

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\NOT REVIEWED DATA\
 Data File : VD062018.D
 Acq On : 25 Apr 2019 4:01
 Operator : VA/AP
 Sample : K2542-06
 Misc : 4.89g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 05:10:15 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	7.06	168	609214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	948611	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	809948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	395380	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	242457	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	6.94	113	331132	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.42	98	714027	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
62) 4-Bromofluorobenzene	13.56	95	287442	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

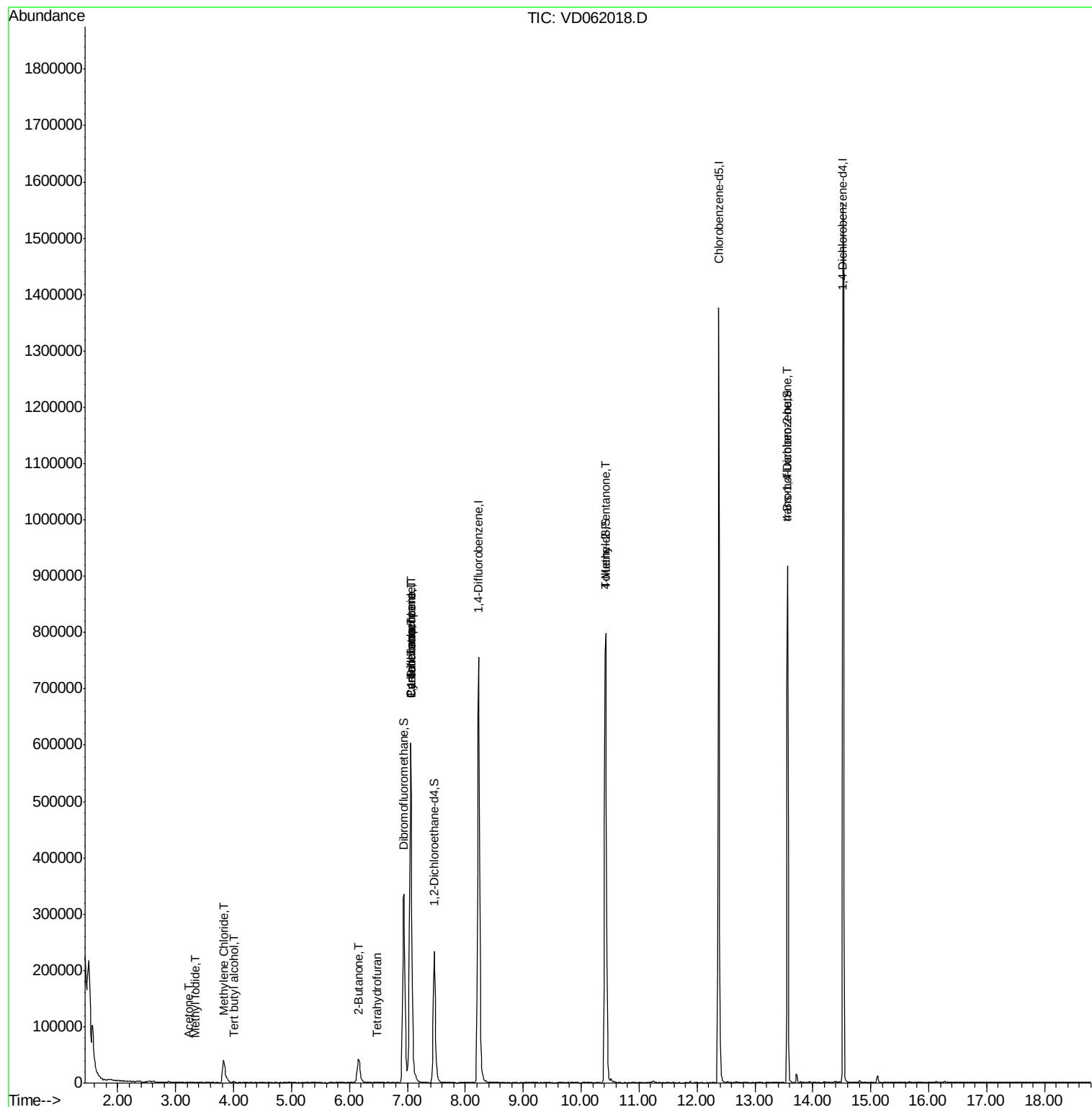
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	420	Below Cal	#	12
10) Methyl Iodide	3.35	142	195	5.448	ug/l #	37
11) Tert butyl alcohol	4.02	59	1747	6.485	ug/l #	76
16) Acetone	3.23	43	1791	1.573	ug/l #	50
18) Methyl Acetate	3.64	43	185	Below Cal	#	53
20) Methylene Chloride	3.83	84	34071	3.160	ug/l #	89
25) 2-Butanone	6.14	43	2376	1.721	ug/l #	56
29) Tetrahydrofuran	6.48	42	847	1.245	ug/l #	30
31) Cyclohexane	7.06	56	9904	1.394	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	44398	6.007	ug/l #	47
38) Carbon Tetrachloride	7.06	117	58247	6.219	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	2878	1.023	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	115308	75.787	ug/l #	16

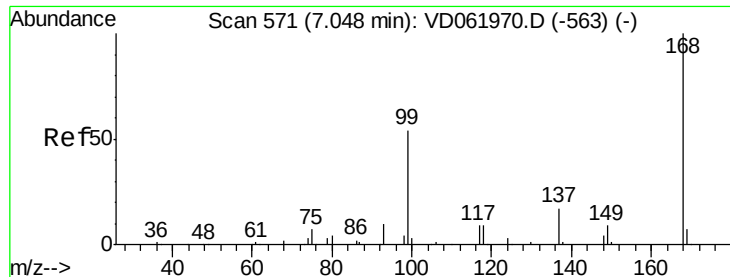
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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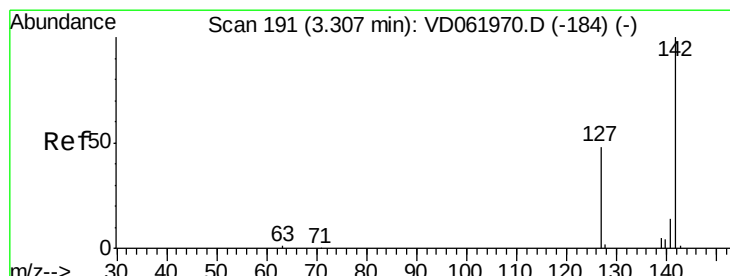
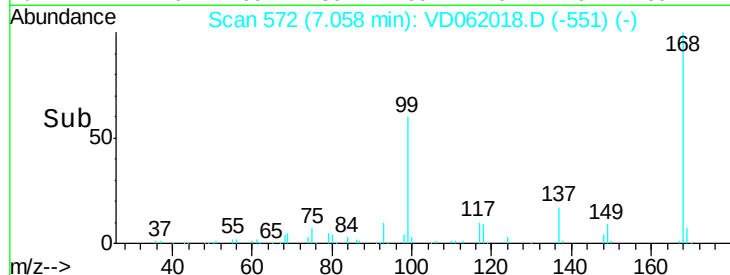
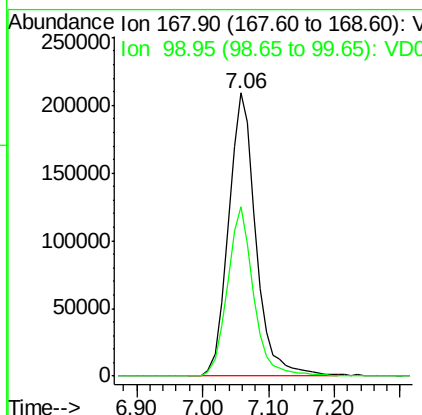
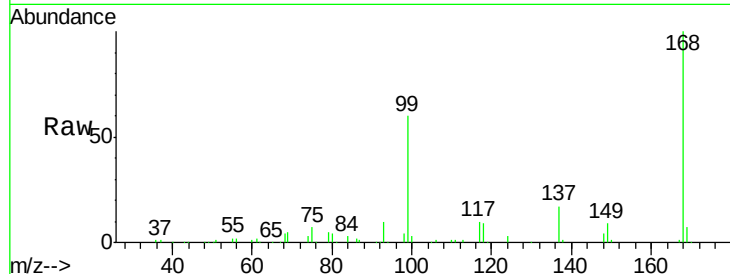




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD062018.D
Acq: 25 Apr 2019 4:01

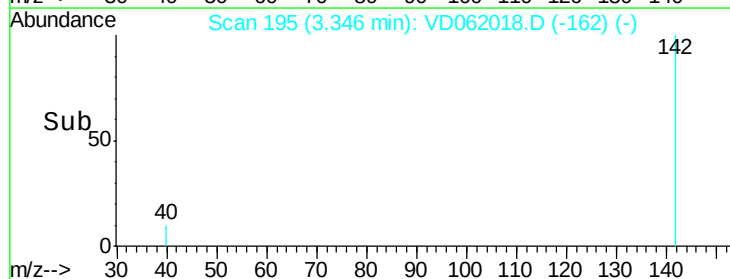
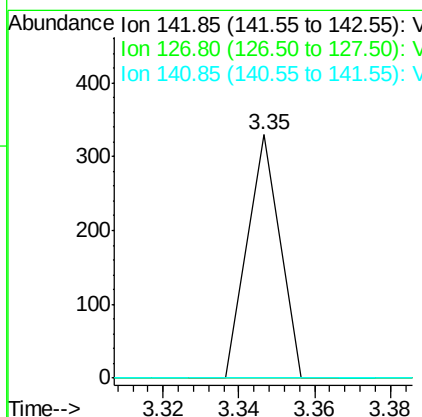
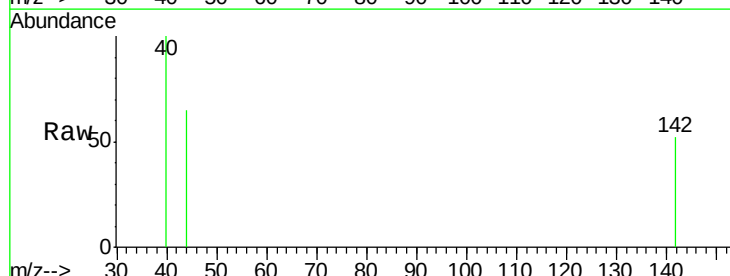
Instrument :
MSVOA_D
ClientSampleId :

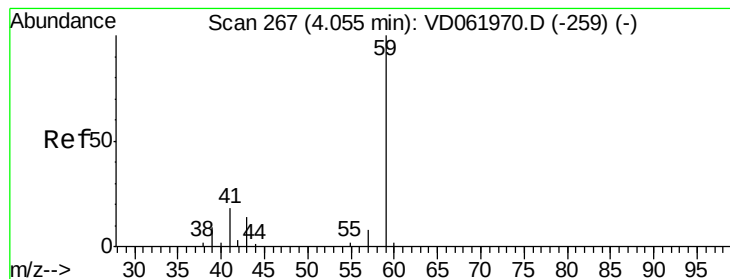
Tot Ion:168 Resp: 609214
Ion Ratio Lower Upper
168 100
99 60.0 46.5 69.7



#10
Methyl Iodide
Concen: 5.448 ug/l
RT: 3.35 min Scan# 195
Delta R.T. 0.03 min
Lab File: VD062018.D
Acq: 25 Apr 2019 4:01

Tgt Ion:142 Resp: 195
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



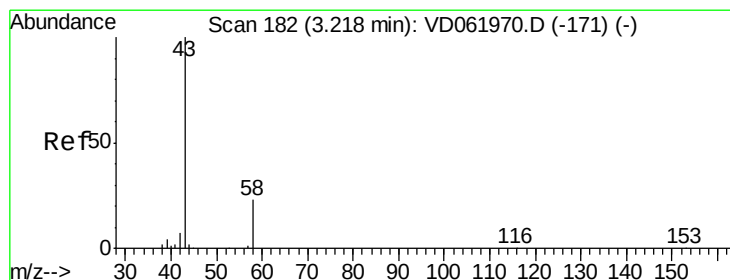
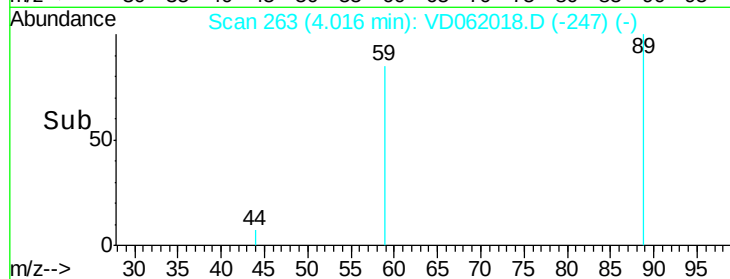
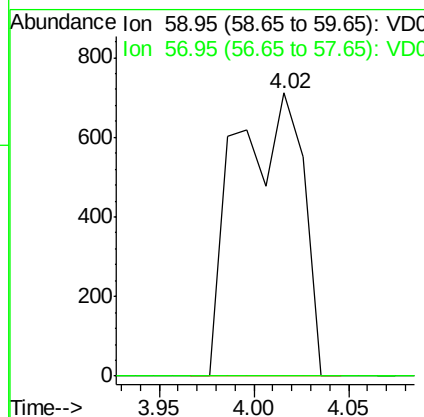
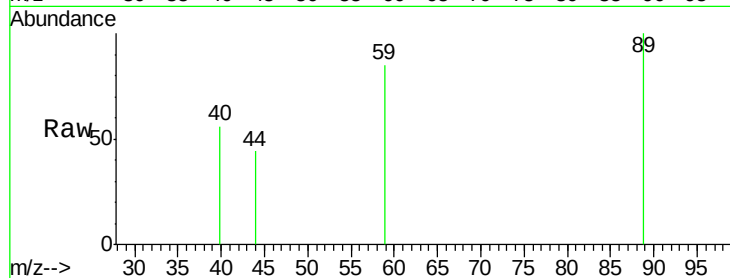


#11

Tert butyl alcohol
 Concen: 6.485 ug/l
 RT: 4.02 min Scan# 263
 Delta R.T. -0.04 min
 Lab File: VD062018.D
 Acq: 25 Apr 2019 4:01

Instrument :
 MSVOA_D
 ClientSampleId :

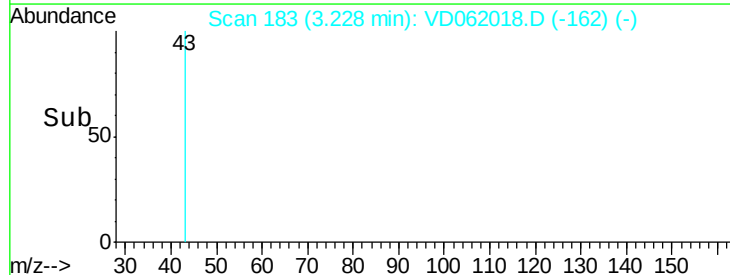
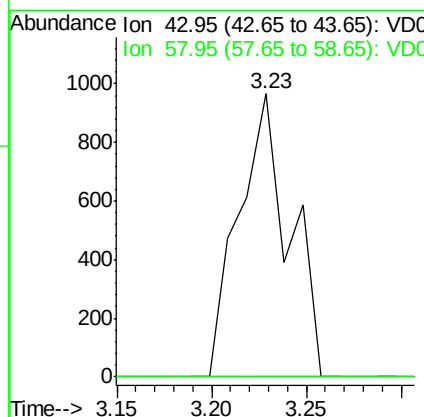
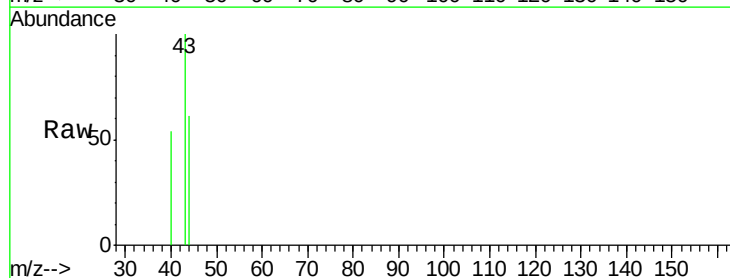
Tot Ion: 59 Resp: 1747
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

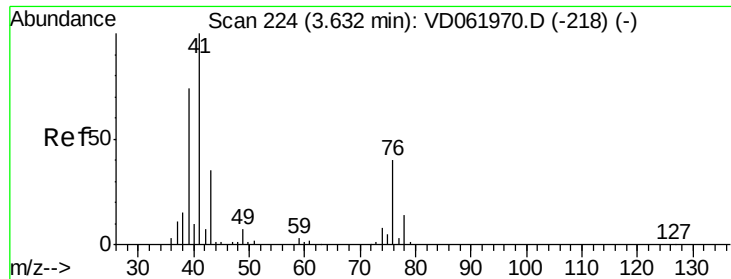


#16

Acetone
 Concen: 1.573 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD062018.D
 Acq: 25 Apr 2019 4:01

Tgt Ion: 43 Resp: 1791
 Ion Ratio Lower Upper
 43 100
 58 0.0 19.9 29.9#

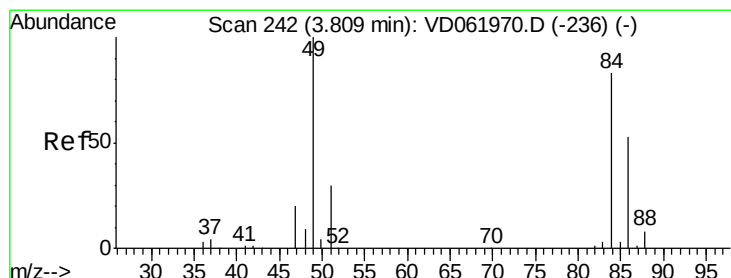
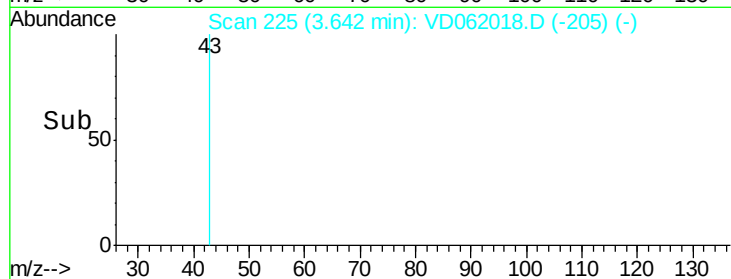
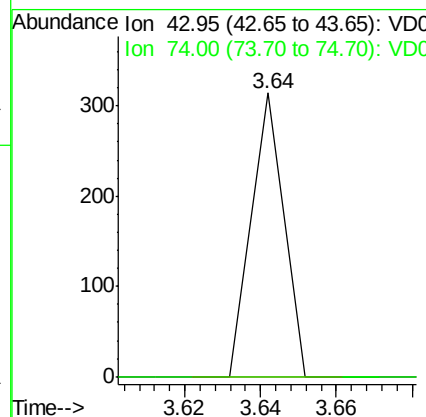
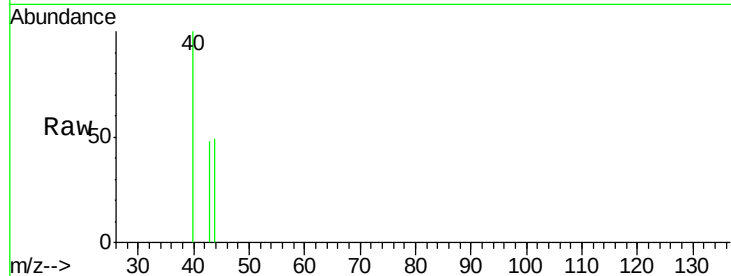




#18
Methyl Acetate
Concen: Below Cal
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062018.D
Acq: 25 Apr 2019 4:01

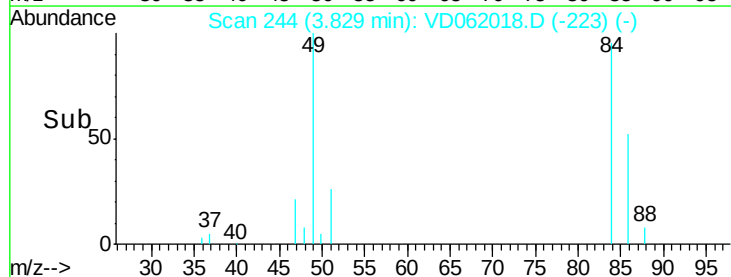
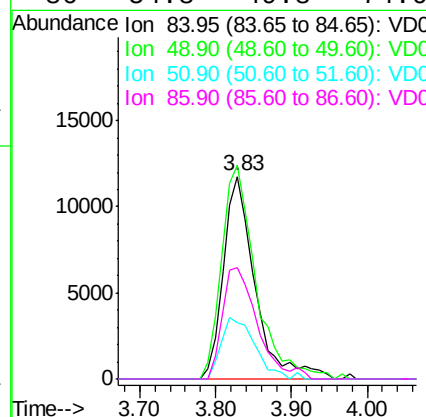
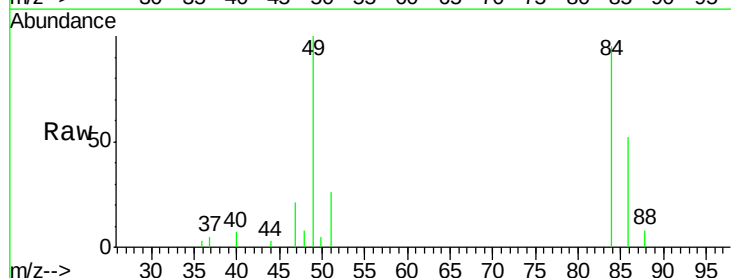
Instrument :
MSVOA_D
ClientSampleId :

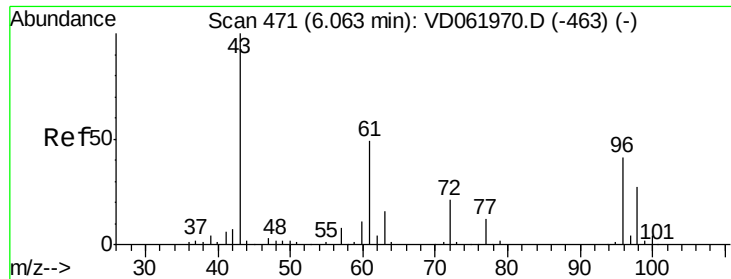
Tot Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 3.160 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062018.D
Acq: 25 Apr 2019 4:01

Tgt Ion: 84 Resp: 34071
Ion Ratio Lower Upper
84 100
49 105.5 94.0 141.0
51 27.8 29.0 43.4#
86 54.8 49.8 74.6

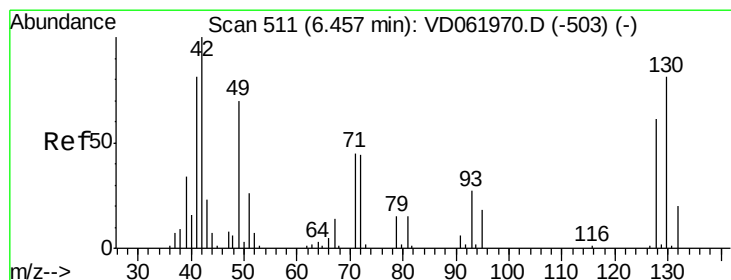
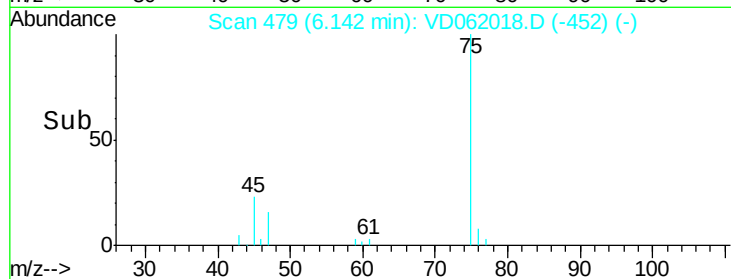
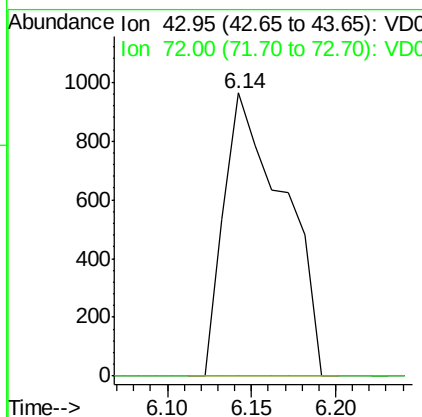
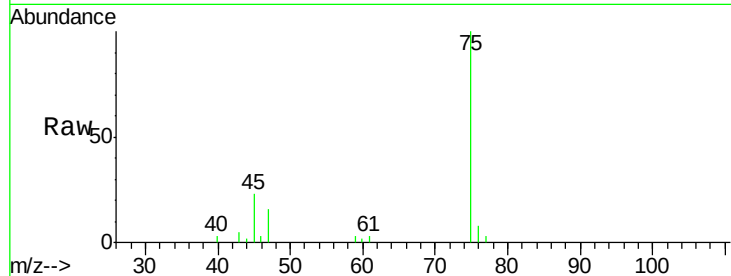




#25
 2-Butanone
 Concen: 1.721 ug/l
 RT: 6.14 min Scan# 479
 Delta R.T. 0.06 min
 Lab File: VD062018.D
 Acq: 25 Apr 2019 4:01

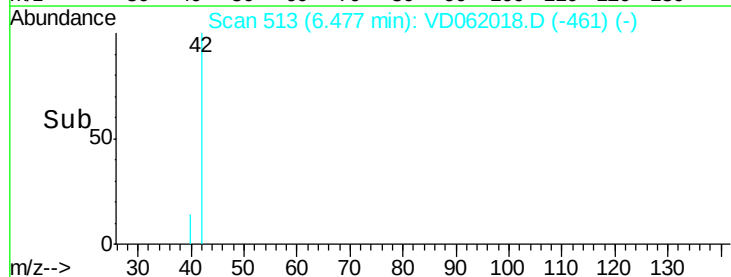
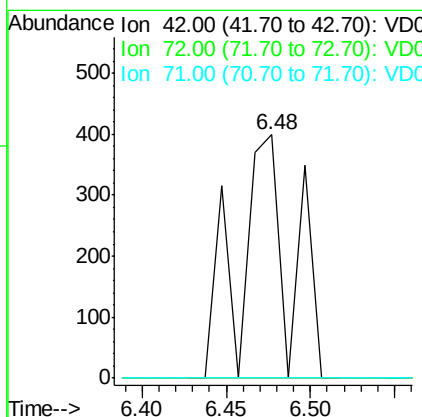
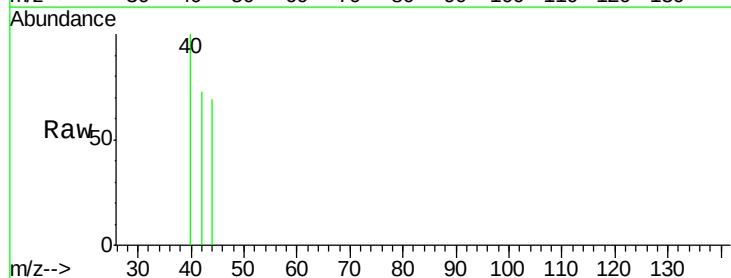
Instrument :
 MSVOA_D
 ClientSampleID :

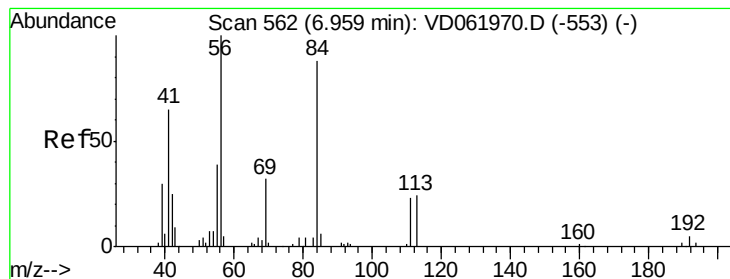
Tot Ion: 43 Resp: 2376
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.2 24.4#



#29
 Tetrahydrofuran
 Concen: 1.245 ug/l
 RT: 6.48 min Scan# 513
 Delta R.T. 0.02 min
 Lab File: VD062018.D
 Acq: 25 Apr 2019 4:01

Tgt Ion: 42 Resp: 847
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.8 56.6#
 71 0.0 36.7 55.1#





#31

Cyclohexane

Concen: 1.394 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062018.D

Acq: 25 Apr 2019 4:01

Instrument :

MSVOA_D

ClientSampleId :

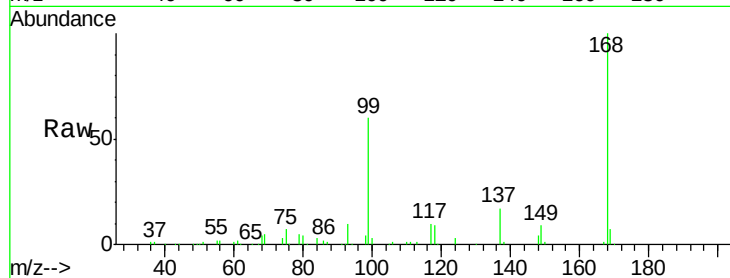
Tot Ion: 56 Resp: 9904

Ion Ratio Lower Upper

56 100

69 258.2 25.8 38.6#

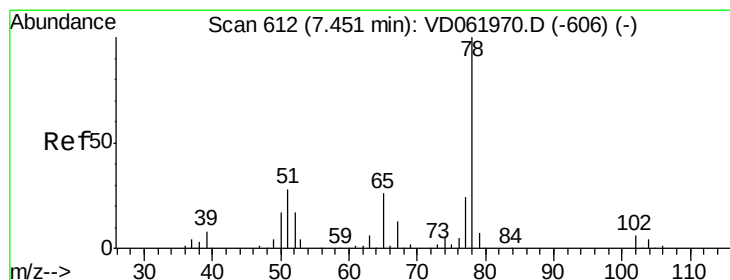
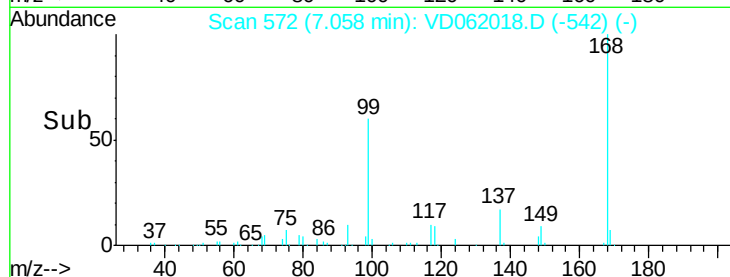
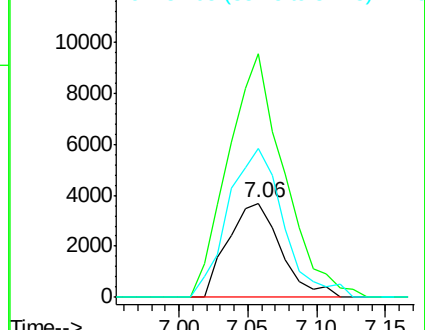
84 158.4 72.2 108.4#



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: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD062018.D

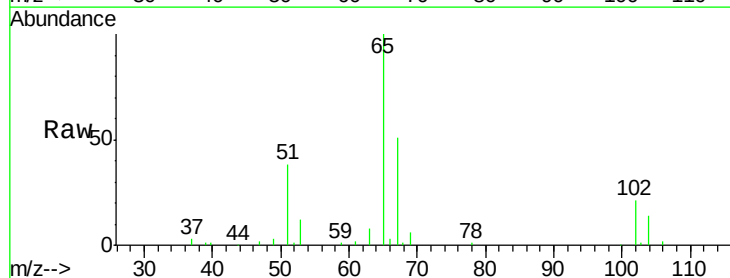
Acq: 25 Apr 2019 4:01

Tgt Ion: 65 Resp: 242457

Ion Ratio Lower Upper

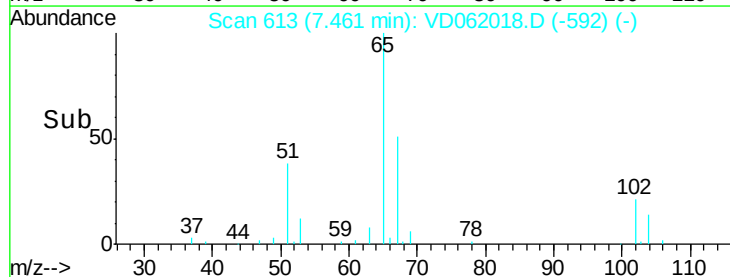
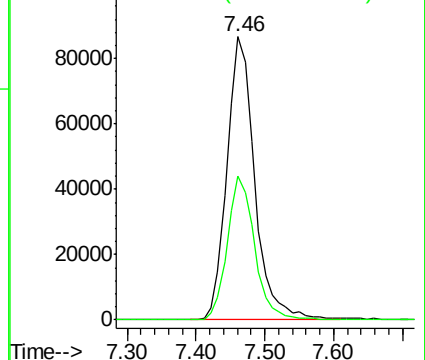
65 100

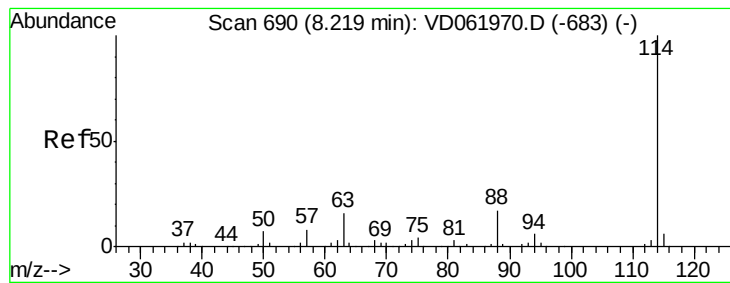
67 51.0 0.0 98.0



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062018.D

Acq: 25 Apr 2019 4:01

Instrument :
MSVOA_D
ClientSampleId :

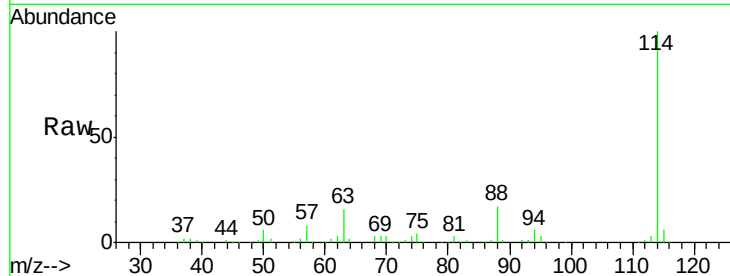
Tot Ion:114 Resp: 948611

Ion Ratio Lower Upper

114 100

63 16.1 0.0 32.4

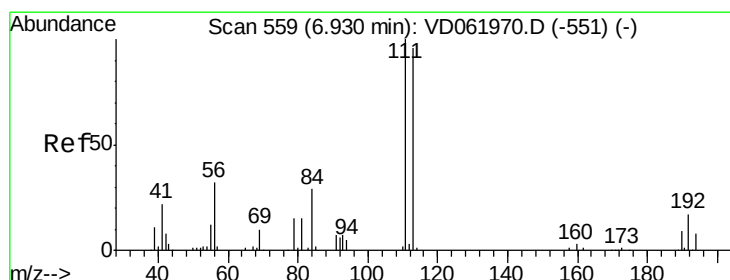
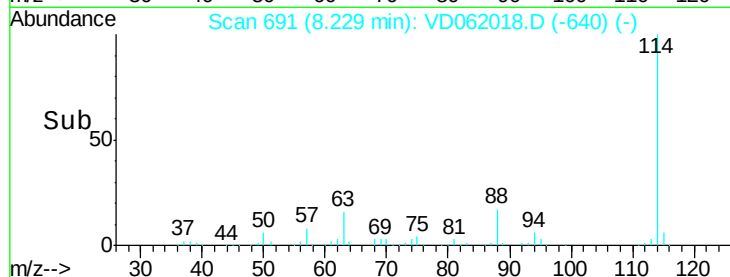
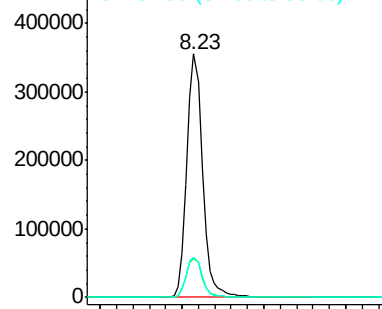
88 16.6 0.0 33.6



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: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062018.D

Acq: 25 Apr 2019 4:01

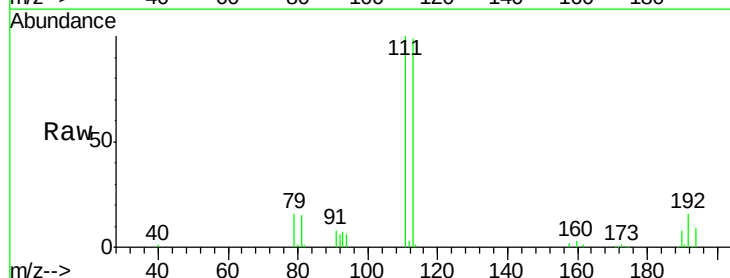
Tgt Ion:113 Resp: 331132

Ion Ratio Lower Upper

113 100

111 100.7 78.5 117.7

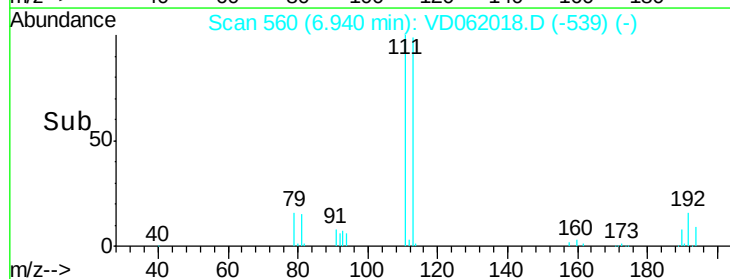
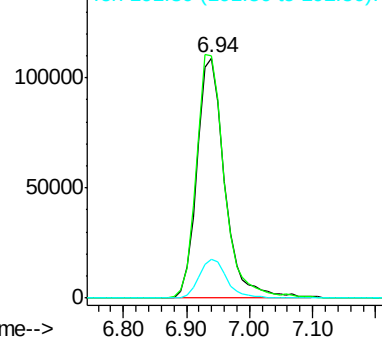
192 16.0 13.0 19.4

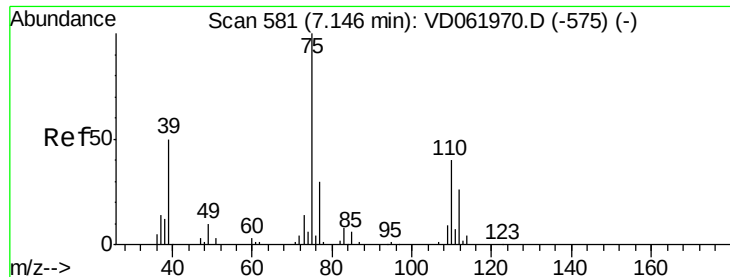


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

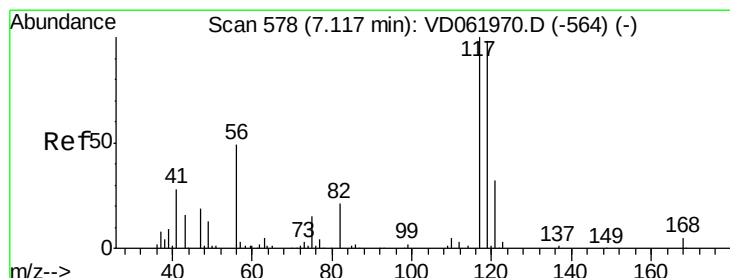
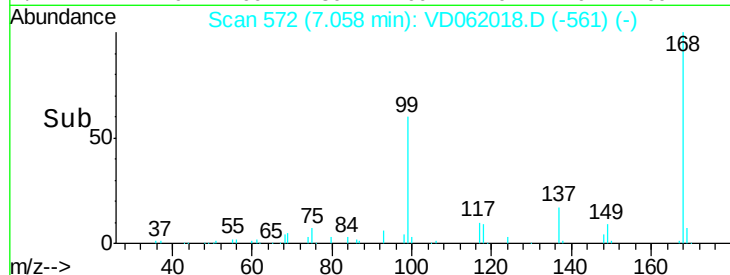
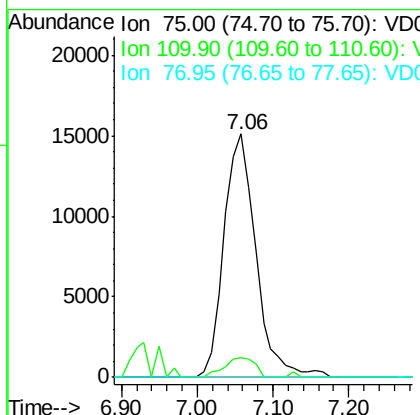
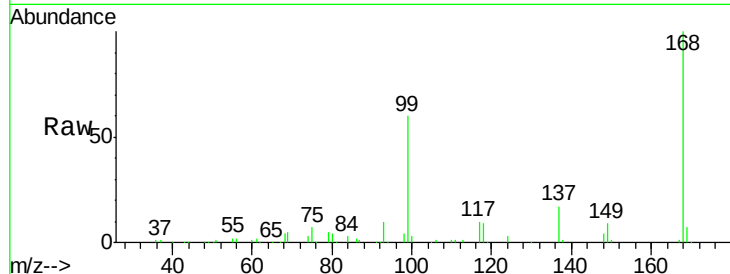




#36
 1,1-Dichloropropene
 Concen: 6.007 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD062018.D
 Acq: 25 Apr 2019 4:01

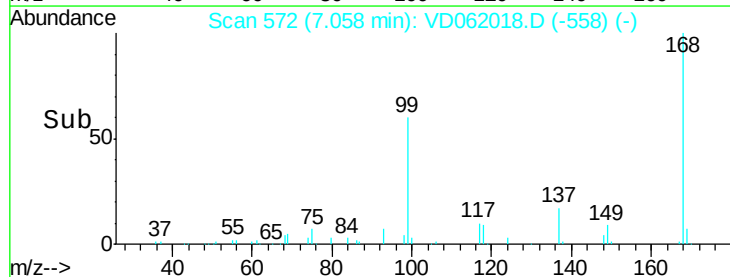
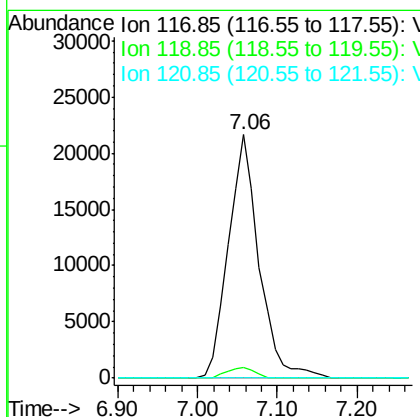
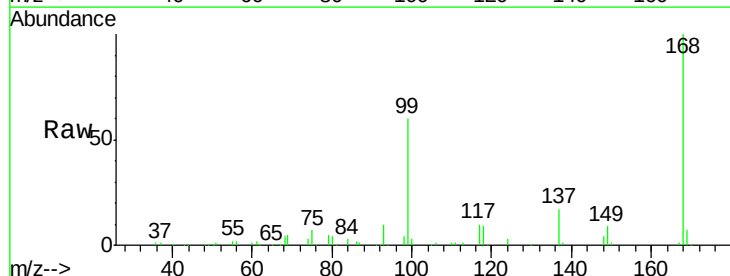
Instrument :
 MSVOA_D
 ClientSampleId :

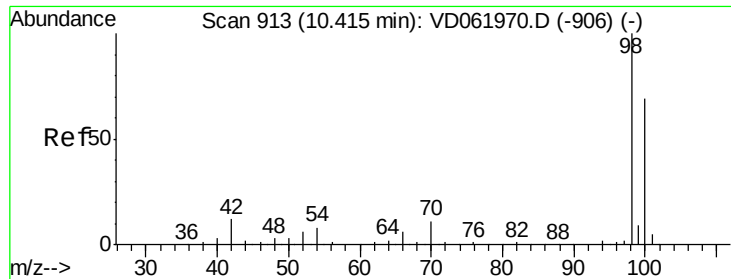
Tot Ion	75	Resp	44398
Ion Ratio	Lower	Upper	
75	100		
110	8.1	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.219 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062018.D
 Acq: 25 Apr 2019 4:01

Tgt Ion	117	Resp	58247
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.2	75.8	113.8#
121	0.0	25.9	38.9#

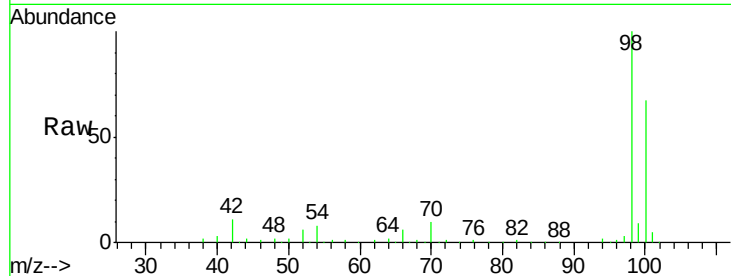




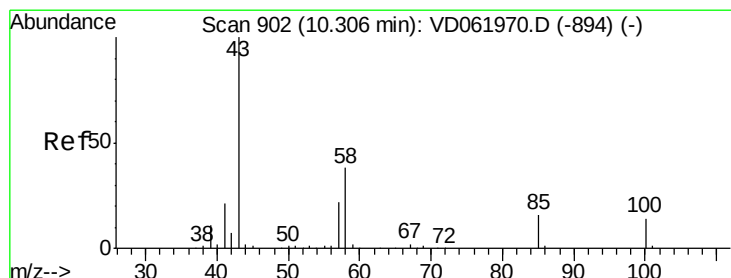
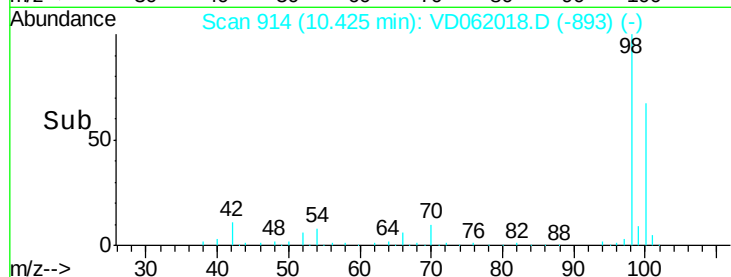
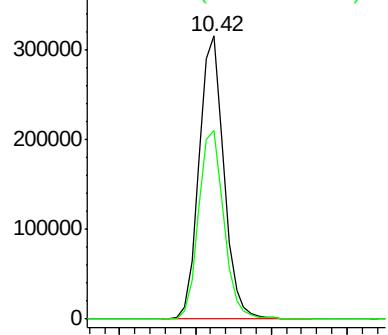
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062018.D
Acq: 25 Apr 2019 4:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 714027
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.8

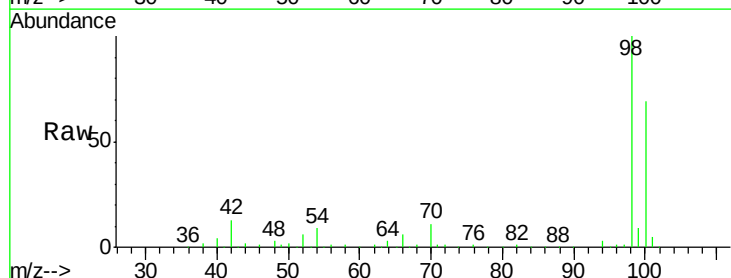


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

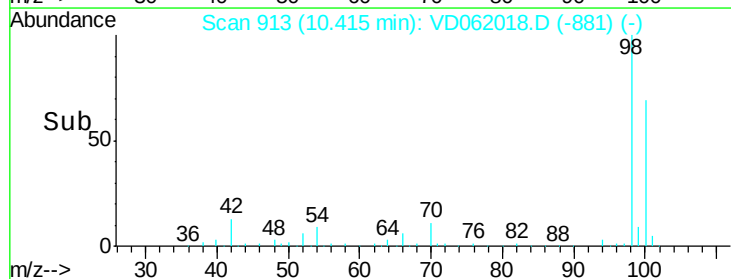
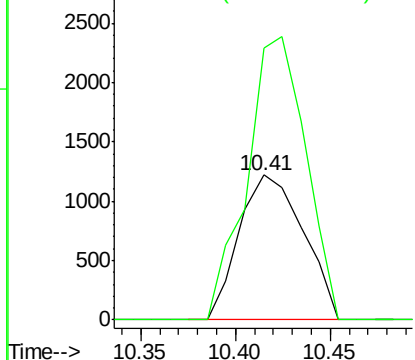


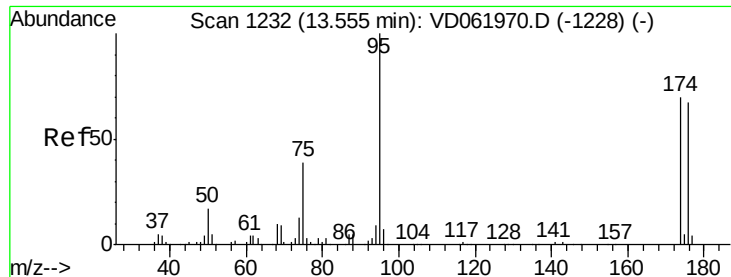
#51
4-Methyl-2-Pentanone
Concen: 1.023 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD062018.D
Acq: 25 Apr 2019 4:01

Tgt Ion: 43 Resp: 2878
Ion Ratio Lower Upper
43 100
58 187.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)

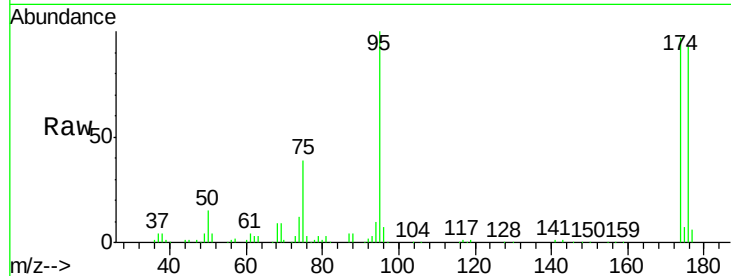




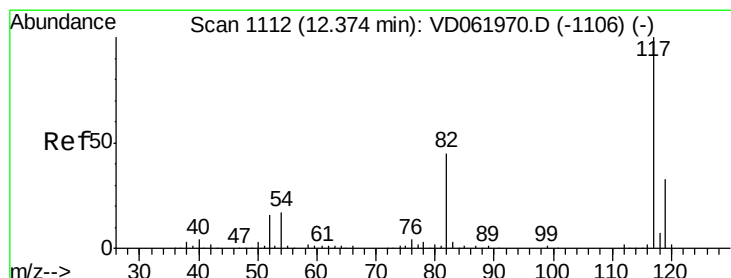
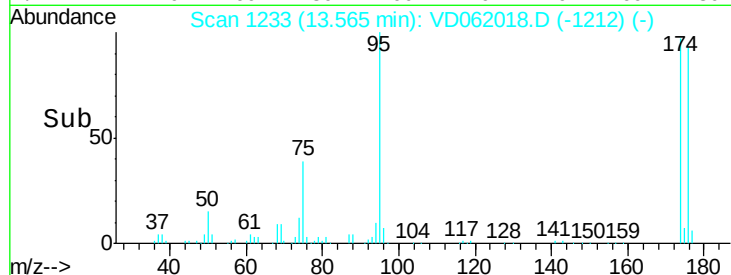
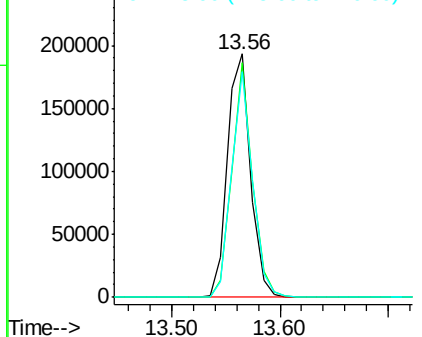
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062018.D
Acq: 25 Apr 2019 4:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 287442
Ion Ratio Lower Upper
95 100
174 96.6 0.0 181.8
176 92.5 0.0 174.4

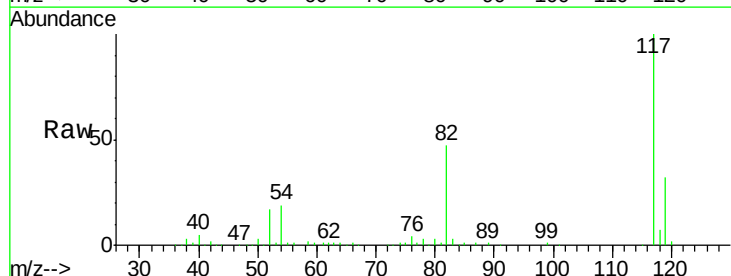


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

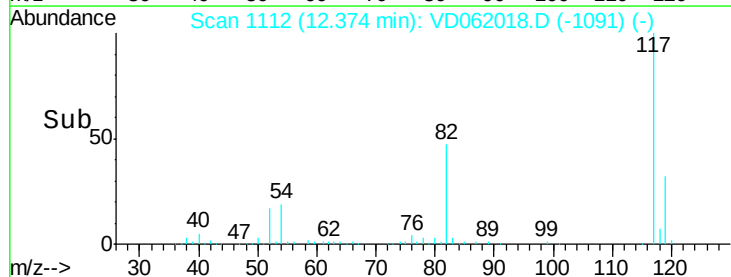
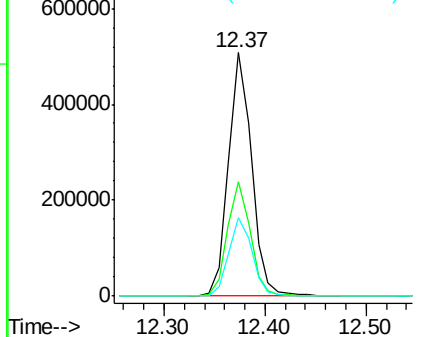


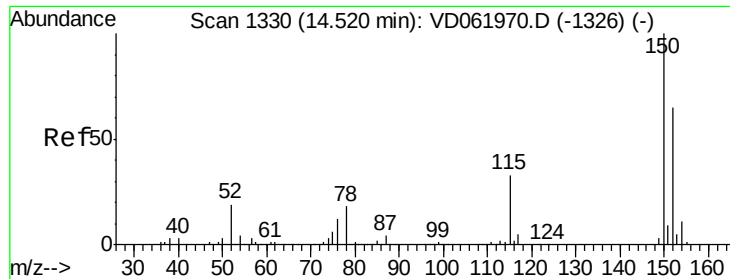
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062018.D
Acq: 25 Apr 2019 4:01

Tgt Ion: 117 Resp: 809948
Ion Ratio Lower Upper
117 100
82 47.2 36.2 54.2
119 32.4 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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062018.D

Acq: 25 Apr 2019 4:01

Instrument :

MSVOA_D

ClientSampleId :

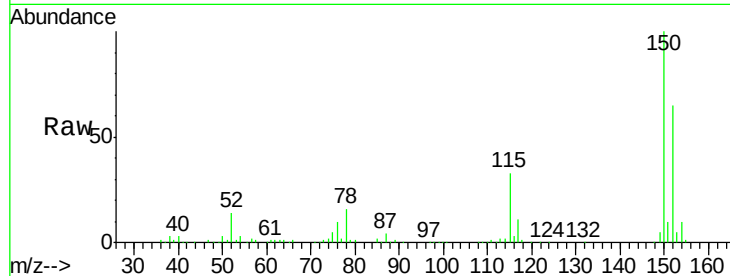
Tot Ion:152 Resp: 395380

Ion Ratio Lower Upper

152 100

115 51.5 30.9 92.7

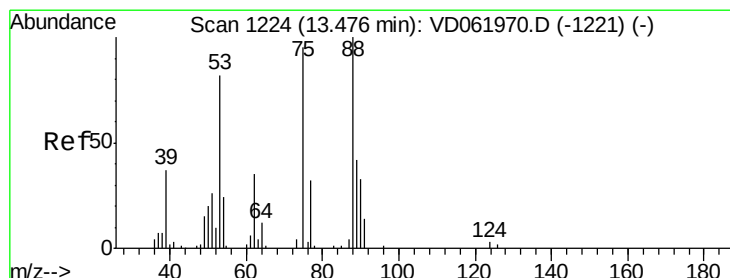
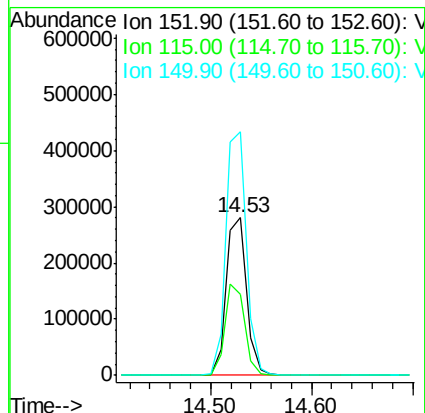
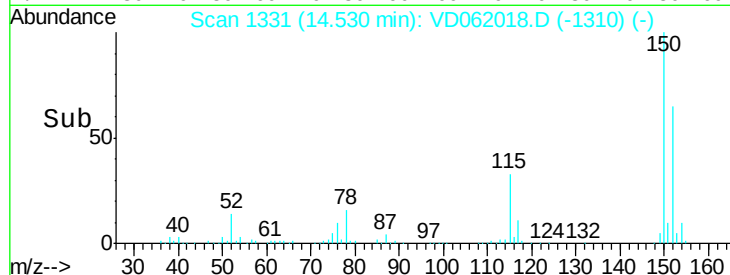
150 154.6 0.0 314.8



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: 75.787 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062018.D

Acq: 25 Apr 2019 4:01

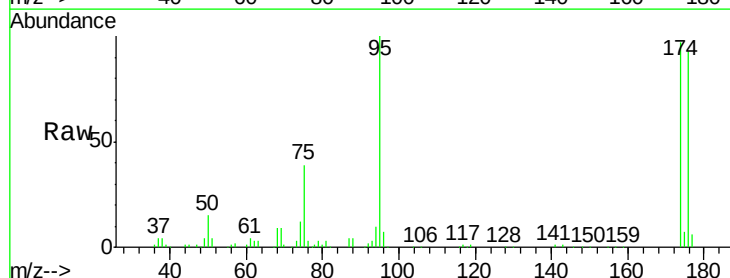
Tgt Ion: 75 Resp: 115308

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

