

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061454.D
 Acq On : 31 Mar 2019 18:37
 Operator : VA/AP
 Sample : K1692-05RE
 Misc : 6.71g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:55:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	521014	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	923529	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	685404	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	263498	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	254198	57.11	ug/l	0.04
Spiked Amount			Recovery	=	114.22%	
35) Dibromofluoromethane	6.95	113	372774	52.82	ug/l	0.05
Spiked Amount			Recovery	=	105.64%	
50) Toluene-d8	10.42	98	724794	42.82	ug/l	0.04
Spiked Amount			Recovery	=	85.64%	
62) 4-Bromofluorobenzene	13.56	95	282388	43.50	ug/l	0.02
Spiked Amount			Recovery	=	87.00%	

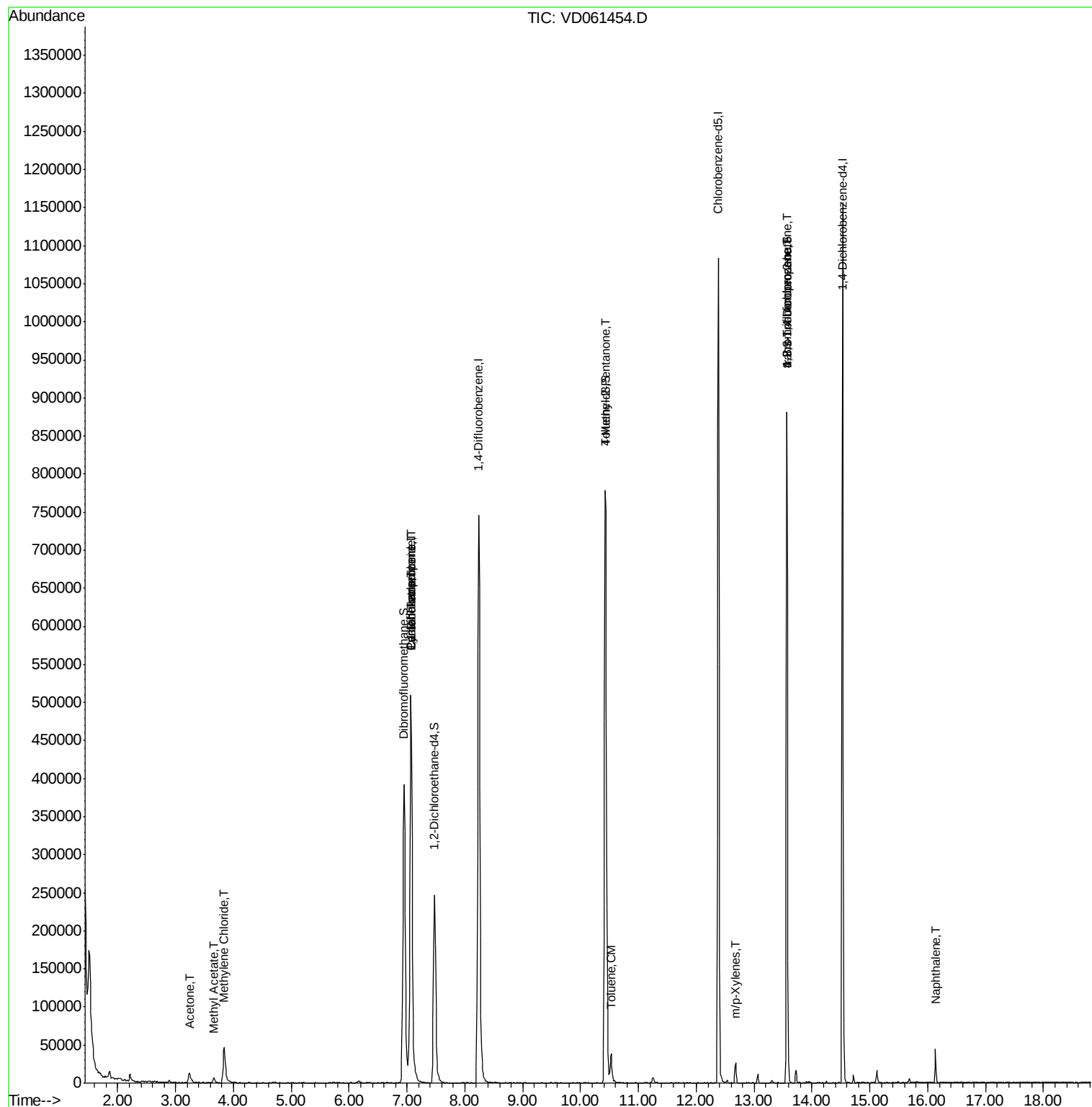
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	25242	22.062	ug/l	91
18) Methyl Acetate	3.67	43	11685	4.857	ug/l #	85
20) Methylene Chloride	3.84	84	38705	4.283	ug/l	95
31) Cyclohexane	7.07	56	8869	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	39678	4.923	ug/l #	46
38) Carbon Tetrachloride	7.07	117	50412	5.443	ug/l #	13
51) 4-Methyl-2-Pentanone	10.42	43	3308	1.084	ug/l #	1
52) Toluene	10.53	92	22290	1.806	ug/l	92
68) m/p-Xylenes	12.68	106	8634	1.066	ug/l	86
76) 1,2,3-Trichloropropane	13.56	75	102159	26.840	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	104164	89.755	ug/l #	18
95) Naphthalene	16.13	128	27515	5.247	ug/l	97

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.05 min

Lab File: VD061454.D

Acq: 31 Mar 2019 18:37

Instrument :

MSVOA_D

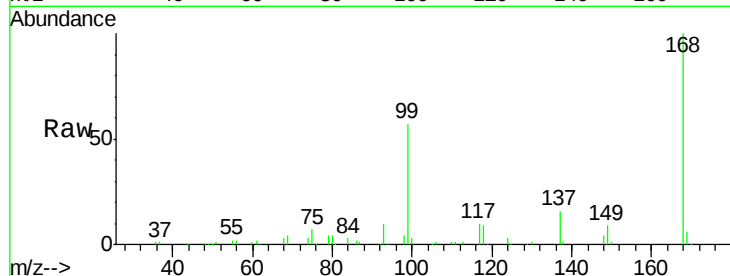
ClientSampleId :

Tot Ion:168 Resp: 521014

Ion Ratio Lower Upper

168 100

99 57.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

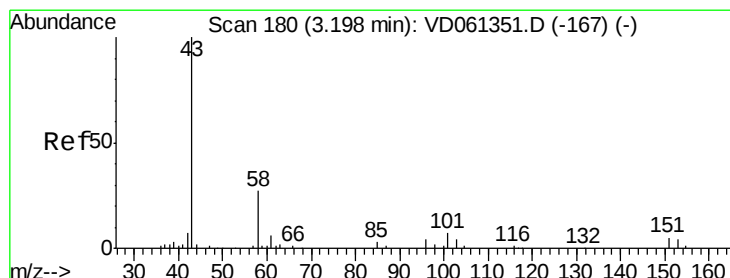
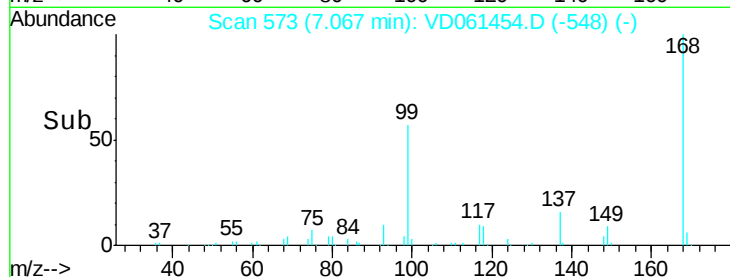
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 22.062 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061454.D

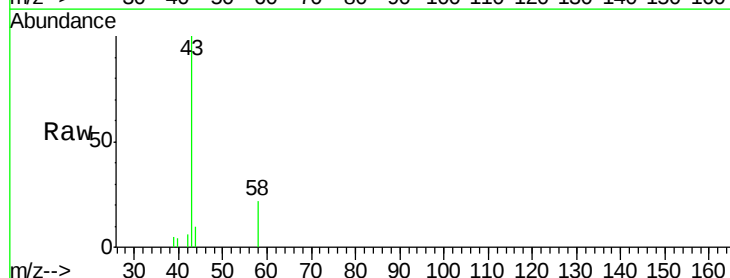
Acq: 31 Mar 2019 18:37

Tgt Ion: 43 Resp: 25242

Ion Ratio Lower Upper

43 100

58 22.1 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

10000

8000

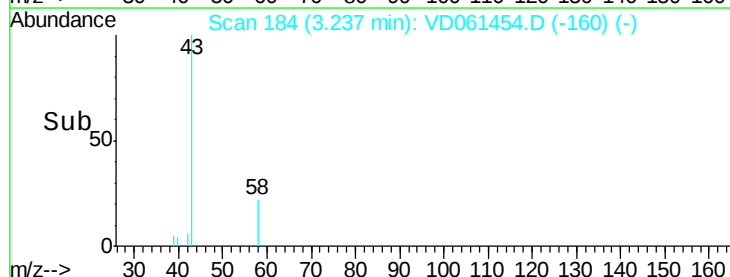
6000

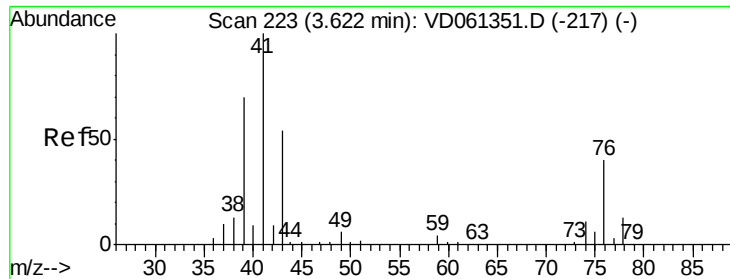
4000

2000

0

Time--> 3.10 3.20 3.30 3.40

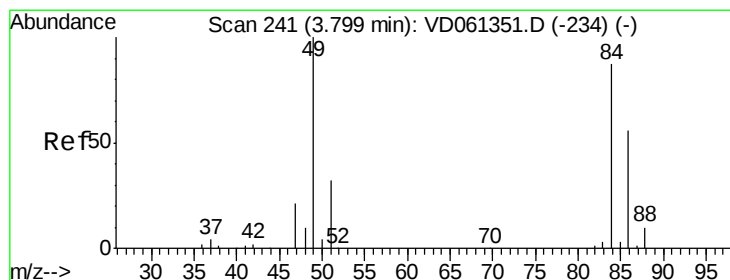
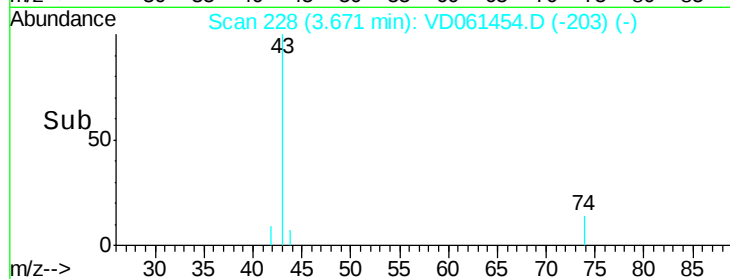
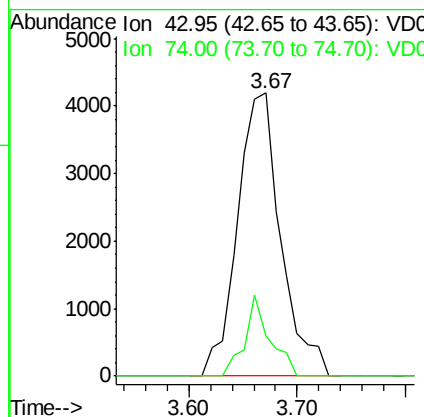
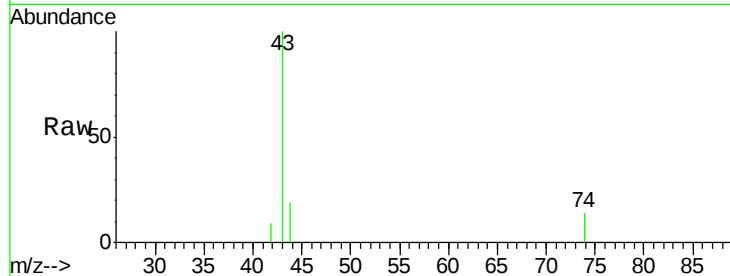




#18
Methyl Acetate
Concen: 4.857 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.05 min
Lab File: VD061454.D
Acq: 31 Mar 2019 18:37

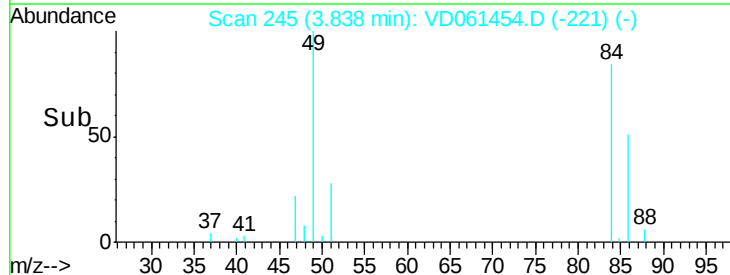
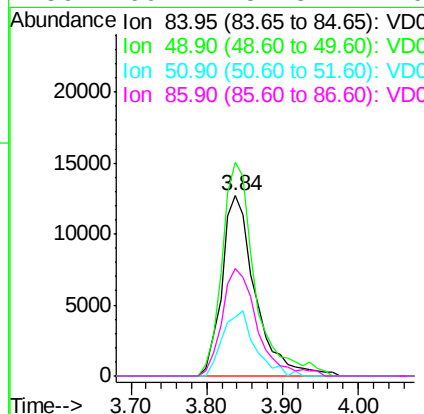
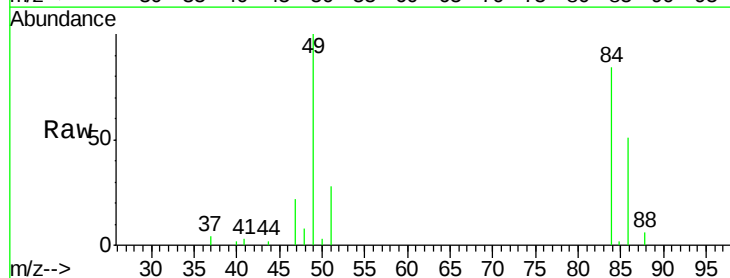
Instrument :
MSVOA_D
ClientSampled :

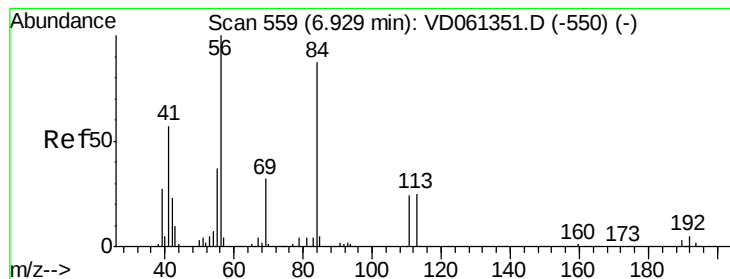
Tot Ion: 43 Resp: 11685
Ion Ratio Lower Upper
43 100
74 14.0 16.7 25.1#



#20
Methylene Chloride
Concen: 4.283 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061454.D
Acq: 31 Mar 2019 18:37

Tgt Ion: 84 Resp: 38705
Ion Ratio Lower Upper
84 100
49 118.7 91.8 137.8
51 32.7 29.8 44.8
86 60.1 51.8 77.6





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.14 min

Lab File: VD061454.D

Acq: 31 Mar 2019 18:37

Instrument :
MSVOA_D
ClientSampleId :

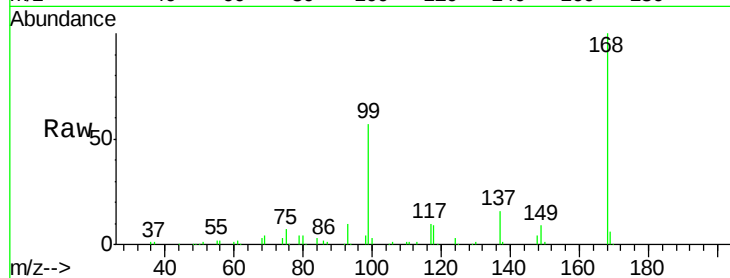
Tot Ion: 56 Resp: 8869

Ion Ratio Lower Upper

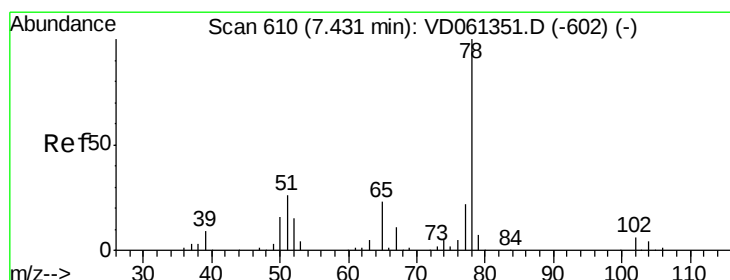
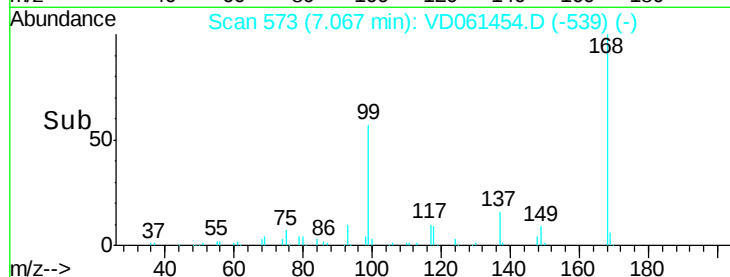
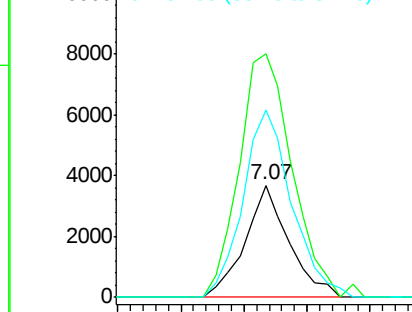
56 100

69 217.1 25.7 38.5#

84 166.8 70.6 105.8#



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: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061454.D

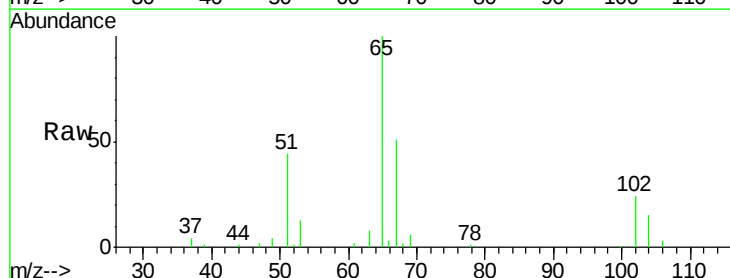
Acq: 31 Mar 2019 18:37

Tgt Ion: 65 Resp: 254198

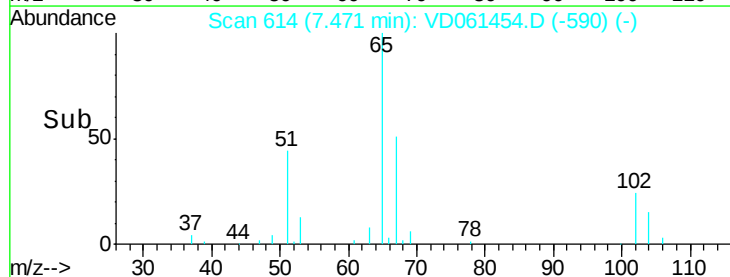
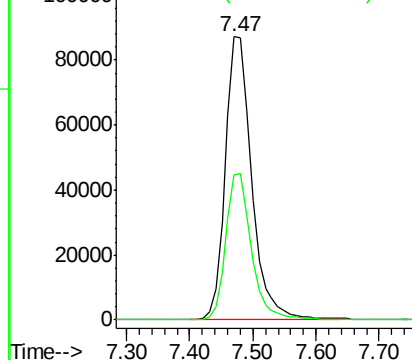
Ion Ratio Lower Upper

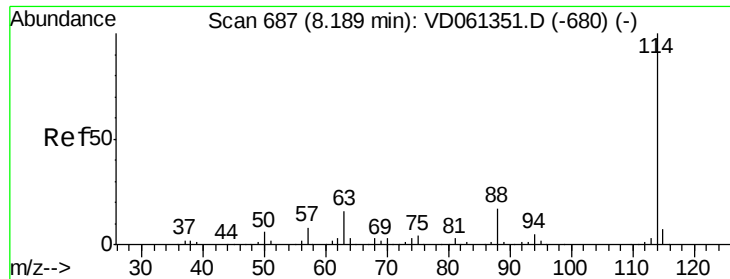
65 100

67 51.1 0.0 99.8



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

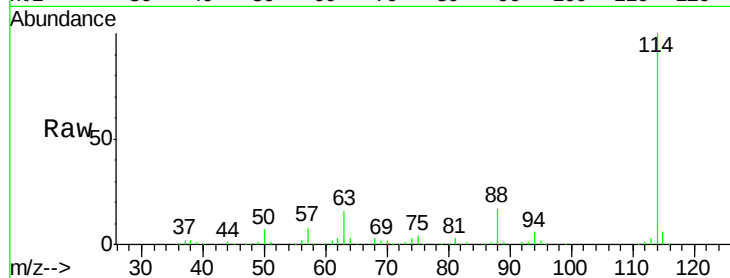




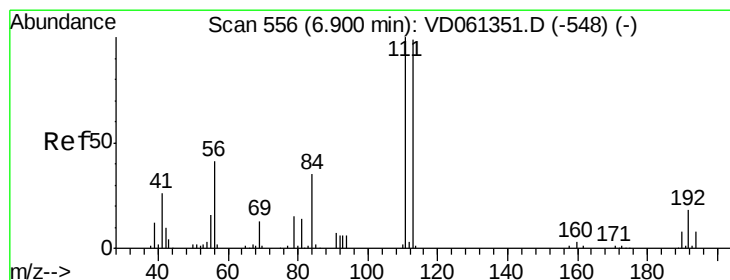
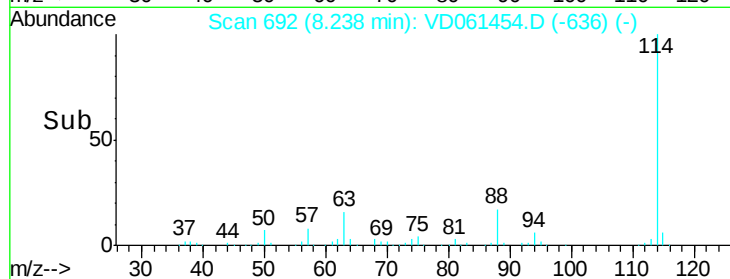
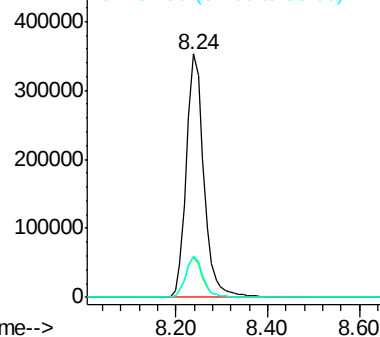
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD061454.D
 Acq: 31 Mar 2019 18:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 923529
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.6
 88 16.9 0.0 33.4

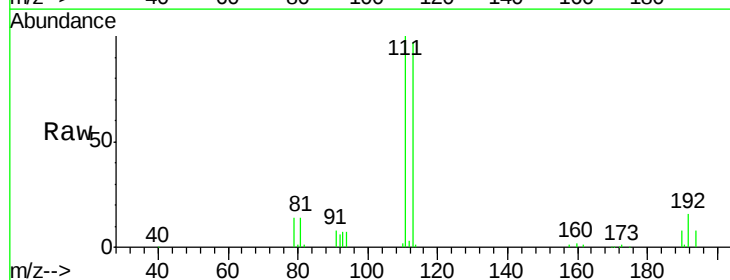


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

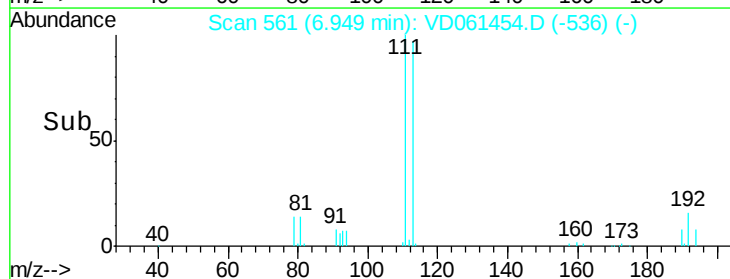
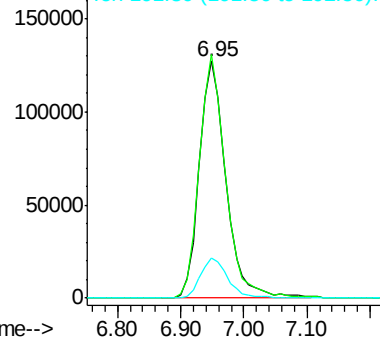


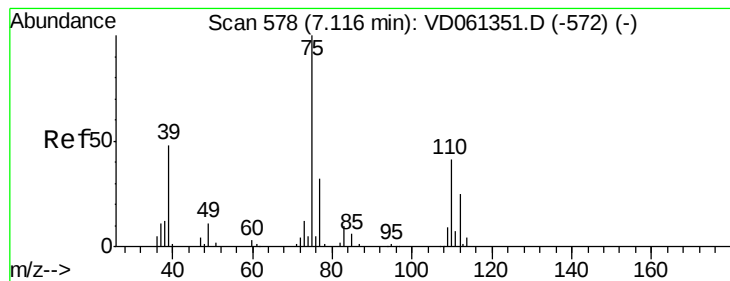
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD061454.D
 Acq: 31 Mar 2019 18:37

Tgt Ion:113 Resp: 372774
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.0 121.6
 192 16.8 14.4 21.6



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: 4.923 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061454.D

Acq: 31 Mar 2019 18:37

Instrument :

MSVOA_D

ClientSampleId :

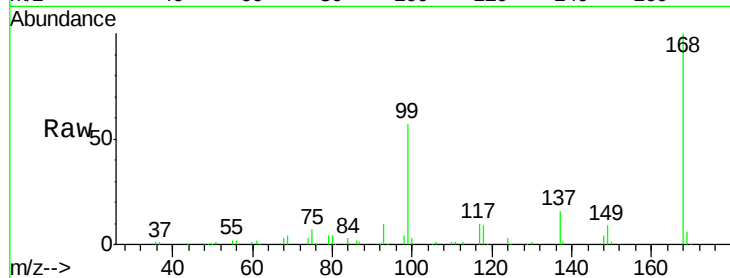
Tot Ion: 75 Resp: 39678

Ion Ratio Lower Upper

75 100

110 8.4 20.4 61.3#

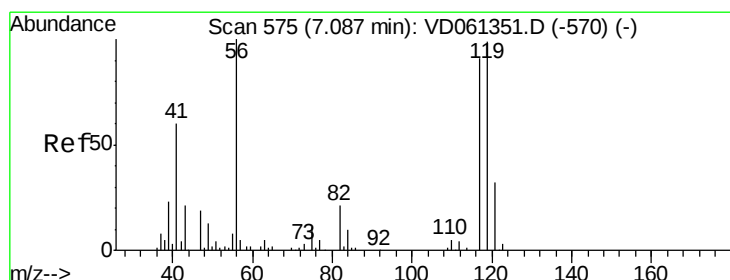
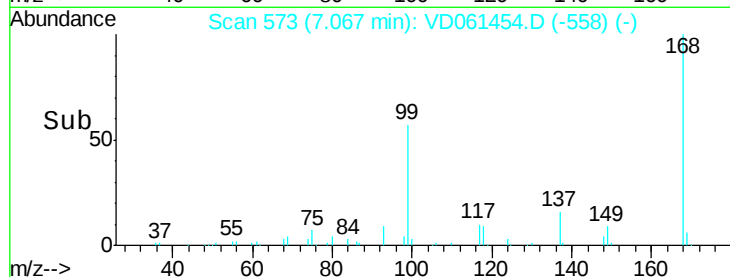
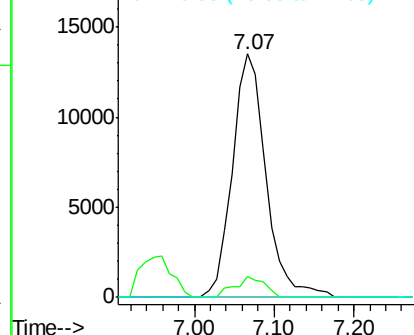
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.443 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD061454.D

Acq: 31 Mar 2019 18:37

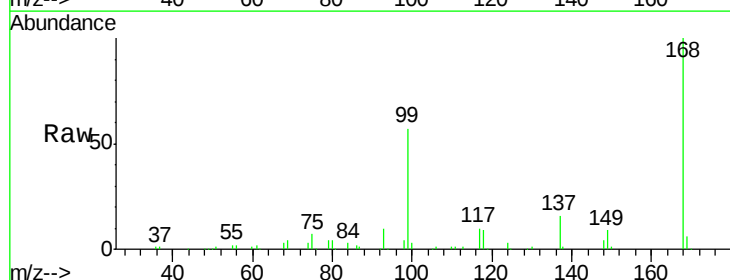
Tgt Ion: 117 Resp: 50412

Ion Ratio Lower Upper

117 100

119 3.5 80.1 120.1#

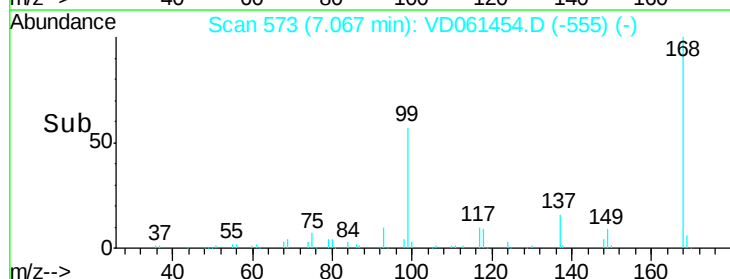
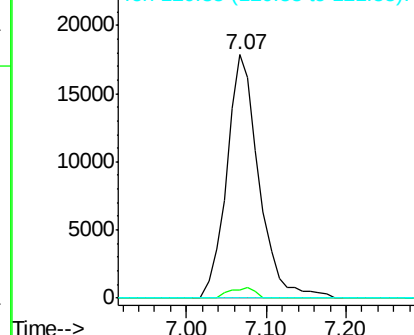
121 0.0 25.6 38.4#

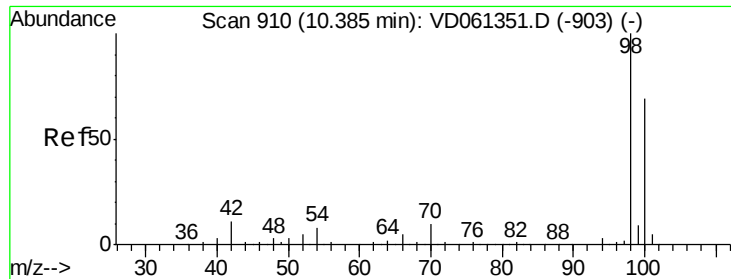


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

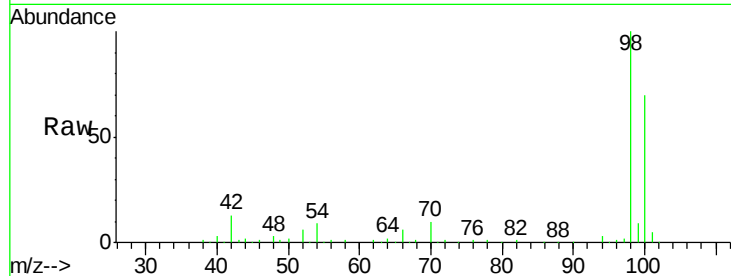




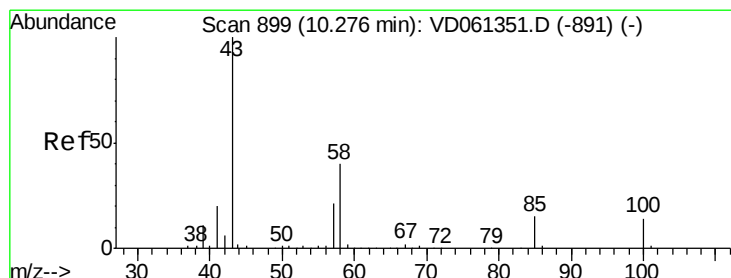
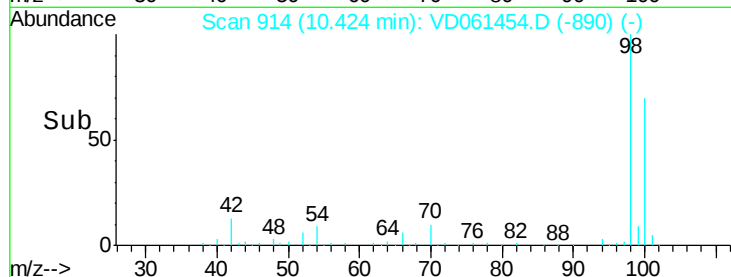
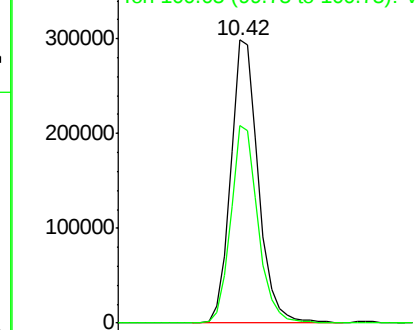
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061454.D
Acq: 31 Mar 2019 18:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 724794
Ion Ratio Lower Upper
98 100
100 70.0 56.2 84.2

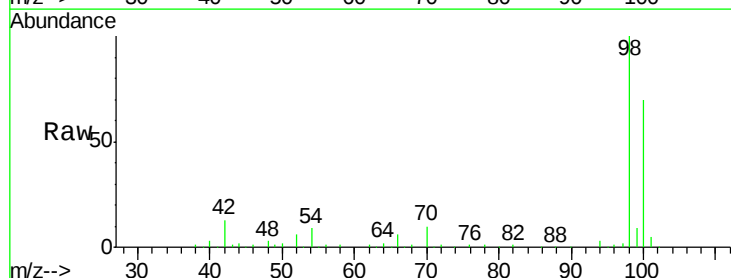


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

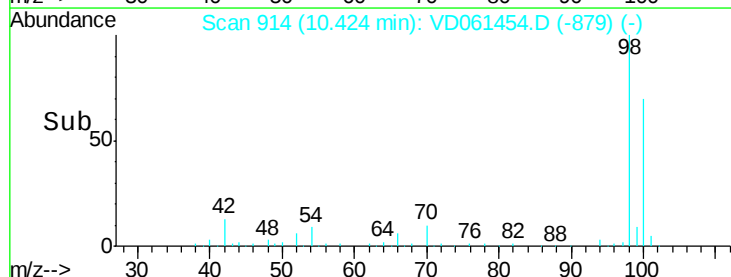
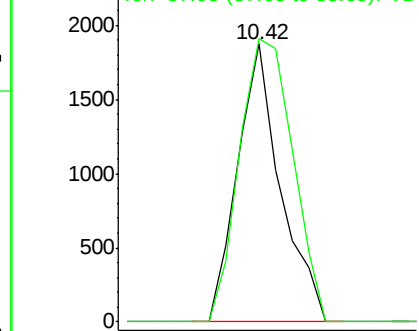


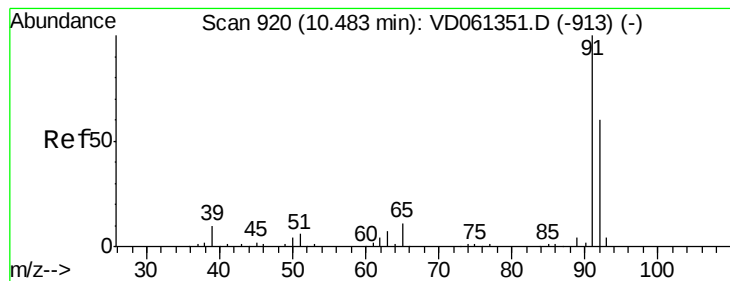
#51
4-Methyl-2-Pentanone
Concen: 1.084 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.15 min
Lab File: VD061454.D
Acq: 31 Mar 2019 18:37

Tgt Ion: 43 Resp: 3308
Ion Ratio Lower Upper
43 100
58 101.9 31.8 47.8#



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





#52

Toluene

Concen: 1.806 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.05 min

Lab File: VD061454.D

Acq: 31 Mar 2019 18:37

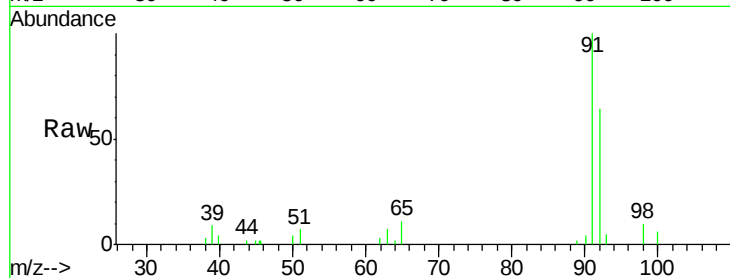
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 22290

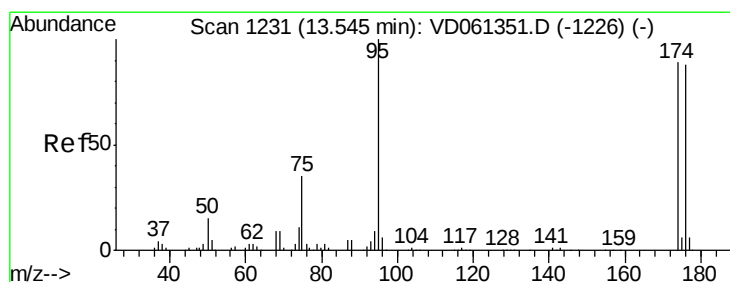
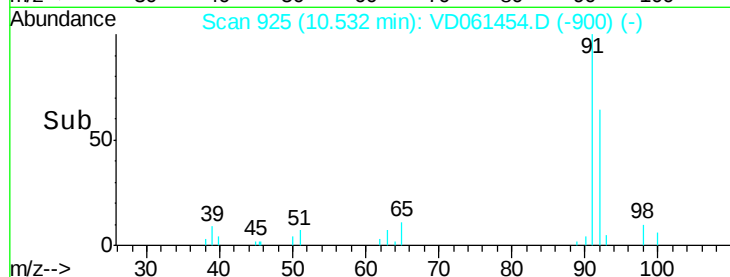
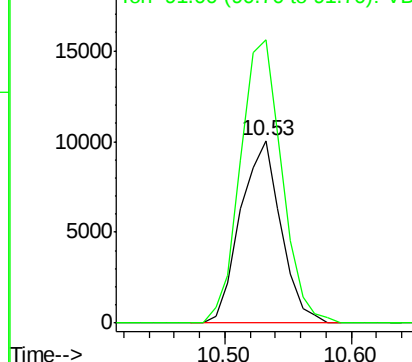
Ion Ratio Lower Upper

92 100

91 155.3 133.3 199.9



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



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061454.D

Acq: 31 Mar 2019 18:37

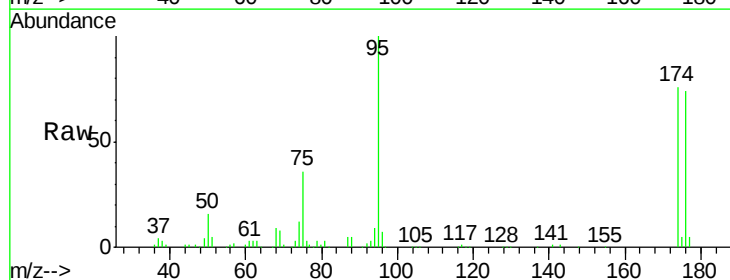
Tgt Ion: 95 Resp: 282388

Ion Ratio Lower Upper

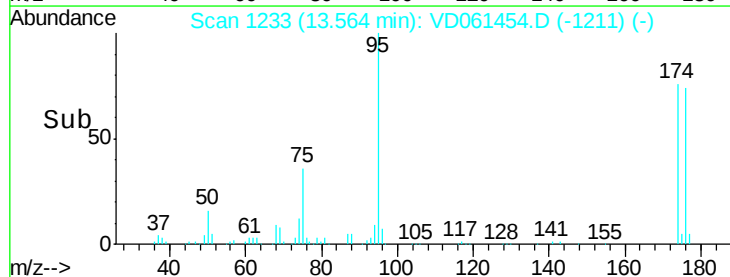
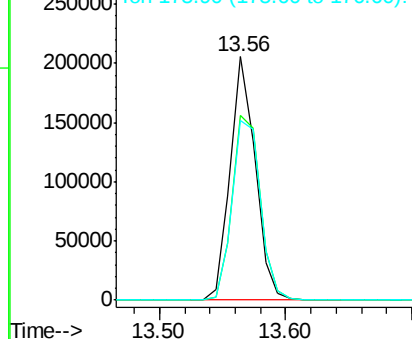
95 100

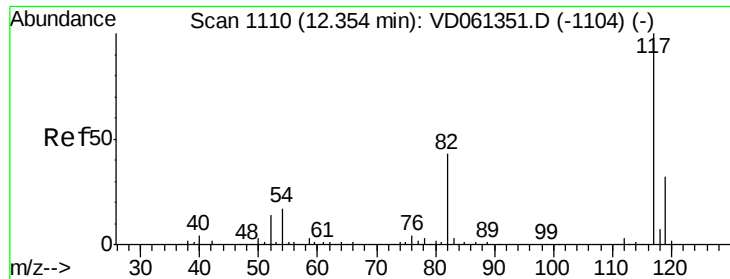
174 75.7 0.0 178.0

176 73.9 0.0 175.0



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

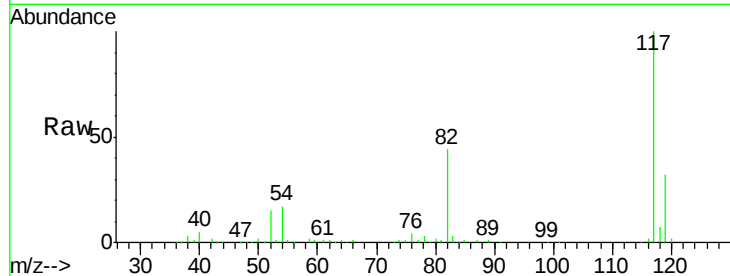




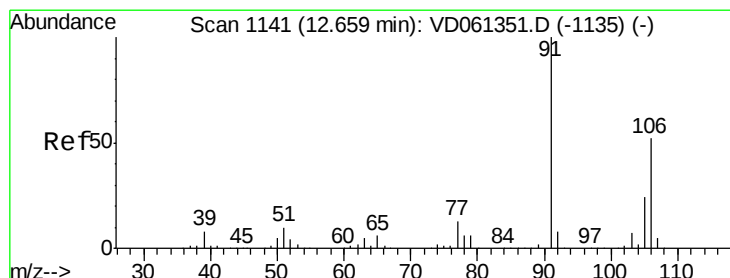
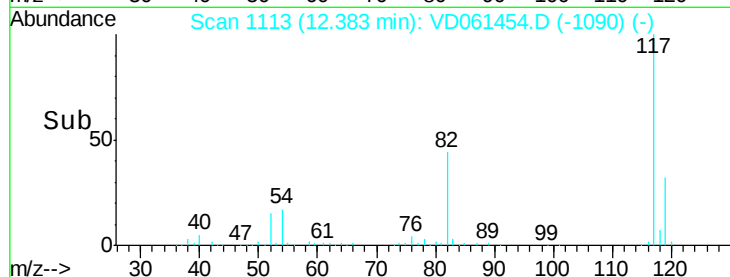
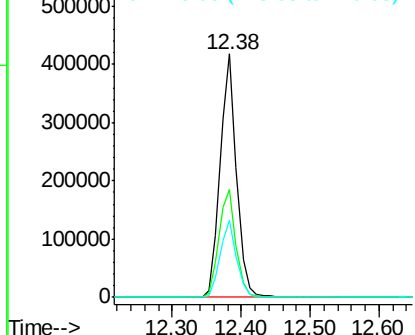
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD061454.D
Acq: 31 Mar 2019 18:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 685404
Ion Ratio Lower Upper
117 100
82 44.2 34.4 51.6
119 31.6 25.8 38.6

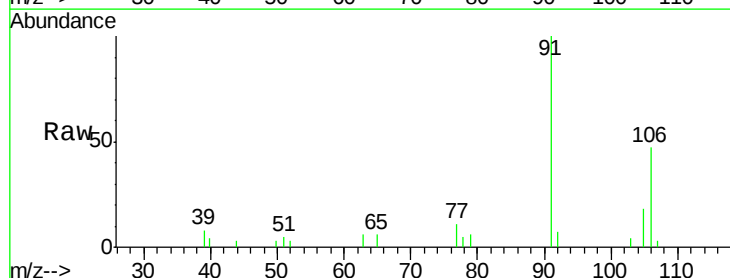


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

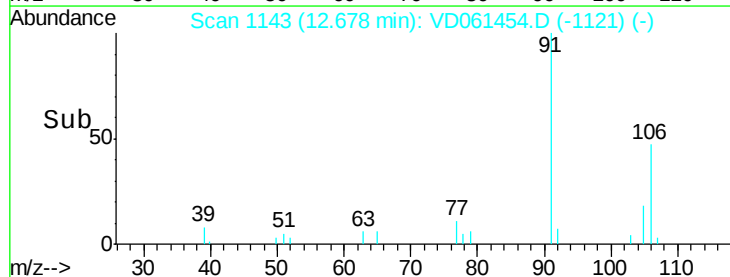
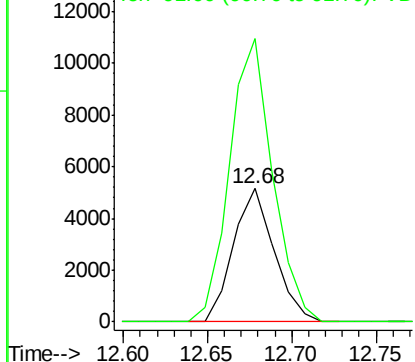


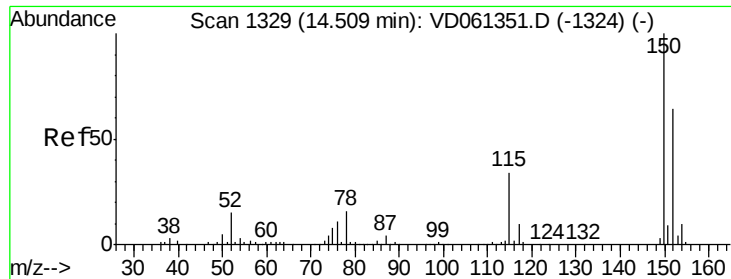
#68
m/p-Xylenes
Concen: 1.066 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061454.D
Acq: 31 Mar 2019 18:37

Tgt Ion:106 Resp: 8634
Ion Ratio Lower Upper
106 100
91 212.4 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC



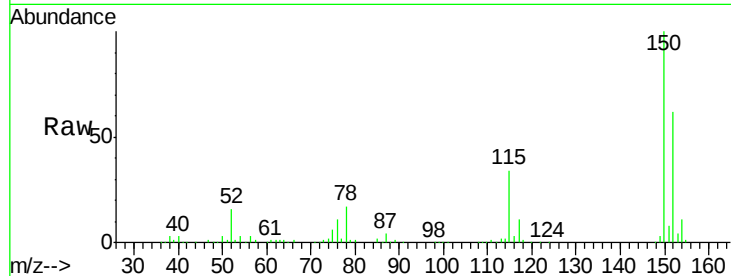


#72

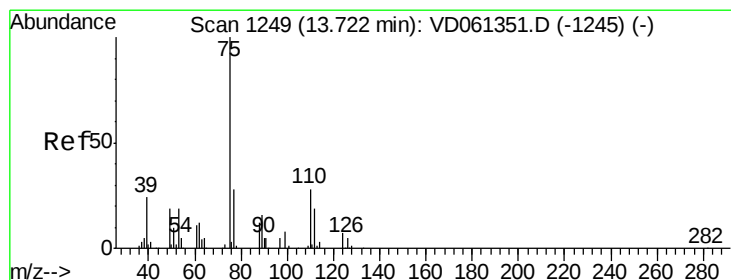
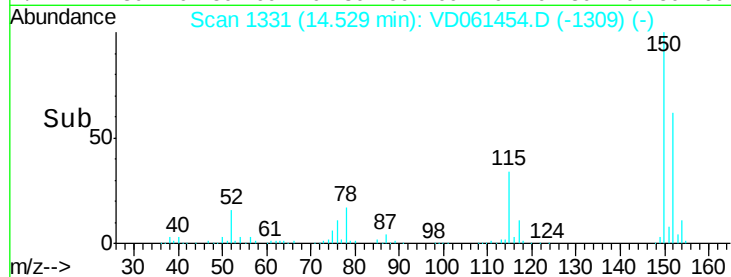
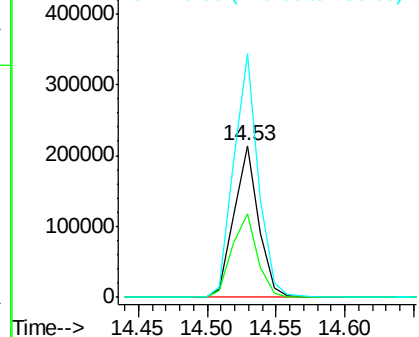
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061454.D
Acq: 31 Mar 2019 18:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 263498
Ion Ratio Lower Upper
152 100
115 55.1 26.9 80.6
150 160.5 0.0 318.0



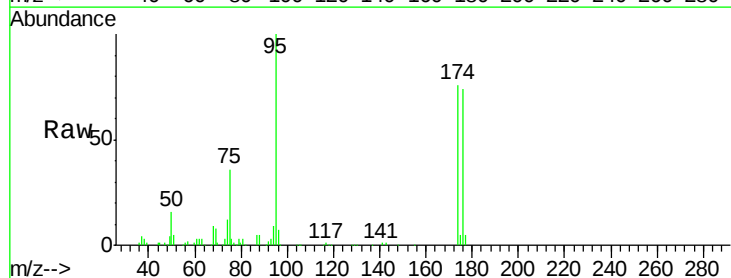
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



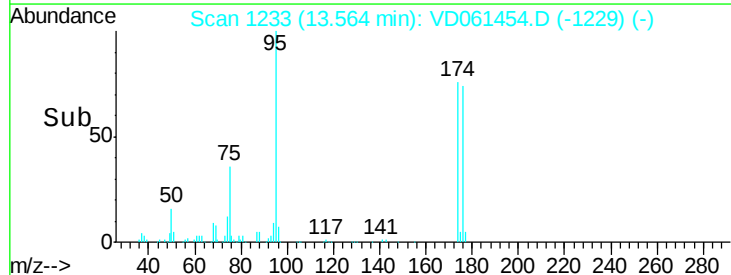
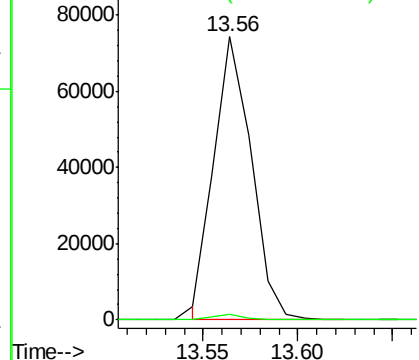
#76

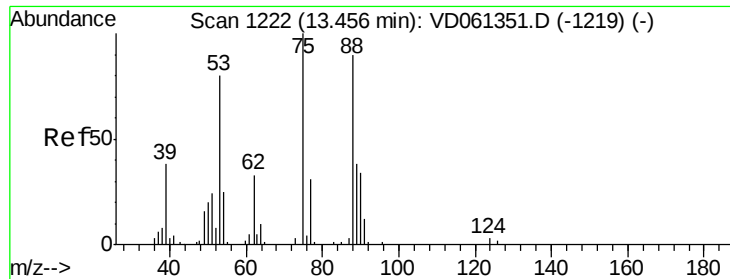
1,2,3-Trichloropropane
Concen: 26.840 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.16 min
Lab File: VD061454.D
Acq: 31 Mar 2019 18:37

Tgt Ion: 75 Resp: 102159
Ion Ratio Lower Upper
75 100
77 1.8 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

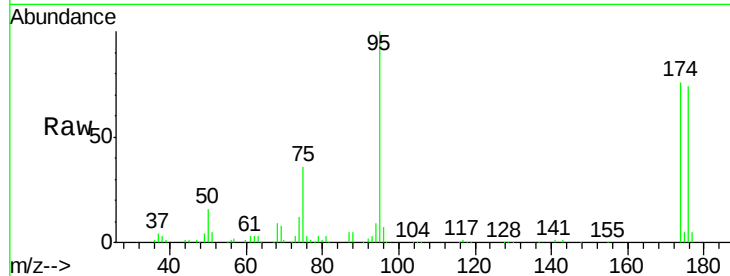




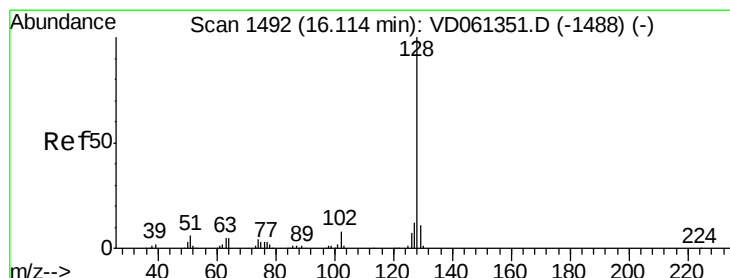
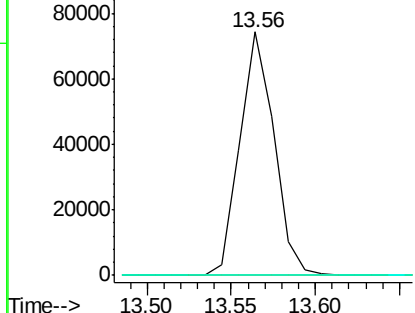
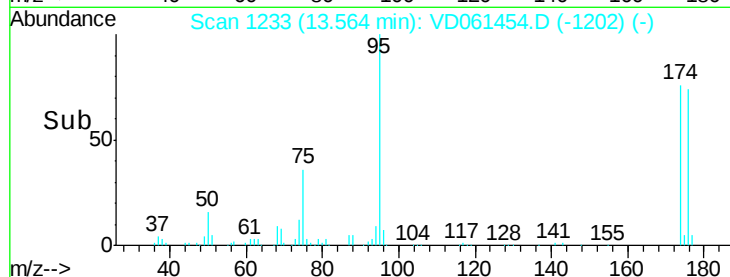
#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.755 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.11 min
 Lab File: VD061454.D
 Acq: 31 Mar 2019 18:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.8#
89	0.0	30.5	45.7#

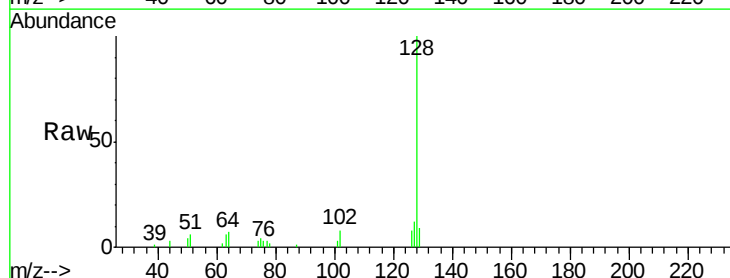


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 89.00 (88.70 to 89.70): VDC



#95
 Naphthalene
 Concen: 5.247 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.02 min
 Lab File: VD061454.D
 Acq: 31 Mar 2019 18:37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.9	14.9
129	9.5	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

