene Chloride

Concen: 2.488 ug/l

RT: 3.80 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD062193.D

Acq: 9 May 2019 17:28

Tgt Ion: 84 Resp: 16826

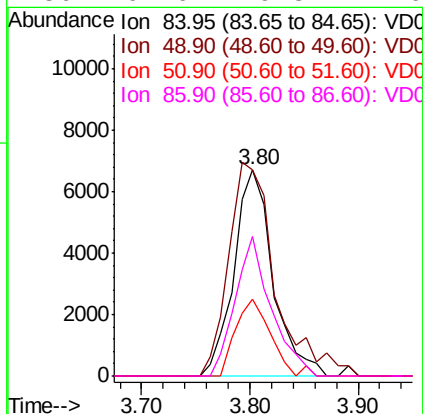
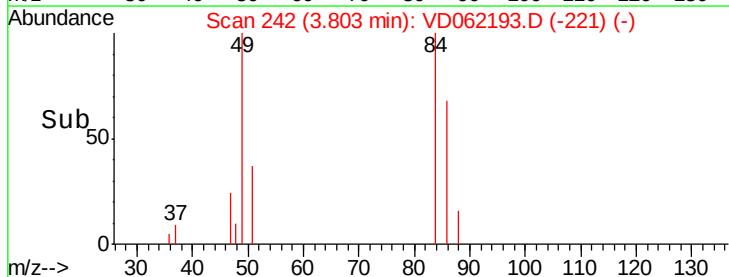
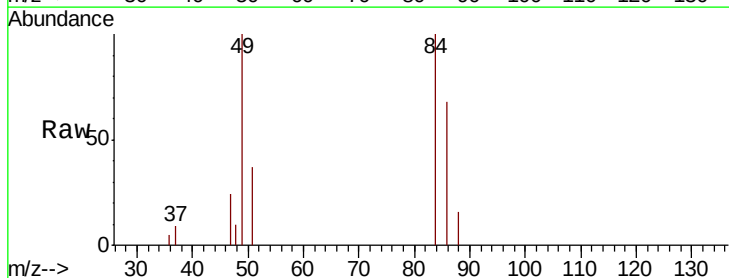
Ion Ratio Lower Upper

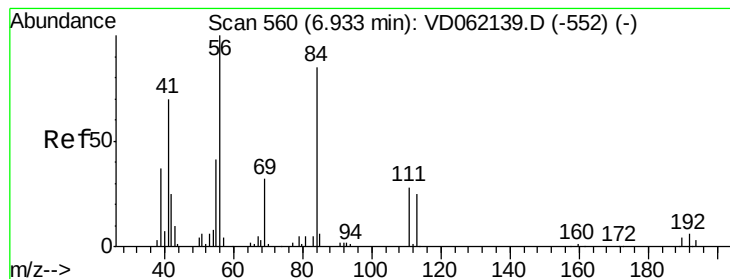
84 100

49 100.0 94.0 141.0

51 37.1 29.0 43.4

86 67.6 49.8 74.6





#31

Cyclohexane

Concen: 1.775 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD062193.D

Acq: 9 May 2019 17:28

Instrument :

MSVOA_D

ClientSampleId :

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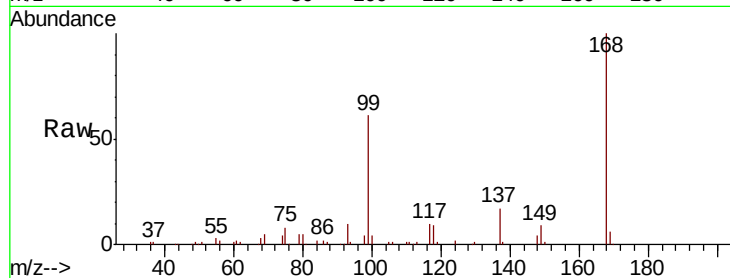
Tgt Ion: 56 Resp: 14387

Ion Ratio Lower Upper

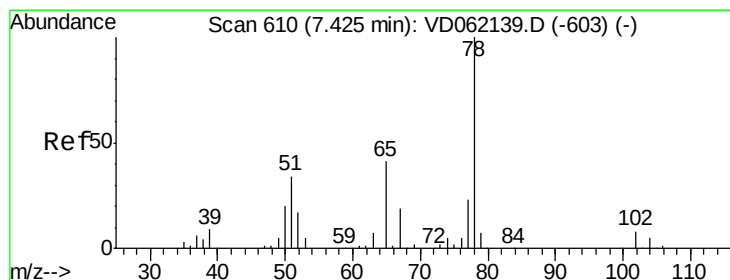
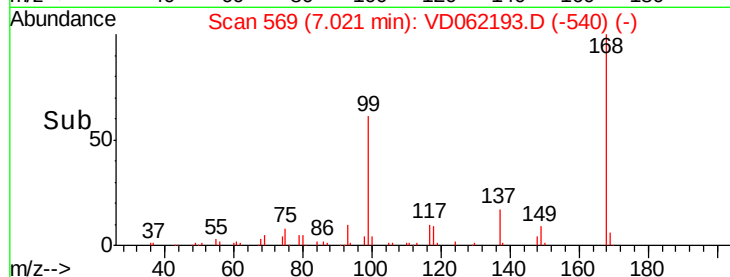
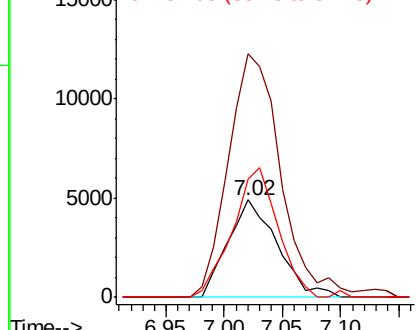
56 100

69 250.1 25.8 38.6#

84 121.5 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: 56.676 ug/l

RT: 7.43 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062193.D

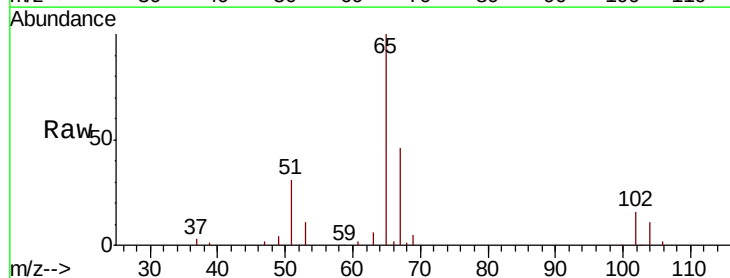
Acq: 9 May 2019 17:28

Tgt Ion: 65 Resp: 437805

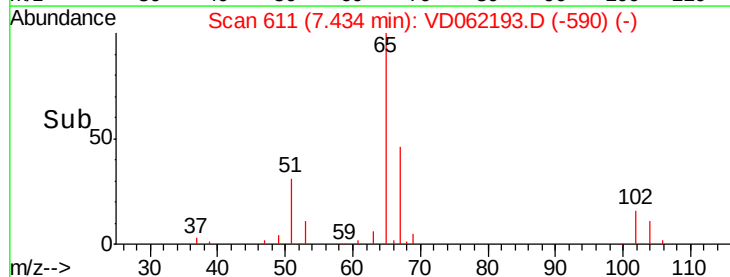
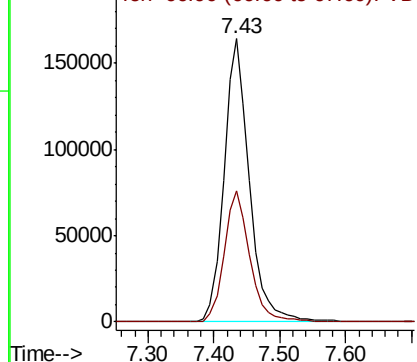
Ion Ratio Lower Upper

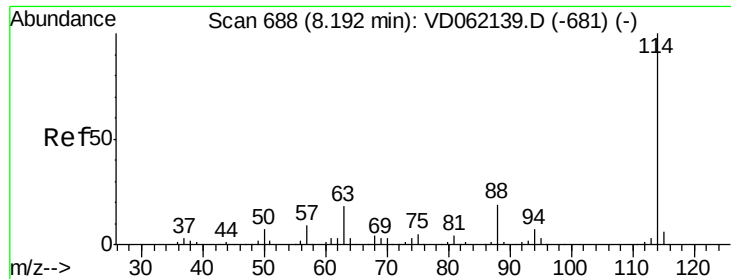
65 100

67 46.3 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

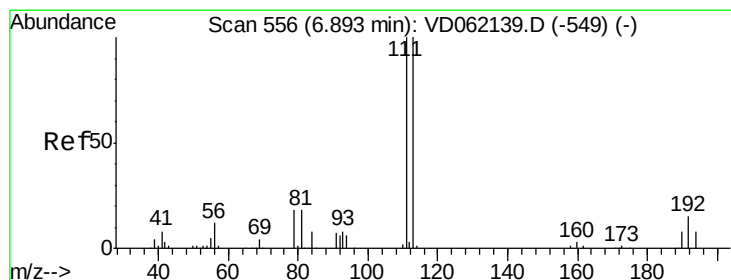
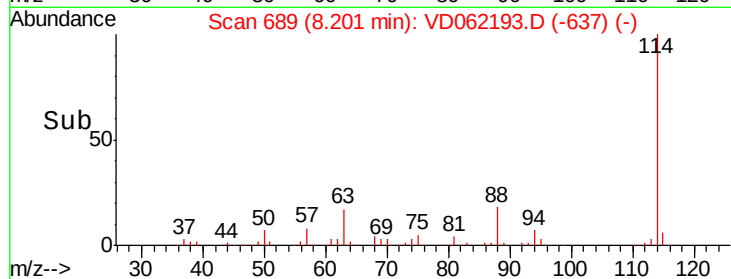
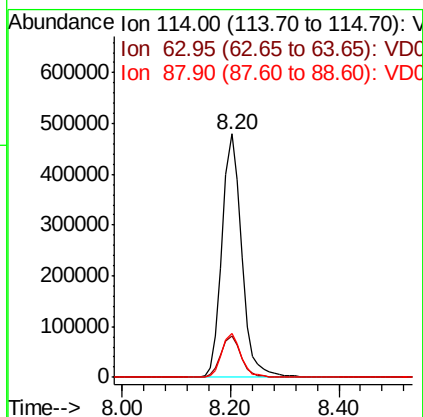
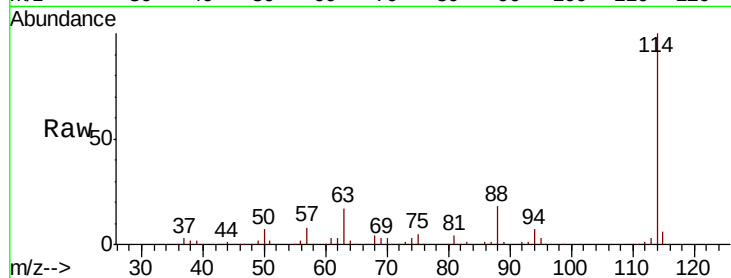




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062193.D
 Acq: 9 May 2019 17:28

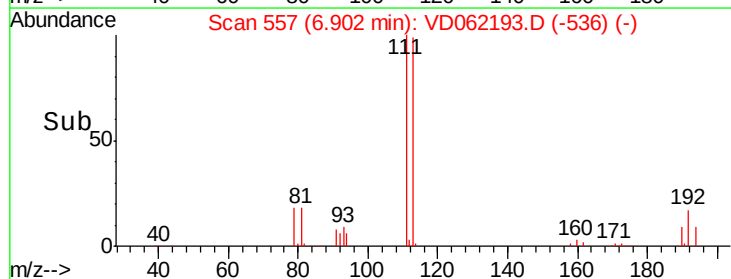
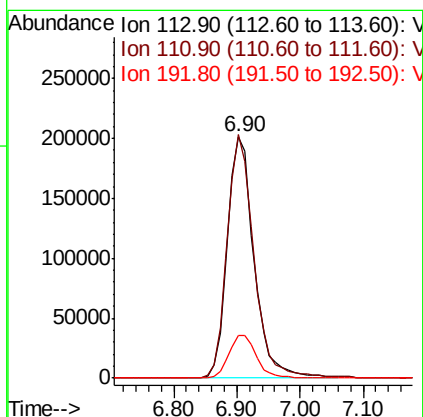
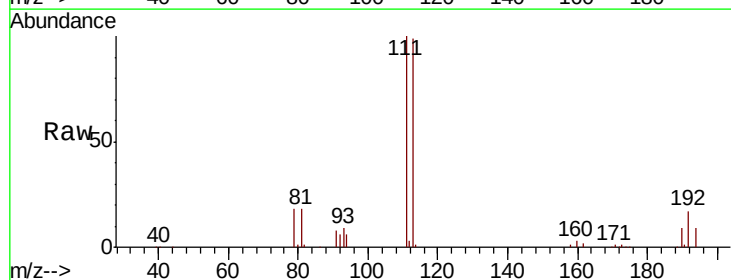
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-0612-01

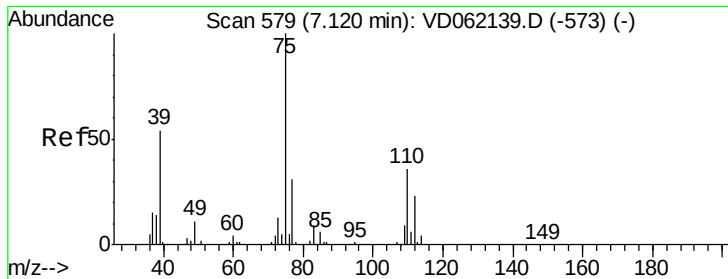
Tgt Ion:114 Resp: 1209110
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 32.4
 88 17.9 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 58.851 ug/l
 RT: 6.90 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD062193.D
 Acq: 9 May 2019 17:28

Tgt Ion:113 Resp: 590397
 Ion Ratio Lower Upper
 113 100
 111 100.8 78.5 117.7
 192 17.6 13.0 19.4

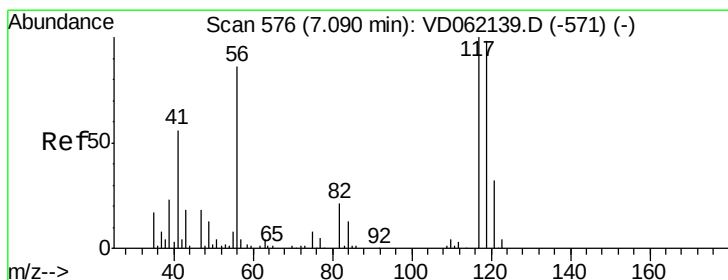
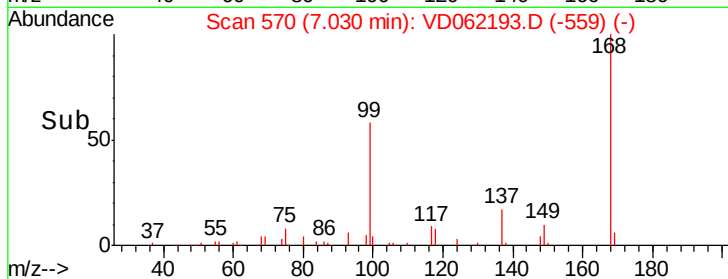
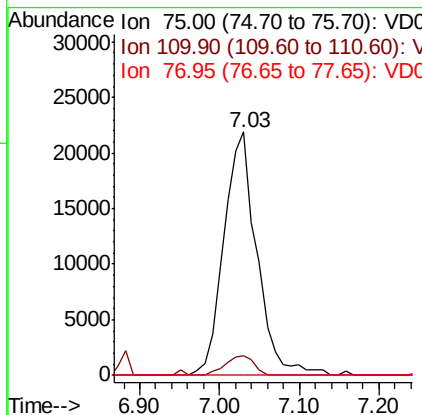
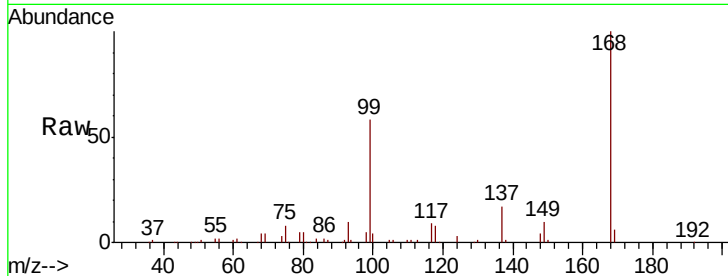




#36
 1,1-Dichloropropene
 Concen: 6.406 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD062193.D
 Acq: 9 May 2019 17:28

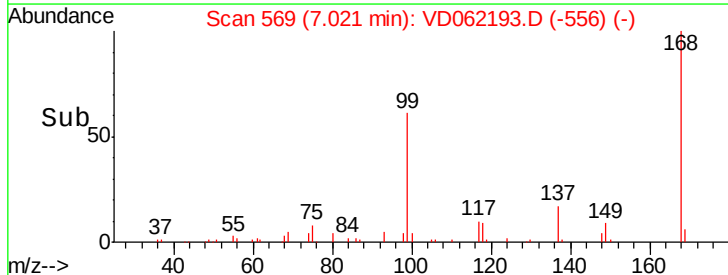
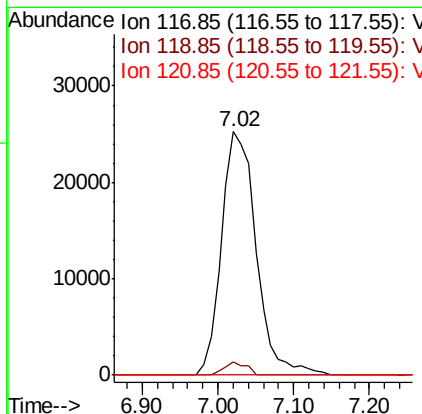
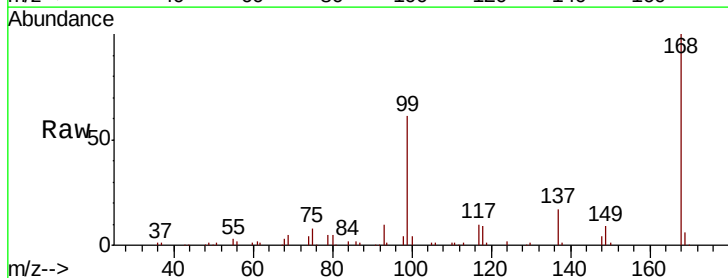
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-0612-01

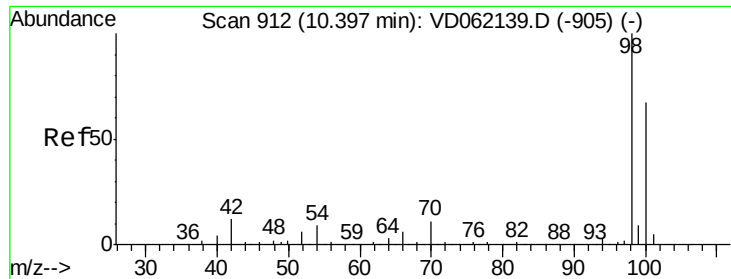
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.825 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.07 min
 Lab File: VD062193.D
 Acq: 9 May 2019 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.8	113.8#
121	0.0	25.9	38.9#

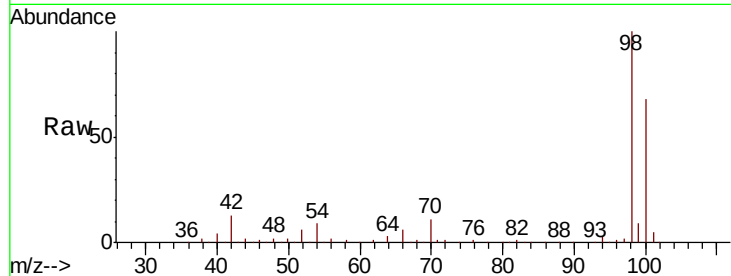




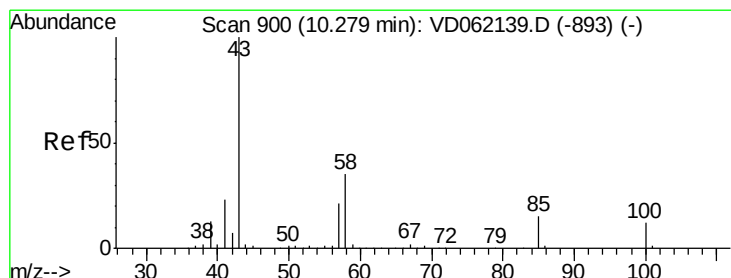
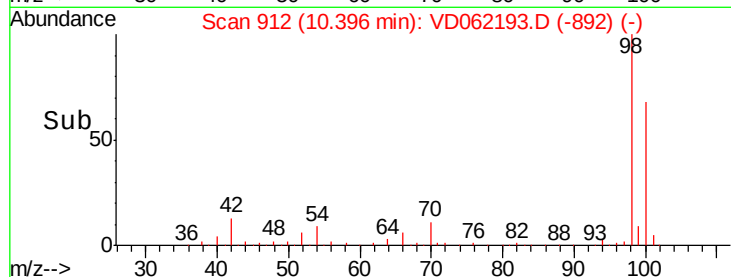
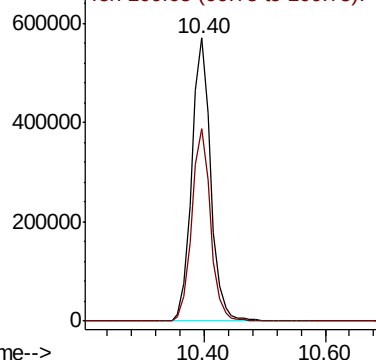
#50
Toluene-d8
Concen: 51.268 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062193.D
Acq: 9 May 2019 17:28

Instrument :
MSVOA_D
ClientSampleId :
P026-SS002-0612-01

Tgt Ion: 98 Resp: 1240091
Ion Ratio Lower Upper
98 100
100 68.1 53.8 80.8

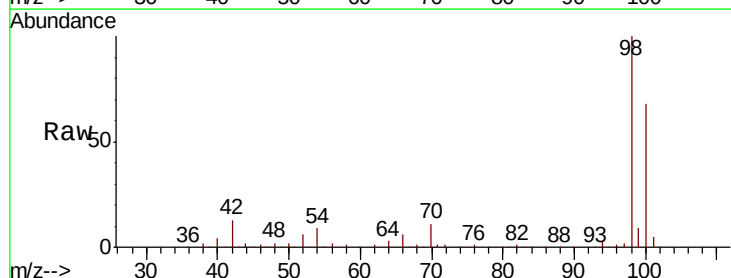


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

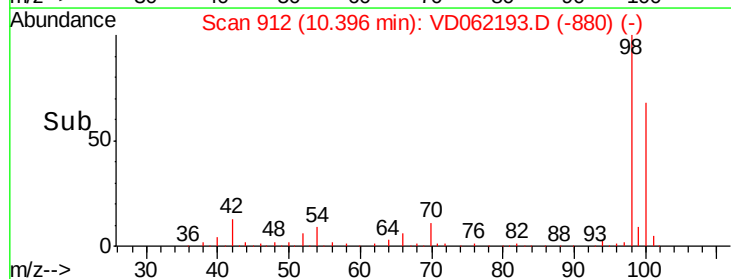
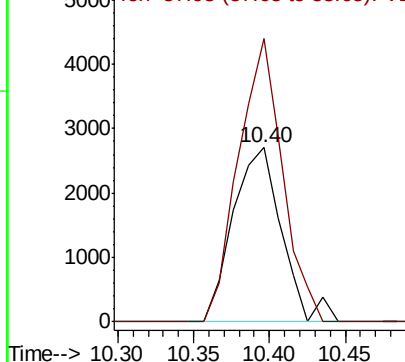


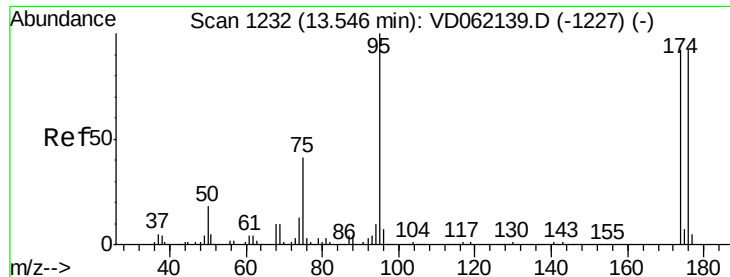
#51
4-Methyl-2-Pentanone
Concen: 1.579 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.12 min
Lab File: VD062193.D
Acq: 9 May 2019 17:28

Tgt Ion: 43 Resp: 6050
Ion Ratio Lower Upper
43 100
58 162.3 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

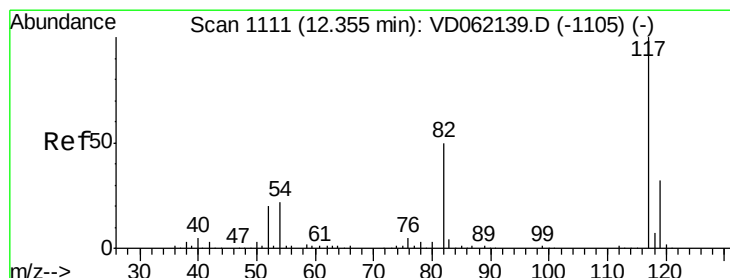
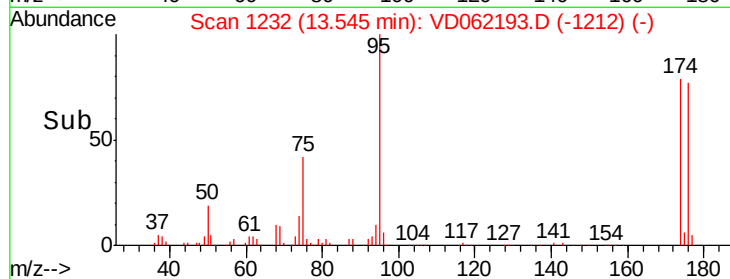
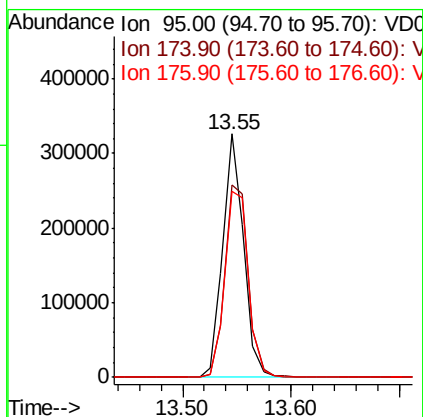
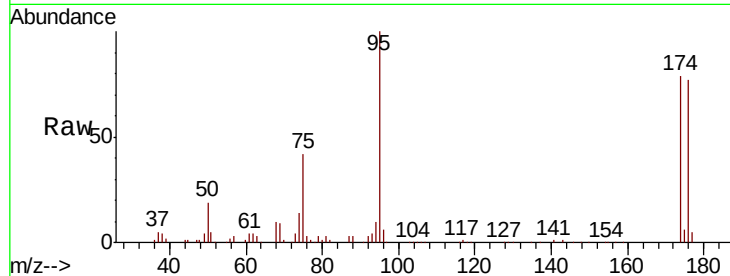




#62
 4-Bromofluorobenzene
 Concen: 44.670 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062193.D
 Acq: 9 May 2019 17:28

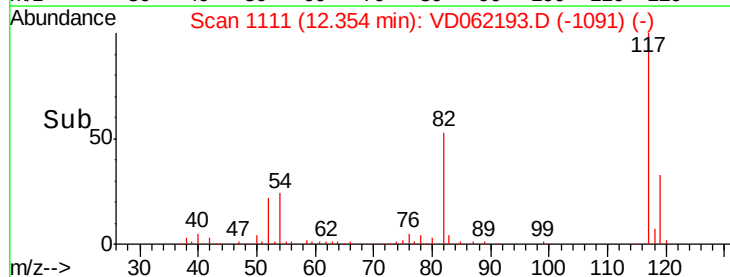
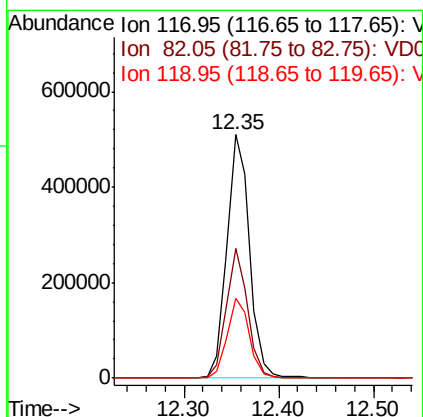
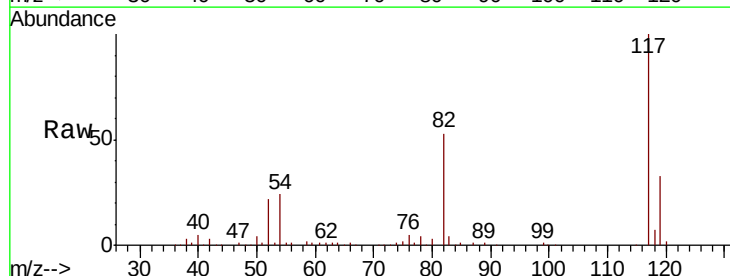
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-0612-01

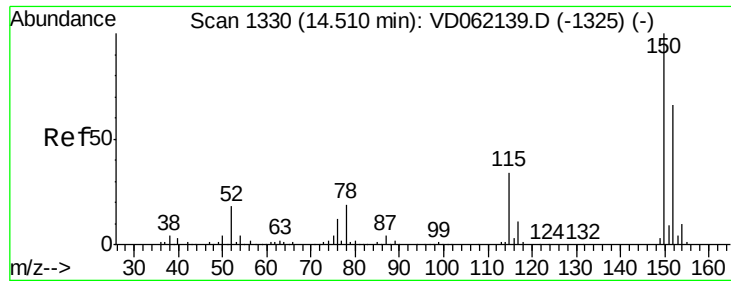
Tgt Ion: 95 Resp: 433881
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 181.8
 176 76.6 0.0 174.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.35 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VD062193.D
 Acq: 9 May 2019 17:28

Tgt Ion: 117 Resp: 837591
 Ion Ratio Lower Upper
 117 100
 82 53.5 36.2 54.2
 119 32.7 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062193.D

Acq: 9 May 2019 17:28

Instrument :

MSVOA_D

ClientSampleId :

P026-SS002-0612-01

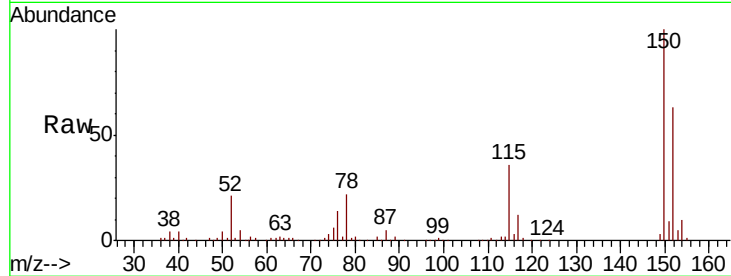
Tgt Ion:152 Resp: 355517

Ion Ratio Lower Upper

152 100

115 58.1 30.9 92.7

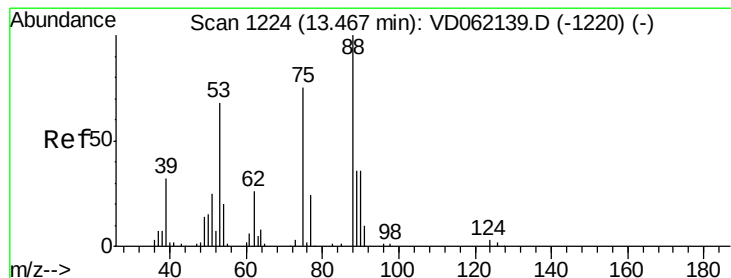
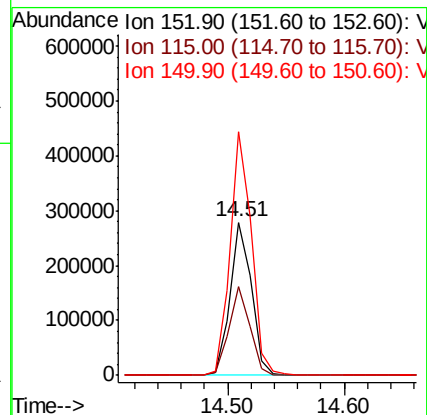
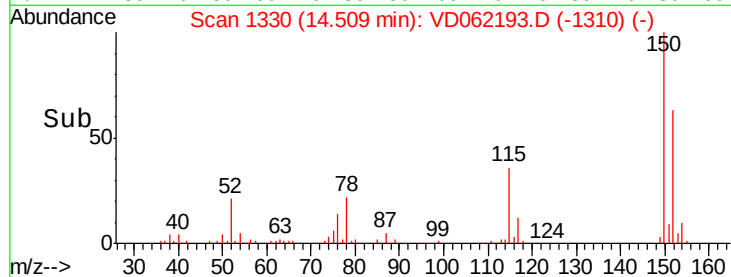
150 159.1 0.0 314.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 148.877 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062193.D

Acq: 9 May 2019 17:28

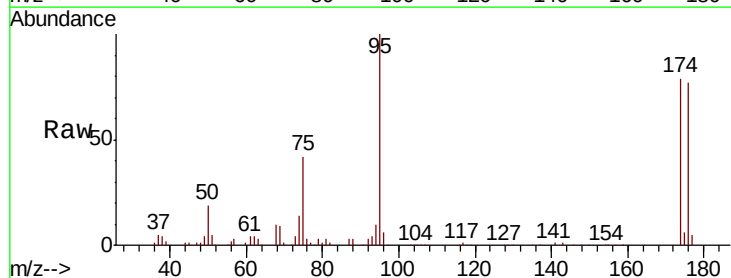
Tgt Ion: 75 Resp: 177573

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

