

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062859.D
 Acq On : 25 Jun 2019 2:32
 Operator : VA/AP
 Sample : K3512-01
 Misc : 6.52g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-7

Quant Time: Jun 25 05:08:00 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	7.06	168	679121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	923543	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	581613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	188585	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	385612	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
35) Dibromofluoromethane	6.93	113	449981	57.78	ug/l	0.00
Spiked Amount			Recovery	=	115.56%	
50) Toluene-d8	10.41	98	848767	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	13.55	95	251357	32.62	ug/l	0.00
Spiked Amount			Recovery	=	65.24%	

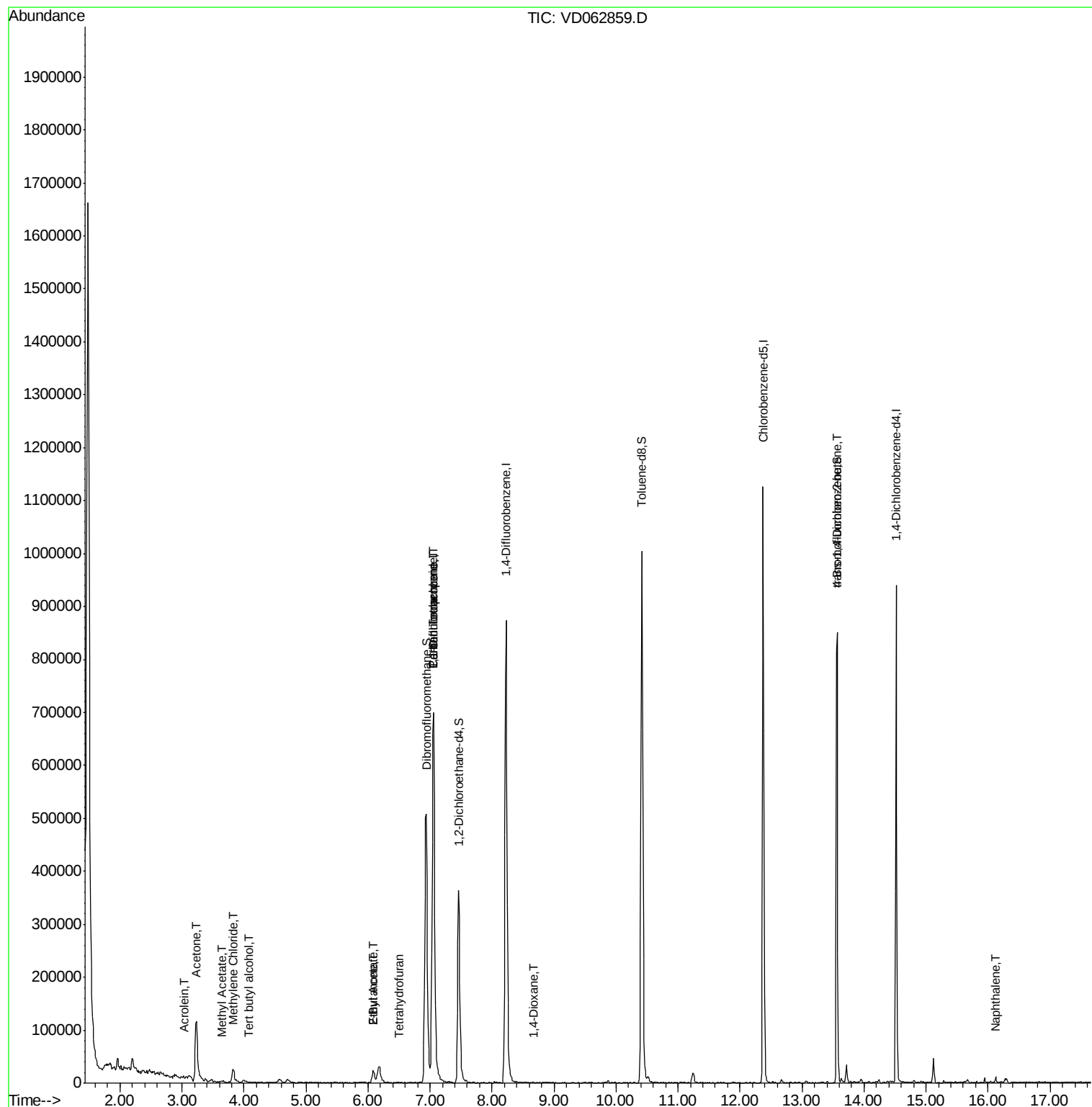
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	1021	3.037	ug/l #	77
13) Acrolein	3.04	56	1298	3.782	ug/l	95
16) Acetone	3.23	43	253777	167.208	ug/l	98
18) Methyl Acetate	3.64	43	4874	2.187	ug/l #	58
20) Methylene Chloride	3.83	84	15857	2.817	ug/l	94
25) 2-Butanone	6.08	43	49118	35.576	ug/l	100
29) Tetrahydrofuran	6.50	42	751	1.150	ug/l #	33
36) 1,1-Dichloropropene	7.06	75	52419	5.996	ug/l #	52
37) Ethyl Acetate	6.08	43	49122	12.551	ug/l #	69
38) Carbon Tetrachloride	7.06	117	69777	5.307	ug/l #	17
49) 1,4-Dioxane	8.66	88	354	13.064	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.55	75	120282	210.807	ug/l #	2
95) Naphthalene	16.12	128	7767	1.422	ug/l #	94

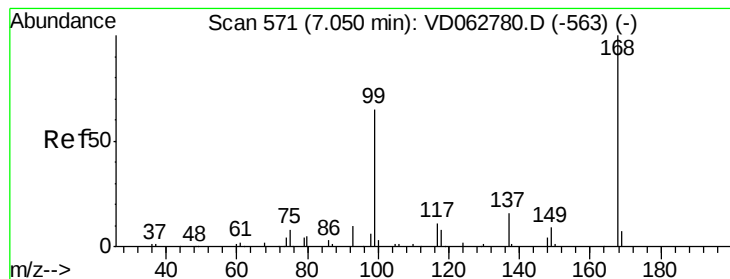
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD062859.D

Acq: 25 Jun 2019 2:32

Instrument :

MSVOA_D

ClientSampleId :

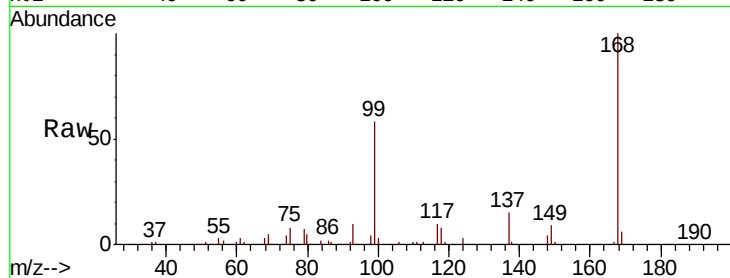
SAMPLE-7

Tot Ion:168 Resp: 679121

Ion Ratio Lower Upper

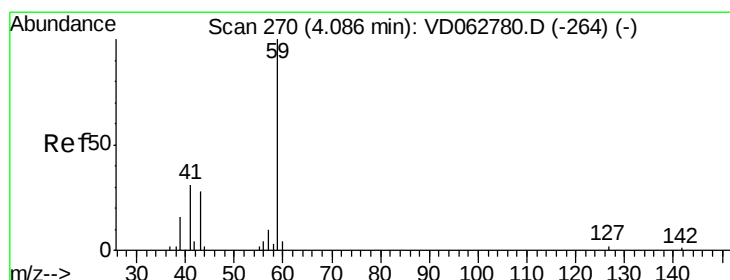
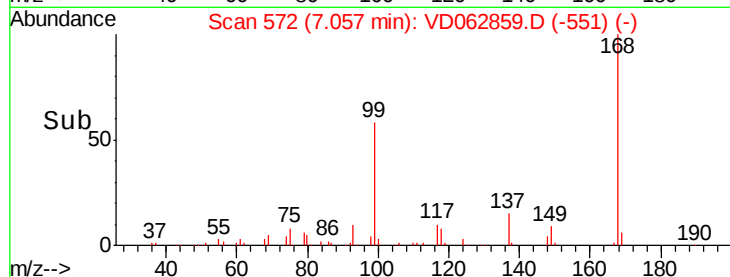
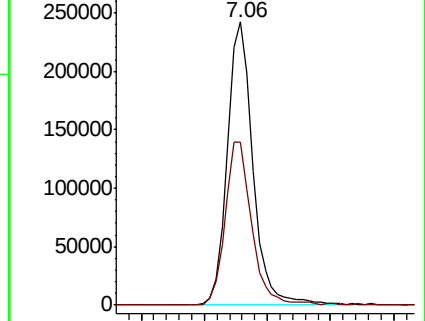
168 100

99 57.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.037 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.02 min

Lab File: VD062859.D

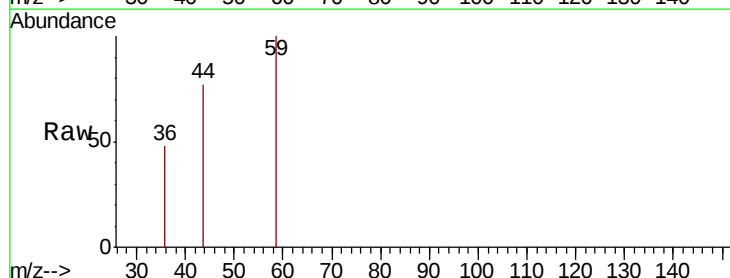
Acq: 25 Jun 2019 2:32

Tgt Ion: 59 Resp: 1021

Ion Ratio Lower Upper

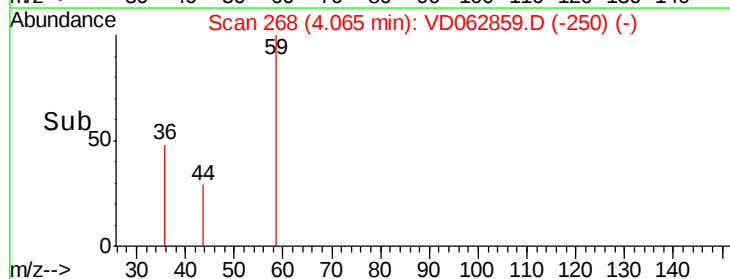
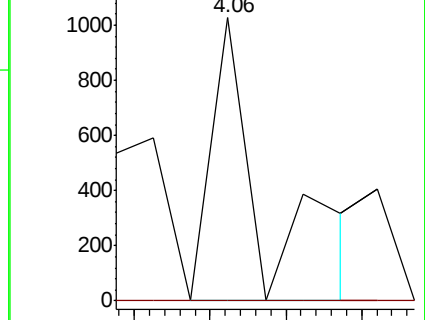
59 100

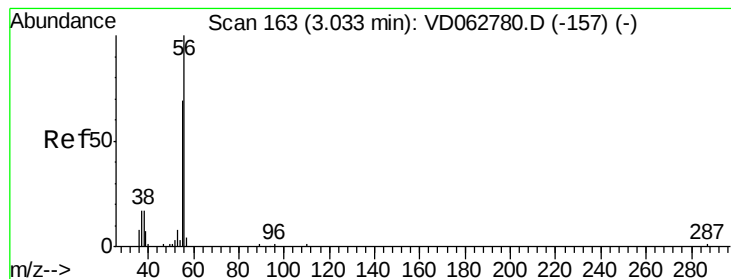
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 3.782 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062859.D

Acq: 25 Jun 2019 2:32

Instrument :

MSVOA_D

ClientSampleId :

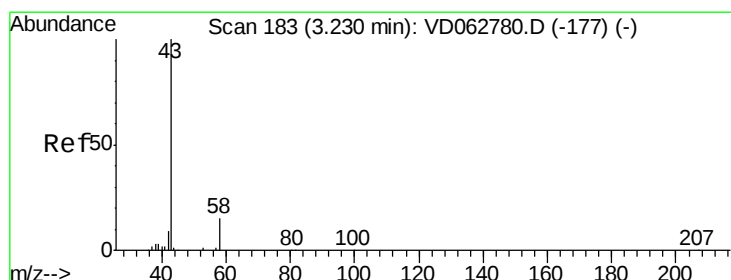
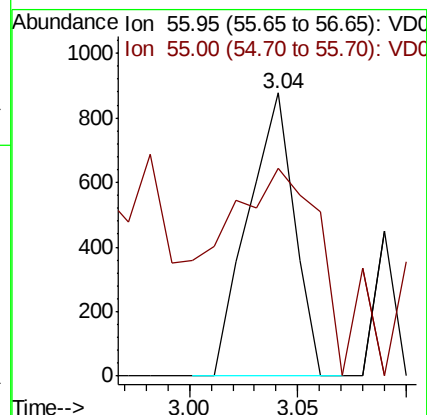
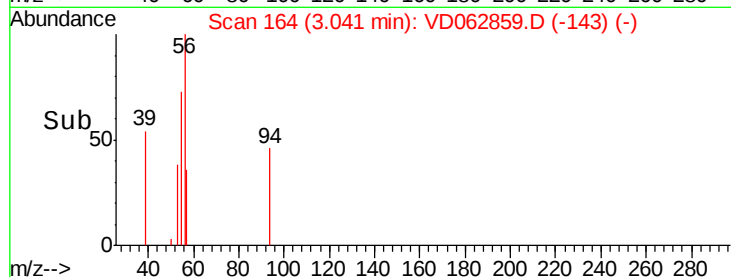
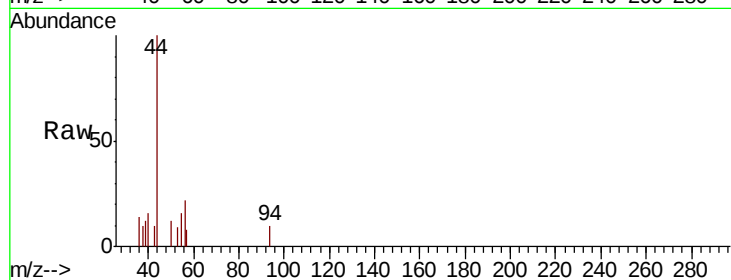
SAMPLE-7

Tot Ion: 56 Resp: 1298

Ion Ratio Lower Upper

56 100

55 73.3 55.4 83.0



#16

Acetone

Concen: 167.208 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062859.D

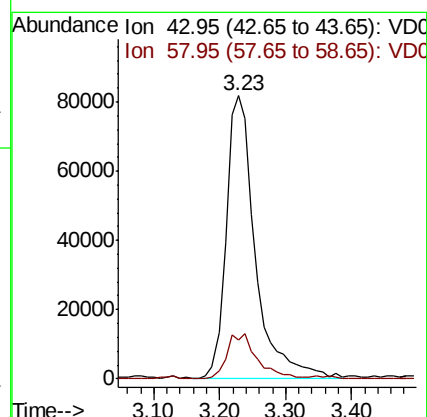
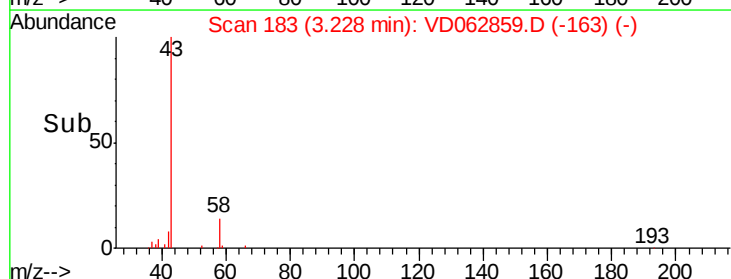
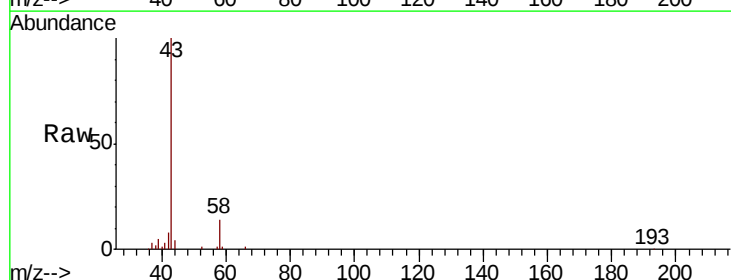
Acq: 25 Jun 2019 2:32

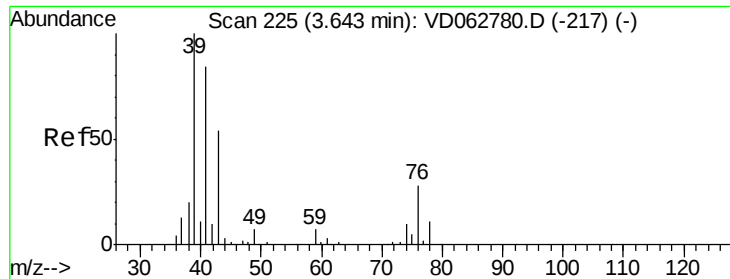
Tgt Ion: 43 Resp: 253777

Ion Ratio Lower Upper

43 100

58 14.0 11.9 17.9





#18

Methyl Acetate

Concen: 2.187 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD062859.D

Acq: 25 Jun 2019 2:32

Instrument :

MSVOA_D

ClientSampleId :

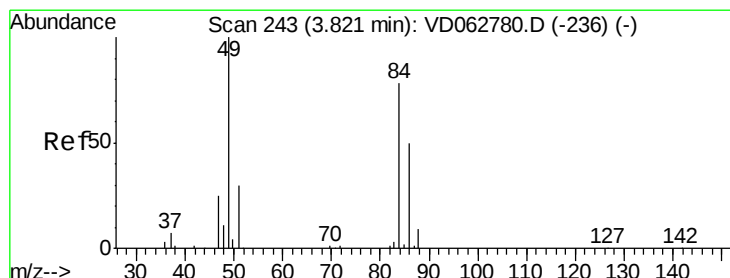
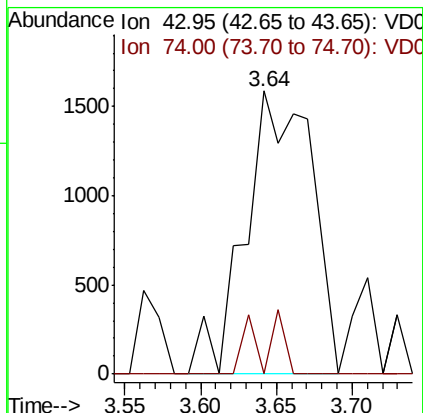
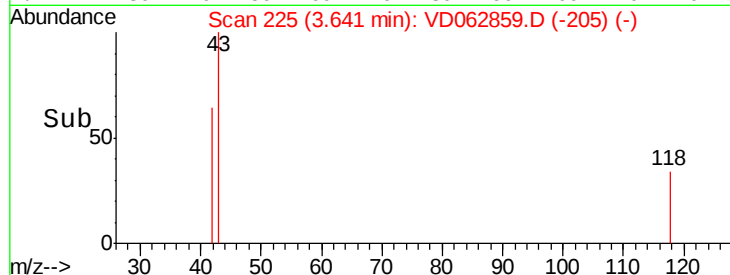
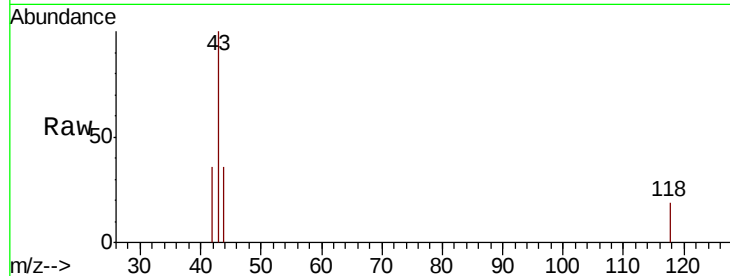
SAMPLE-7

Tot Ion: 43 Resp: 4874

Ion Ratio Lower Upper

43 100

74 0.0 15.2 22.8#



#20

Methylene Chloride

Concen: 2.817 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD062859.D

Acq: 25 Jun 2019 2:32

Tgt Ion: 84 Resp: 15857

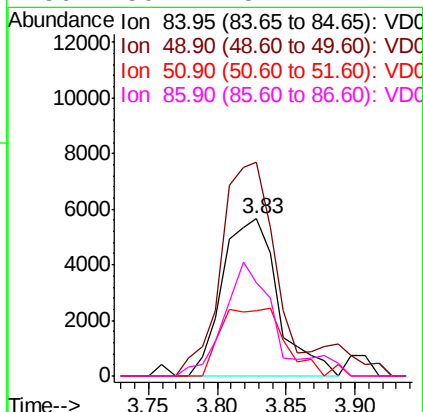
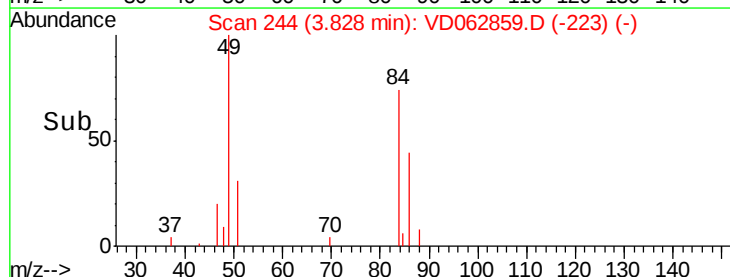
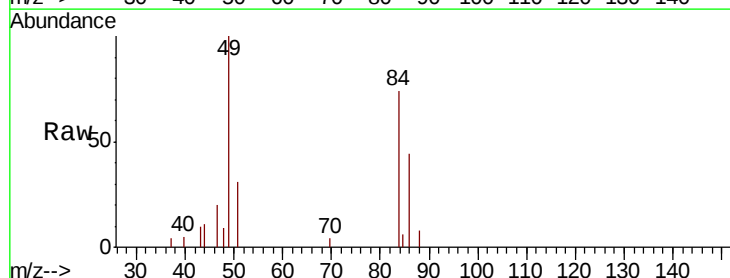
Ion Ratio Lower Upper

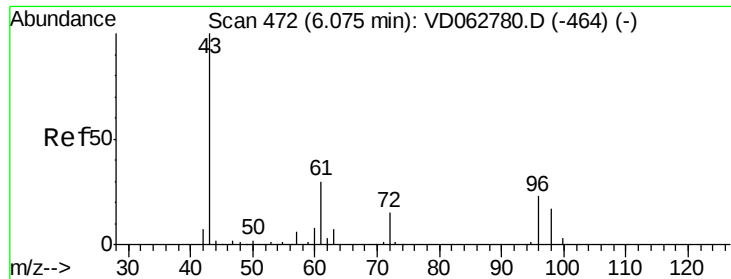
84 100

49 135.8 102.9 154.3

51 41.8 31.2 46.8

86 59.2 51.4 77.2





#25

2-Butanone

Concen: 35.576 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062859.D

Acq: 25 Jun 2019 2:32

Instrument :

MSVOA_D

ClientSampleId :

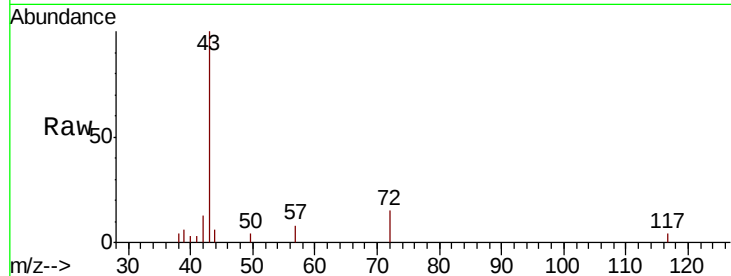
SAMPLE-7

Tot Ion: 43 Resp: 49118

Ion Ratio Lower Upper

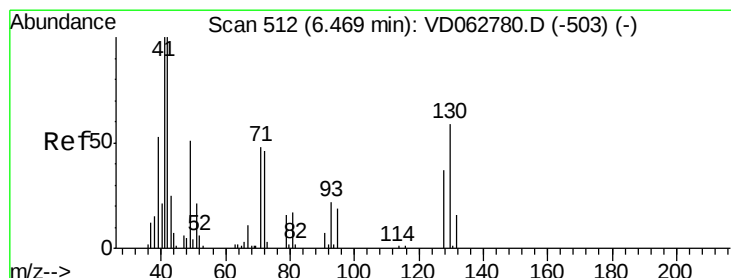
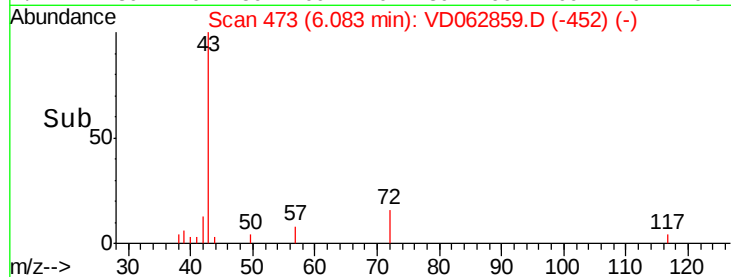
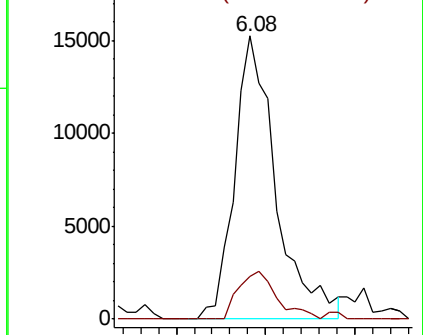
43 100

72 15.1 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.150 ug/l

RT: 6.50 min Scan# 515

Delta R.T. 0.03 min

Lab File: VD062859.D

Acq: 25 Jun 2019 2:32

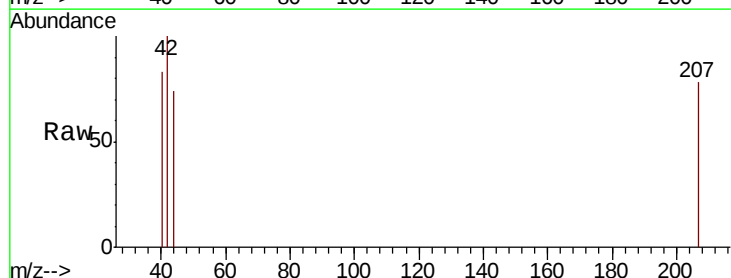
Tgt Ion: 42 Resp: 751

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

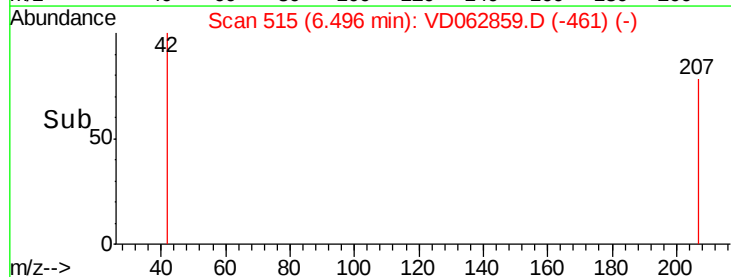
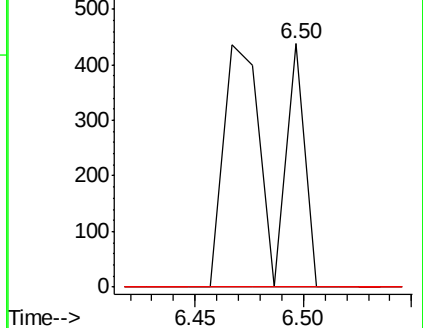
71 0.0 33.3 49.9#

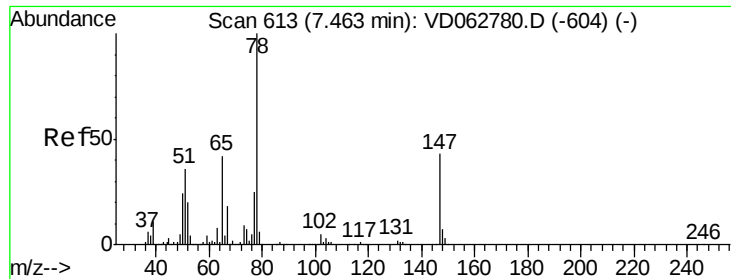


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

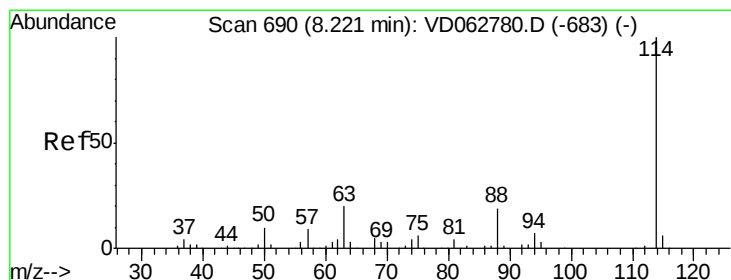
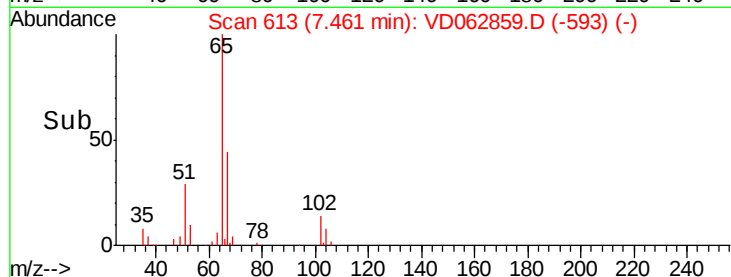
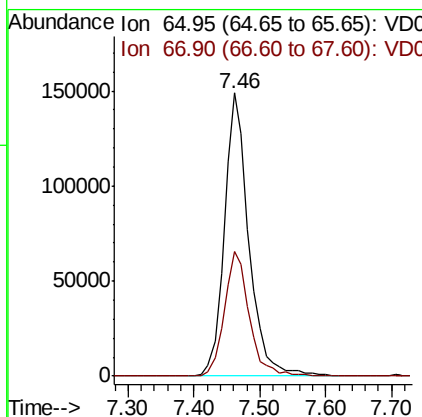
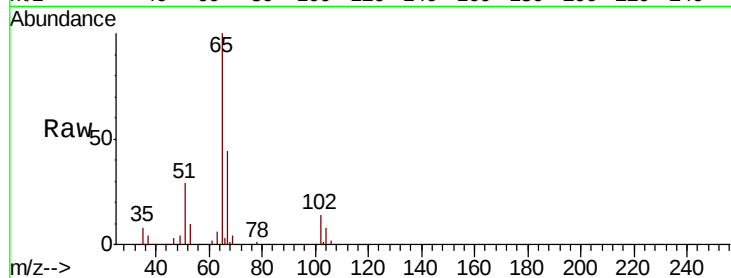




#33
 1,2-Dichloroethane-d4
 Concen: 52.237 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD062859.D
 Acq: 25 Jun 2019 2:32

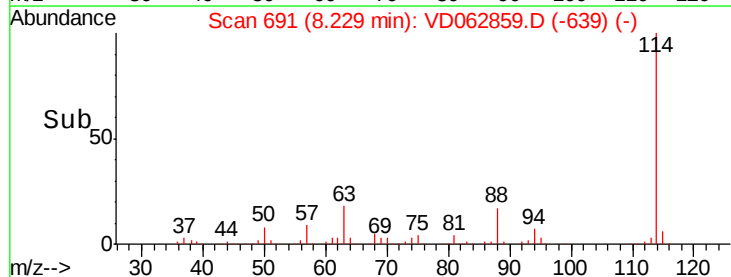
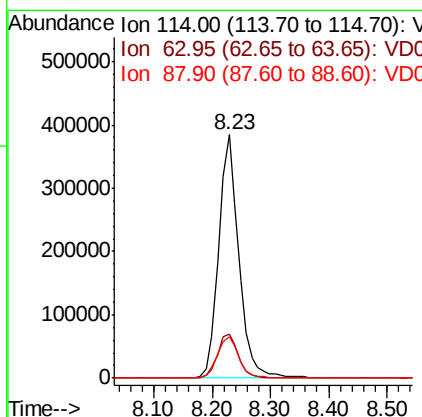
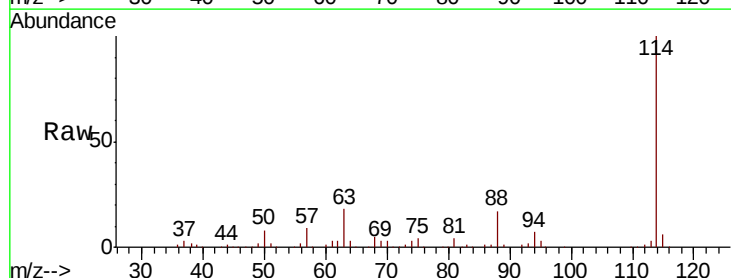
Instrument :
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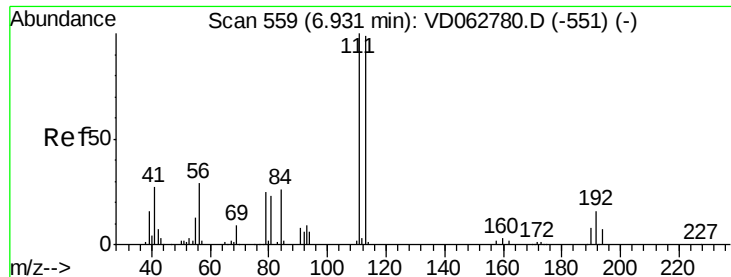
Tot Ion: 65 Resp: 385612
 Ion Ratio Lower Upper
 65 100
 67 44.0 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062859.D
 Acq: 25 Jun 2019 2:32

Tgt Ion: 114 Resp: 923543
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 40.0
 88 16.8 0.0 38.8

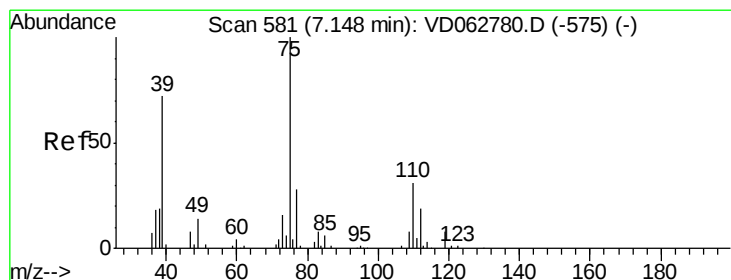
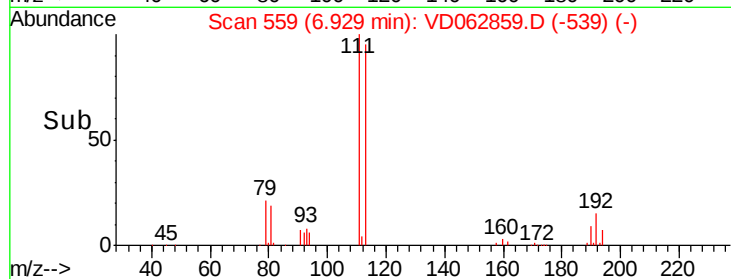
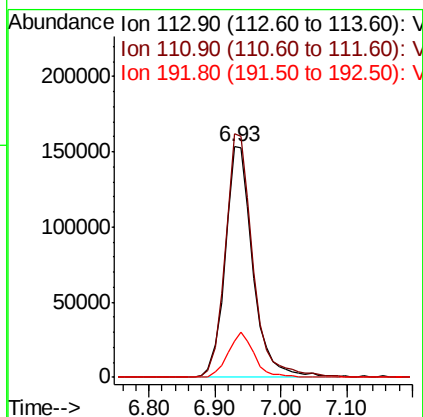
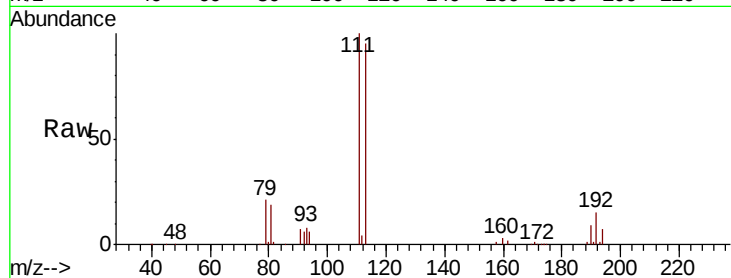




#35
 Dibromofluoromethane
 Concen: 57.784 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062859.D
 Acq: 25 Jun 2019 2:32

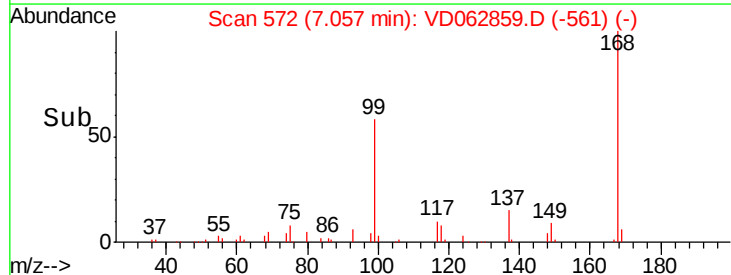
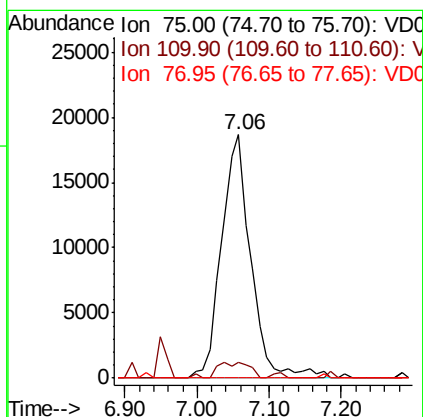
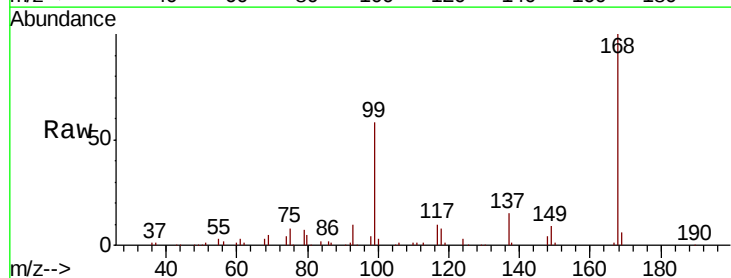
Instrument :
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 SAMPLE-7

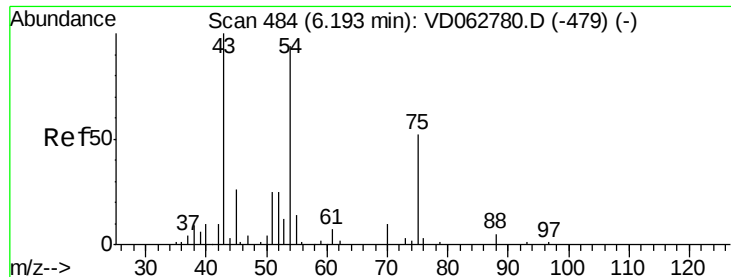
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.2	121.8
192	16.0	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 5.996 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD062859.D
 Acq: 25 Jun 2019 2:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	15.0	45.1#
77	0.0	22.2	33.2#

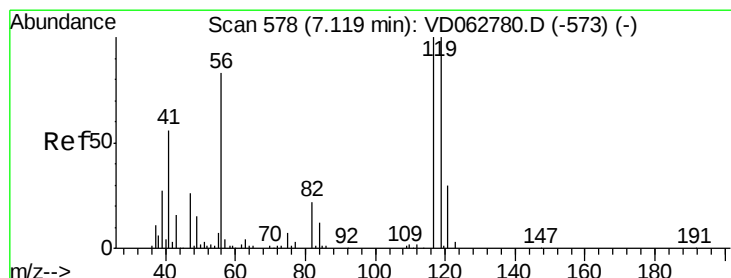
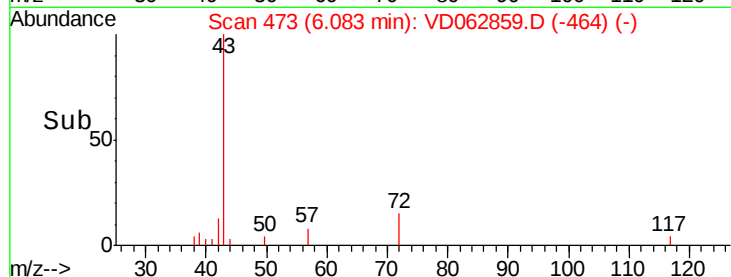
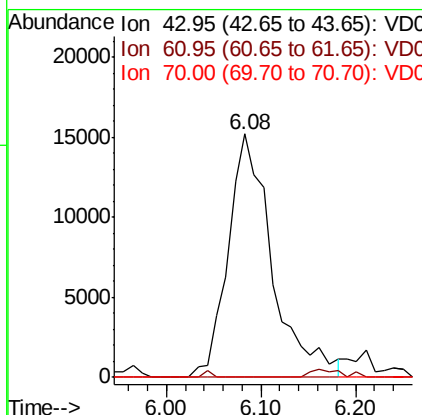
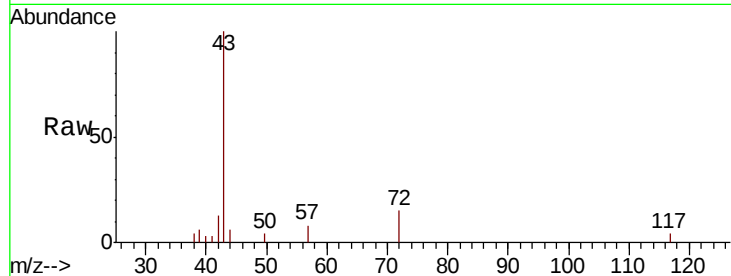




#37
Ethyl Acetate
Concen: 12.551 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.11 min
Lab File: VD062859.D
Acq: 25 Jun 2019 2:32

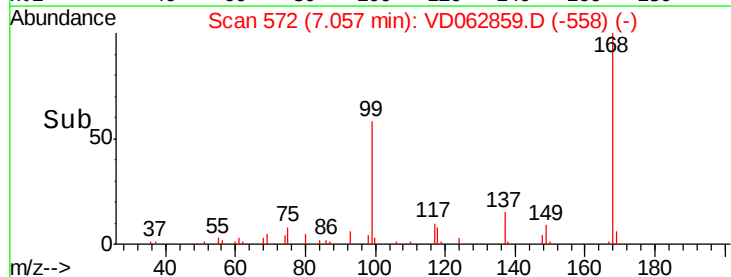
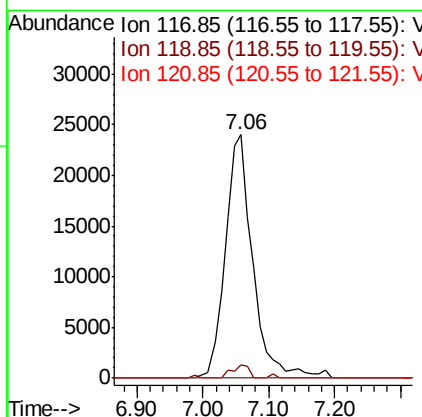
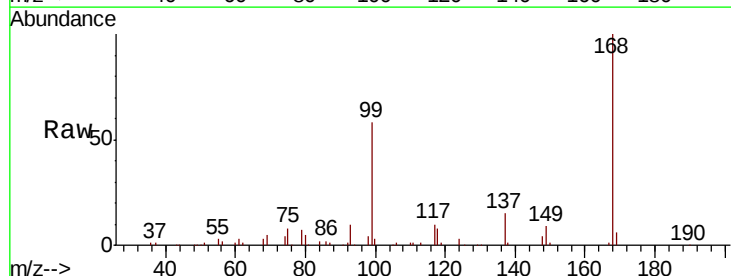
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7

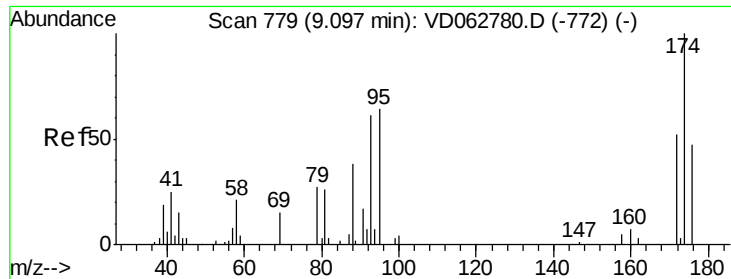
Tot Ion: 43 Resp: 49122
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



#38
Carbon Tetrachloride
Concen: 5.307 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD062859.D
Acq: 25 Jun 2019 2:32

Tgt Ion: 117 Resp: 69777
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 22.3 33.5#

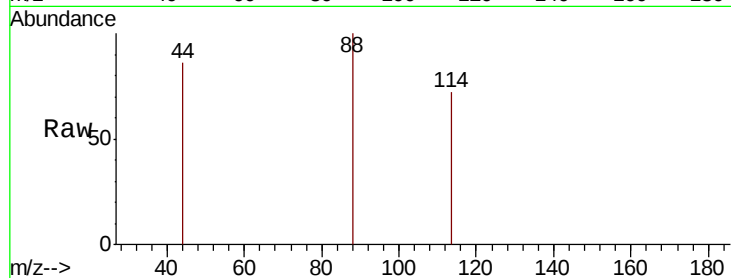




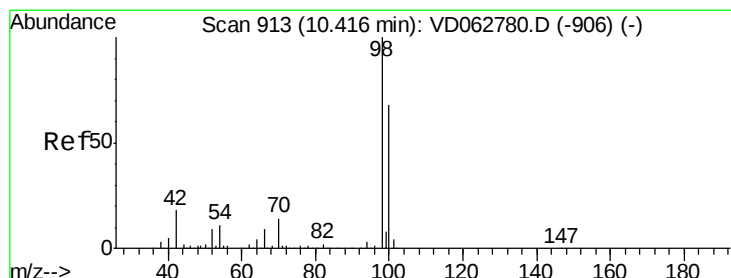
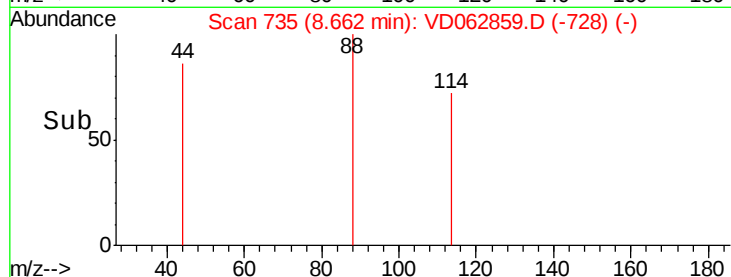
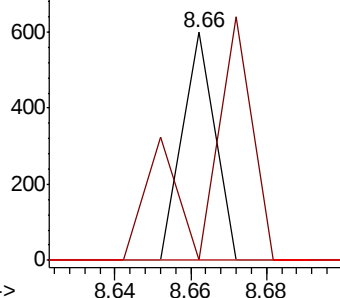
#49
1,4-Dioxane
Concen: 13.064 ug/l
RT: 8.66 min Scan# 735
Delta R.T. -0.44 min
Lab File: VD062859.D
Acq: 25 Jun 2019 2:32

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7

Tot Ion: 88 Resp: 354
Ion Ratio Lower Upper
88 100
43 0.0 32.1 48.1#
58 0.0 44.1 66.1#

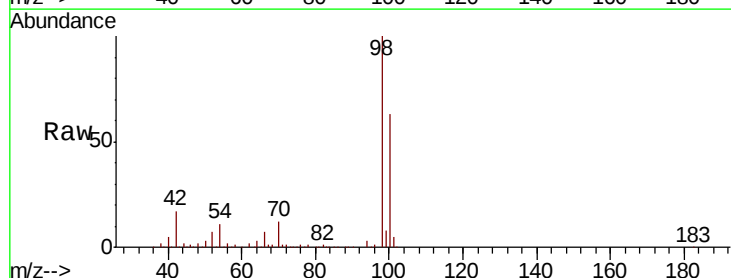


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

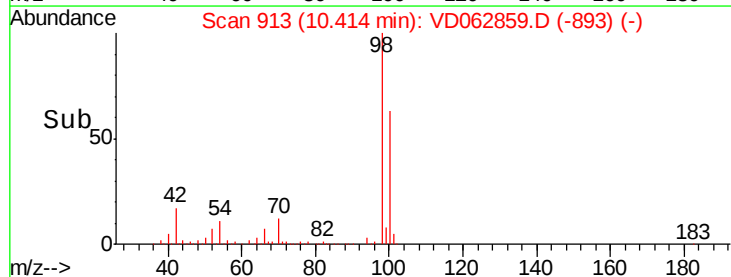
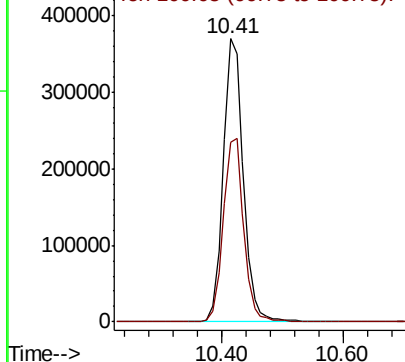


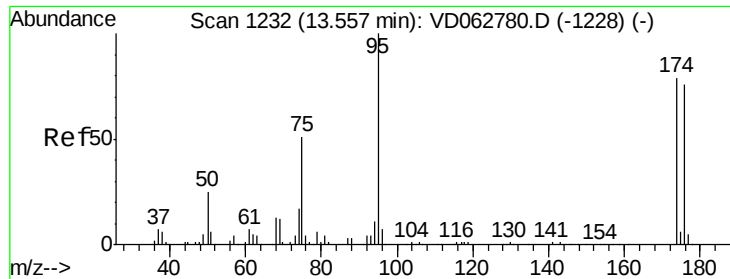
#50
Toluene-d8
Concen: 50.079 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062859.D
Acq: 25 Jun 2019 2:32

Tgt Ion: 98 Resp: 848767
Ion Ratio Lower Upper
98 100
100 63.3 54.7 82.1



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

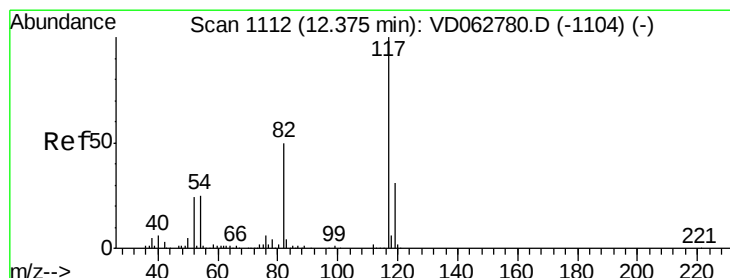
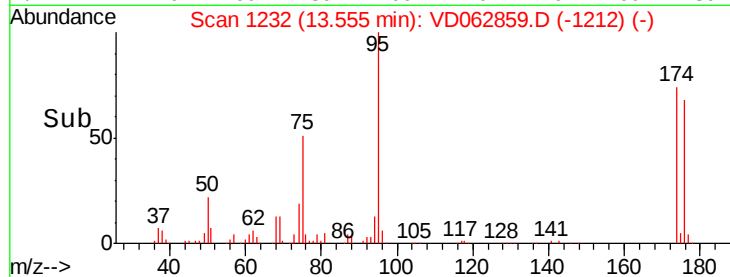
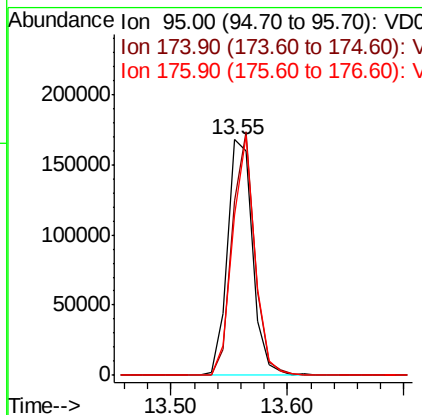
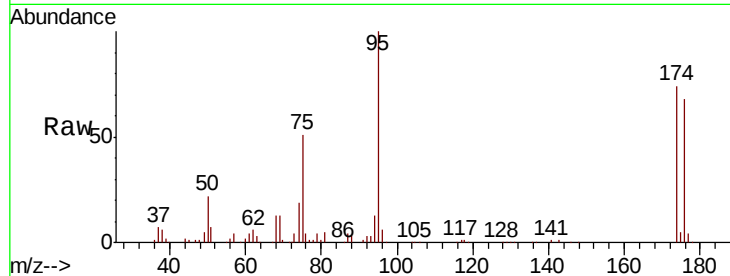




#62
4-Bromofluorobenzene
Concen: 32.615 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062859.D
Acq: 25 Jun 2019 2:32

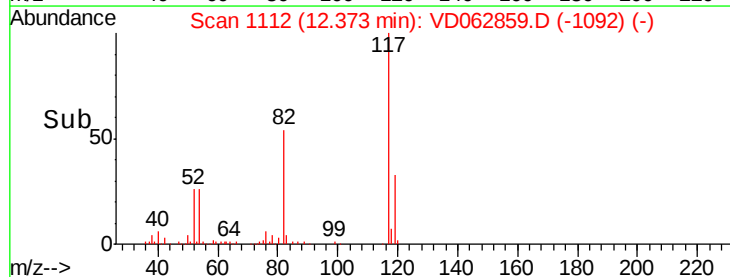
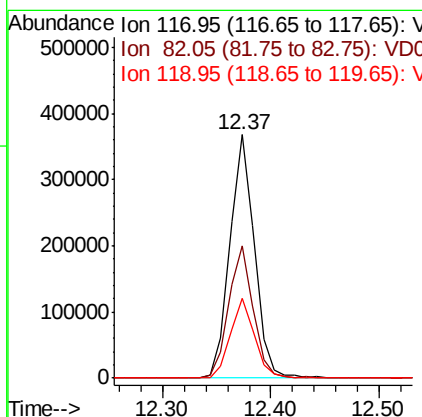
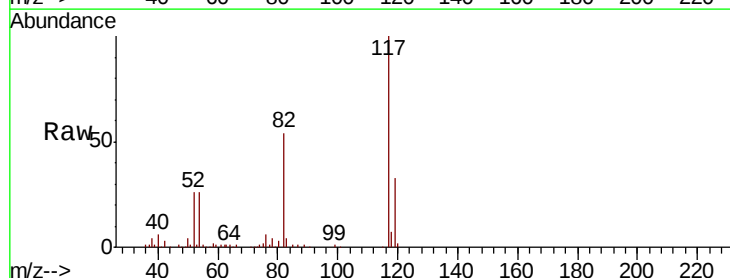
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-7

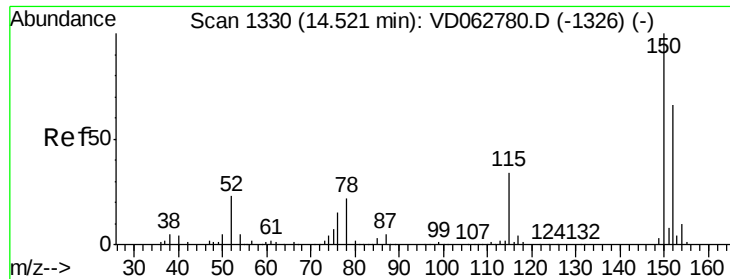
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	158.0
176	68.3	0.0	151.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062859.D
Acq: 25 Jun 2019 2:32

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	40.4	60.6
119	32.7	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: VD062859.D

Acq: 25 Jun 2019 2:32

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-7

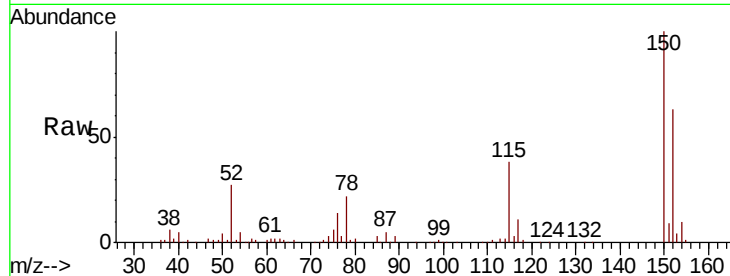
Tot Ion:152 Resp: 188585

Ion Ratio Lower Upper

152 100

115 61.5 29.2 87.6

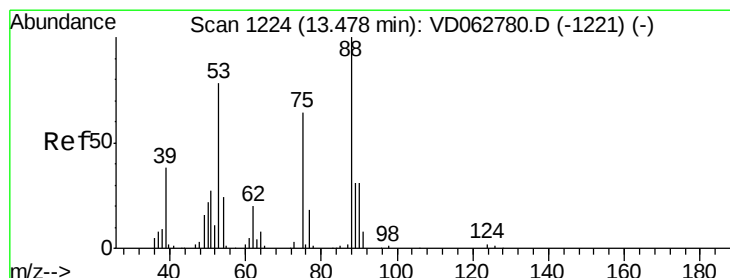
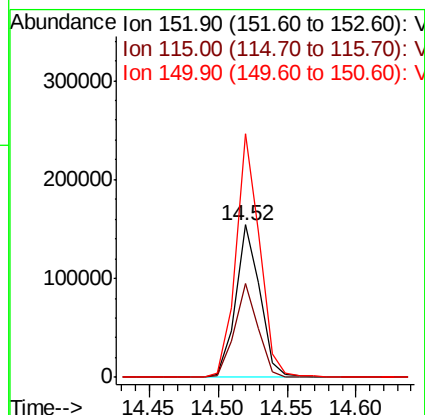
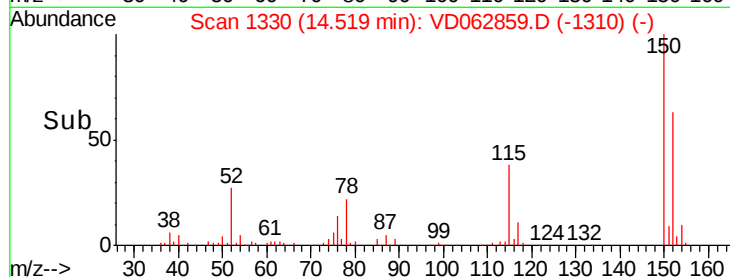
150 159.8 0.0 305.8



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: 210.807 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062859.D

Acq: 25 Jun 2019 2:32

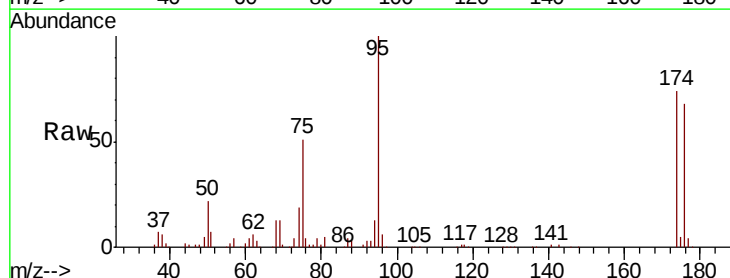
Tgt Ion: 75 Resp: 120282

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

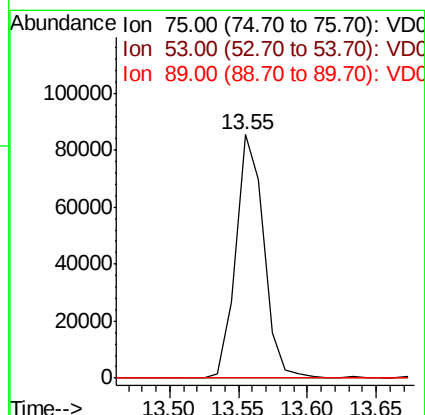
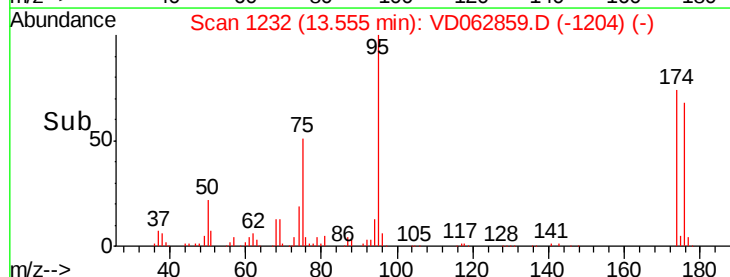
89 0.0 39.4 59.2#

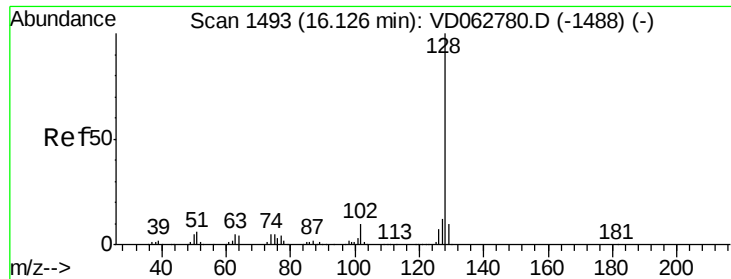


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
 Naphthalene
 Concen: 1.422 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VD062859.D
 Acq: 25 Jun 2019 2:32

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-7

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.0	9.7	14.5
129	7.0	8.3	12.5

