

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063020.D
 Acq On : 3 Jul 2019 12:52
 Operator : VA/AP
 Sample : K3645-02
 Misc : 4.50g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-010

Quant Time: Jul 04 00:45:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	992175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1290887	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1110188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	574711	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	518036	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	6.94	113	42190	3.88	ug/l	0.00
Spiked Amount			Recovery	=	7.76%	
50) Toluene-d8	10.41	98	1114839	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
62) 4-Bromofluorobenzene	13.55	95	452084	41.97	ug/l	0.00
Spiked Amount			Recovery	=	83.94%	

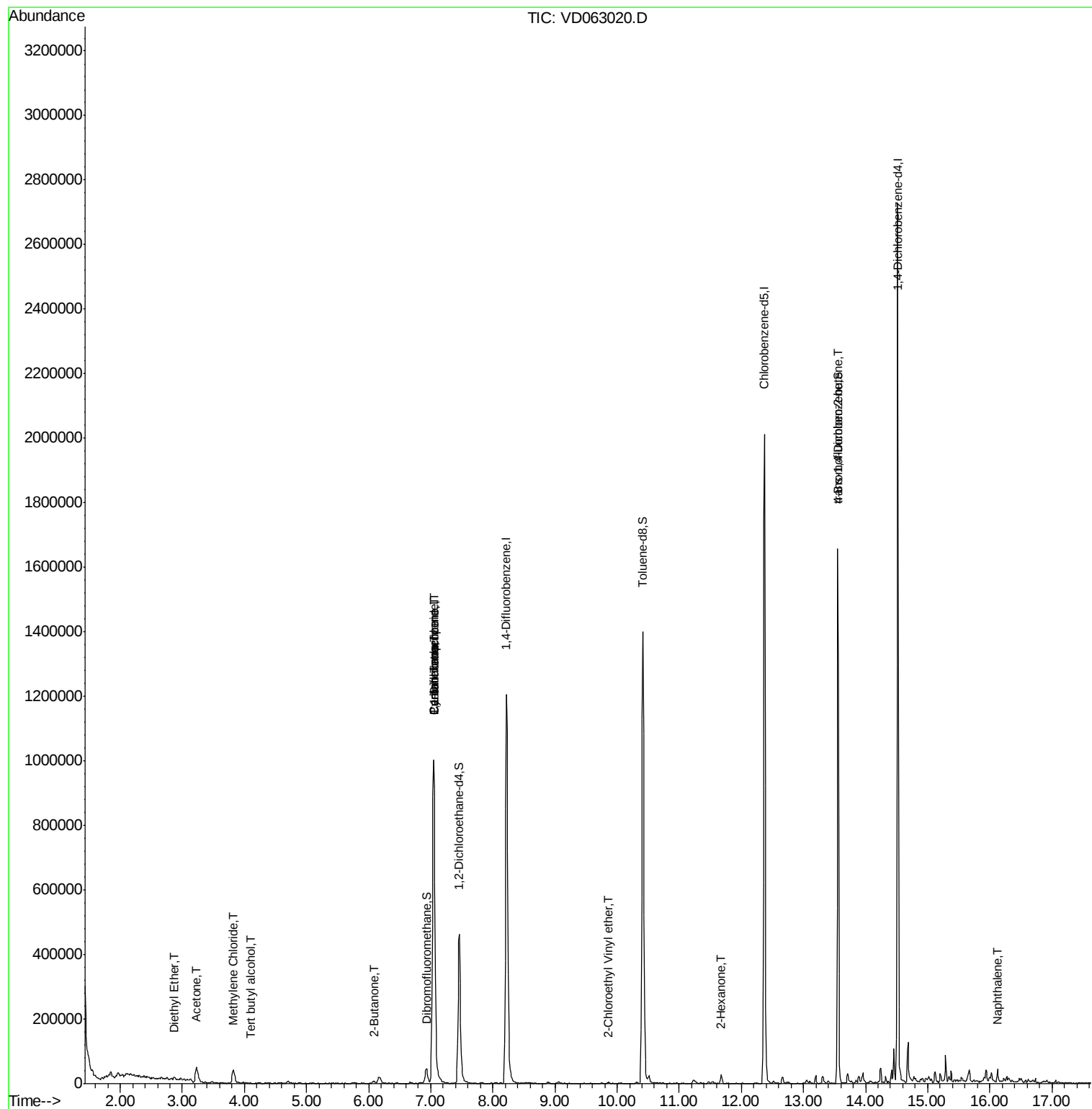
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	2894	1.176	ug/l	58
11) Tert butyl alcohol	4.10	59	671	1.366	ug/l #	77
16) Acetone	3.23	43	99873	39.783	ug/l	98
20) Methylene Chloride	3.81	84	29743	3.616	ug/l	84
25) 2-Butanone	6.07	43	10820	5.364	ug/l #	64
31) Cyclohexane	7.04	56	23453	2.316	ug/l #	9
36) 1,1-Dichloropropene	7.05	75	73327	6.001	ug/l #	53
37) Ethyl Acetate	6.17	43	2240	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	100514	5.469	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.87	63	3245	1.044	ug/l #	47
59) 2-Hexanone	11.67	43	4340	1.342	ug/l	67
81) trans-1,4-Dichloro-2-buten	13.55	75	216243	124.361	ug/l #	2
95) Naphthalene	16.12	128	20891	1.255	ug/l	98

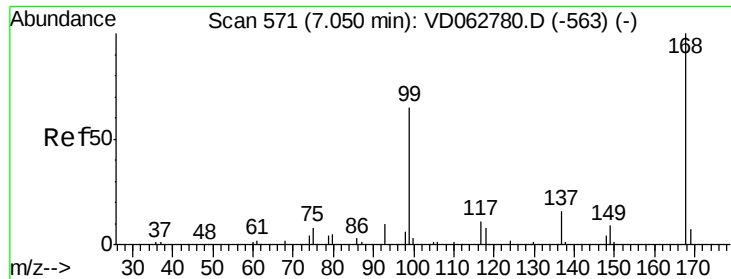
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063020.D

Acq: 3 Jul 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

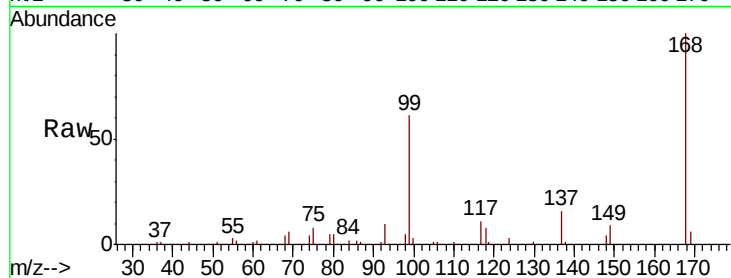
FK-0D015-03-010

Tot Ion:168 Resp: 992175

Ion Ratio Lower Upper

168 100

99 61.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

300000

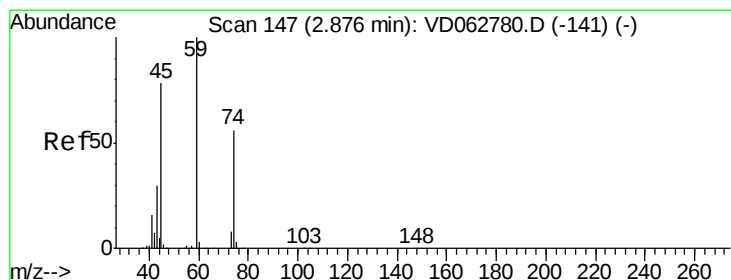
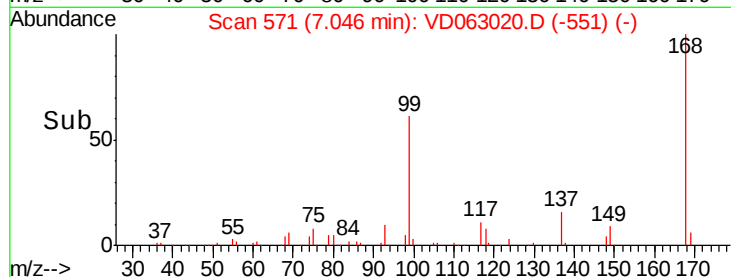
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#8

Diethyl Ether

Concen: 1.176 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD063020.D

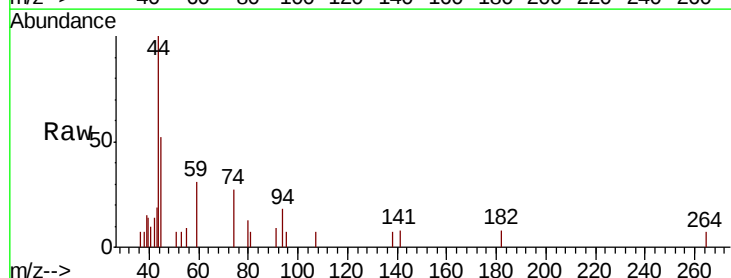
Acq: 3 Jul 2019 12:52

Tgt Ion: 74 Resp: 2894

Ion Ratio Lower Upper

74 100

45 192.0 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2500

2000

1500

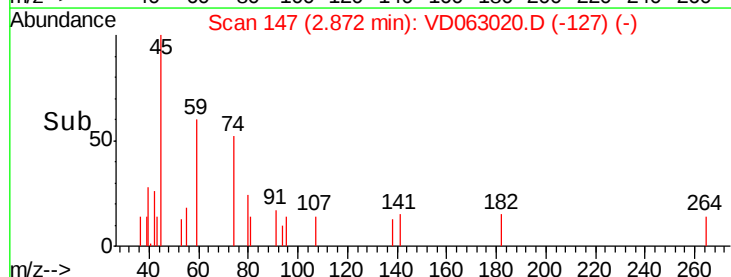
1000

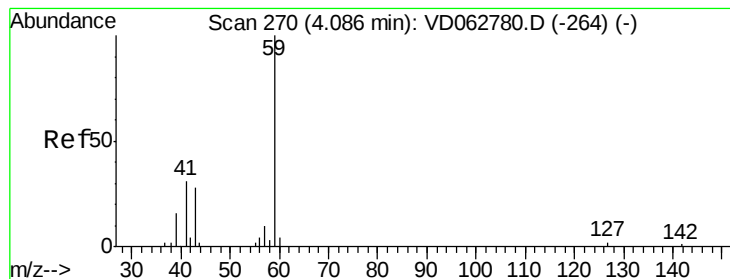
500

0

2.80 2.85 2.90 2.95

Time-->



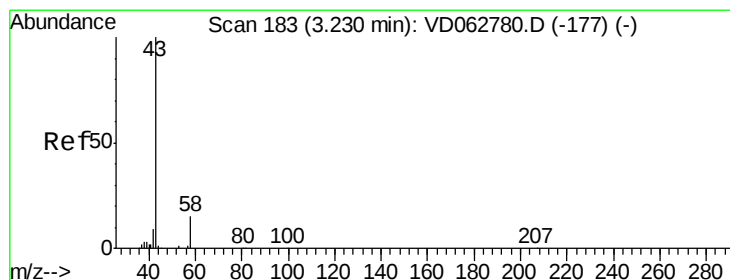
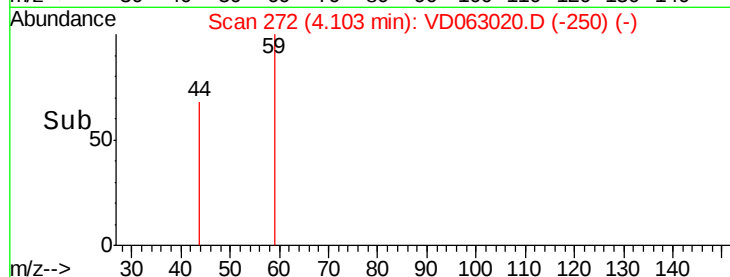
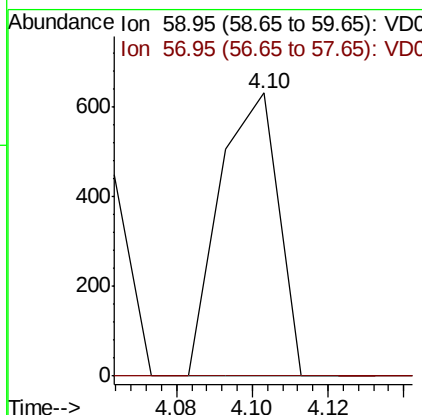
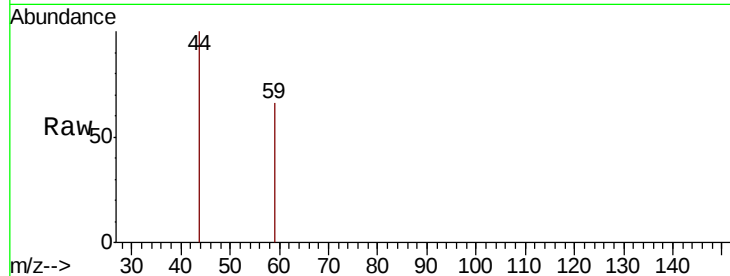


#11

Tert butyl alcohol
 Concen: 1.366 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.02 min
 Lab File: VD063020.D
 Acq: 3 Jul 2019 12:52

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-0D015-03-010

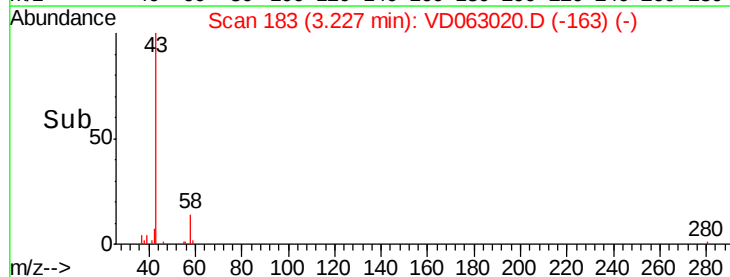
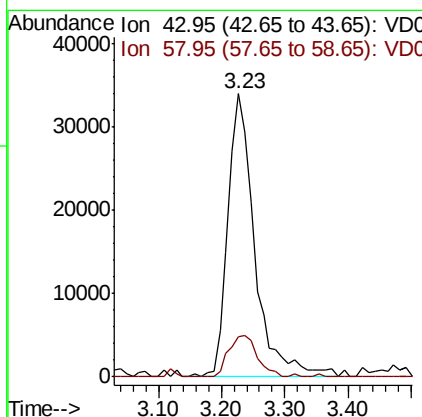
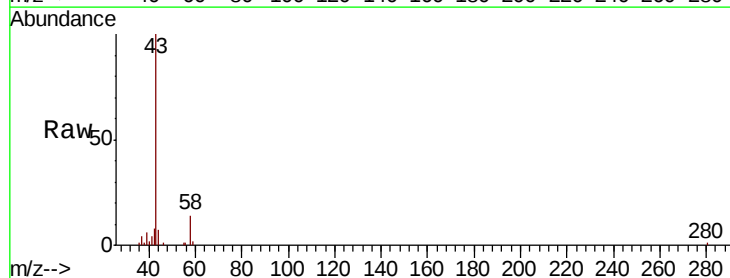
Tot Ion: 59 Resp: 671
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.6 10.0#

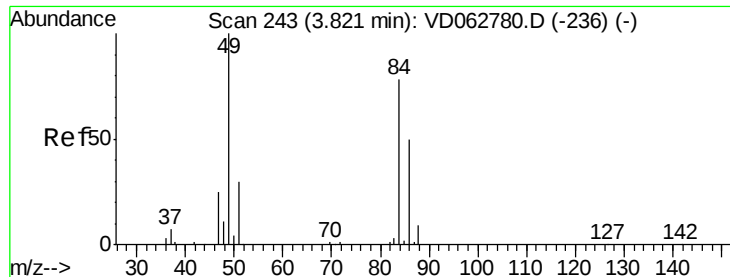


#16

Acetone
 Concen: 39.783 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VD063020.D
 Acq: 3 Jul 2019 12:52

Tgt Ion: 43 Resp: 99873
 Ion Ratio Lower Upper
 43 100
 58 14.0 11.9 17.9

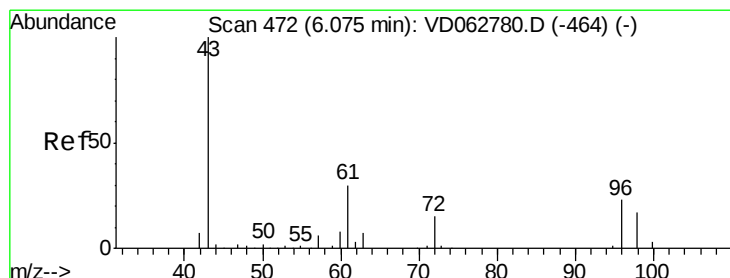
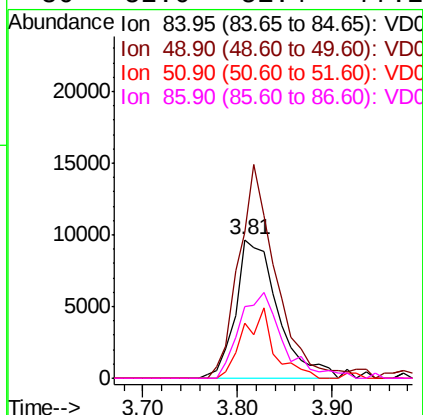
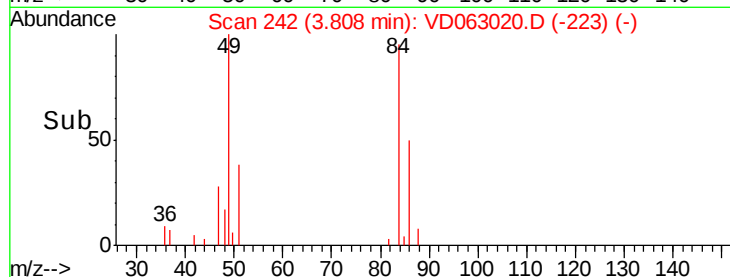
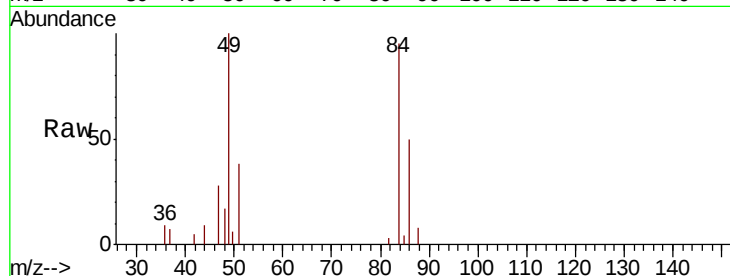




#20
Methvlene Chloride
Concen: 3.616 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

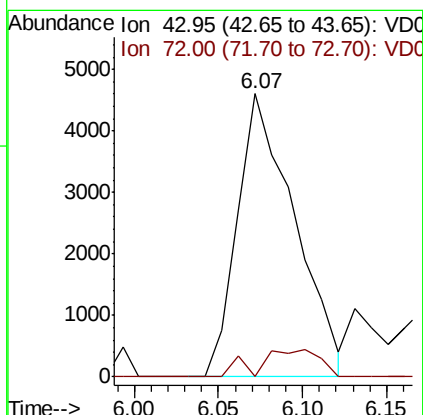
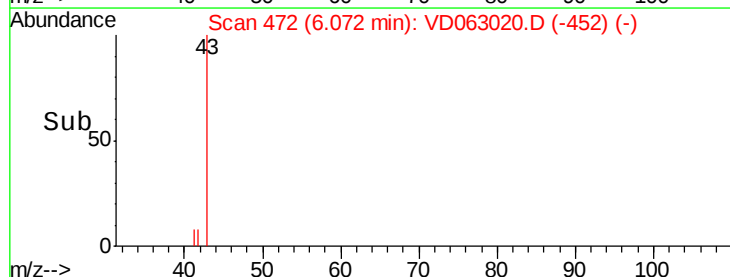
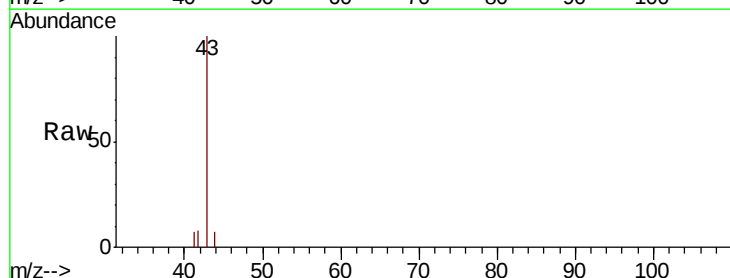
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-010

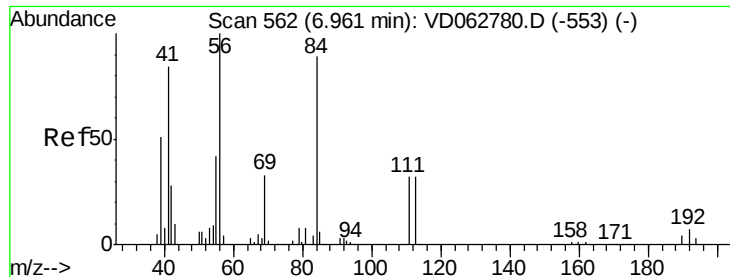
Tot Ion: 84 Resp: 29743
Ion Ratio Lower Upper
84 100
49 104.8 102.9 154.3
51 39.5 31.2 46.8
86 52.0 51.4 77.2



#25
2-Butanone
Concen: 5.364 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

Tgt Ion: 43 Resp: 10820
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#

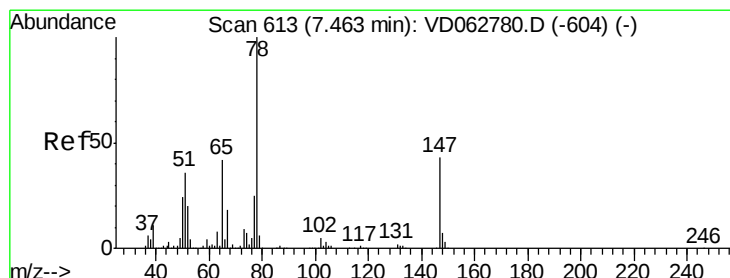
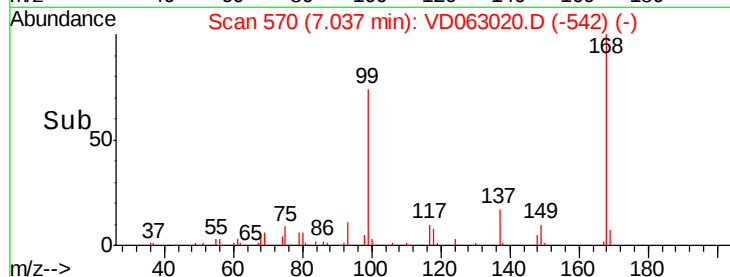
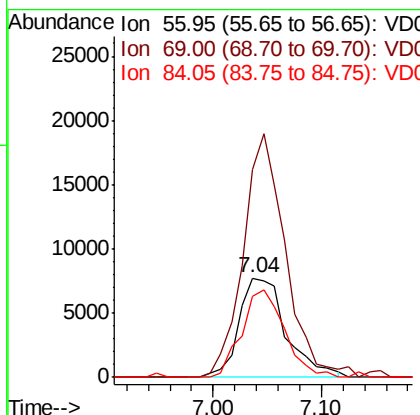
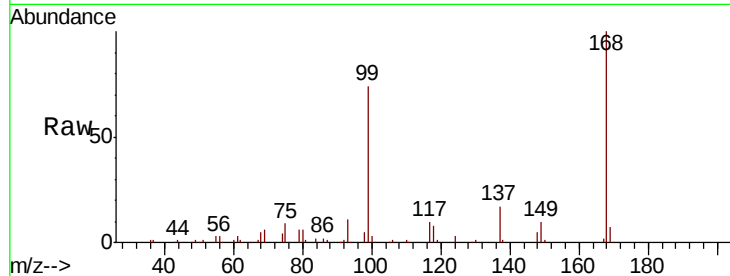




#31
Cvclohexane
Concen: 2.316 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.08 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

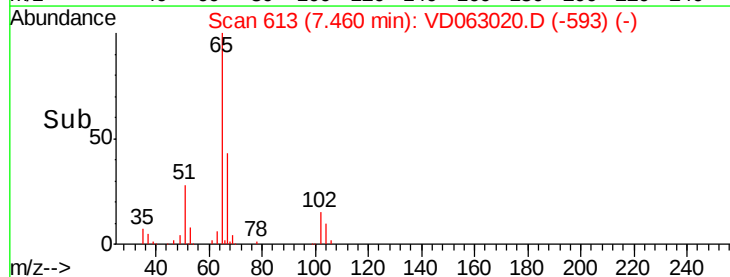
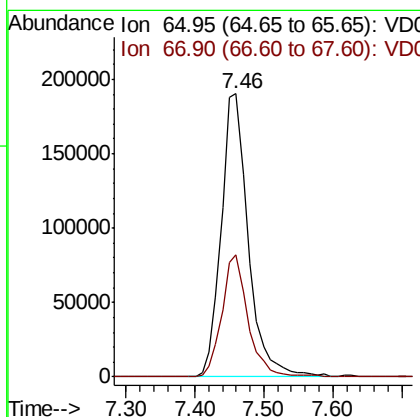
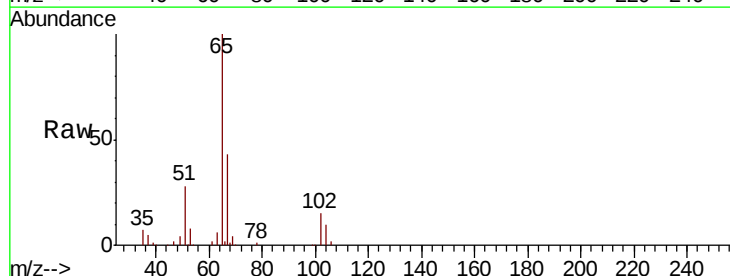
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-010

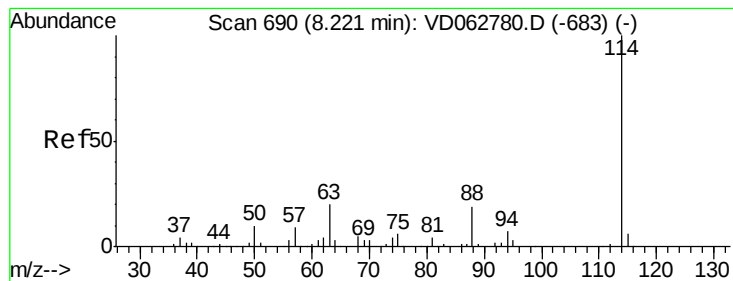
Tot Ion: 56 Resp: 23453
Ion Ratio Lower Upper
56 100
69 209.6 26.6 39.8#
84 81.3 75.5 113.3



#33
1,2-Dichloroethane-d4
Concen: 48.034 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

Tgt Ion: 65 Resp: 518036
Ion Ratio Lower Upper
65 100
67 43.1 0.0 87.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD063020.D

Acq: 3 Jul 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

FK-0D015-03-010

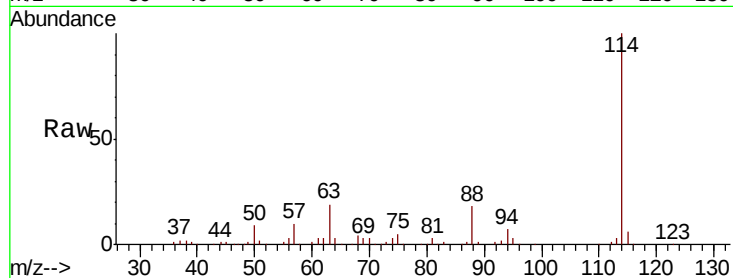
Tot Ion:114 Resp: 1290887

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

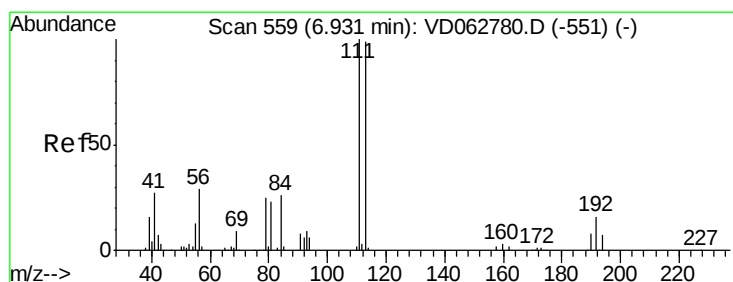
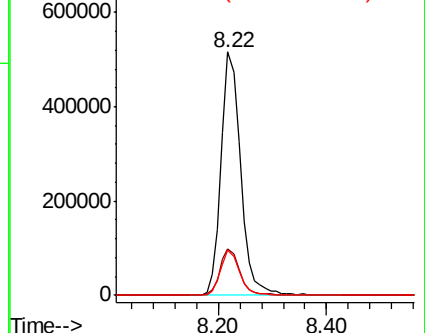
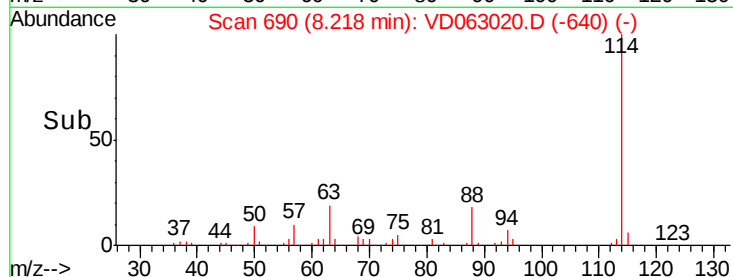
88 18.5 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 3.876 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD063020.D

Acq: 3 Jul 2019 12:52

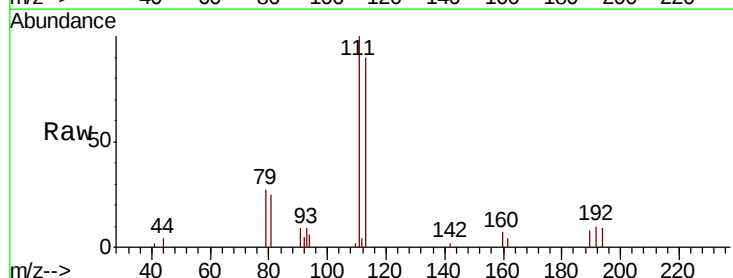
Tgt Ion:113 Resp: 42190

Ion Ratio Lower Upper

113 100

111 110.9 81.2 121.8

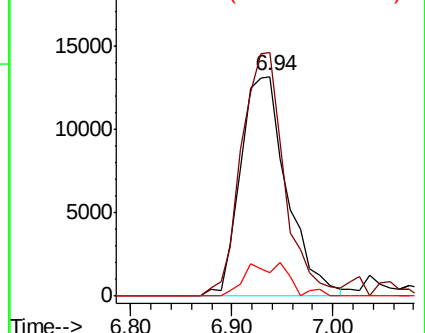
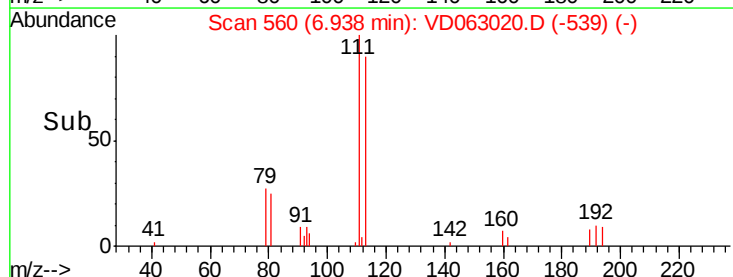
192 10.6 12.9 19.3#

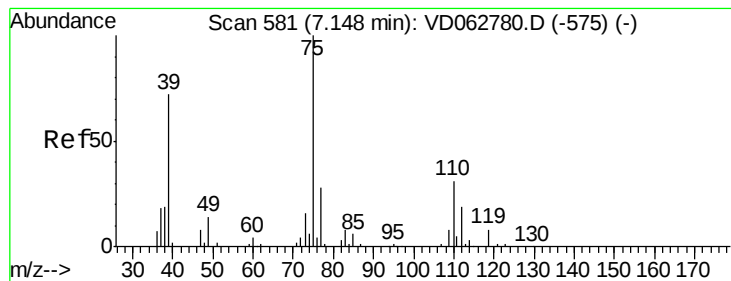


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.001 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD063020.D

Acq: 3 Jul 2019 12:52

Instrument :

MSVOA_D

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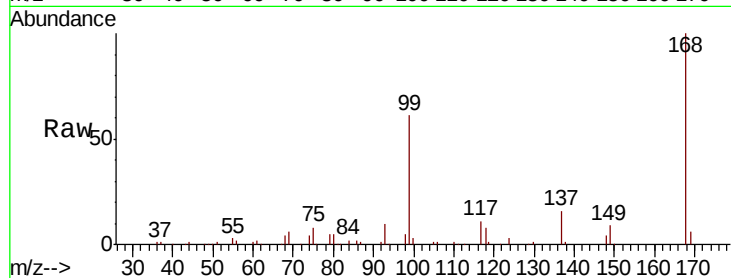
Tot Ion: 75 Resp: 73327

Ion Ratio Lower Upper

75 100

110 7.5 15.0 45.1#

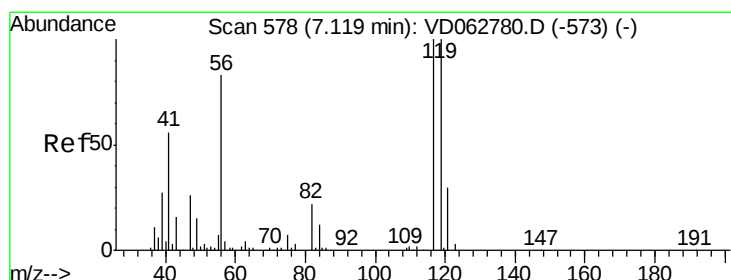
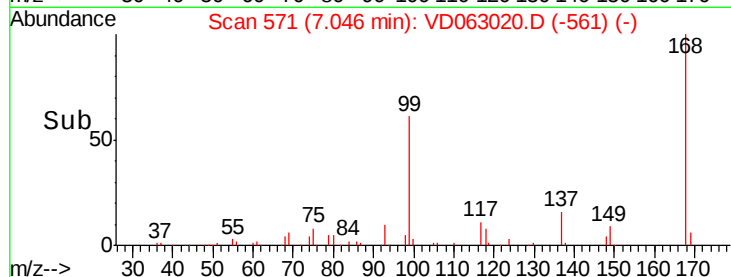
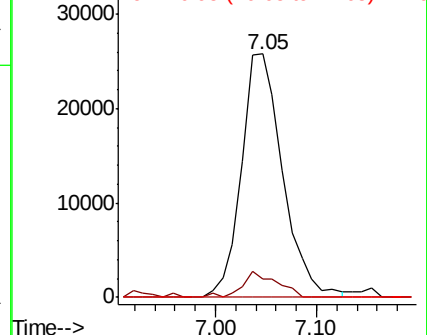
77 0.0 22.2 33.2#



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: 5.469 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD063020.D

Acq: 3 Jul 2019 12:52

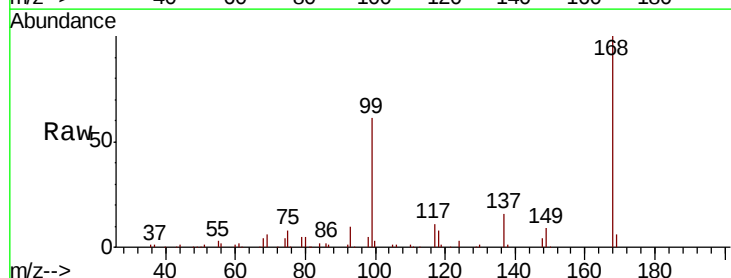
Tgt Ion: 117 Resp: 100514

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.2#

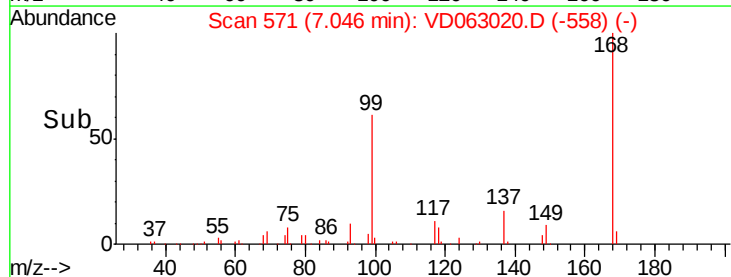
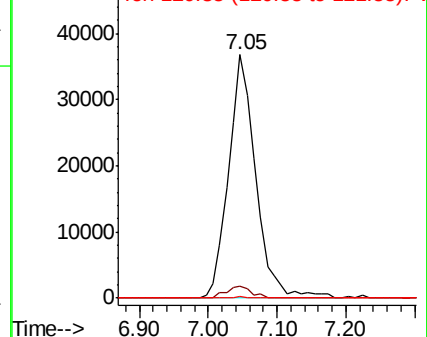
121 0.8 22.3 33.5#

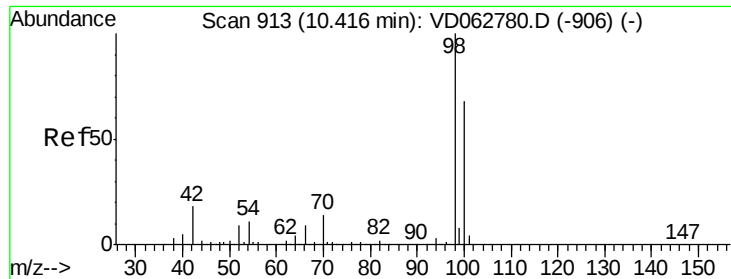


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

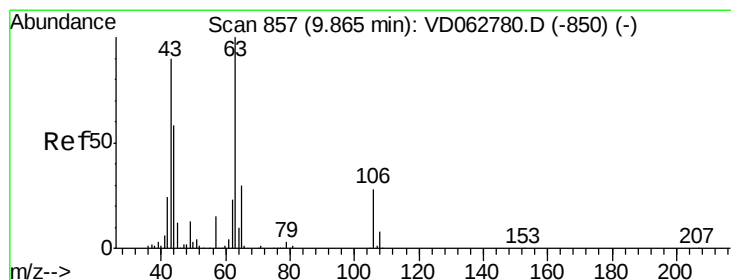
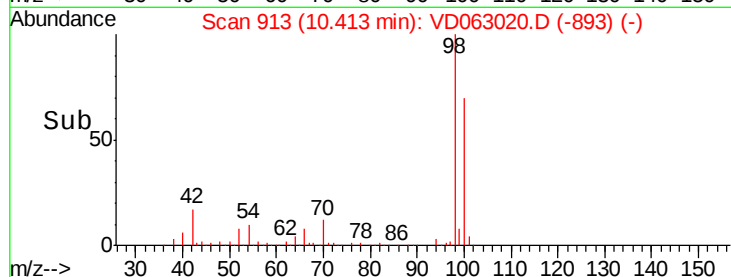
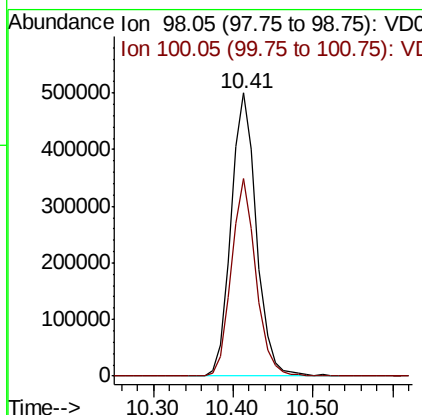
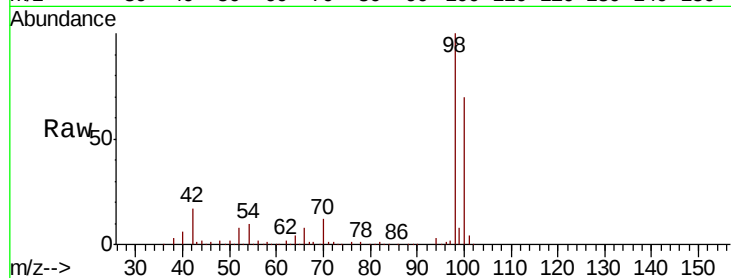




#50
Toluene-d8
Concen: 47.059 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

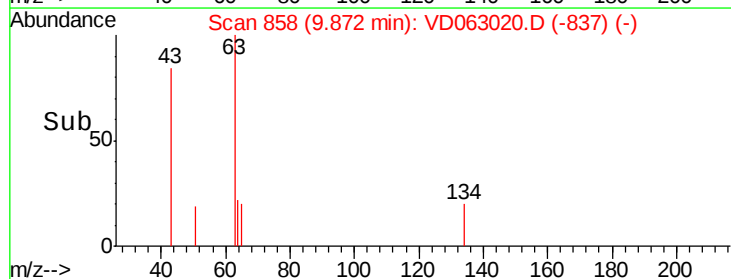
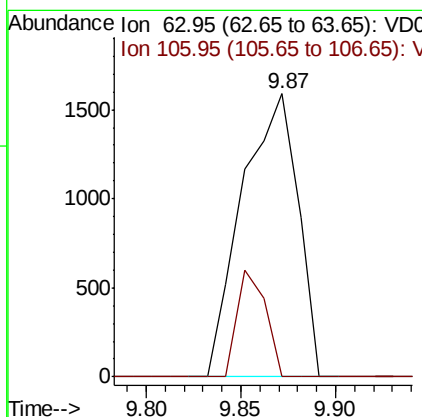
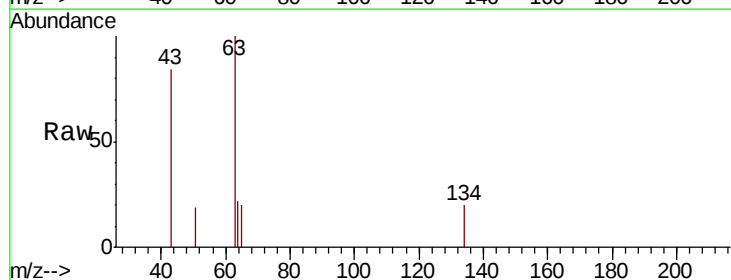
Instrument :
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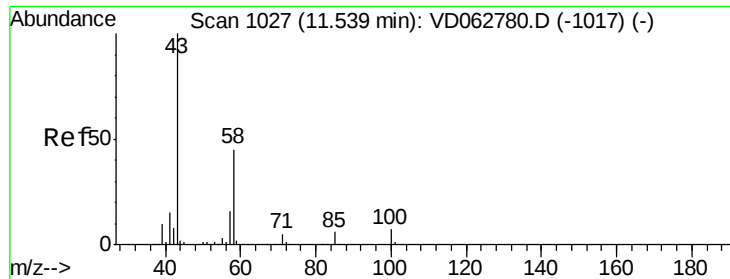
Tot Ion: 98 Resp: 1114839
Ion Ratio Lower Upper
98 100
100 69.8 54.7 82.1



#58
2-Chloroethyl Vinyl ether
Concen: 1.044 ug/l
RT: 9.87 min Scan# 858
Delta R.T. 0.01 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

Tgt Ion: 63 Resp: 3245
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#

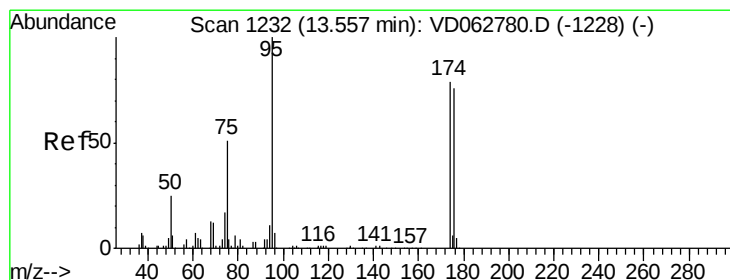
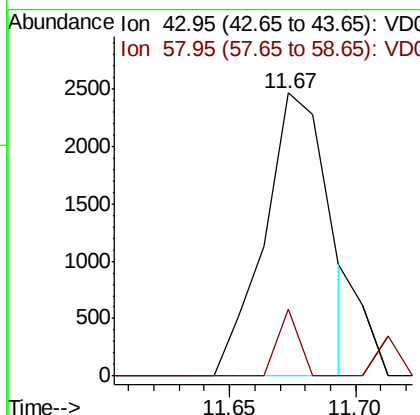
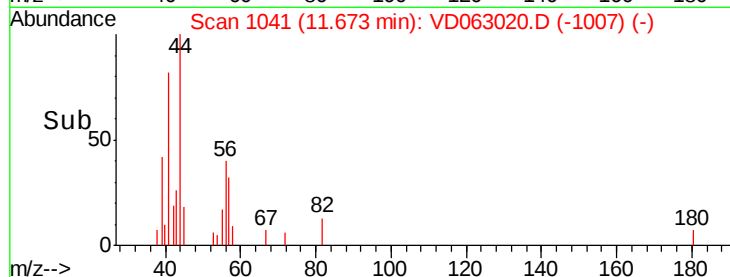
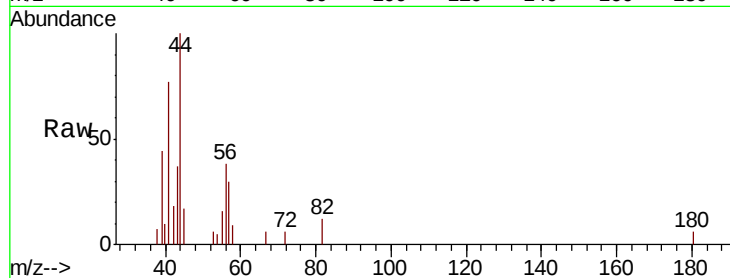




#59
2-Hexanone
Concen: 1.342 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.13 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

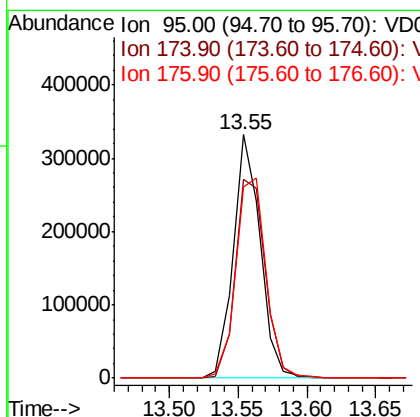
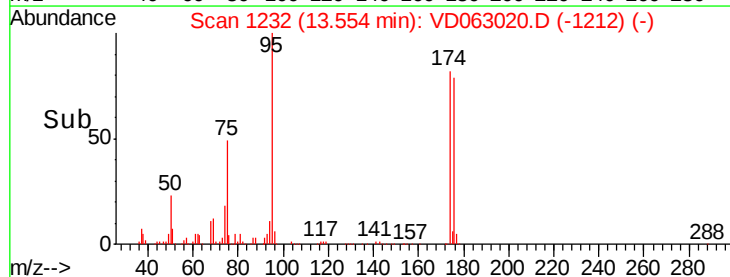
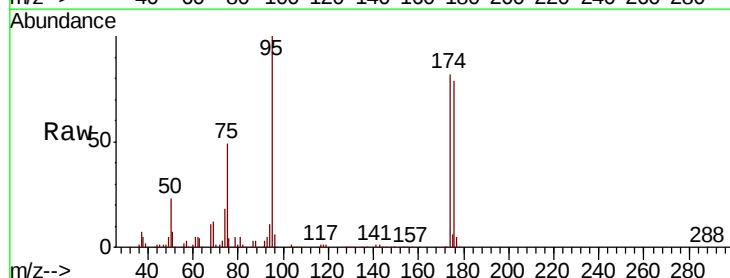
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-010

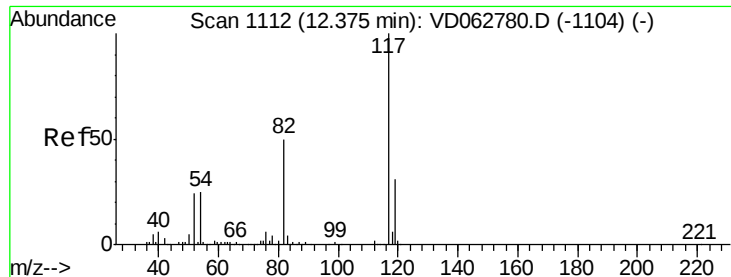
Tot Ion: 43 Resp: 4340
Ion Ratio Lower Upper
43 100
58 23.5 22.4 67.2



#62
4-Bromofluorobenzene
Concen: 41.968 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

Tgt Ion: 95 Resp: 452084
Ion Ratio Lower Upper
95 100
174 81.7 0.0 158.0
176 78.5 0.0 151.6

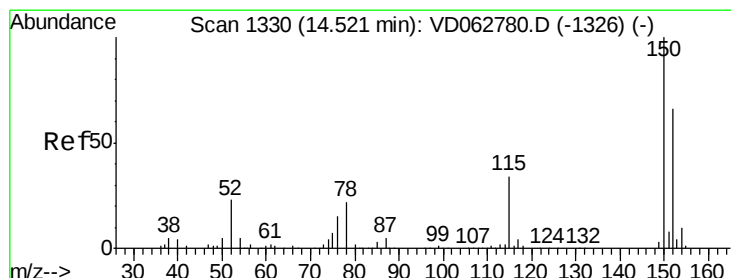
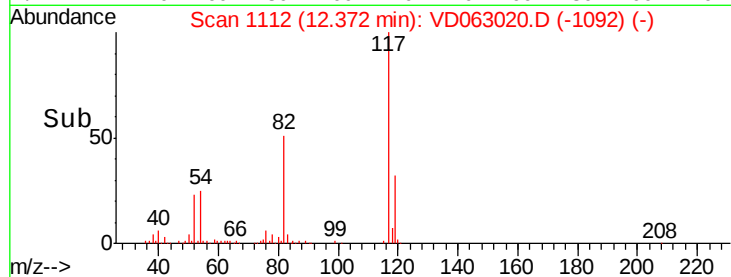
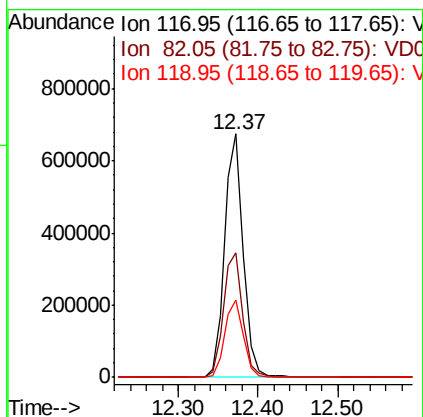
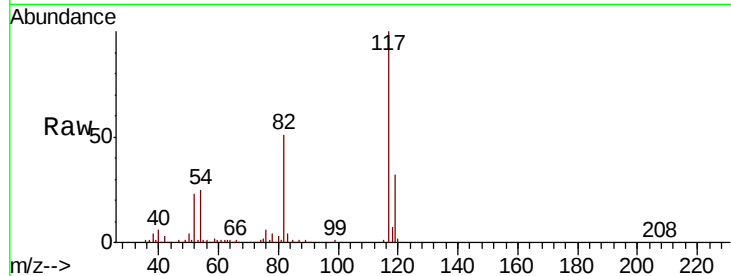




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

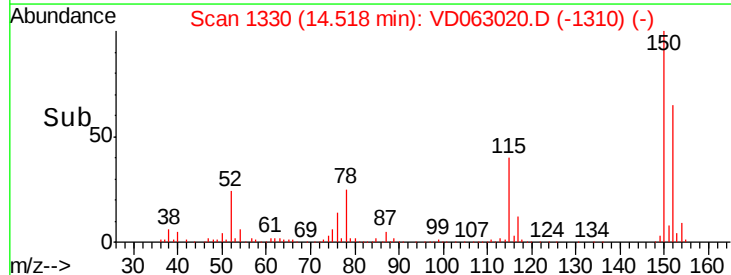
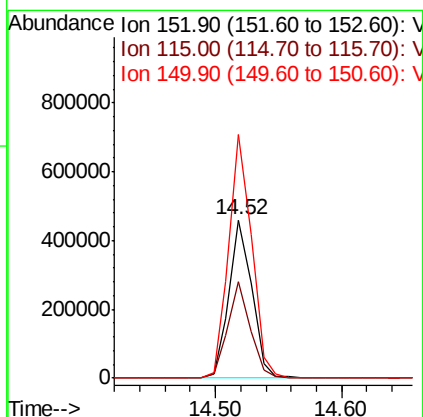
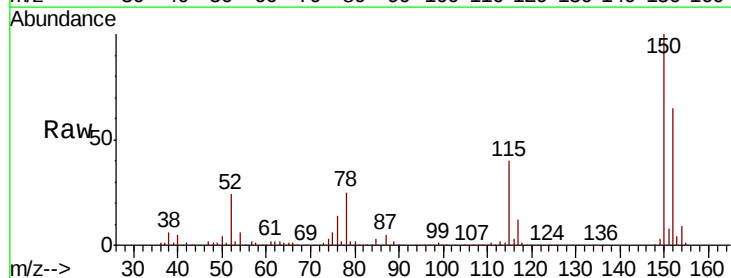
Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-010

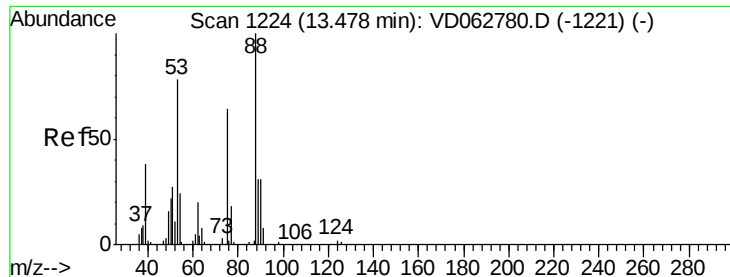
Tot Ion:117 Resp: 1110188
Ion Ratio Lower Upper
117 100
82 51.1 40.4 60.6
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

Tgt Ion:152 Resp: 574711
Ion Ratio Lower Upper
152 100
115 61.3 29.2 87.6
150 154.2 0.0 305.8

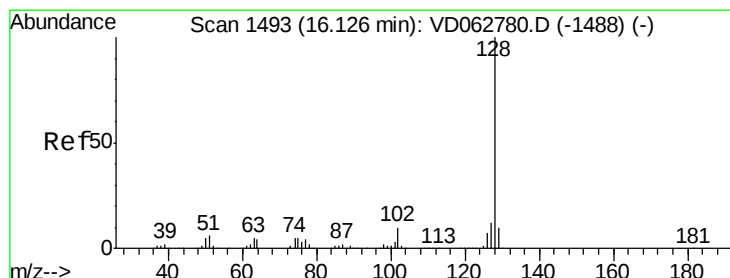
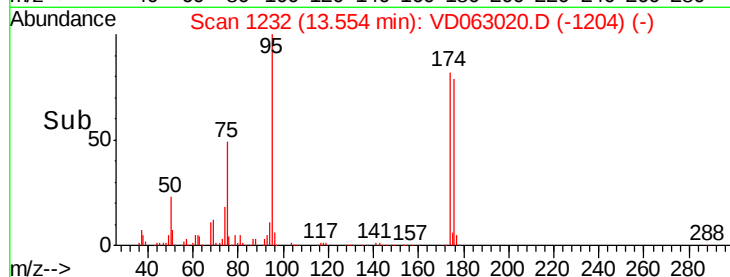
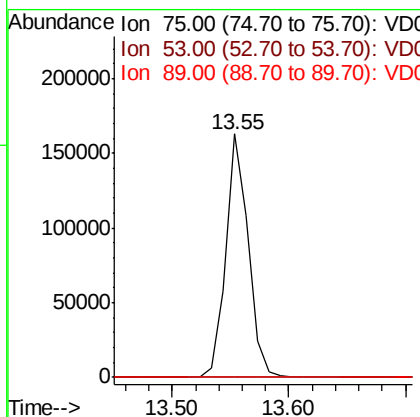
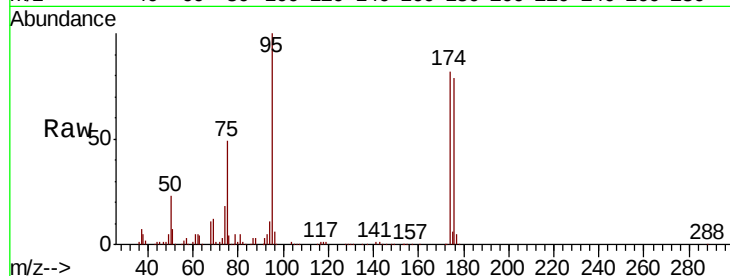




#81
trans-1,4-Dichloro-2-butene
Concen: 124.361 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

Instrument :
MSVOA_D
ClientSampleId :
FK-0D015-03-010

Tot Ion: 75 Resp: 216243
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#



#95
Naphthalene
Concen: 1.255 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063020.D
Acq: 3 Jul 2019 12:52

Tgt Ion:128 Resp: 20891
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 9.1 8.3 12.5

