

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062402.D
 Acq On : 15 May 2019 21:45
 Operator : FY/SY
 Sample : K2865-09
 Misc : 4.14g/5mL/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 16 04:00:07 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	540424	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	744974	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	479725	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	151759	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	229659	45.73	ug/l	0.03
Spiked Amount			Recovery	=	91.46%	
35) Dibromofluoromethane	6.93	113	276065	44.66	ug/l	0.03
Spiked Amount			Recovery	=	89.32%	
50) Toluene-d8	10.41	98	519243	34.84	ug/l	0.01
Spiked Amount			Recovery	=	69.68%	
62) 4-Bromofluorobenzene	13.56	95	164929	27.56	ug/l	0.01
Spiked Amount			Recovery	=	55.12%	

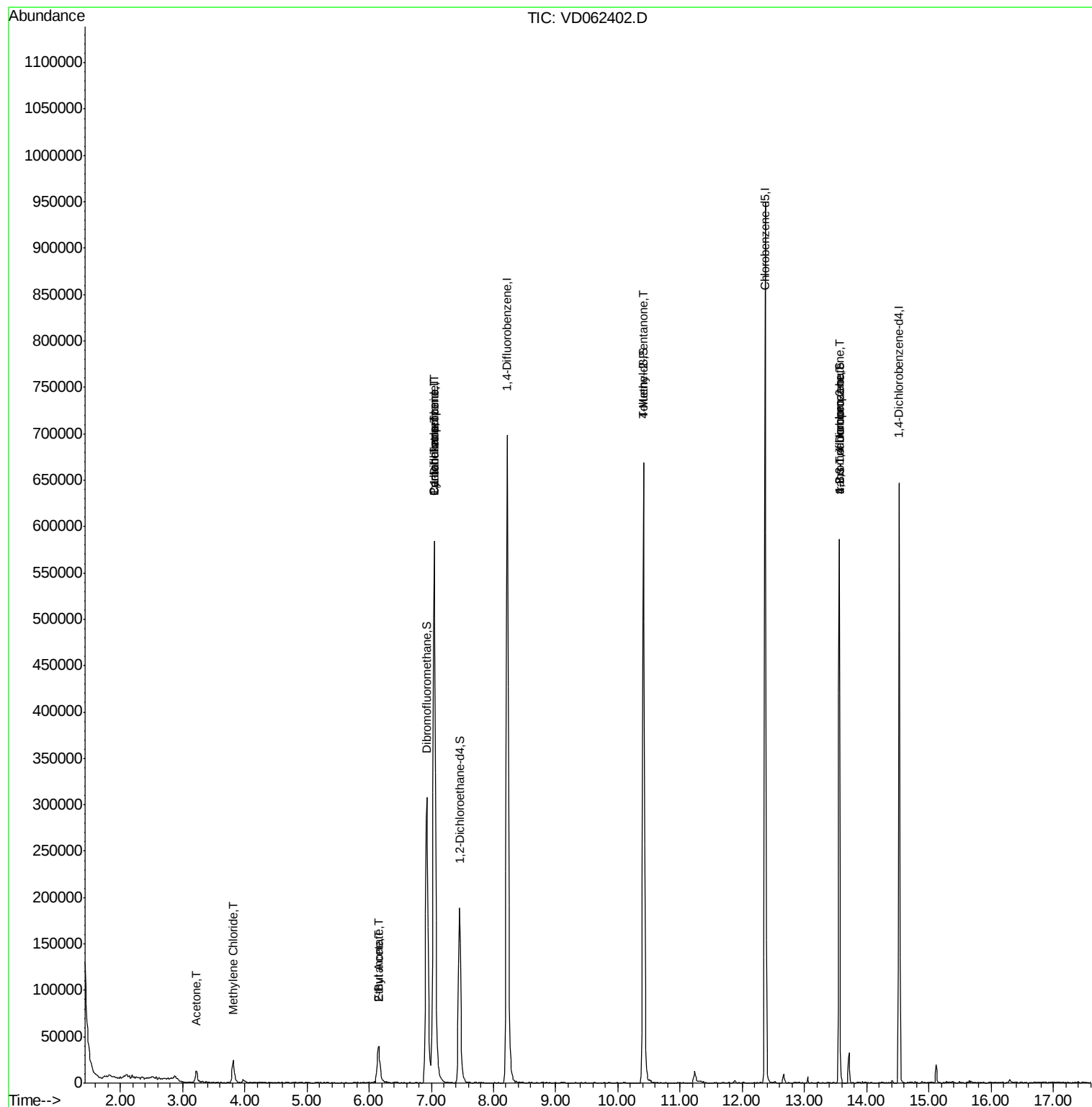
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	25821	24.516	ug/l #	76
20) Methylene Chloride	3.82	84	15089	3.431	ug/l #	78
25) 2-Butanone	6.15	43	2651	2.308	ug/l #	56
31) Cyclohexane	7.03	56	11571	2.196	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	45933	7.520	ug/l #	47
37) Ethyl Acetate	6.15	43	2652	1.024	ug/l #	78
38) Carbon Tetrachloride	7.04	117	56985	6.740	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	3289	1.393	ug/l #	18
76) 1,2,3-Trichloropropane	13.56	75	68864	38.183	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	75456	148.201	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: VD062402.D

Acq: 15 May 2019 21:45

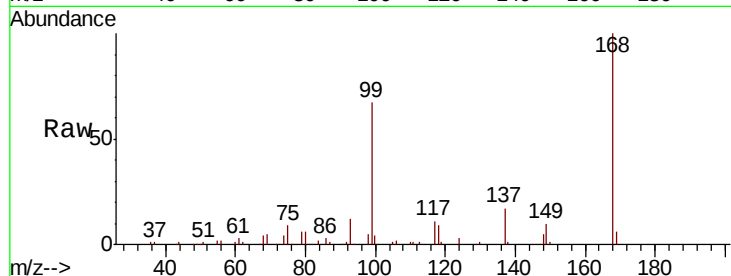
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 540424

Ion Ratio Lower Upper

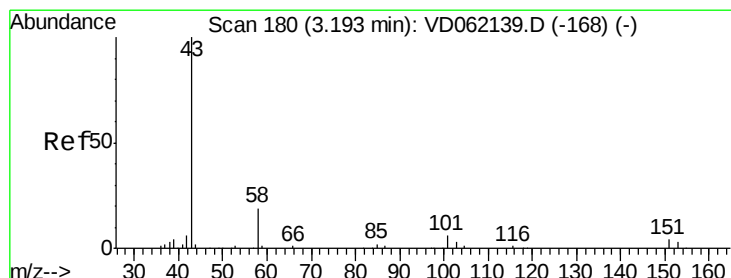
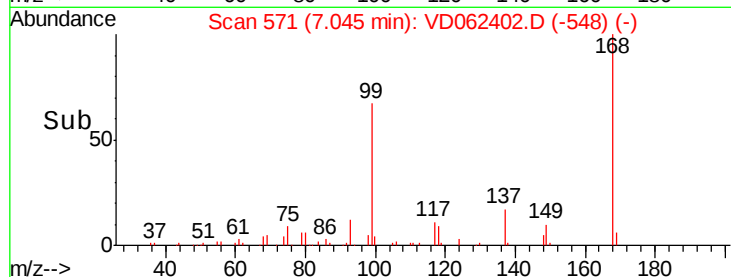
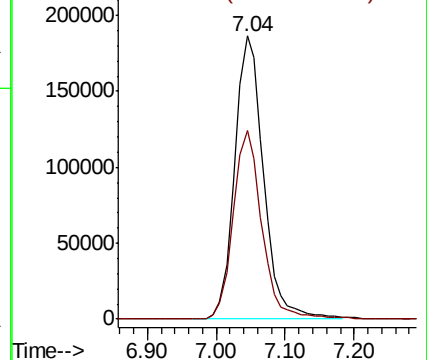
168 100

99 66.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 24.516 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062402.D

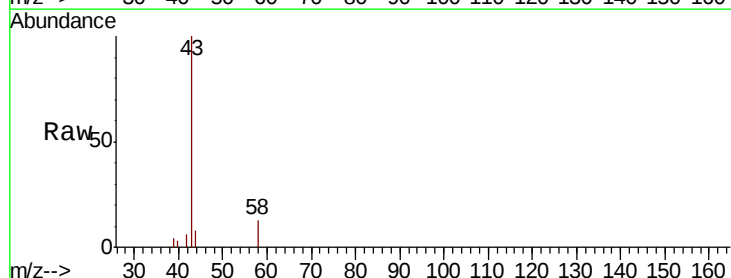
Acq: 15 May 2019 21:45

Tgt Ion: 43 Resp: 25821

Ion Ratio Lower Upper

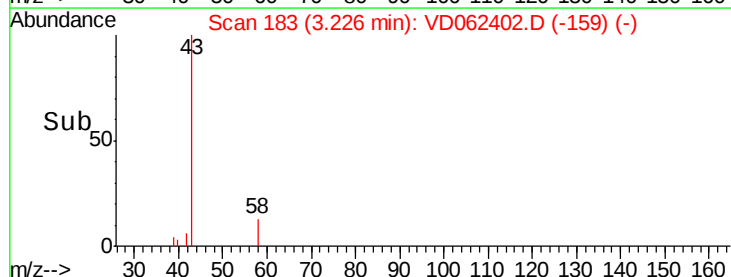
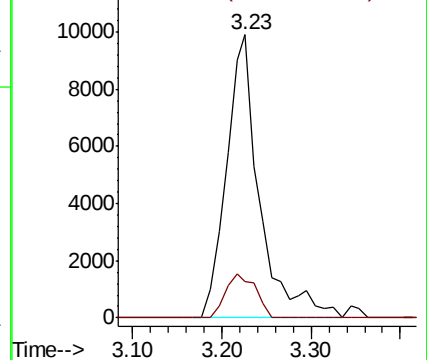
43 100

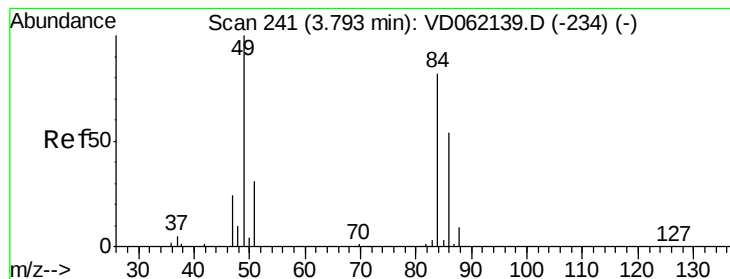
58 12.7 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 3.431 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD062402.D

Acq: 15 May 2019 21:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 15089

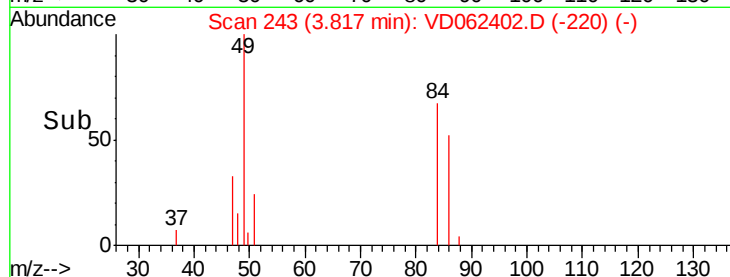
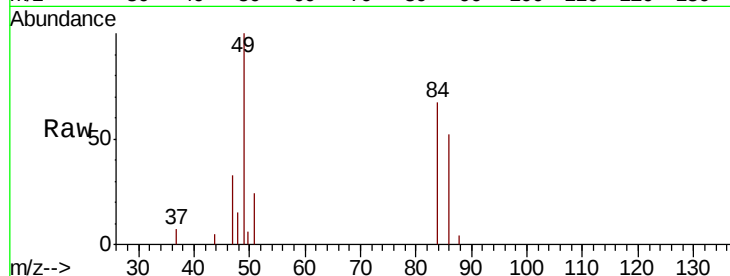
Ion Ratio Lower Upper

84 100

49 149.6 94.0 141.0#

51 35.8 29.0 43.4

86 78.3 49.8 74.6#



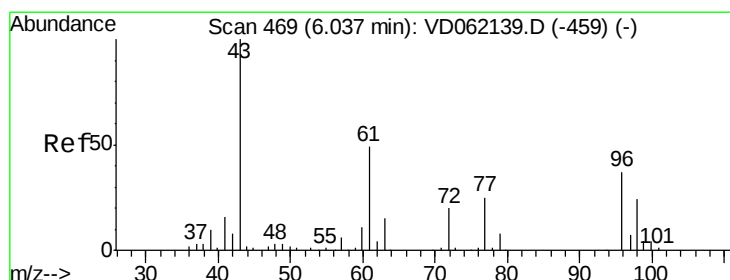
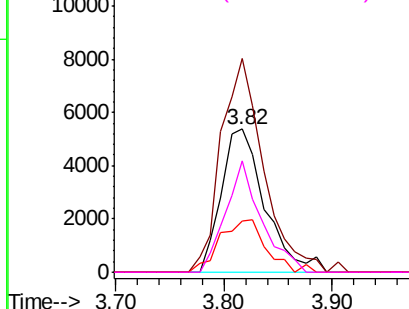
Abundance

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



#25

2-Butanone

Concen: 2.308 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.11 min

Lab File: VD062402.D

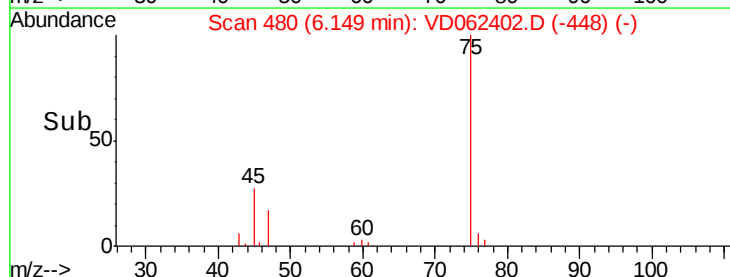
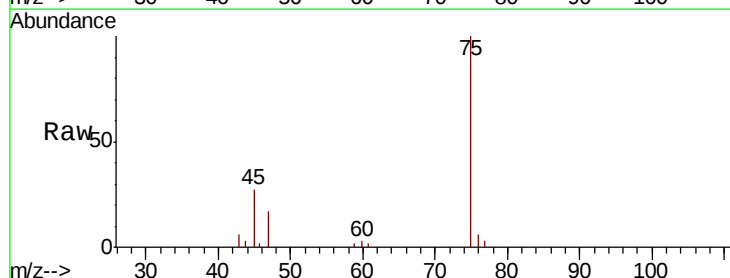
Acq: 15 May 2019 21:45

Tgt Ion: 43 Resp: 2651

Ion Ratio Lower Upper

43 100

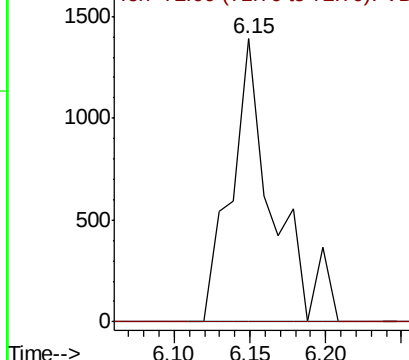
72 0.0 16.2 24.4#

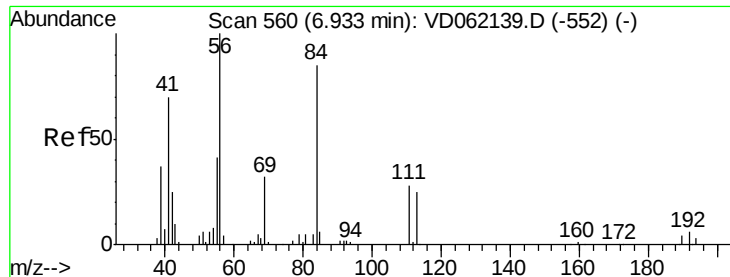


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

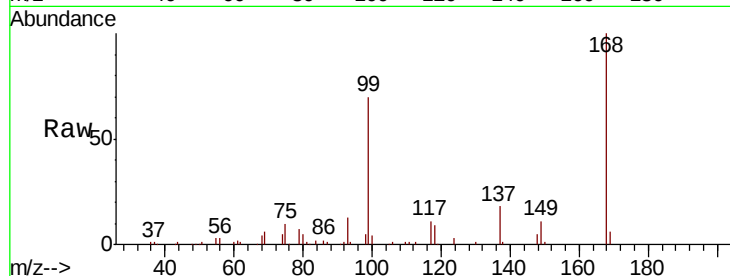




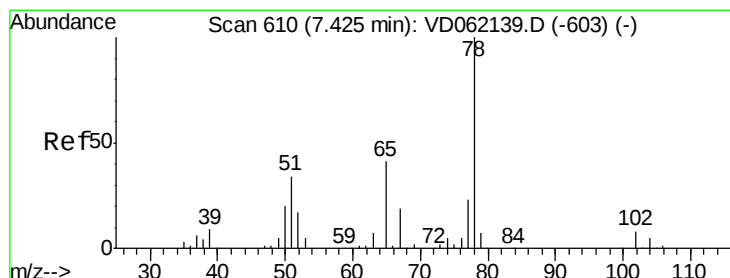
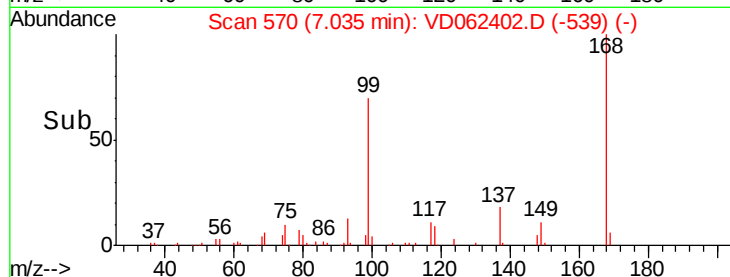
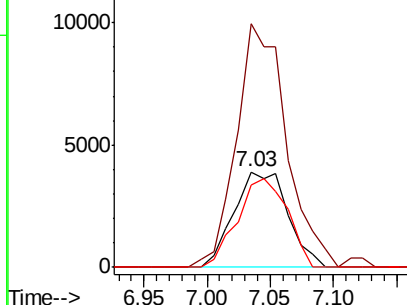
#31
Cvclohexane
Concen: 2.196 ug/l
RT: 7.03 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD062402.D
Acq: 15 May 2019 21:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 11571
Ion Ratio Lower Upper
56 100
69 254.8 25.8 38.6#
84 86.6 72.2 108.4

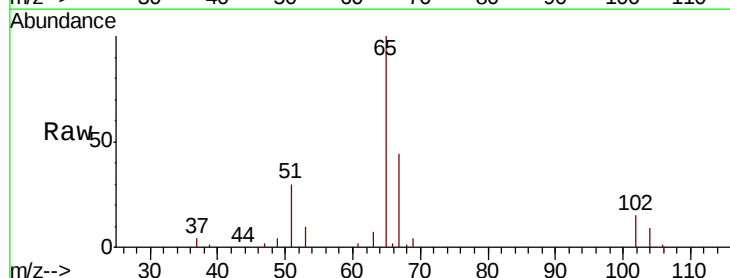


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

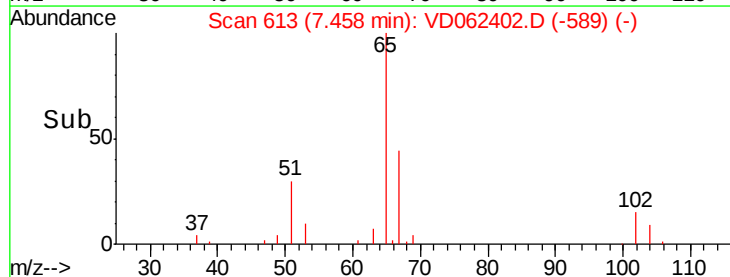
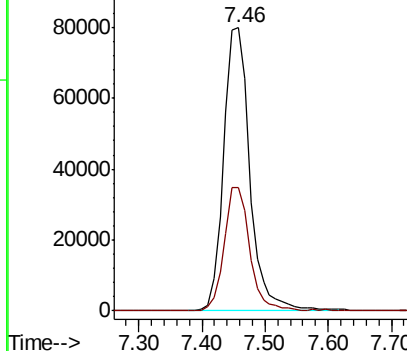


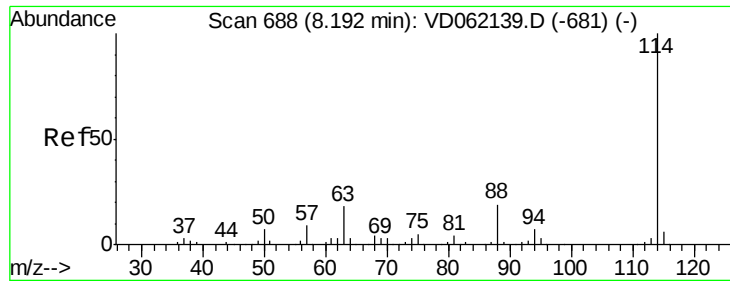
#33
1,2-Dichloroethane-d4
Concen: 45.729 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.03 min
Lab File: VD062402.D
Acq: 15 May 2019 21:45

Tgt Ion: 65 Resp: 229659
Ion Ratio Lower Upper
65 100
67 43.8 0.0 98.0



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

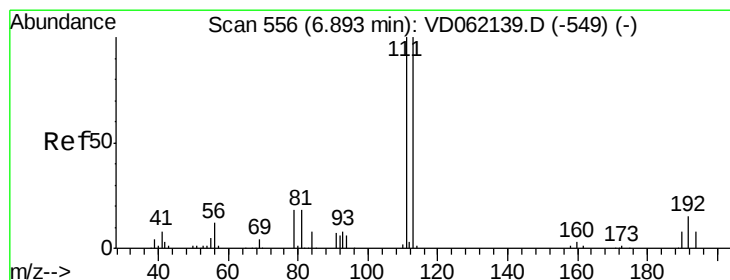
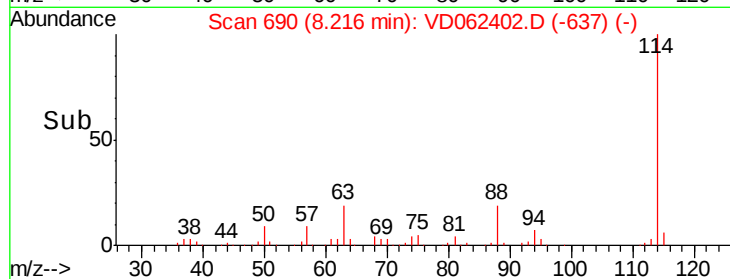
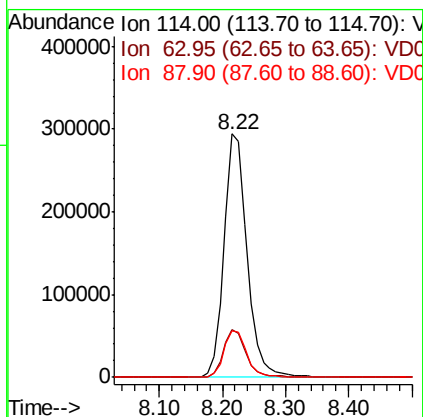
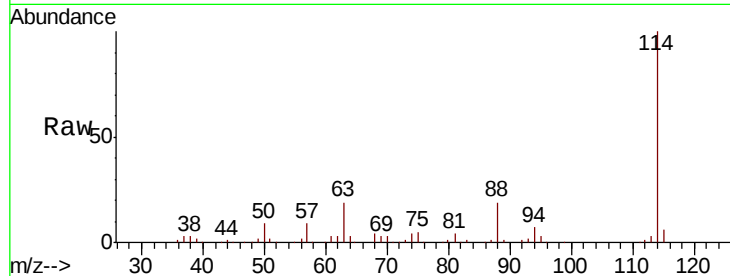




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD062402.D
 Acq: 15 May 2019 21:45

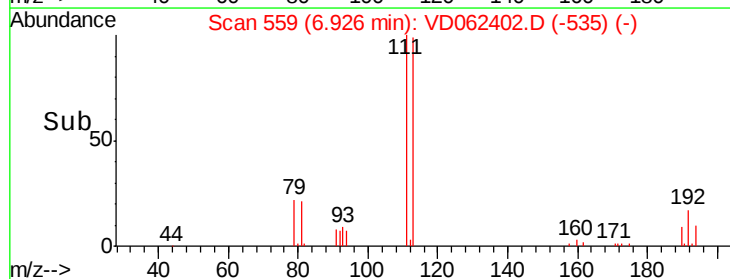
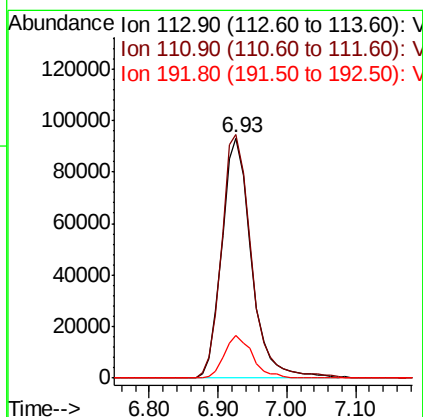
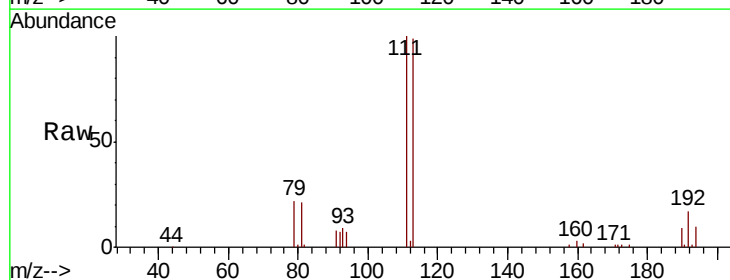
Instrument :
 MSVOA_D
 ClientSampleId :

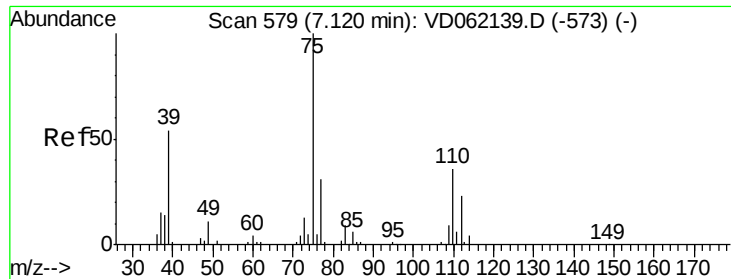
Tot Ion:114 Resp: 744974
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 32.4
 88 19.3 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 44.663 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062402.D
 Acq: 15 May 2019 21:45

Tgt Ion:113 Resp: 276065
 Ion Ratio Lower Upper
 113 100
 111 101.5 78.5 117.7
 192 17.6 13.0 19.4





#36

1,1-Dichloropropene

Concen: 7.520 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062402.D

Acq: 15 May 2019 21:45

Instrument :

MSVOA_D

ClientSampleId :

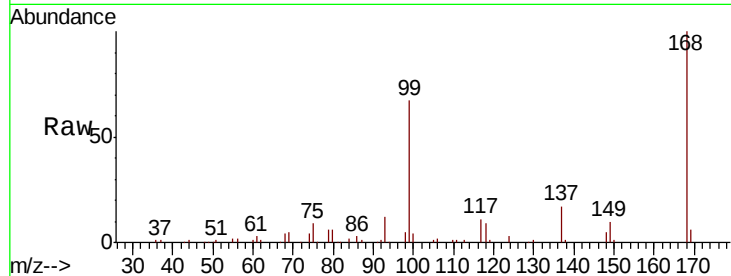
Tot Ion: 75 Resp: 45933

Ion Ratio Lower Upper

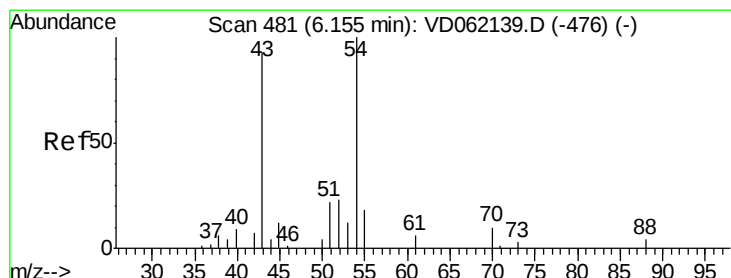
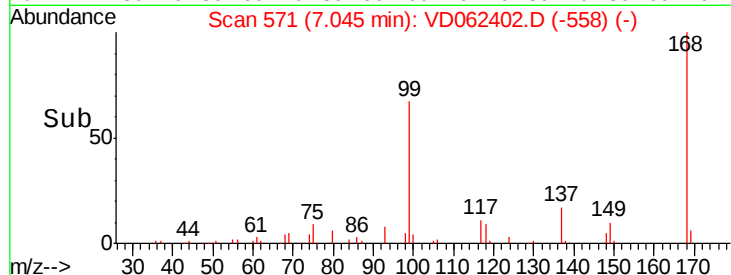
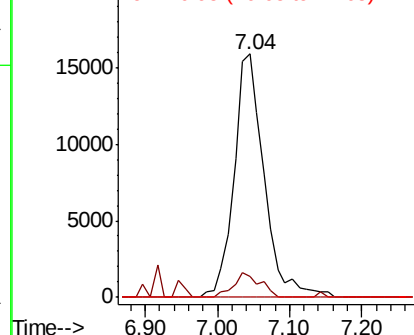
75 100

110 8.7 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): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.024 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.01 min

Lab File: VD062402.D

Acq: 15 May 2019 21:45

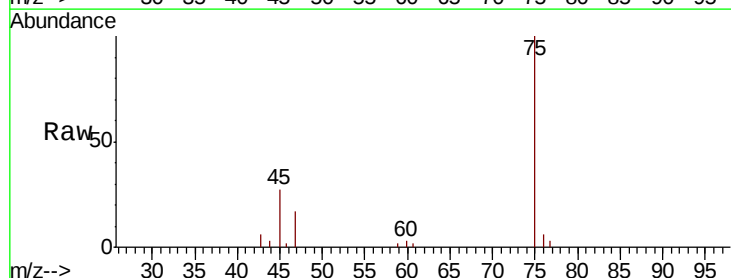
Tgt Ion: 43 Resp: 2652

Ion Ratio Lower Upper

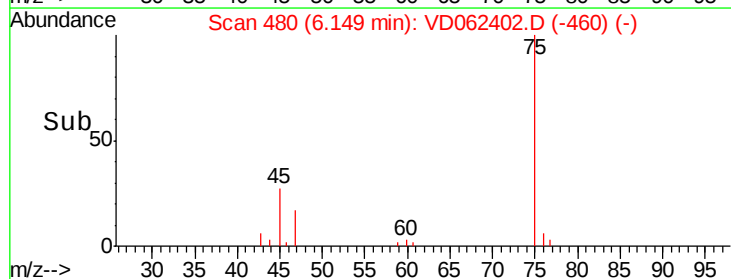
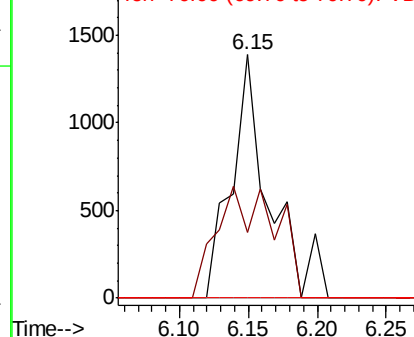
43 100

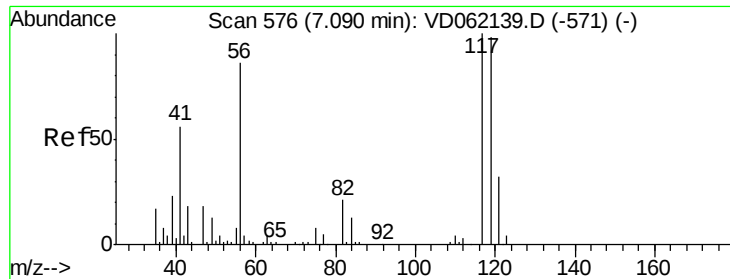
61 27.1 14.7 22.1#

70 0.0 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.740 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD062402.D

Acq: 15 May 2019 21:45

Instrument :

MSVOA_D

ClientSampleId :

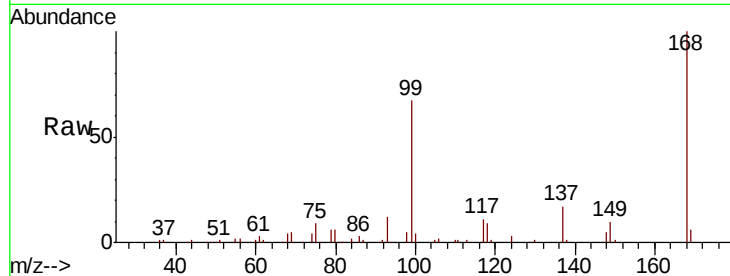
Tot Ion:117 Resp: 56985

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

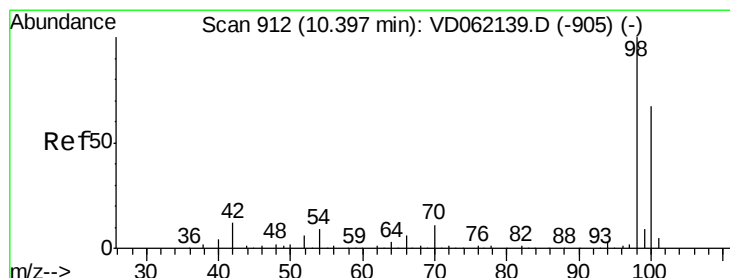
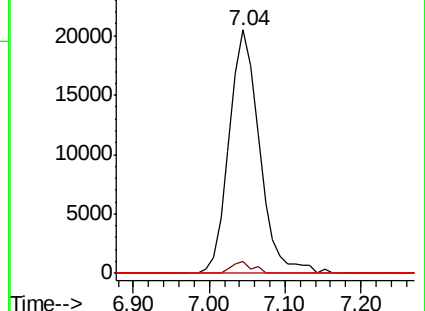
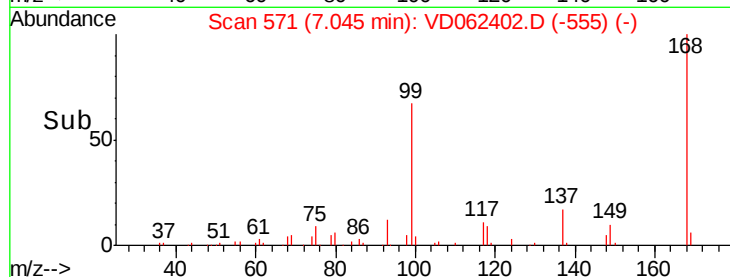
121 0.0 25.9 38.9#



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: 34.841 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD062402.D

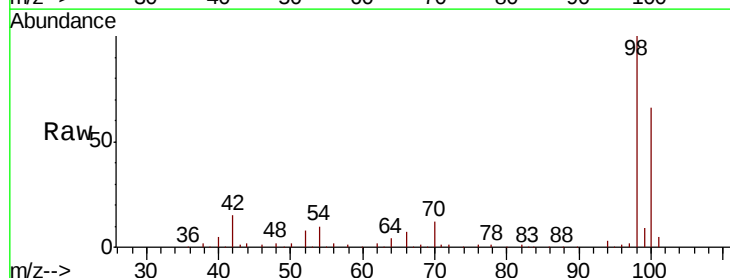
Acq: 15 May 2019 21:45

Tgt Ion: 98 Resp: 519243

Ion Ratio Lower Upper

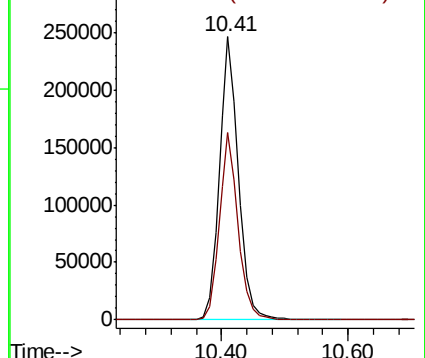
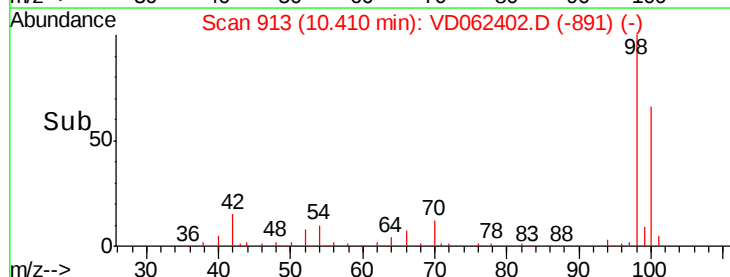
98 100

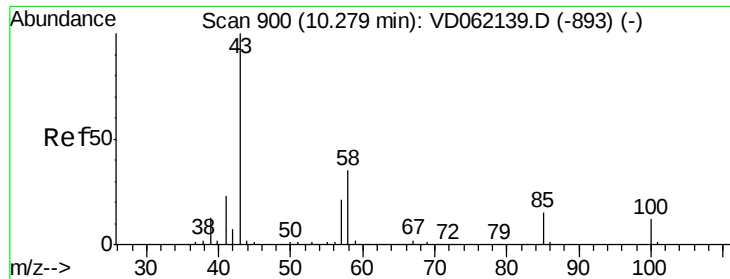
100 66.1 53.8 80.8



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: 1.393 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062402.D

Acq: 15 May 2019 21:45

Instrument :

MSVOA_D

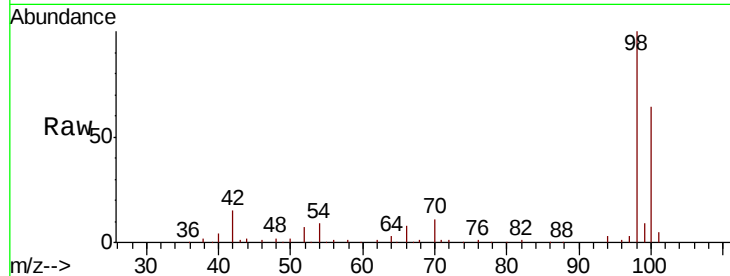
ClientSampled :

Tot Ion: 43 Resp: 3289

Ion Ratio Lower Upper

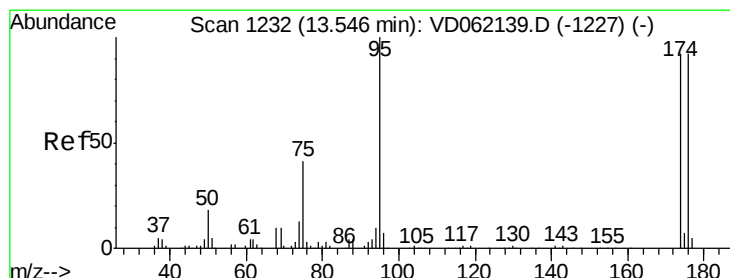
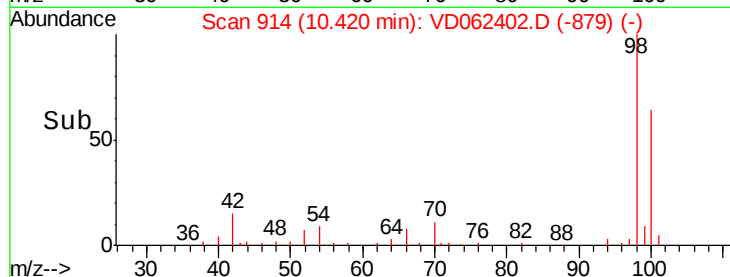
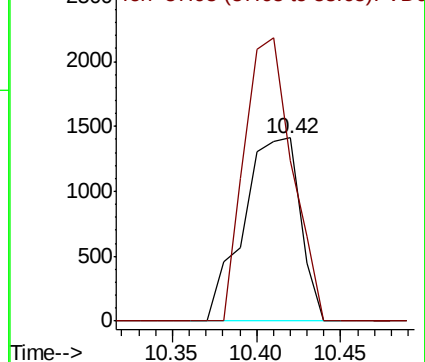
43 100

58 87.5 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: 27.559 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062402.D

Acq: 15 May 2019 21:45

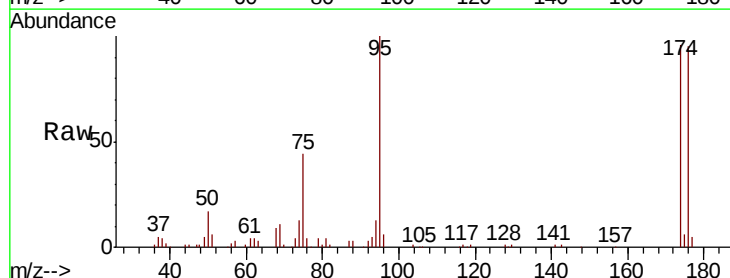
Tgt Ion: 95 Resp: 164929

Ion Ratio Lower Upper

95 100

174 96.0 0.0 181.8

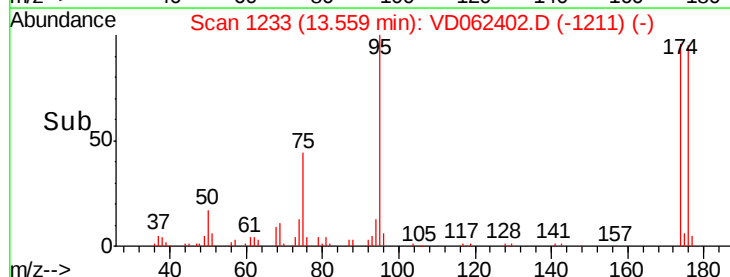
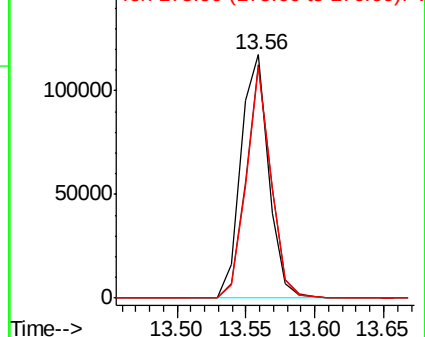
176 95.0 0.0 174.4

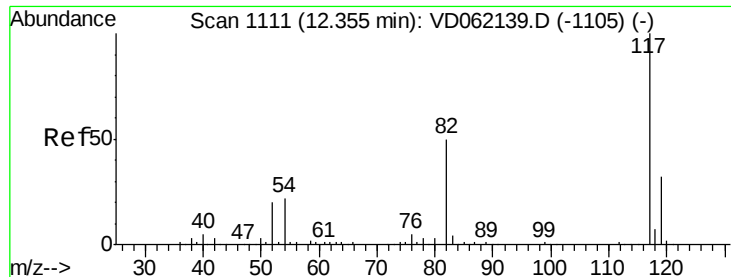


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

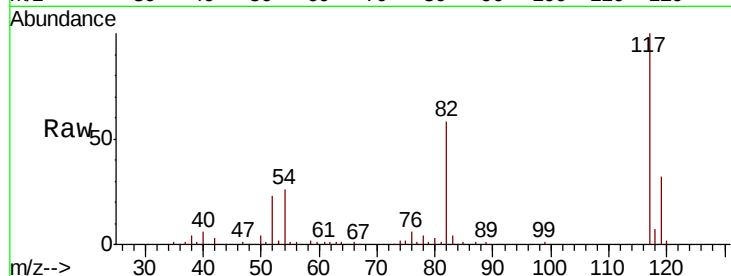




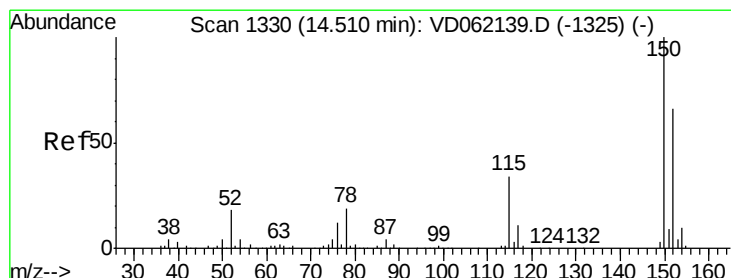
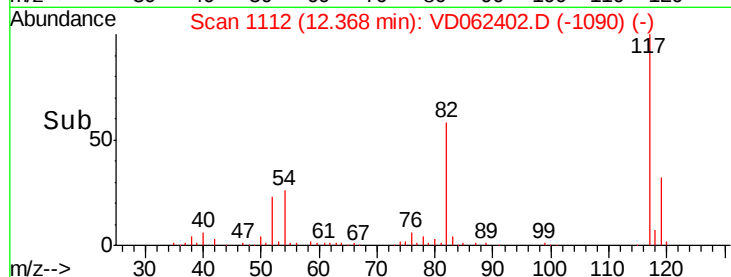
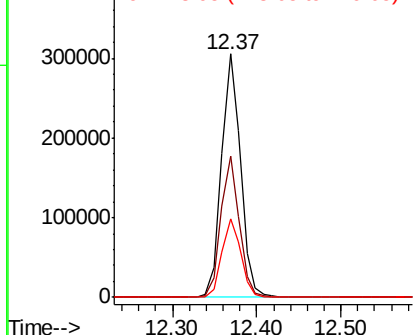
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062402.D
Acq: 15 May 2019 21:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 479725
Ion Ratio Lower Upper
117 100
82 58.0 36.2 54.2#
119 32.3 26.2 39.4

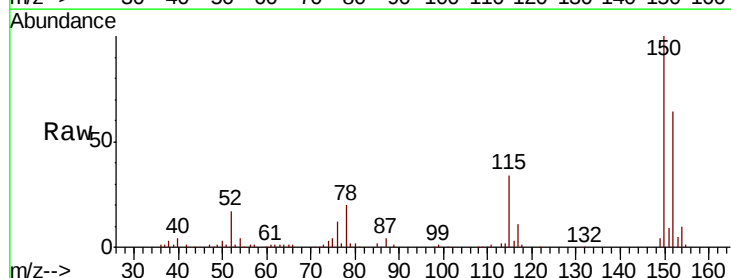


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

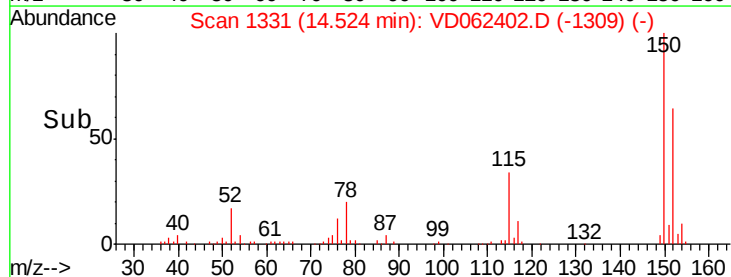
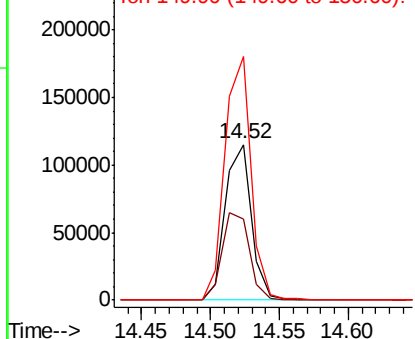


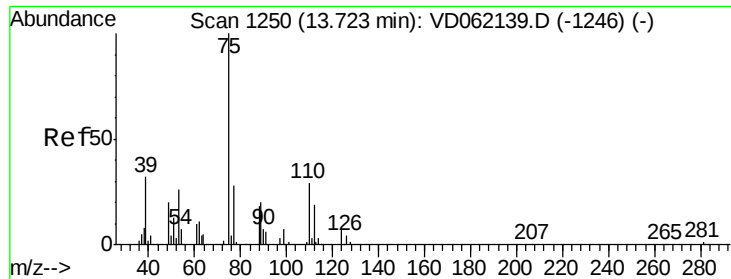
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062402.D
Acq: 15 May 2019 21:45

Tgt Ion:152 Resp: 151759
Ion Ratio Lower Upper
152 100
115 52.4 30.9 92.7
150 156.2 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: 38.183 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062402.D

Acq: 15 May 2019 21:45

Instrument :

MSVOA_D

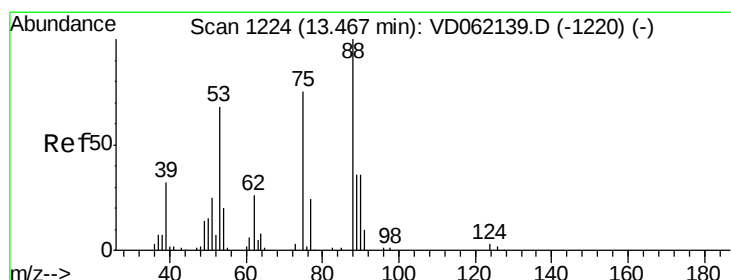
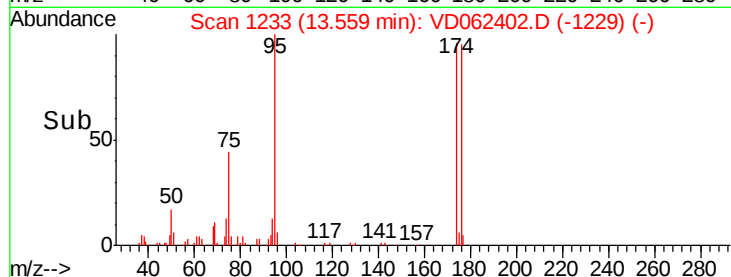
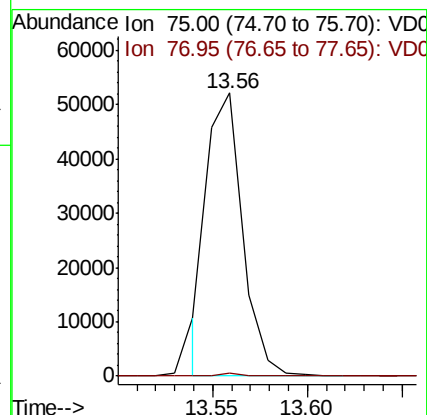
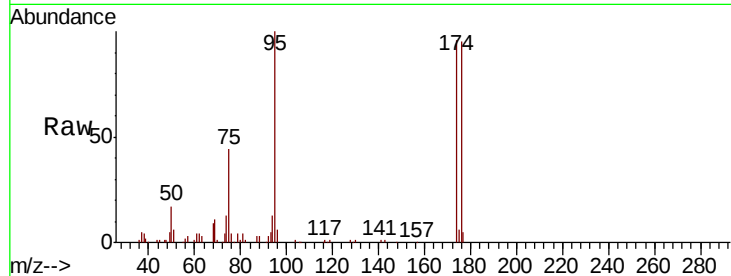
ClientSampleId :

Tot Ion: 75 Resp: 68864

Ion Ratio Lower Upper

75 100

77 1.0 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.201 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062402.D

Acq: 15 May 2019 21:45

Tgt Ion: 75 Resp: 75456

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

