

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062043.D
 Acq On : 25 Apr 2019 17:21
 Operator : VA/AP
 Sample : K2203-17
 Misc : 6.31g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 01:44:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	464806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	737924	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	519885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	193097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	208654	57.36	ug/l	0.00
Spiked Amount						
			Recovery	=	114.72%	
35) Dibromofluoromethane	6.91	113	281934	55.24	ug/l	-0.02
Spiked Amount						
			Recovery	=	110.48%	
50) Toluene-d8	10.41	98	580406	47.79	ug/l	0.00
Spiked Amount						
			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	13.55	95	198236	40.70	ug/l	0.00
Spiked Amount						
			Recovery	=	81.40%	

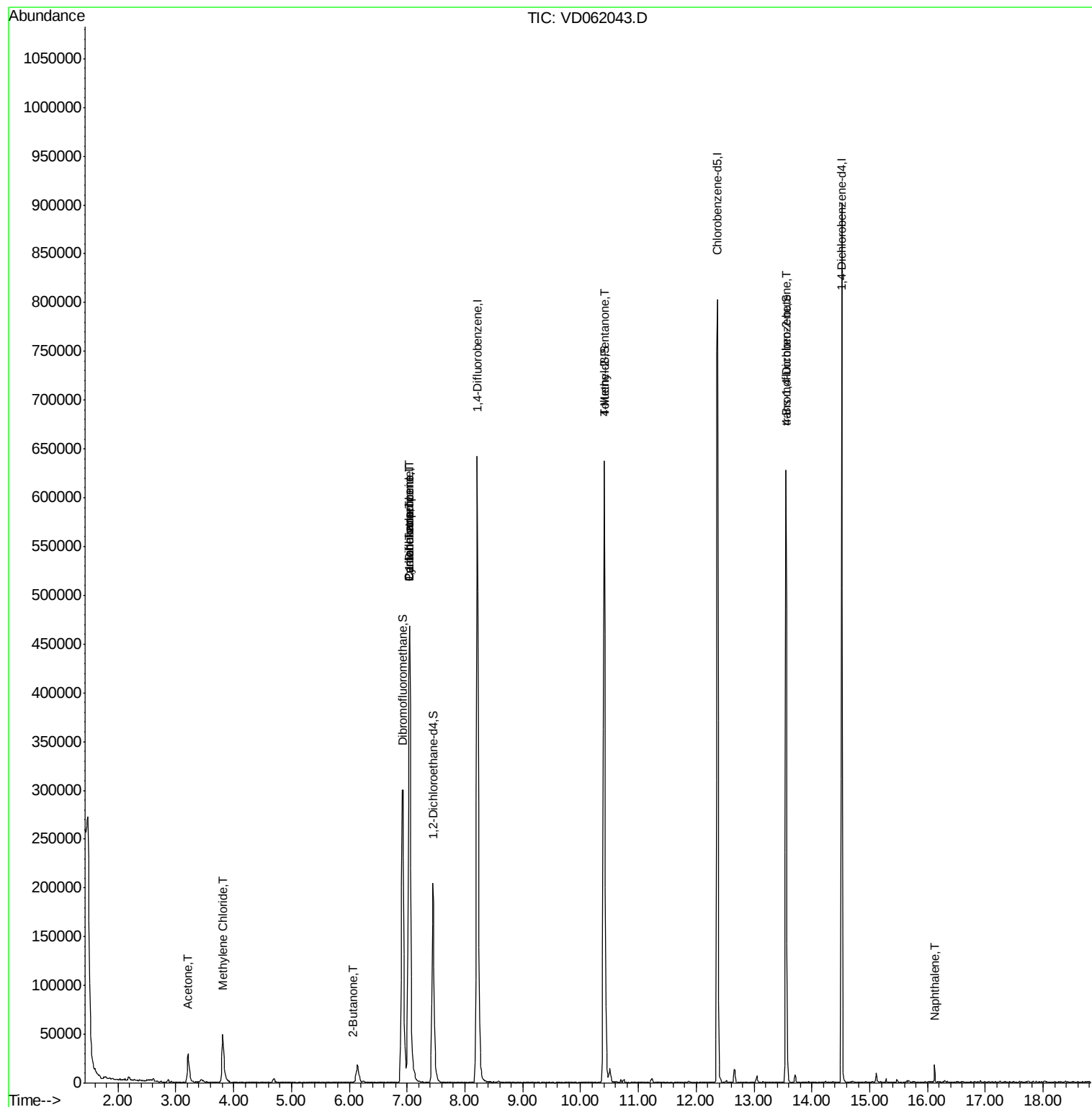
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	56930	65.542	ug/l	94
18) Methyl Acetate	3.65	43	532	Below Cal	#	53
20) Methylene Chloride	3.81	84	36523	5.819	ug/l	95
25) 2-Butanone	6.07	43	1369	1.300	ug/l #	56
31) Cyclohexane	7.04	56	7644	1.411	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	32649	5.679	ug/l #	48
38) Carbon Tetrachloride	7.04	117	45716	6.275	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	2371	1.083	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	76155	102.488	ug/l #	16
95) Naphthalene	16.12	128	11394	2.450	ug/l	99

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

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MSVOA_D
ClientSampleId :

Quant Time: Apr 26 01:44:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

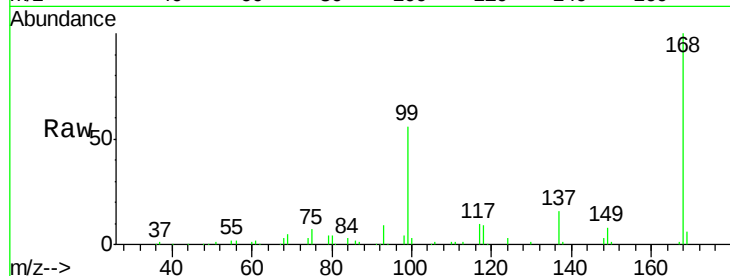
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 464806

Ion Ratio Lower Upper

168 100

99 55.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

150000

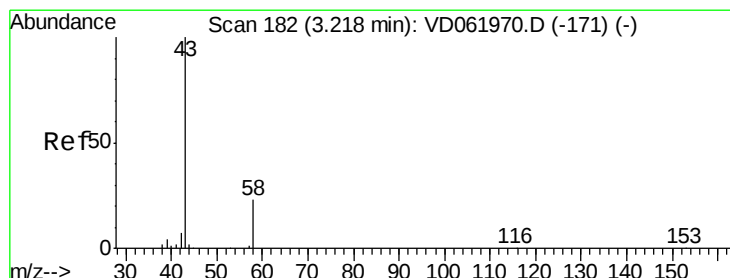
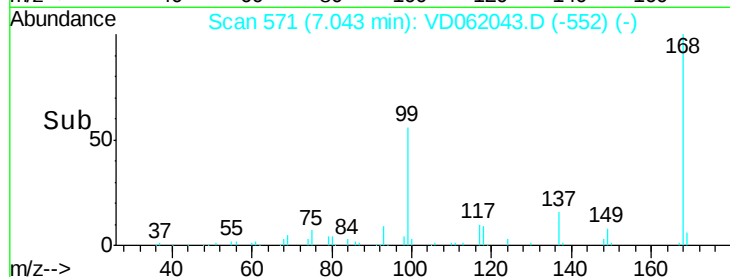
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 65.542 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062043.D

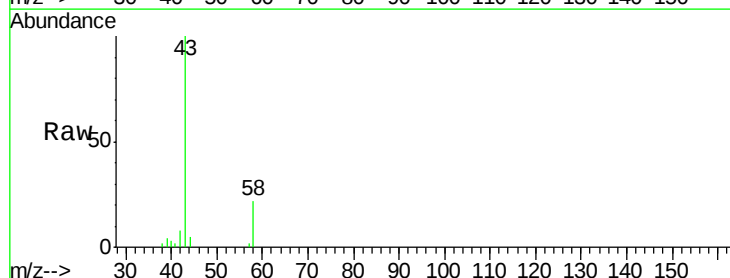
Acq: 25 Apr 2019 17:21

Tgt Ion: 43 Resp: 56930

Ion Ratio Lower Upper

43 100

58 22.0 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

20000

15000

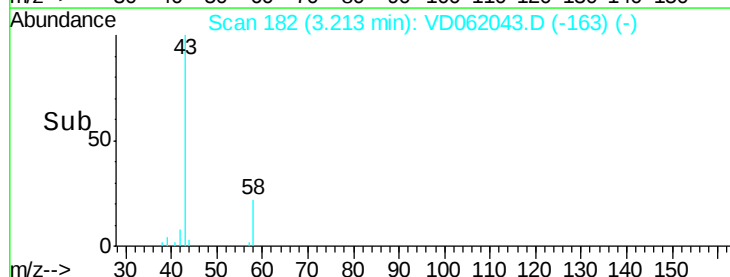
10000

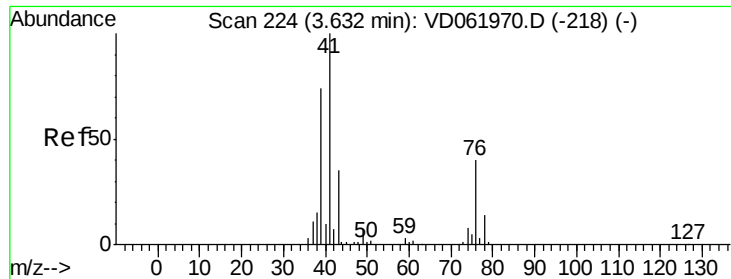
5000

0

3.10 3.20 3.30 3.40

Time-->

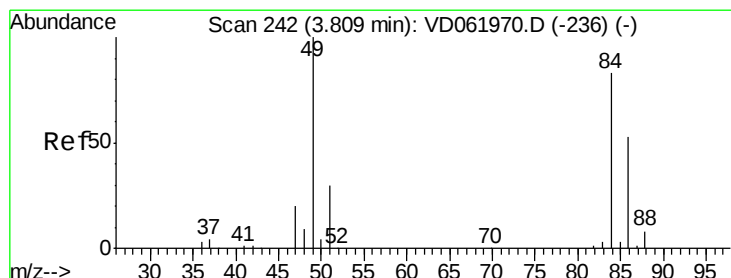
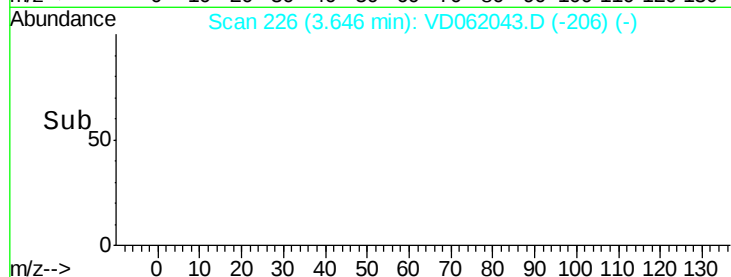
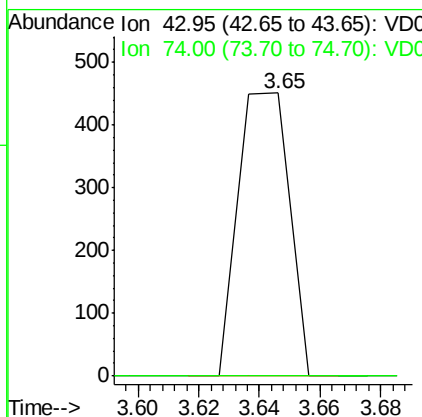
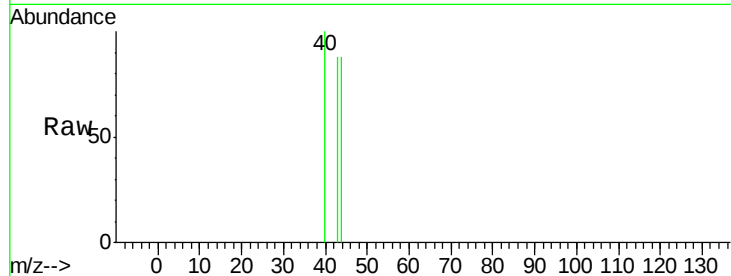




#18
Methyl Acetate
Concen: Below Cal
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD062043.D
Acq: 25 Apr 2019 17:21

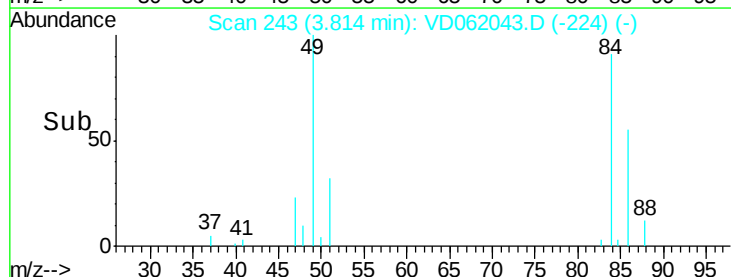
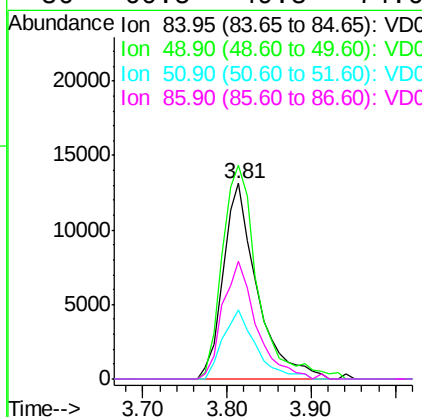
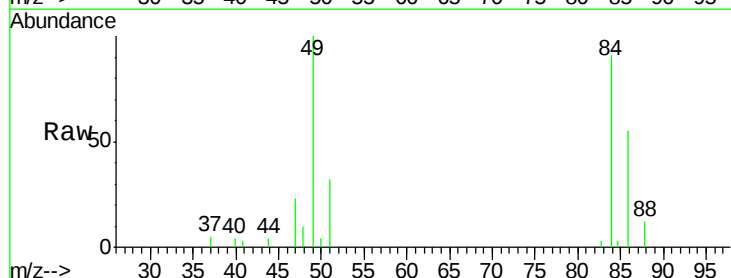
Instrument :
MSVOA_D
ClientSampleId :

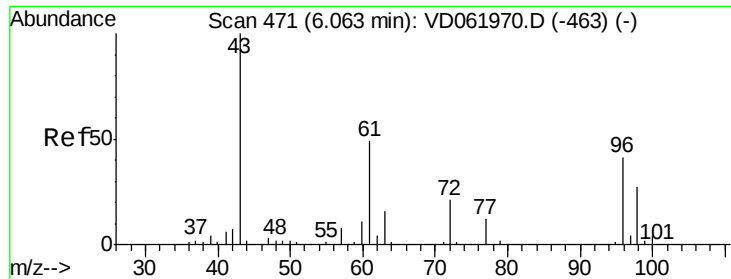
Tot Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 5.819 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062043.D
Acq: 25 Apr 2019 17:21

Tgt Ion: 84 Resp: 36523
Ion Ratio Lower Upper
84 100
49 109.3 94.0 141.0
51 35.5 29.0 43.4
86 60.5 49.8 74.6

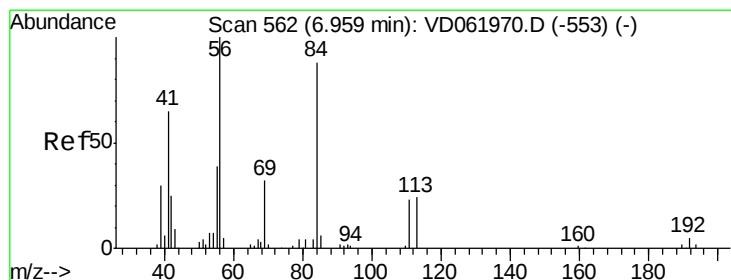
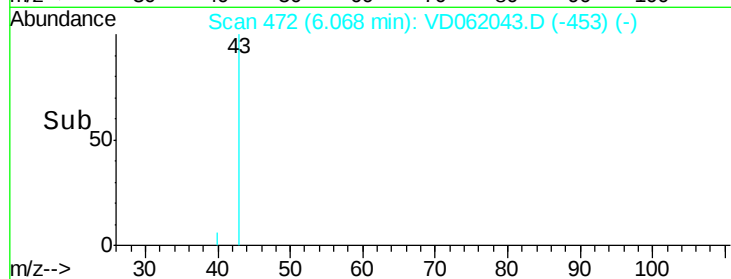
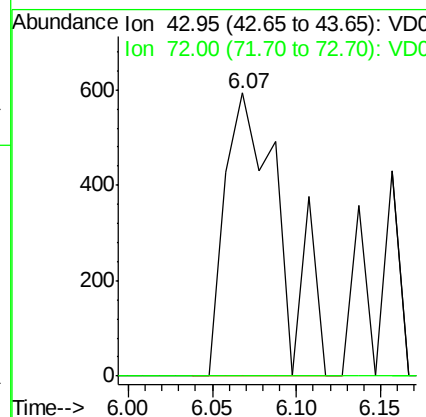
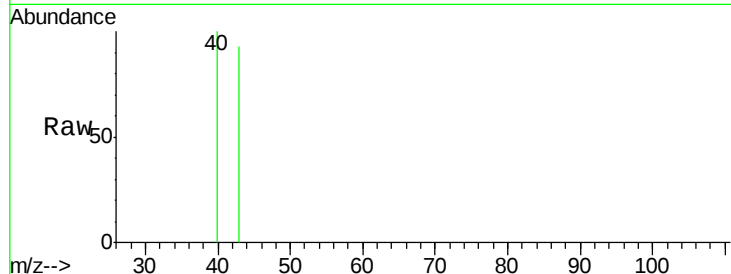




#25
2-Butanone
Concen: 1.300 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD062043.D
Acq: 25 Apr 2019 17:21

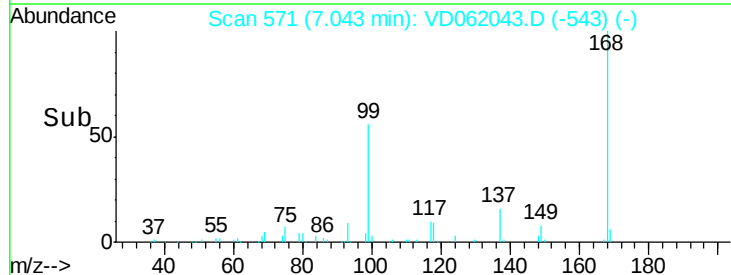
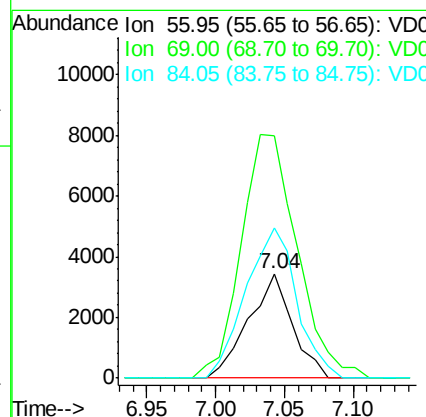
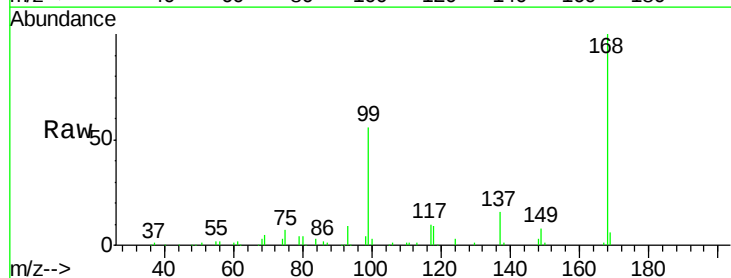
Instrument :
MSVOA_D
ClientSampleId :

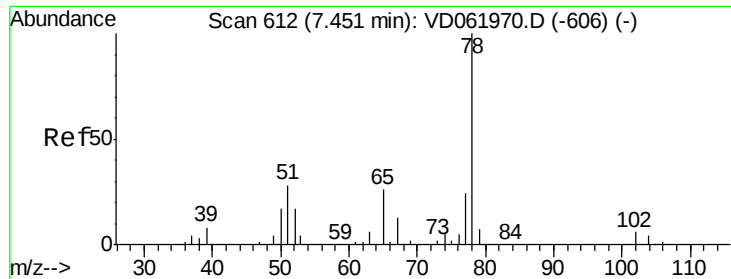
Tot Ion: 43 Resp: 1369
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD062043.D
Acq: 25 Apr 2019 17:21

Tgt Ion: 56 Resp: 7644
Ion Ratio Lower Upper
56 100
69 231.6 25.8 38.6#
84 143.6 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 57.357 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

Instrument :

MSVOA_D

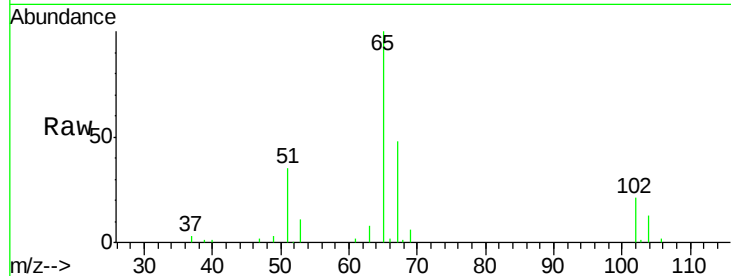
ClientSampleId :

Tot Ion: 65 Resp: 208654

Ion Ratio Lower Upper

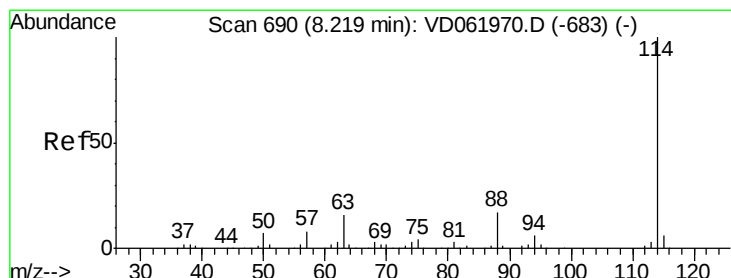
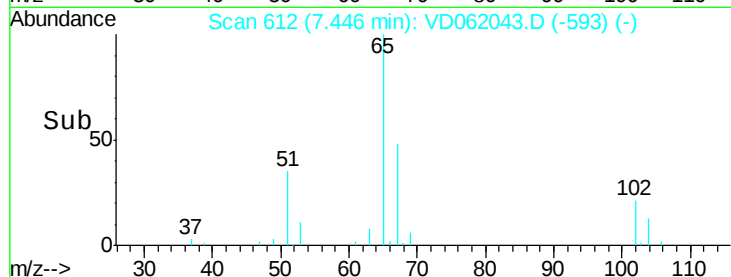
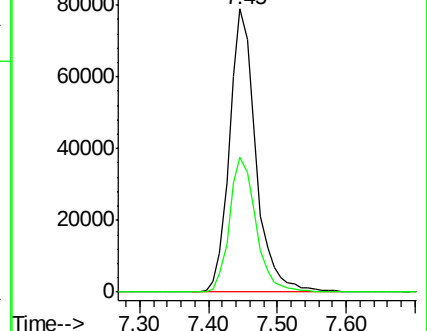
65 100

67 47.9 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: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

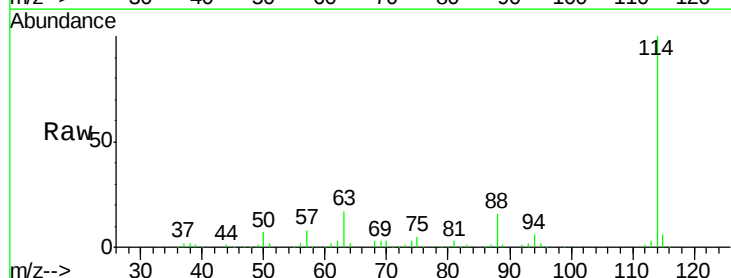
Tgt Ion: 114 Resp: 737924

Ion Ratio Lower Upper

114 100

63 16.5 0.0 32.4

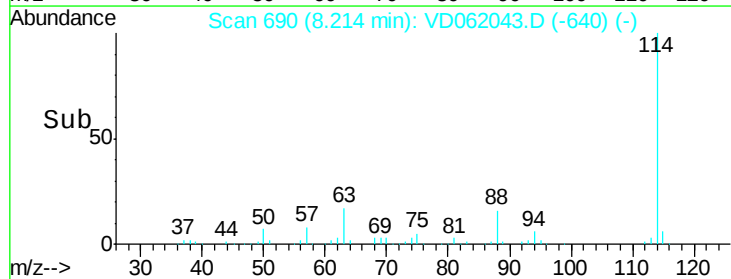
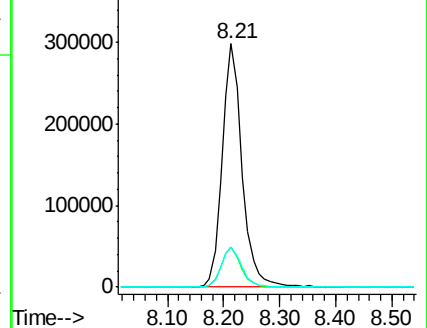
88 16.5 0.0 33.6

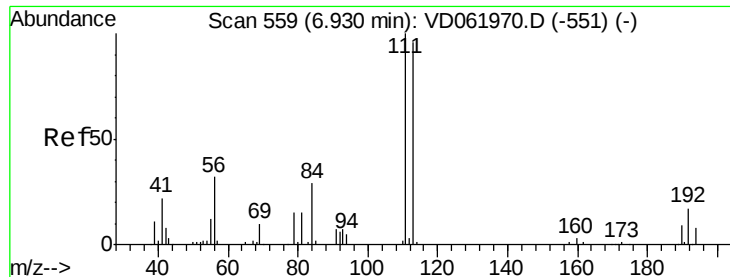


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.244 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

Instrument :

MSVOA_D

ClientSampled :

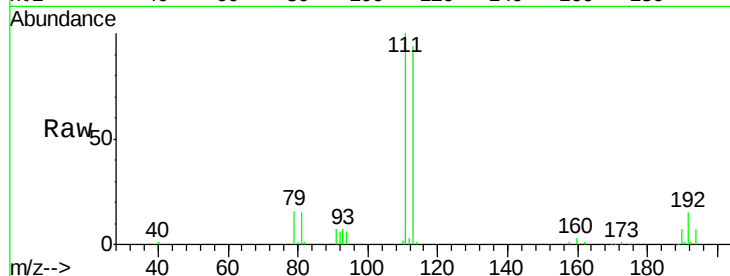
Tot Ion:113 Resp: 281934

Ion Ratio Lower Upper

113 100

111 106.1 78.5 117.7

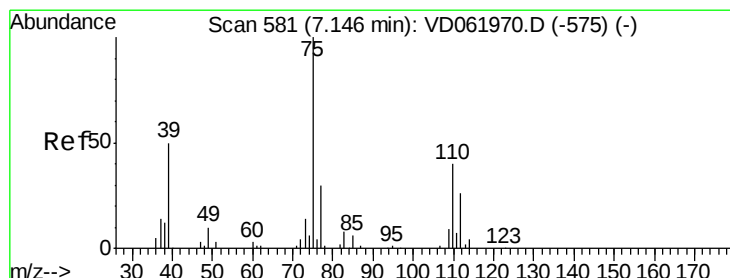
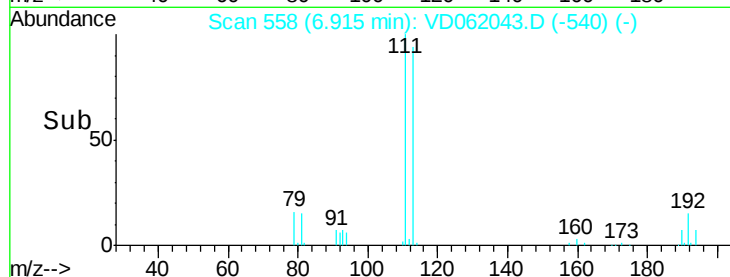
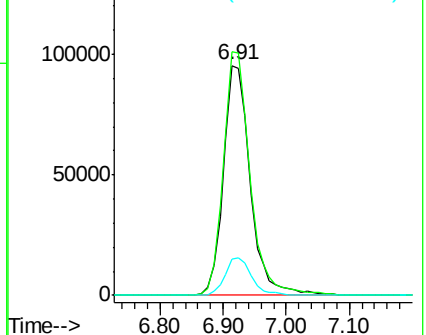
192 15.8 13.0 19.4



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: 5.679 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

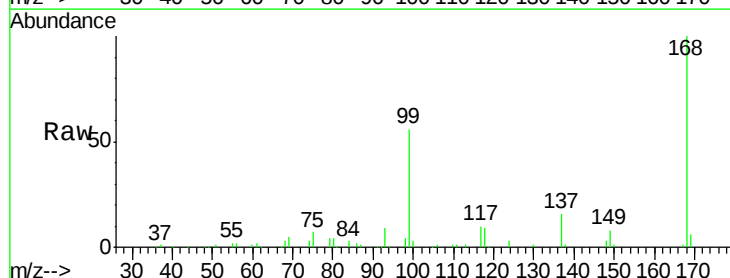
Tgt Ion: 75 Resp: 32649

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.1#

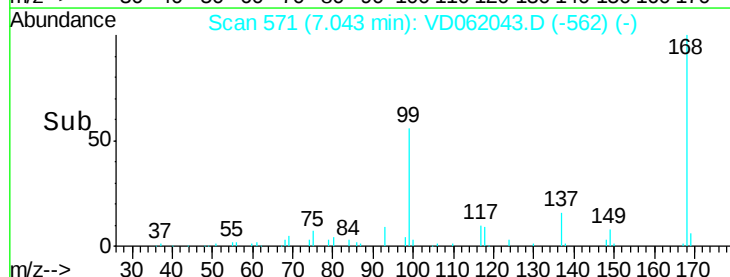
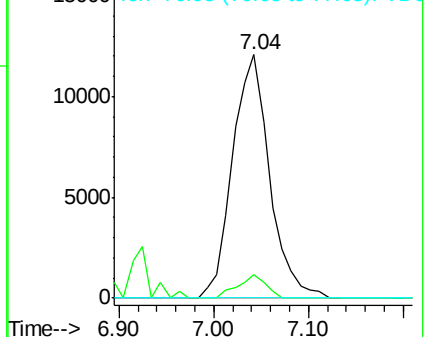
77 0.0 25.6 38.4#

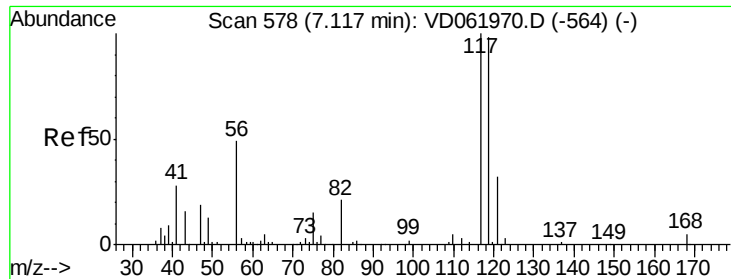


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.275 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

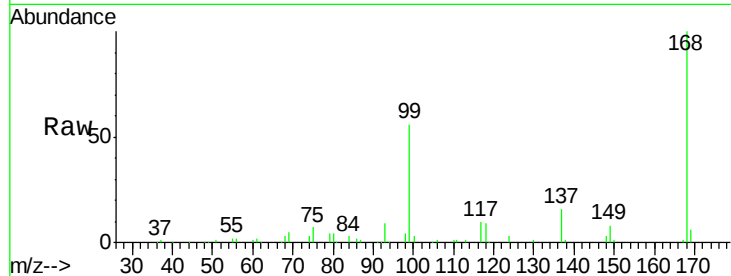
Tot Ion:117 Resp: 45716

Ion Ratio Lower Upper

117 100

119 3.4 75.8 113.8#

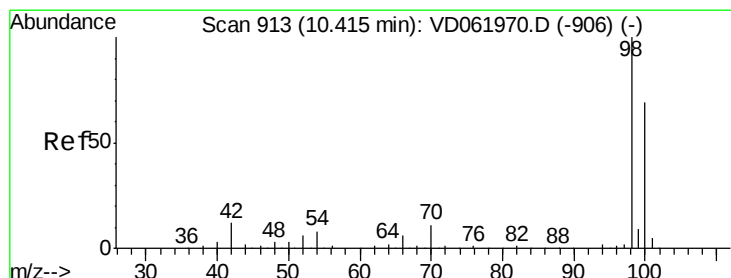
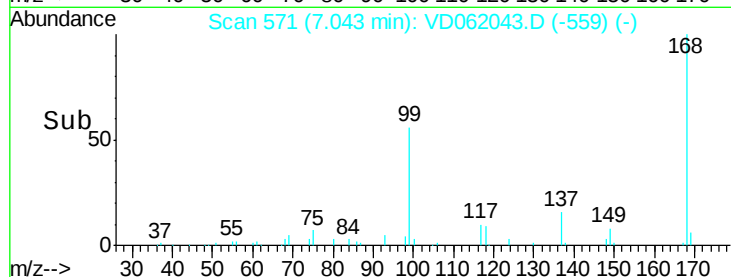
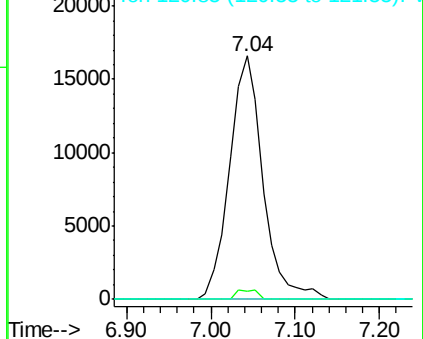
121 0.0 25.9 38.9#



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: 47.795 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062043.D

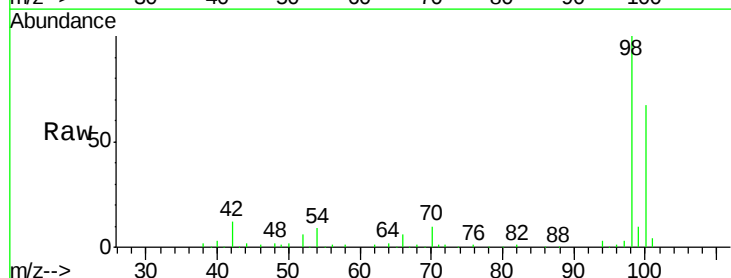
Acq: 25 Apr 2019 17:21

Tgt Ion: 98 Resp: 580406

Ion Ratio Lower Upper

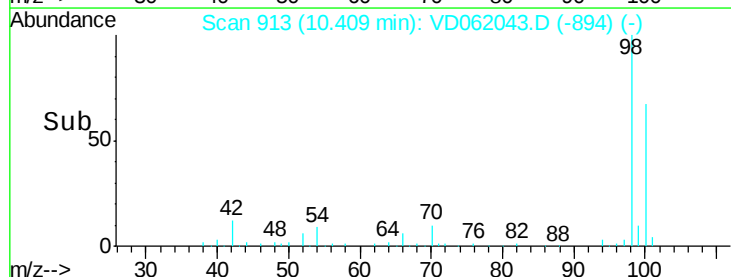
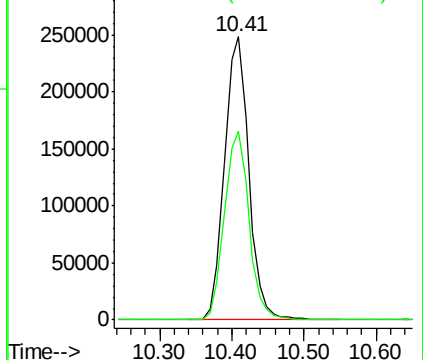
98 100

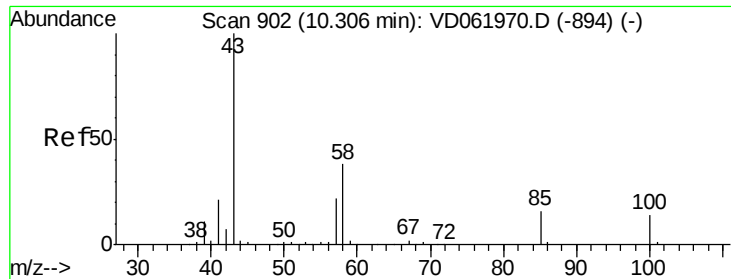
100 66.5 53.8 80.8



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: 1.083 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

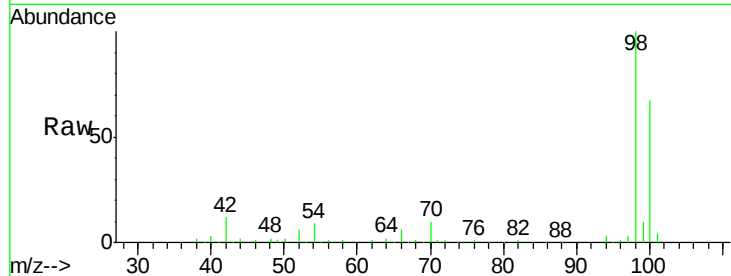
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2371

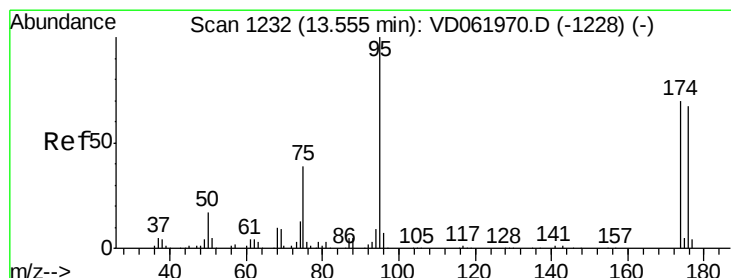
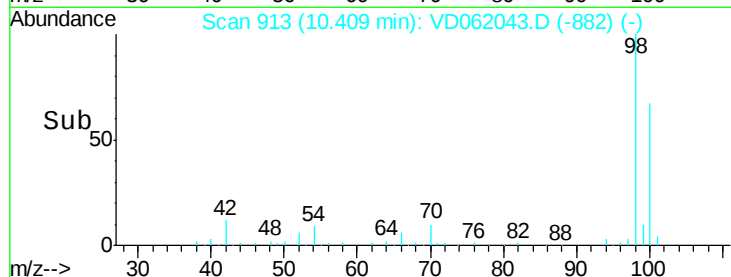
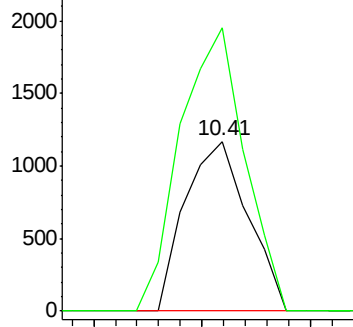
Ion Ratio Lower Upper

43 100

58 167.0 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: 40.699 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

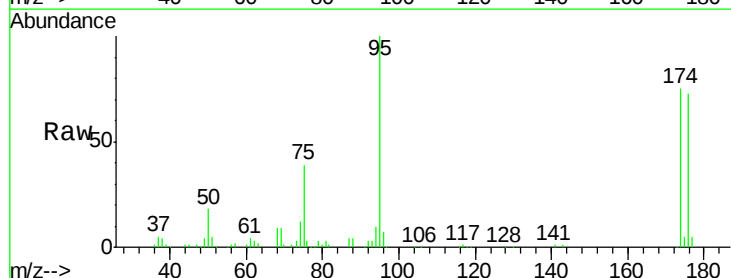
Tgt Ion: 95 Resp: 198236

Ion Ratio Lower Upper

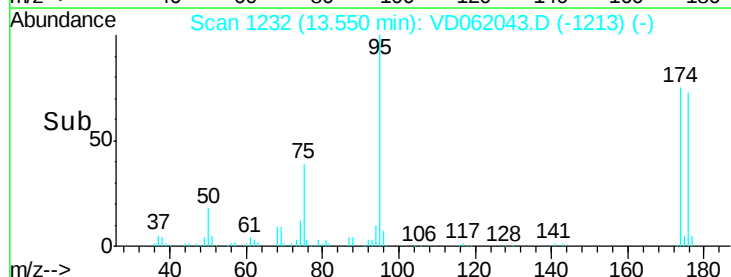
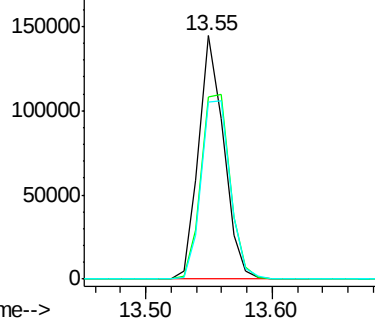
95 100

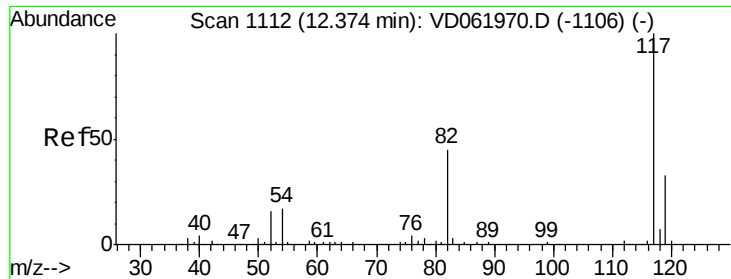
174 75.0 0.0 181.8

176 72.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

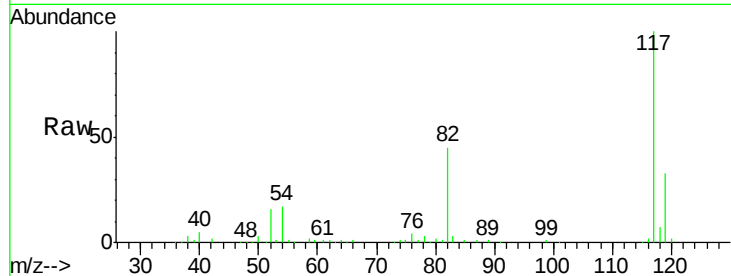




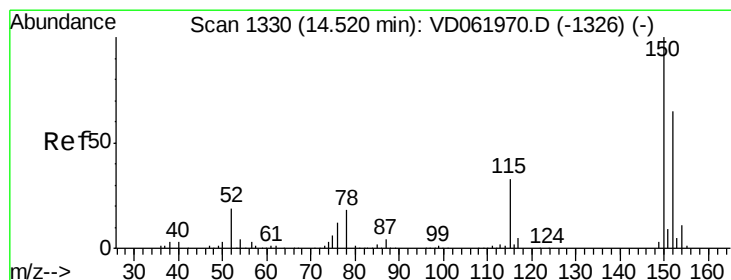
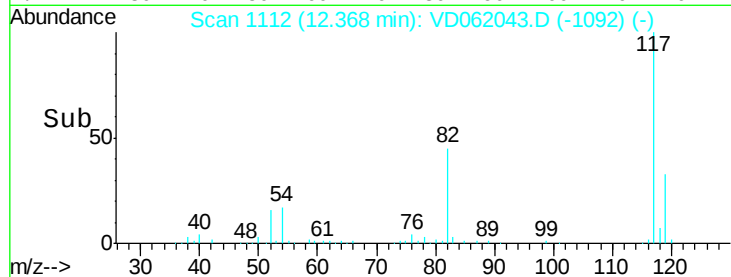
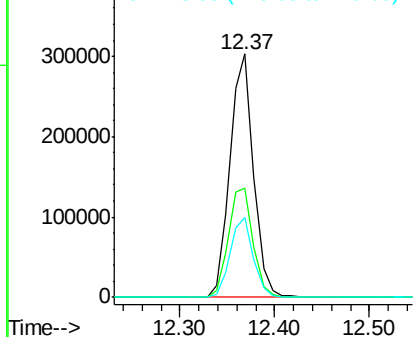
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062043.D
Acq: 25 Apr 2019 17:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 519885
Ion Ratio Lower Upper
117 100
82 45.0 36.2 54.2
119 32.7 26.2 39.4

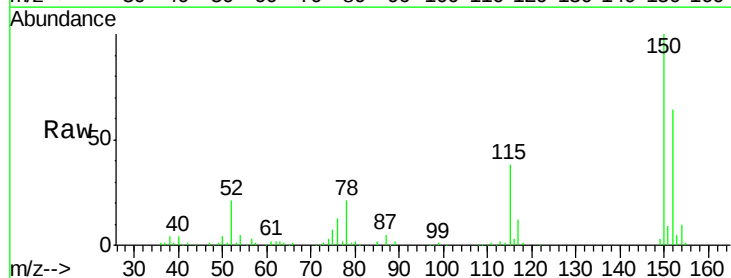


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

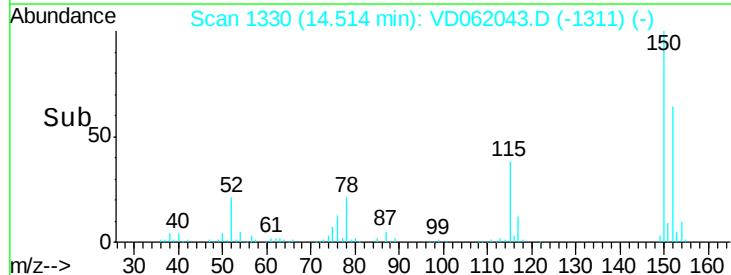
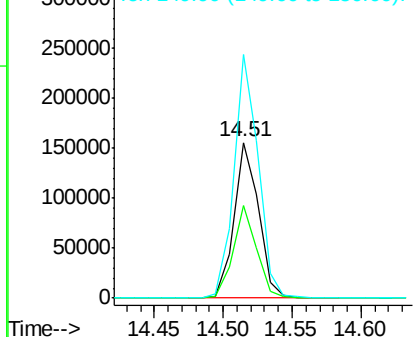


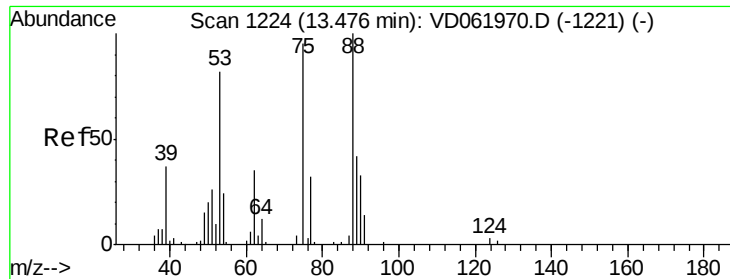
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062043.D
Acq: 25 Apr 2019 17:21

Tgt Ion:152 Resp: 193097
Ion Ratio Lower Upper
152 100
115 59.8 30.9 92.7
150 156.4 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





#81

trans-1,4-Dichloro-2-butene

Concen: 102.488 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

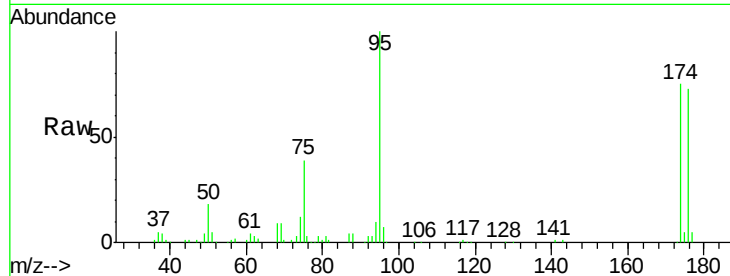
Tot Ion: 75 Resp: 76155

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

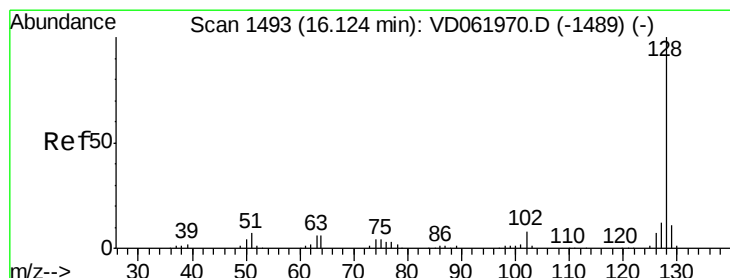
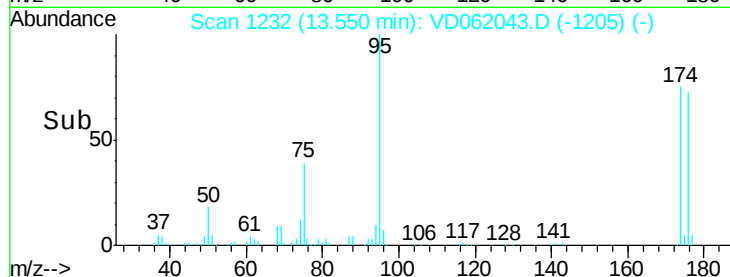
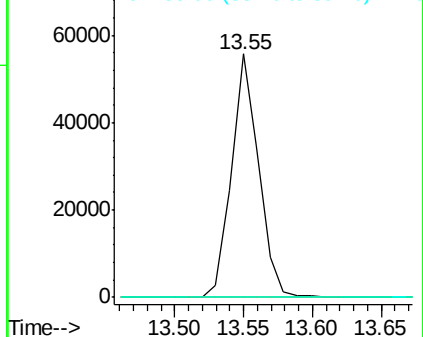
89 0.0 35.0 52.6#



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



#95

Naphthalene

Concen: 2.450 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062043.D

Acq: 25 Apr 2019 17:21

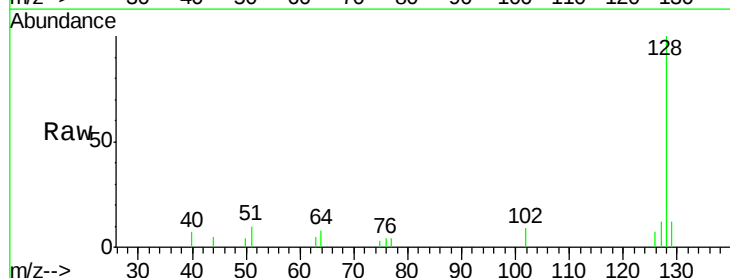
Tgt Ion: 128 Resp: 11394

Ion Ratio Lower Upper

128 100

127 12.3 9.8 14.8

129 11.9 8.8 13.2



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

