

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062401.D
 Acq On : 15 May 2019 21:17
 Operator : FY/SY
 Sample : K2865-05
 Misc : 2.49g/5mL/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 16 03:59:57 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	7.05	168	450464	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	583623	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	311857	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	58440	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	220983	52.79	ug/l	0.03
Spiked Amount			Recovery	=	105.58%	
35) Dibromofluoromethane	6.93	113	263917	54.50	ug/l	0.03
Spiked Amount			Recovery	=	109.00%	
50) Toluene-d8	10.41	98	436746	37.41	ug/l	0.01
Spiked Amount			Recovery	=	74.82%	
62) 4-Bromofluorobenzene	13.56	95	94517	20.16	ug/l	0.01
Spiked Amount			Recovery	=	40.32%	

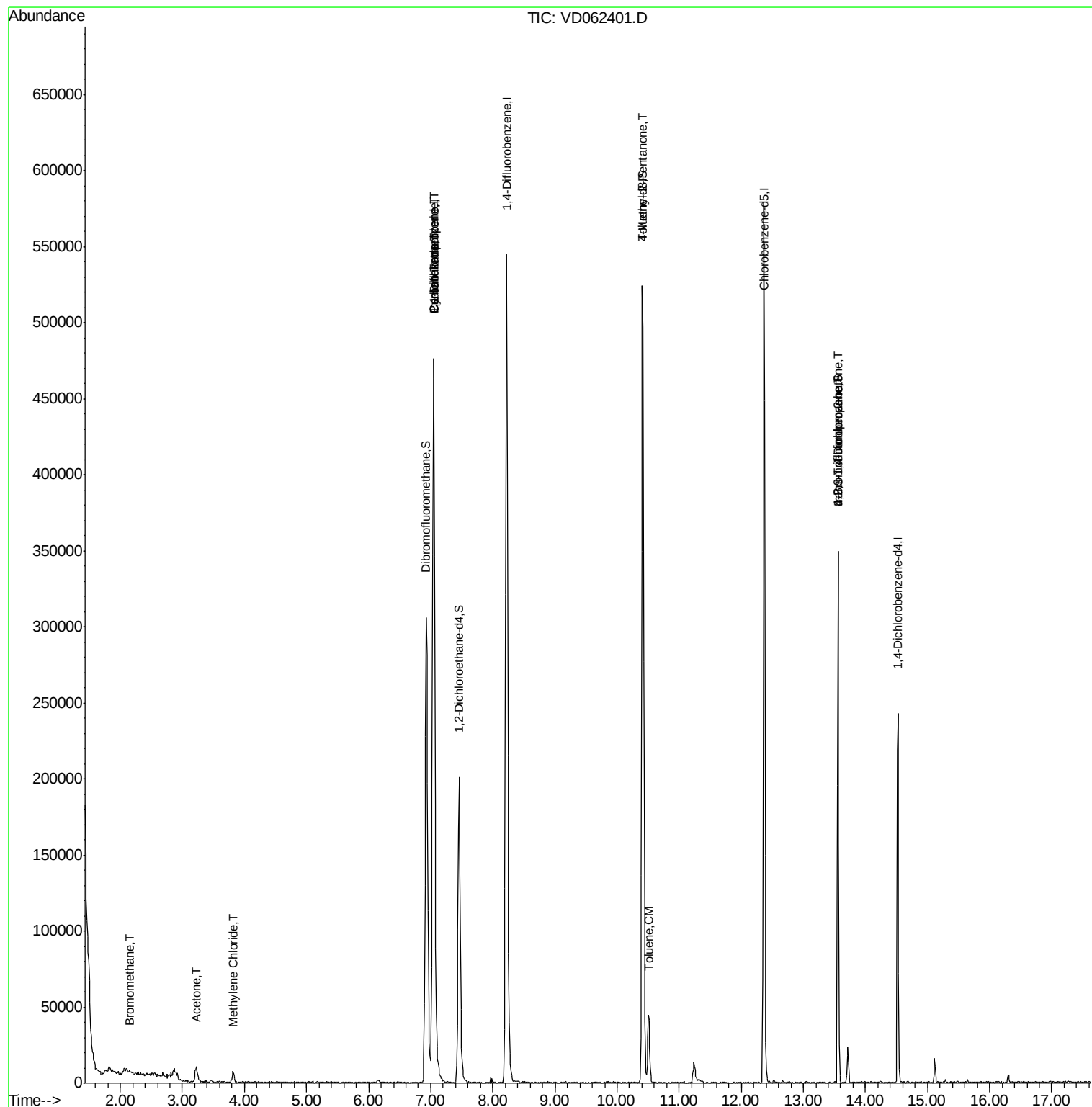
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	782	1.091	ug/l #	12
16) Acetone	3.22	43	20890	23.796	ug/l #	87
18) Methyl Acetate	3.66	43	389	Below Cal	#	53
20) Methylene Chloride	3.82	84	4472	1.220	ug/l #	85
31) Cyclohexane	7.04	56	10250	2.334	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	35850	7.492	ug/l #	46
38) Carbon Tetrachloride	7.05	117	48703	7.354	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	2596	1.403	ug/l #	1
52) Toluene	10.51	92	24626	3.503	ug/l	99
76) 1,2,3-Trichloropropane	13.56	75	38609	55.591	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	40755	207.865	ug/l #	16

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

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Instrument :
MSVOA_D
ClientSampled :

Quant Time: May 16 03:59:57 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: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062401.D

Acq: 15 May 2019 21:17

Instrument :

MSVOA_D

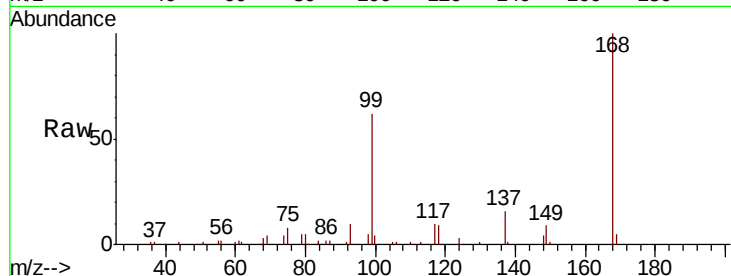
ClientSampleId :

Tot Ion:168 Resp: 450464

Ion Ratio Lower Upper

168 100

99 61.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

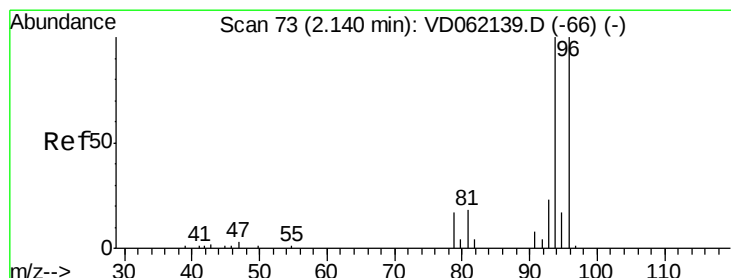
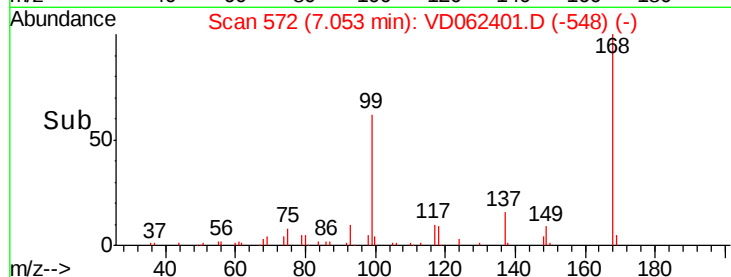
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.091 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062401.D

Acq: 15 May 2019 21:17

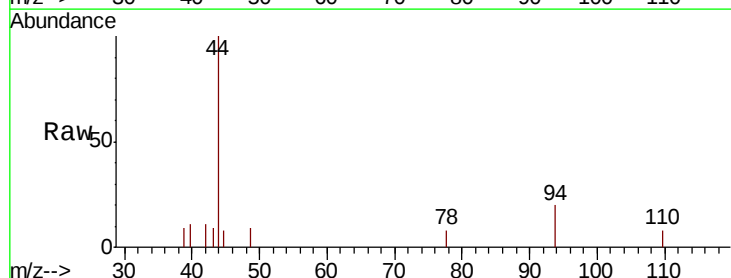
Tgt Ion: 94 Resp: 782

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

2.14

1000

800

600

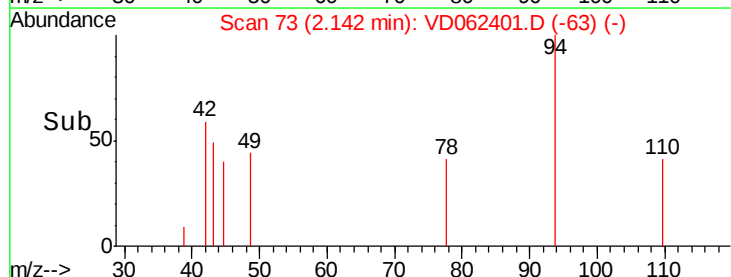
400

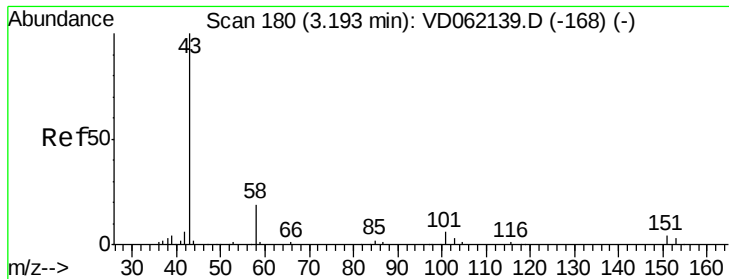
200

0

Time-->

2.10 2.12 2.14 2.16 2.18

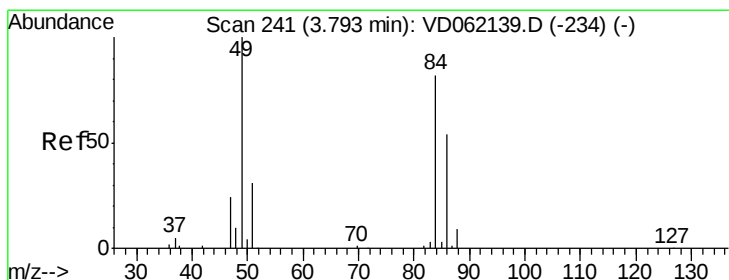
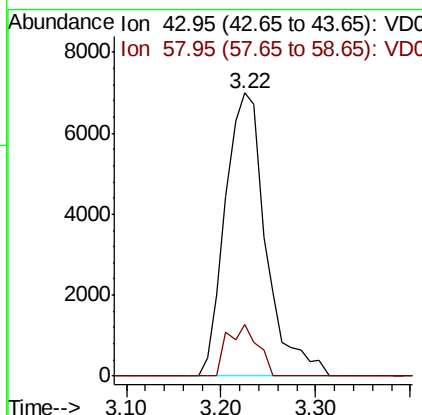
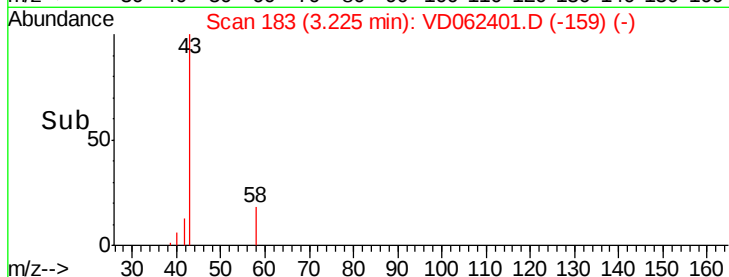
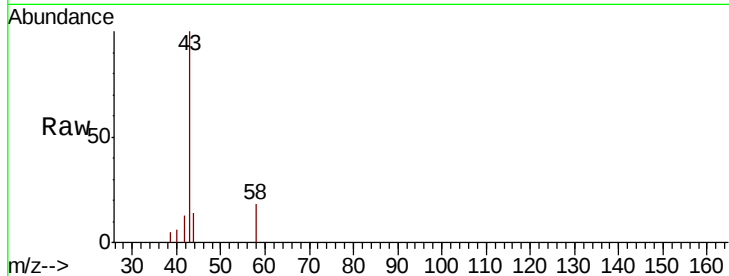




#16
Acetone
Concen: 23.796 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD062401.D
Acq: 15 May 2019 21:17

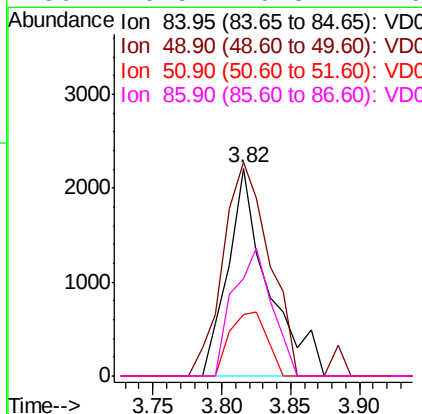
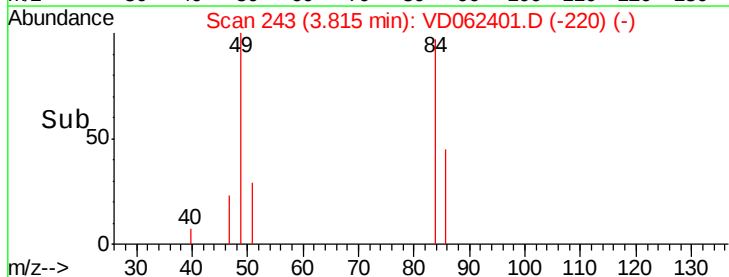
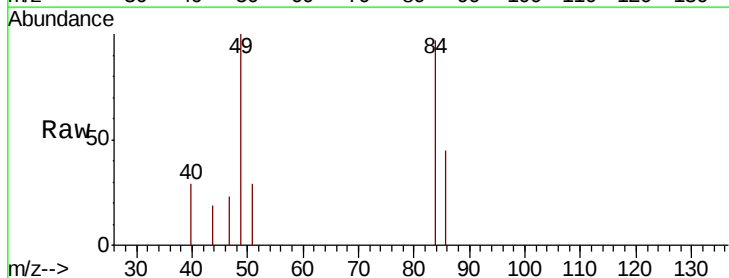
Instrument :
MSVOA_D
ClientSampleId :

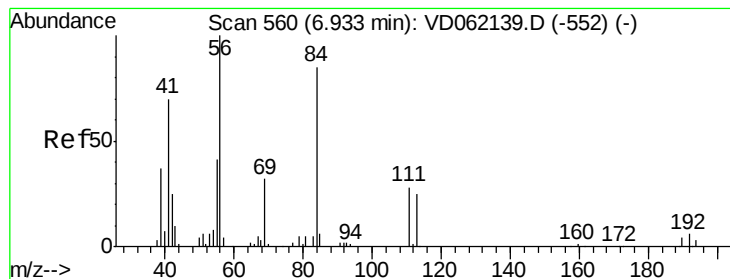
Tot Ion: 43 Resp: 20890
Ion Ratio Lower Upper
43 100
58 18.4 19.9 29.9#



#20
Methylene Chloride
Concen: 1.220 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062401.D
Acq: 15 May 2019 21:17

Tgt Ion: 84 Resp: 4472
Ion Ratio Lower Upper
84 100
49 102.7 94.0 141.0
51 29.4 29.0 43.4
86 46.5 49.8 74.6#





#31

Cvclohexane

Concen: 2.334 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD062401.D

Acq: 15 May 2019 21:17

Instrument :
MSVOA_D
ClientSampled :

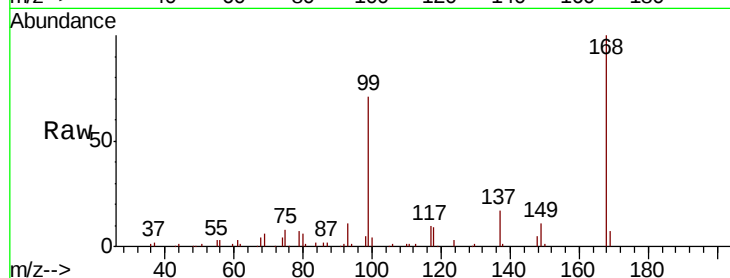
Tot Ion: 56 Resp: 10250

Ion Ratio Lower Upper

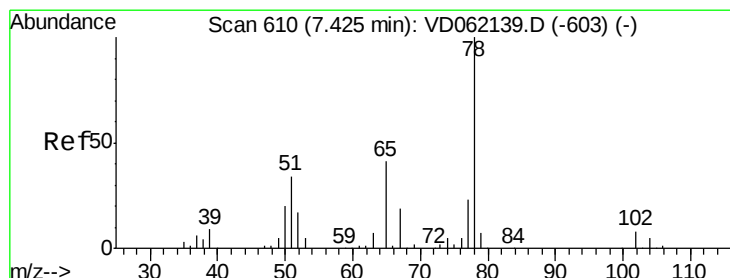
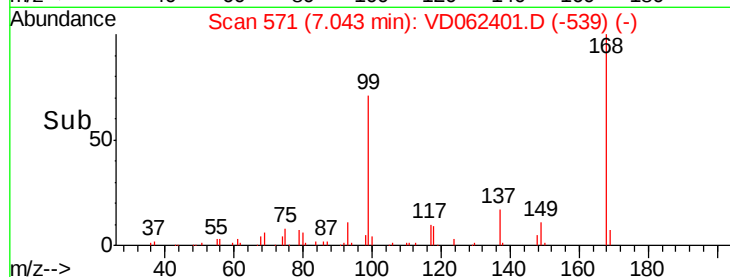
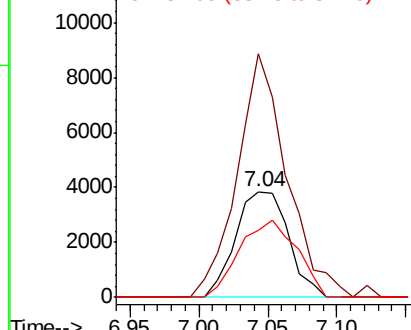
56 100

69 231.1 25.8 38.6#

84 64.2 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: 52.788 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062401.D

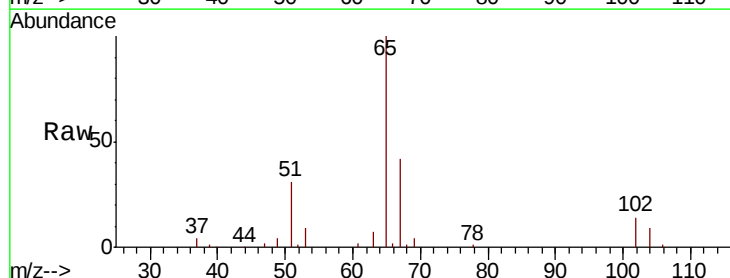
Acq: 15 May 2019 21:17

Tgt Ion: 65 Resp: 220983

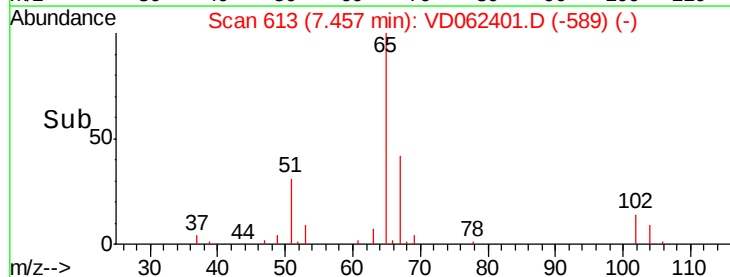
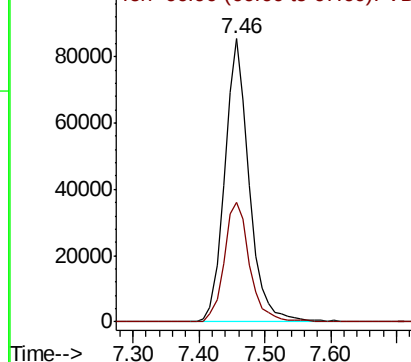
Ion Ratio Lower Upper

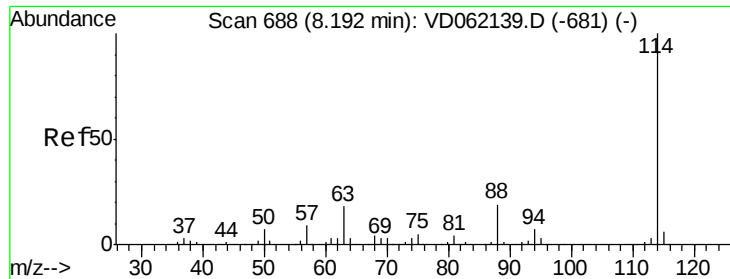
65 100

67 42.1 0.0 98.0



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

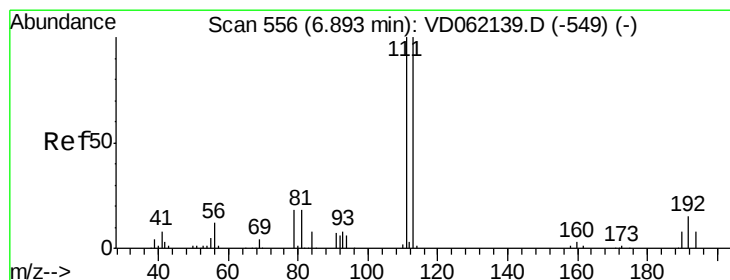
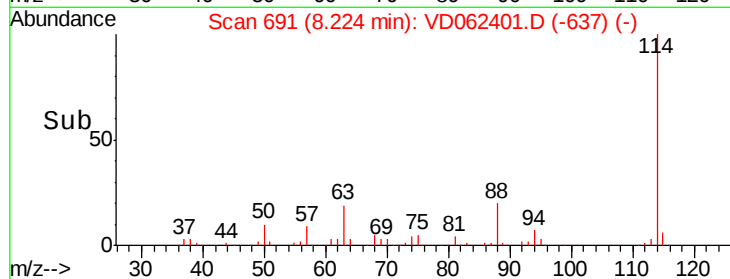
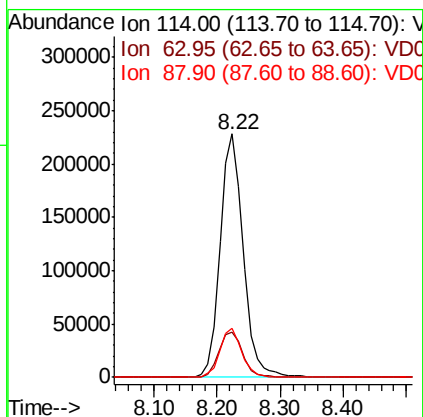
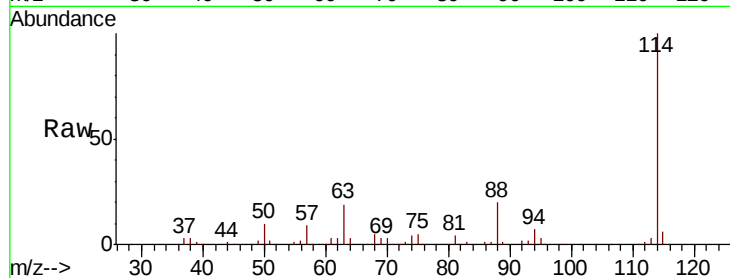




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062401.D
 Acq: 15 May 2019 21:17

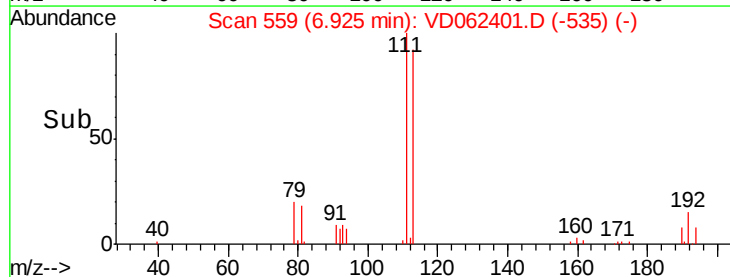
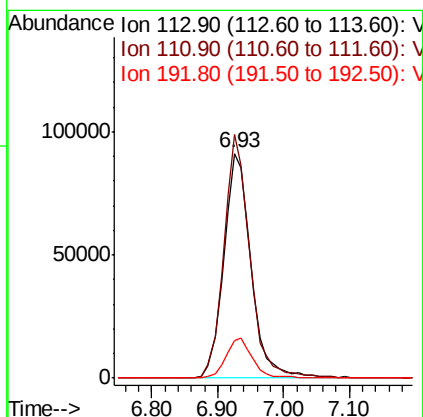
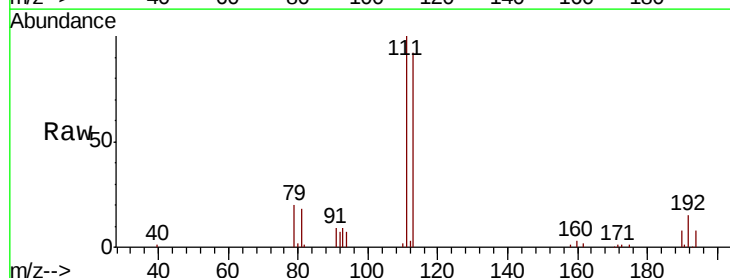
Instrument :
 MSVOA_D
 ClientSampleId :

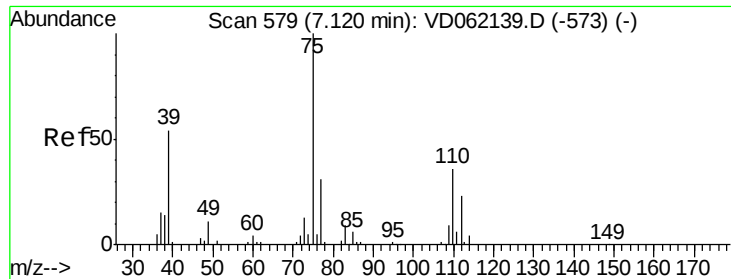
Tot Ion:114 Resp: 583623
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 32.4
 88 20.0 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 54.501 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062401.D
 Acq: 15 May 2019 21:17

Tgt Ion:113 Resp: 263917
 Ion Ratio Lower Upper
 113 100
 111 108.4 78.5 117.7
 192 16.6 13.0 19.4





#36

1,1-Dichloropropene

Concen: 7.492 ug/l

RT: 7.05 min Scan# 572

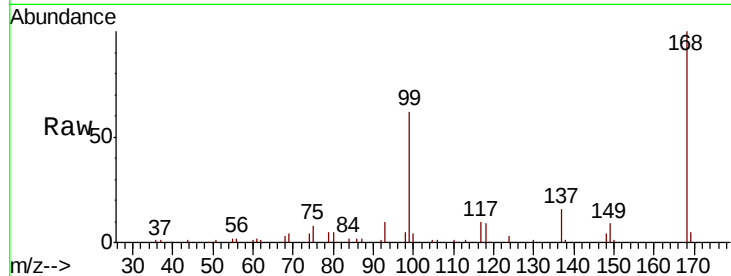
Delta R.T. -0.07 min

Lab File: VD062401.D

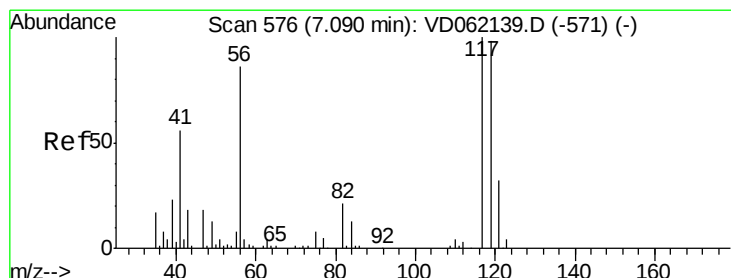
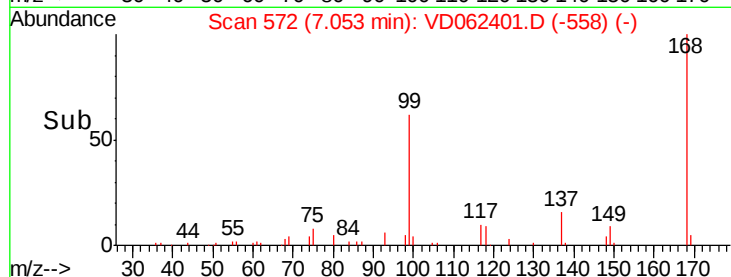
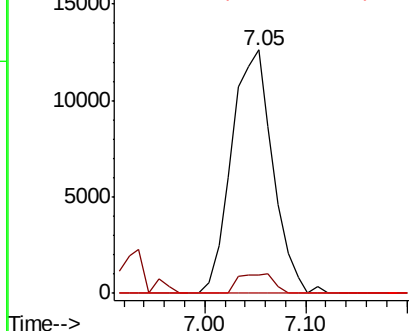
Acq: 15 May 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	35850
Ion	Ratio	Lower	Upper
75	100		
110	7.6	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



#38

Carbon Tetrachloride

Concen: 7.354 ug/l

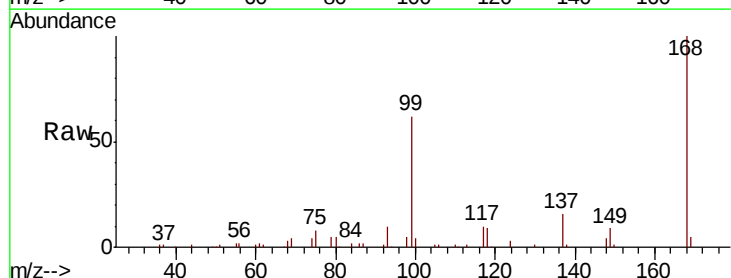
RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

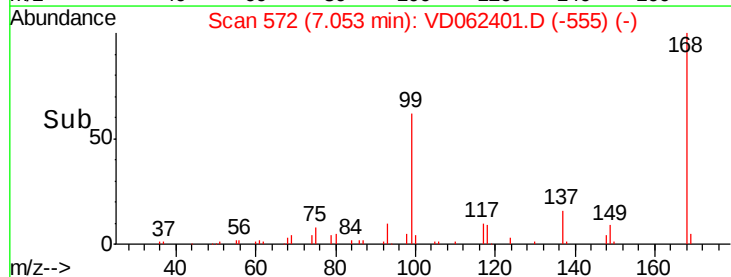
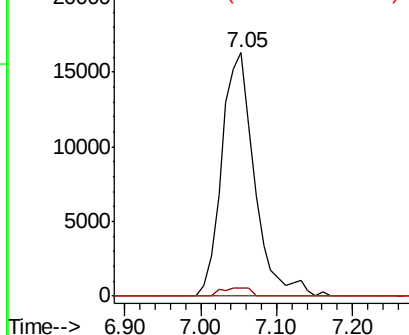
Lab File: VD062401.D

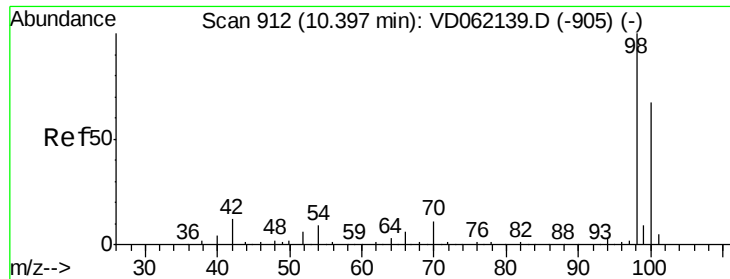
Acq: 15 May 2019 21:17

Tgt Ion:	117	Resp:	48703
Ion	Ratio	Lower	Upper
117	100		
119	3.3	75.8	113.8#
121	0.0	25.9	38.9#



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

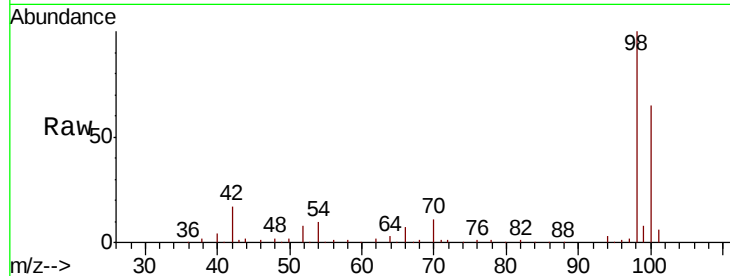




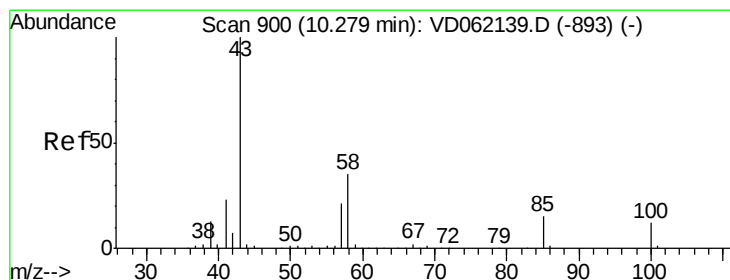
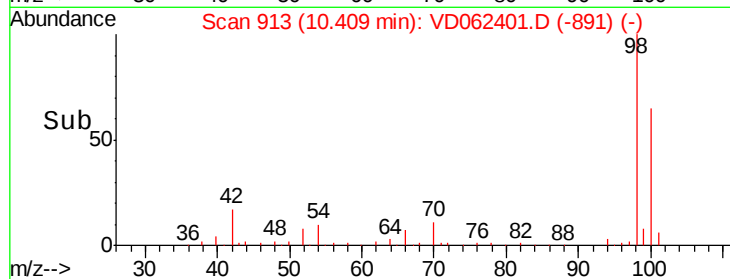
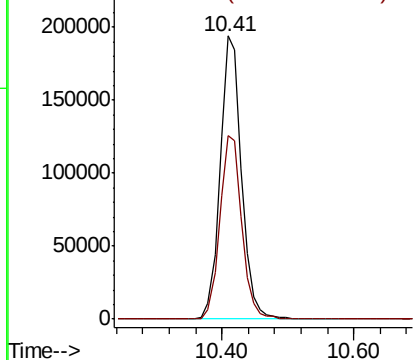
#50
Toluene-d8
Concen: 37.408 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062401.D
Acq: 15 May 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 436746
Ion Ratio Lower Upper
98 100
100 64.8 53.8 80.8

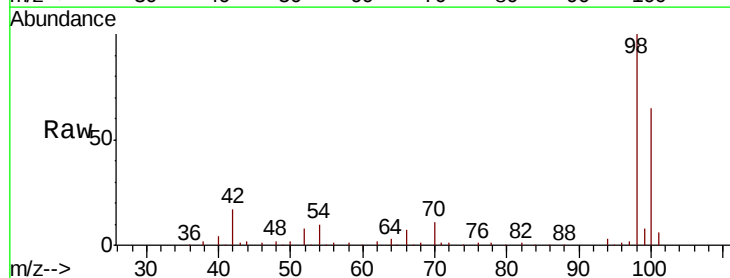


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

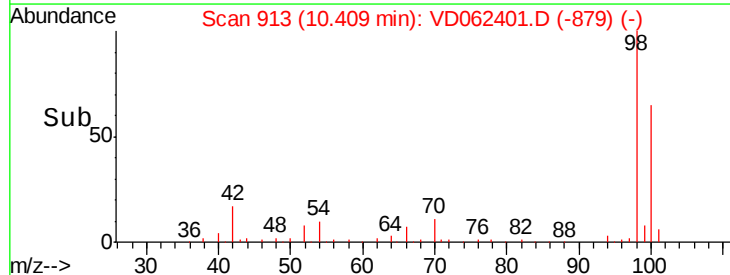
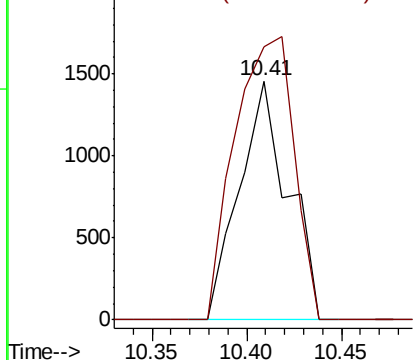


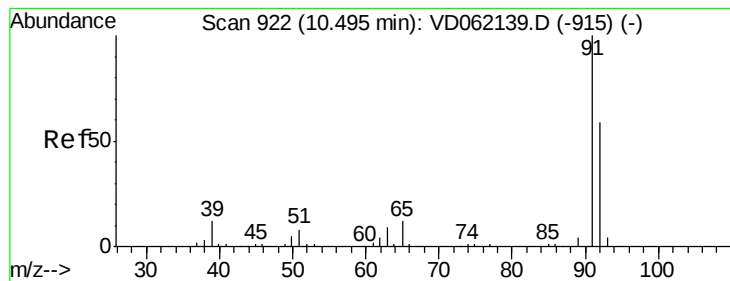
#51
4-Methyl-2-Pentanone
Concen: 1.403 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.13 min
Lab File: VD062401.D
Acq: 15 May 2019 21:17

Tgt Ion: 43 Resp: 2596
Ion Ratio Lower Upper
43 100
58 114.3 30.4 45.6#



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





#52

Toluene

Concen: 3.503 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD062401.D

Acq: 15 May 2019 21:17

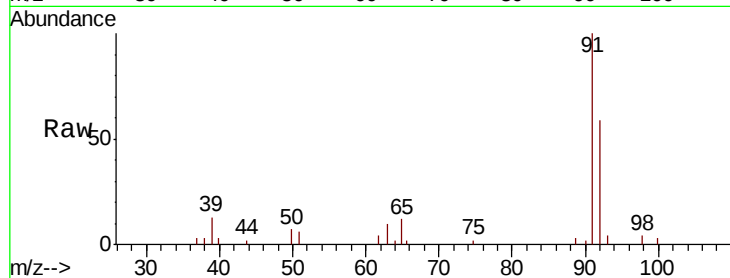
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 24626

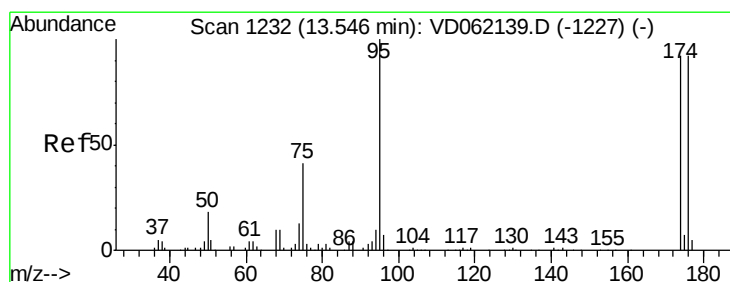
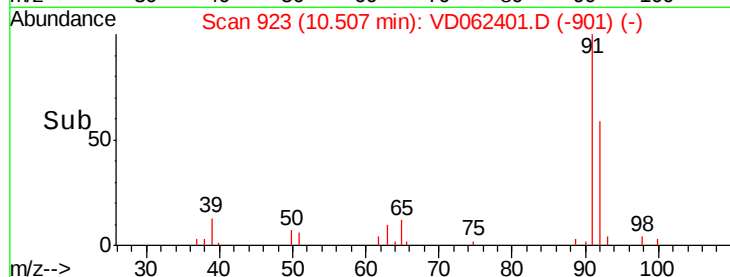
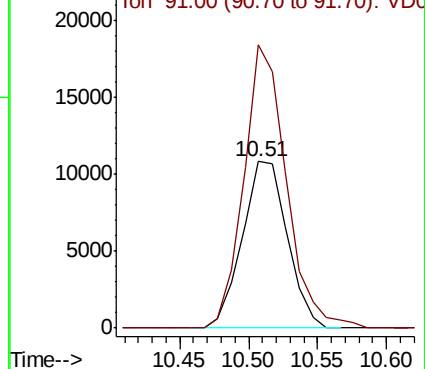
Ion Ratio Lower Upper

92 100

91 169.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 20.160 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062401.D

Acq: 15 May 2019 21:17

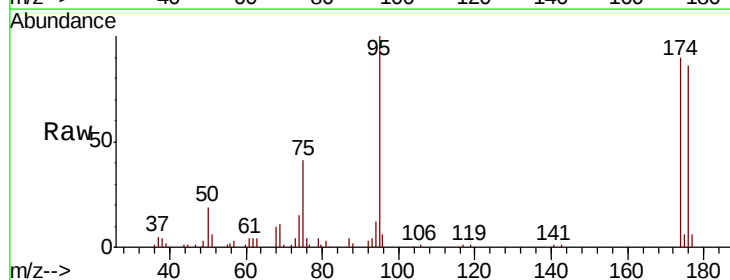
Tgt Ion: 95 Resp: 94517

Ion Ratio Lower Upper

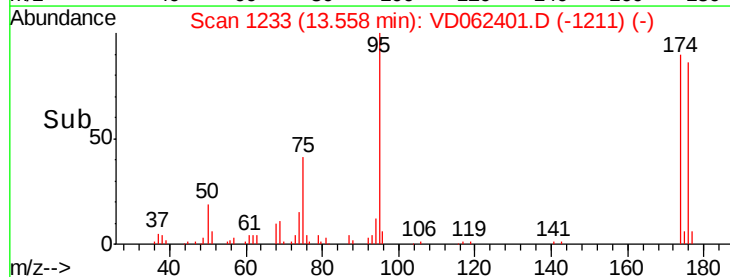
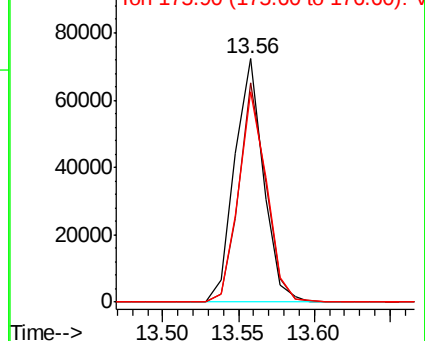
95 100

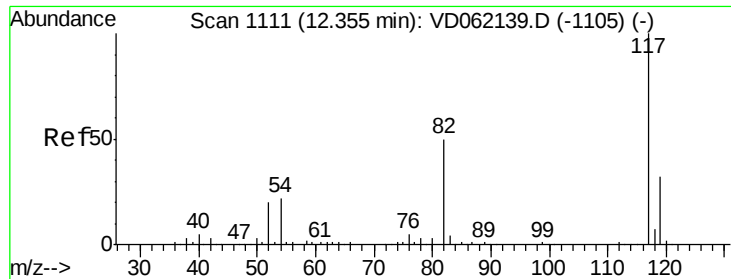
174 90.3 0.0 181.8

176 86.1 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

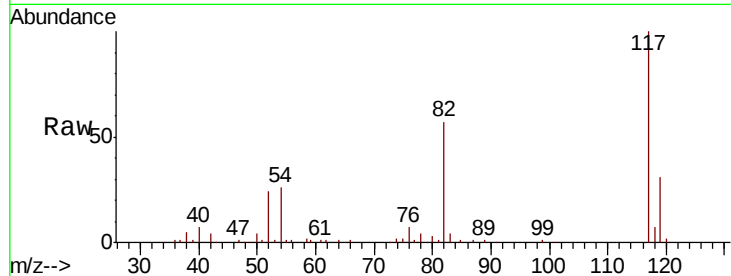




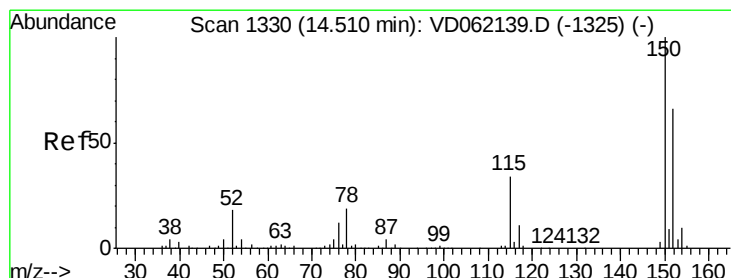
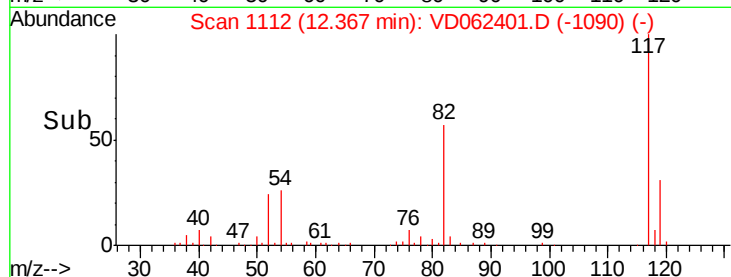
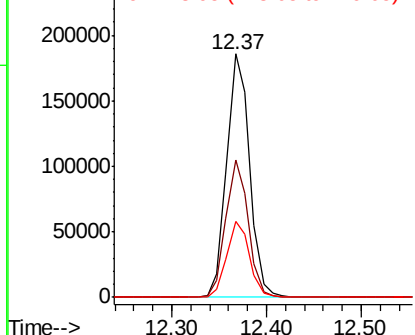
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062401.D
Acq: 15 May 2019 21:17

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 311857
Ion Ratio Lower Upper
117 100
82 56.5 36.2 54.2#
119 31.4 26.2 39.4

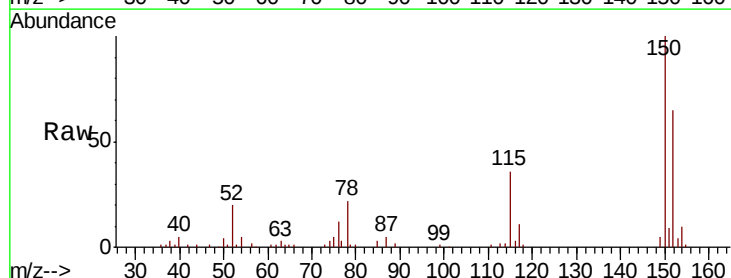


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

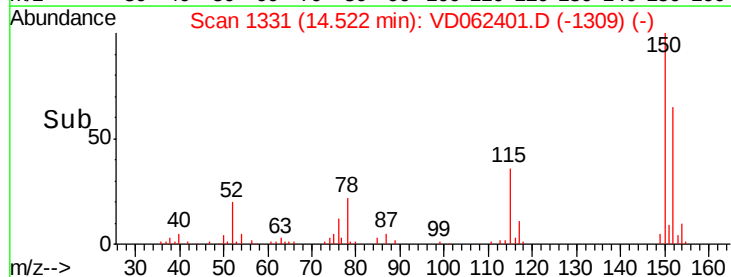
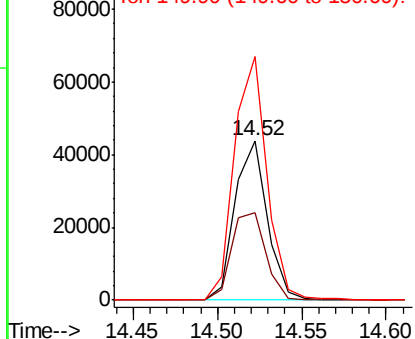


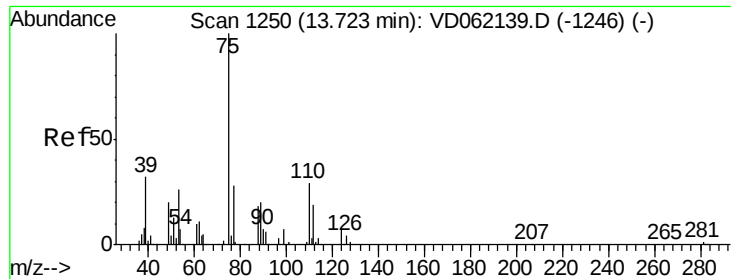
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062401.D
Acq: 15 May 2019 21:17

Tgt Ion:152 Resp: 58440
Ion Ratio Lower Upper
152 100
115 55.3 30.9 92.7
150 152.9 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

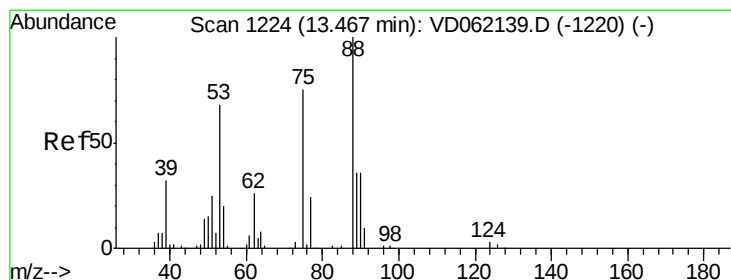
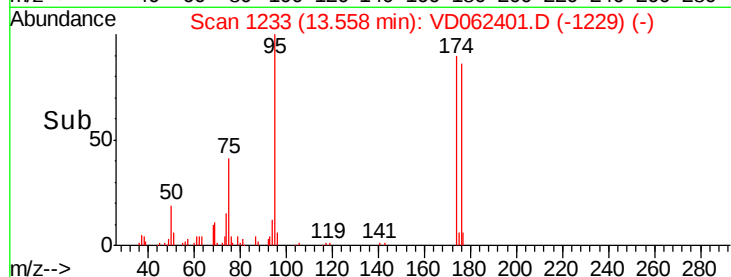
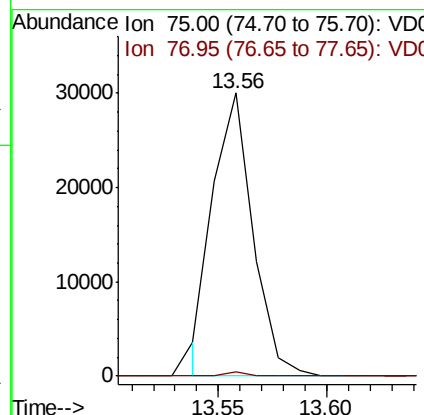
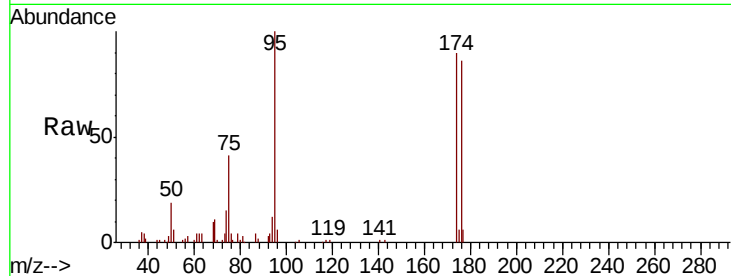




#76
 1,2,3-Trichloropropane
 Concen: 55.591 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.16 min
 Lab File: VD062401.D
 Acq: 15 May 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 38609
 Ion Ratio Lower Upper
 75 100
 77 1.7 16.4 49.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 207.865 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD062401.D
 Acq: 15 May 2019 21:17

Tgt Ion: 75 Resp: 40755
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

