

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062860.D
 Acq On : 25 Jun 2019 2:59
 Operator : VA/AP
 Sample : K3512-05
 Misc : 6.59g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-8

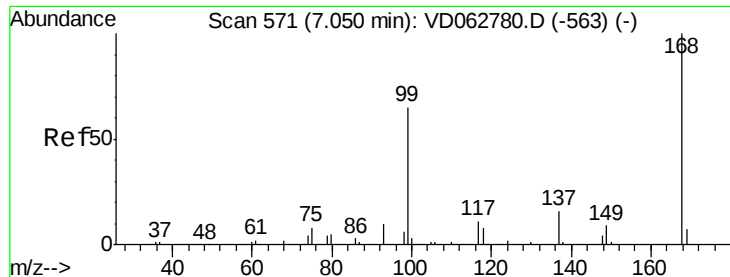
Quant Time: Jun 25 05:08:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	716401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	983213	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	741835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	265372	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	421751	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
35) Dibromofluoromethane	6.93	113	455742	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
50) Toluene-d8	10.41	98	960483	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	13.56	95	338521	41.26	ug/l	0.00
Spiked Amount			Recovery	=	82.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.05	56	1015	2.803	ug/l #	79
16) Acetone	3.24	43	116185	68.494	ug/l #	92
18) Methyl Acetate	3.66	43	2962	1.260	ug/l #	58
20) Methylene Chloride	3.83	84	28624	4.820	ug/l	88
25) 2-Butanone	6.08	43	25303	17.373	ug/l	97
31) Cyclohexane	7.05	56	18047	2.468	ug/l #	14
36) 1,1-Dichloropropene	7.05	75	54303	5.834	ug/l #	55
37) Ethyl Acetate	6.08	43	25302	5.491	ug/l #	69
38) Carbon Tetrachloride	7.05	117	73790	5.271	ug/l #	17
49) 1,4-Dioxane	9.54	88	318	11.023	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.86	63	2461	1.040	ug/l #	47
81) trans-1,4-Dichloro-2-buten	13.56	75	160168	199.486	ug/l #	2

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

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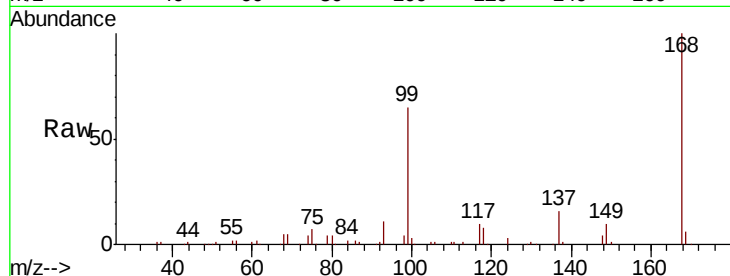
SAMPLE-8

Tot Ion:168 Resp: 716401

Ion Ratio Lower Upper

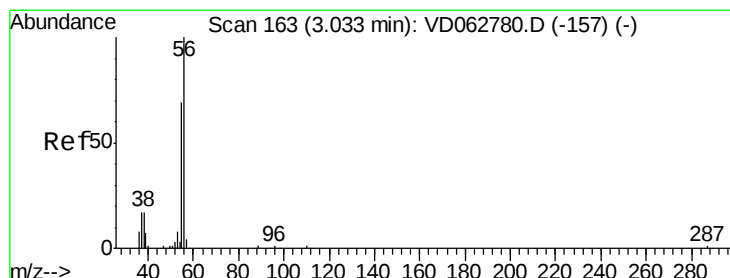
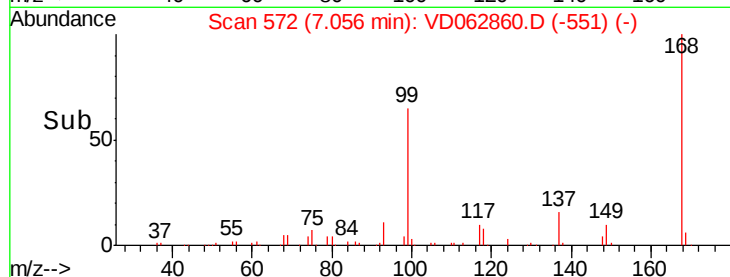
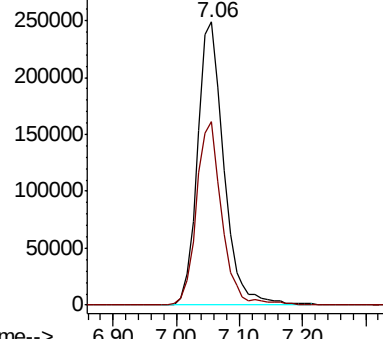
168 100

99 64.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 2.803 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062860.D

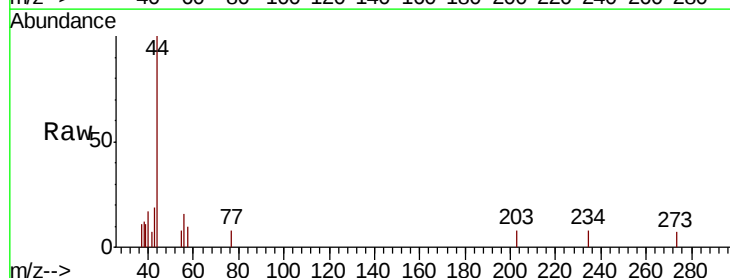
Acq: 25 Jun 2019 2:59

Tgt Ion: 56 Resp: 1015

Ion Ratio Lower Upper

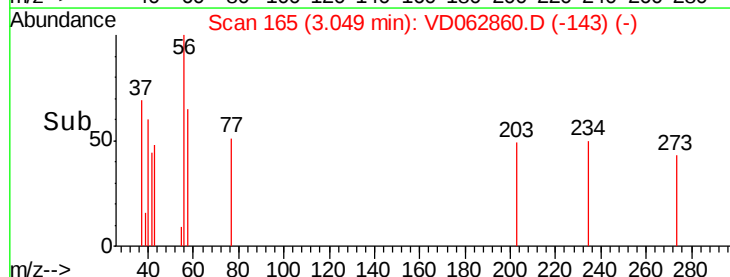
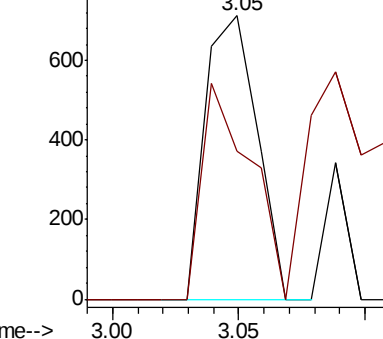
56 100

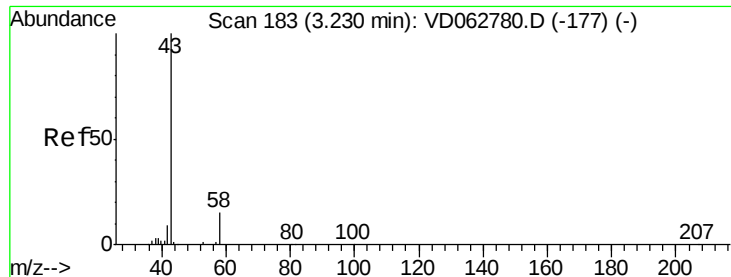
55 52.4 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 68.494 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

Instrument :

MSVOA_D

ClientSampleId :

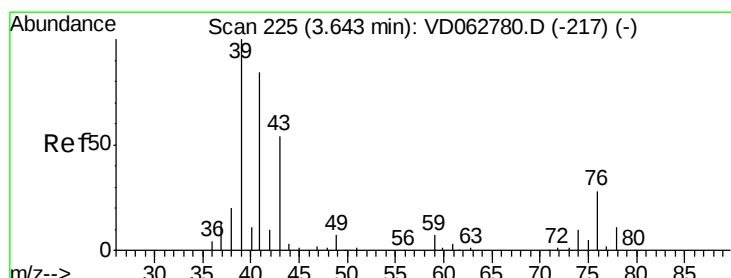
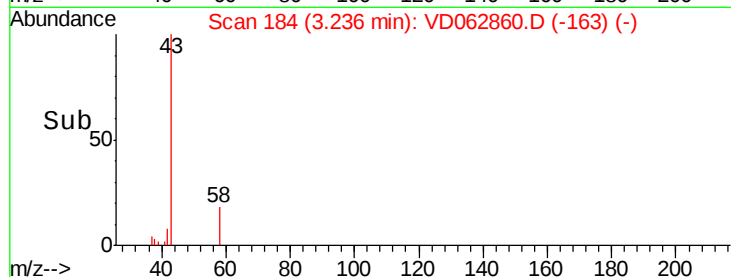
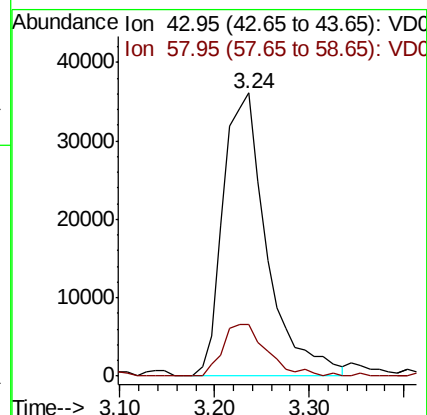
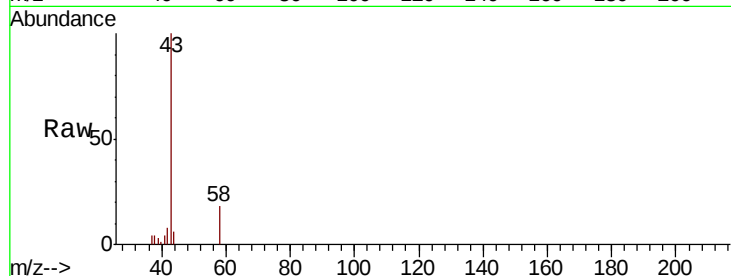
SAMPLE-8

Tot Ion: 43 Resp: 116185

Ion Ratio Lower Upper

43 100

58 18.1 11.9 17.9#



#18

Methyl Acetate

Concen: 1.260 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD062860.D

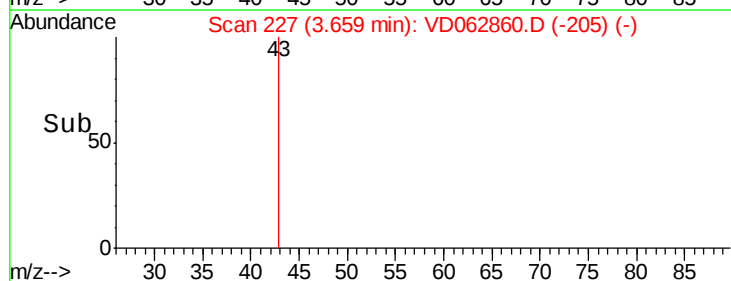
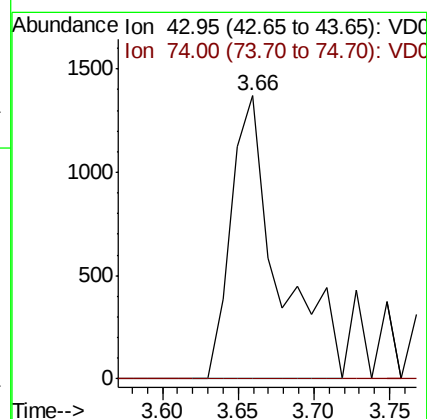
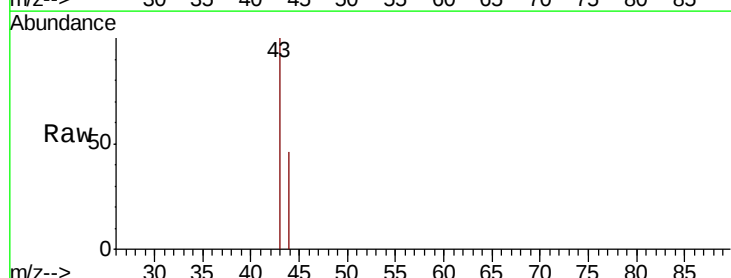
Acq: 25 Jun 2019 2:59

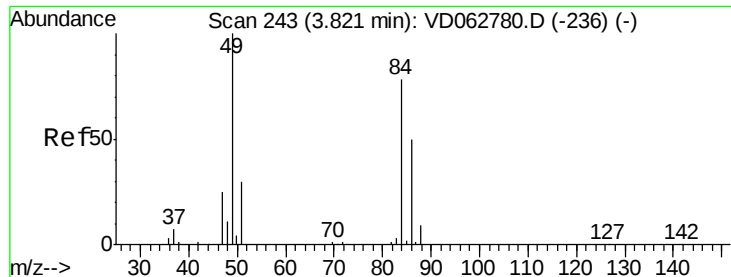
Tgt Ion: 43 Resp: 2962

Ion Ratio Lower Upper

43 100

74 0.0 15.2 22.8#

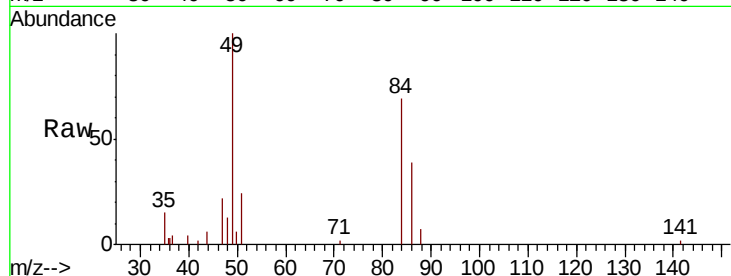




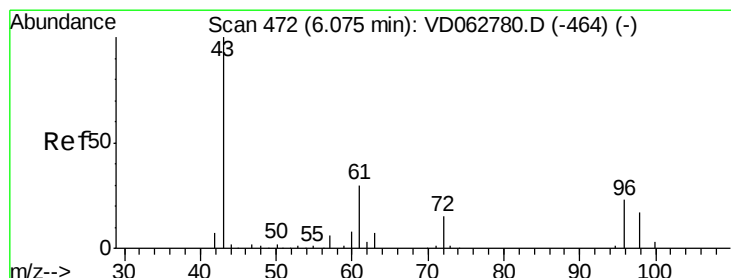
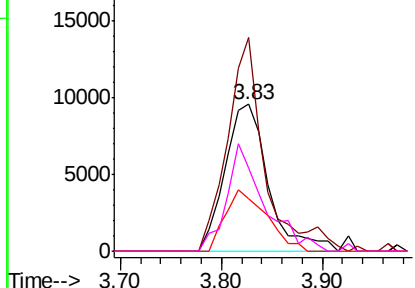
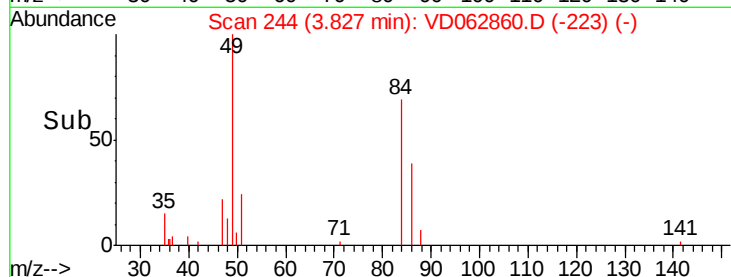
#20
Methvlene Chloride
Concen: 4.820 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-8

Tot Ion: 84 Resp: 28624
Ion Ratio Lower Upper
84 100
49 145.3 102.9 154.3
51 35.5 31.2 46.8
86 56.4 51.4 77.2

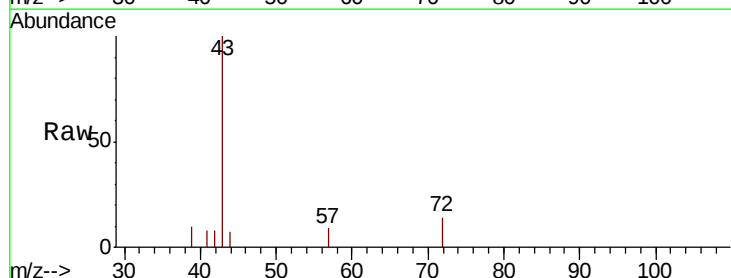


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

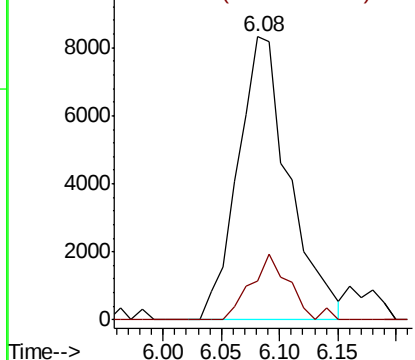
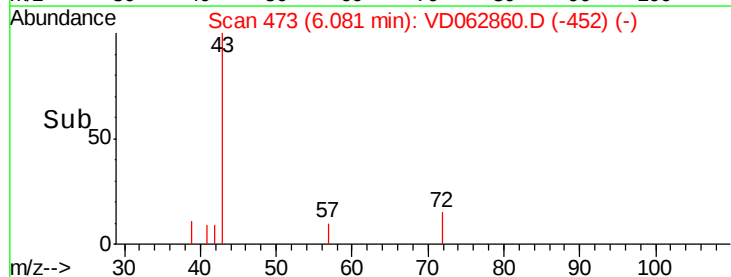


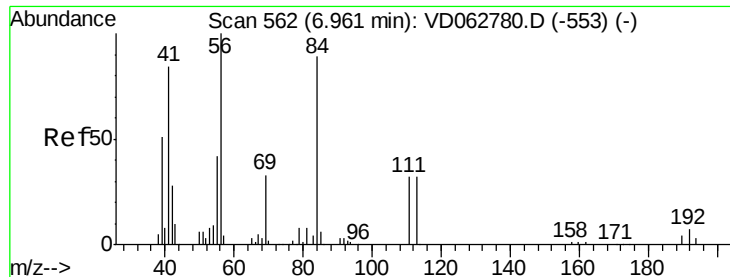
#25
2-Butanone
Concen: 17.373 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

Tgt Ion: 43 Resp: 25303
Ion Ratio Lower Upper
43 100
72 13.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

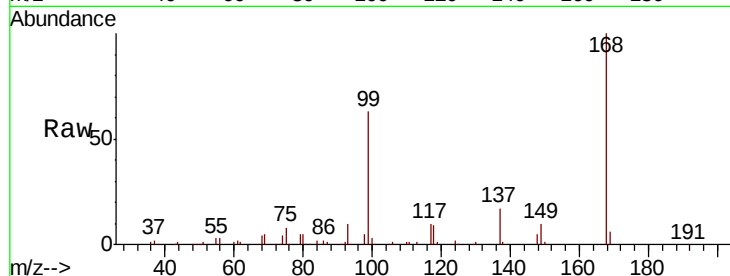




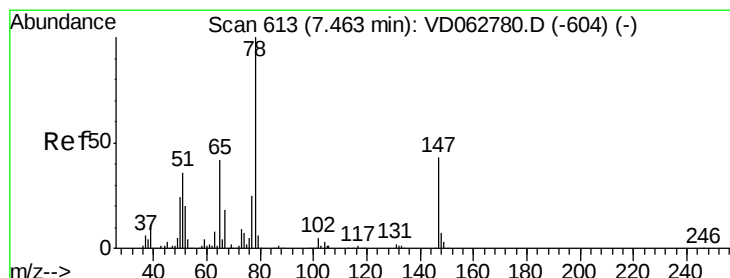
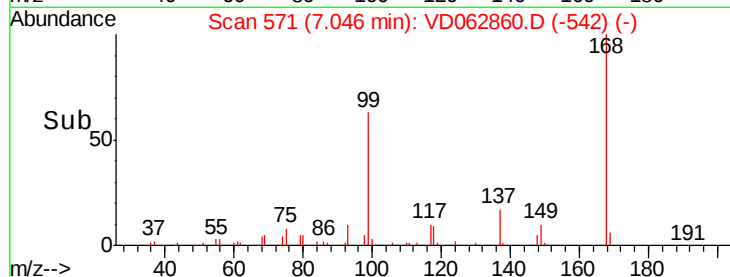
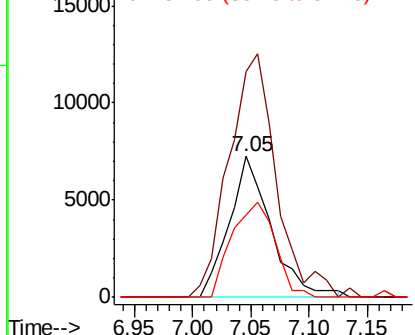
#31
Cyclohexane
Concen: 2.468 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-8

Tot Ion: 56 Resp: 18047
Ion Ratio Lower Upper
56 100
69 159.8 26.6 39.8#
84 58.4 75.5 113.3#

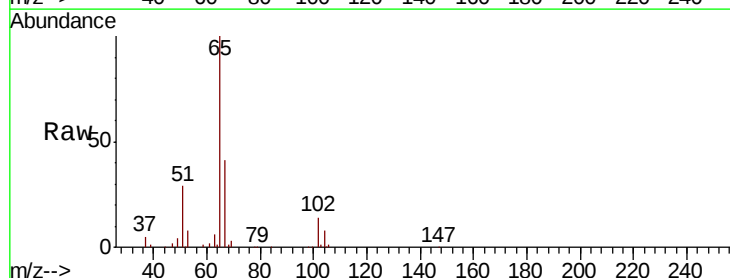


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

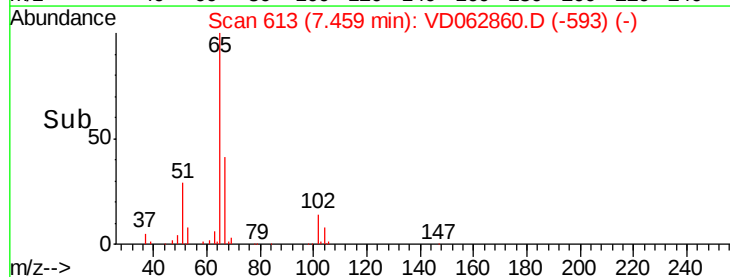
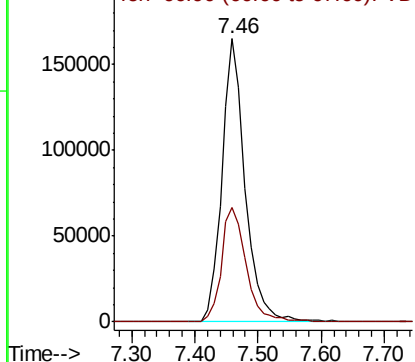


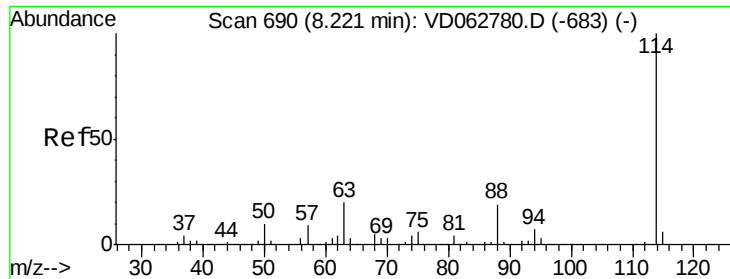
#33
1,2-Dichloroethane-d4
Concen: 54.160 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

Tgt Ion: 65 Resp: 421751
Ion Ratio Lower Upper
65 100
67 40.5 0.0 87.4



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

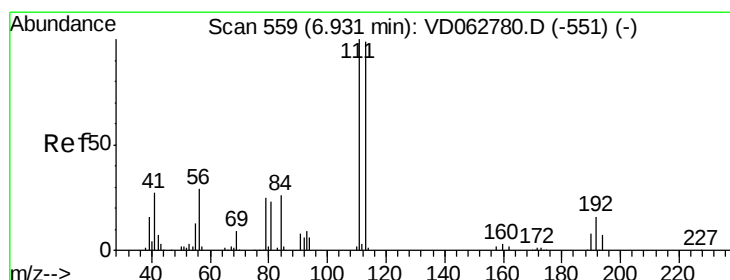
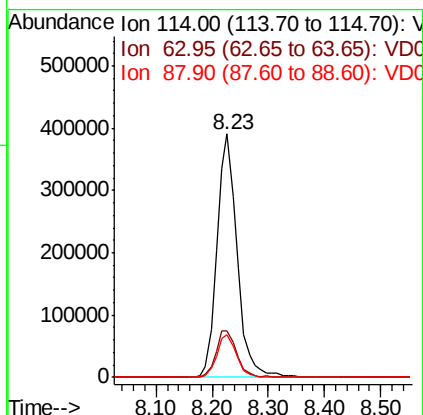
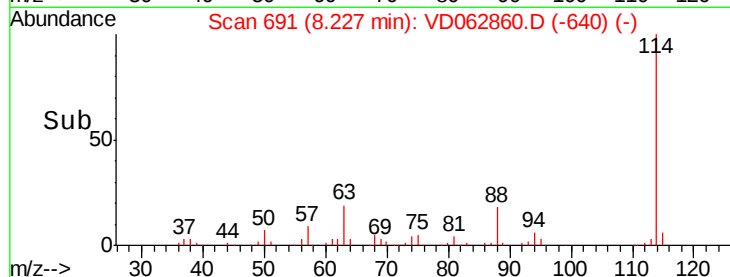
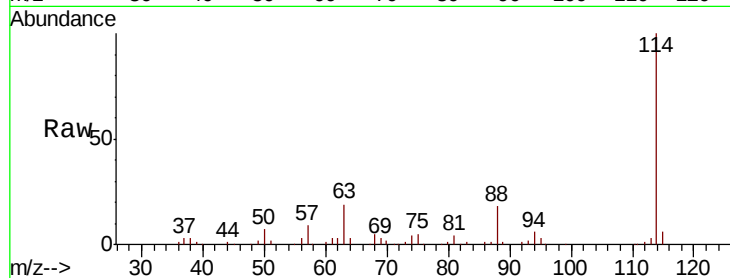




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062860.D
 Acq: 25 Jun 2019 2:59

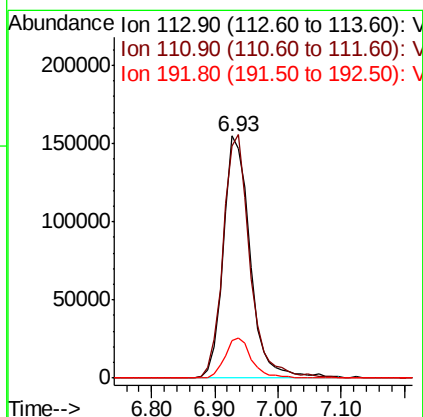
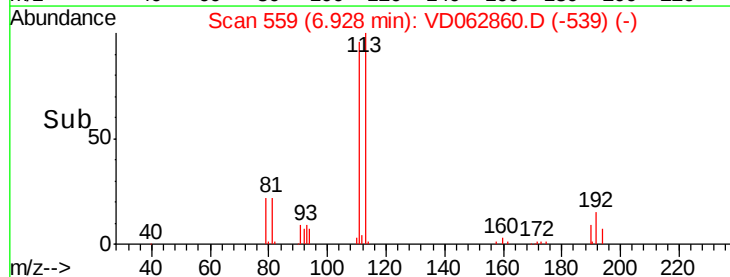
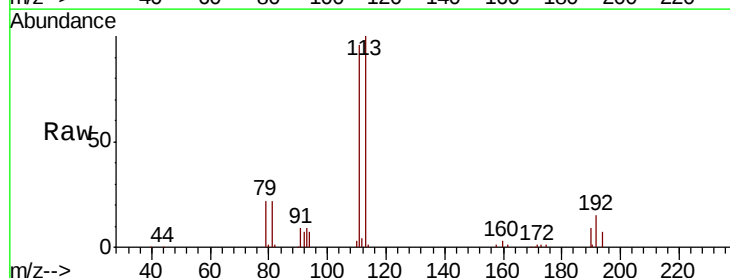
Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-8

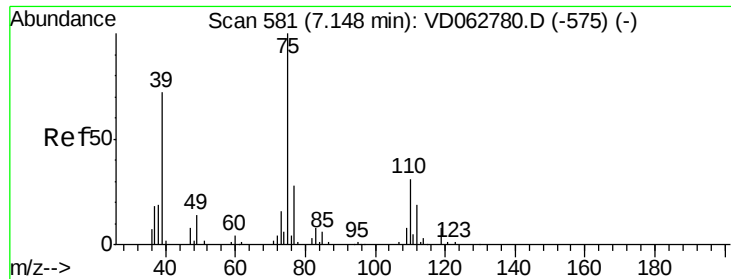
Tot Ion:114 Resp: 983213
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 17.7 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 54.972 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062860.D
 Acq: 25 Jun 2019 2:59

Tgt Ion:113 Resp: 455742
 Ion Ratio Lower Upper
 113 100
 111 95.8 81.2 121.8
 192 15.3 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.834 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-8

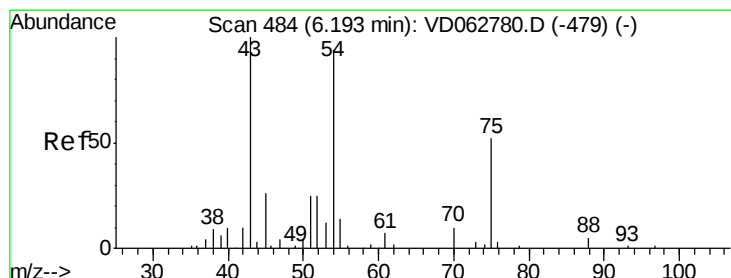
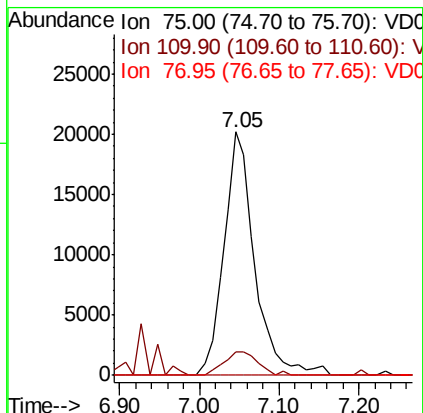
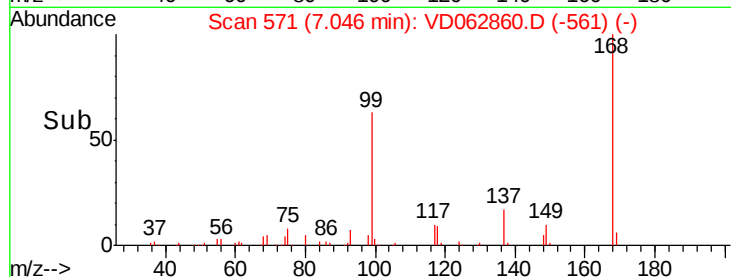
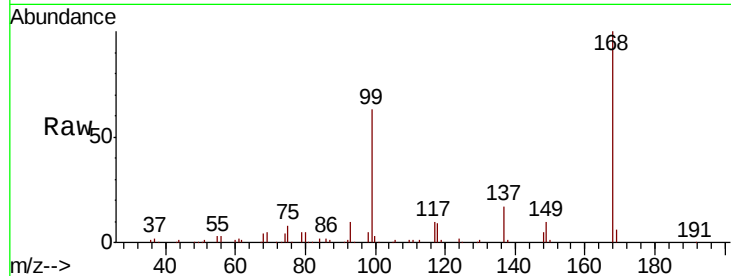
Tot Ion: 75 Resp: 54303

Ion Ratio Lower Upper

75 100

110 9.7 15.0 45.1#

77 0.0 22.2 33.2#



#37

Ethyl Acetate

Concen: 5.491 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.11 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

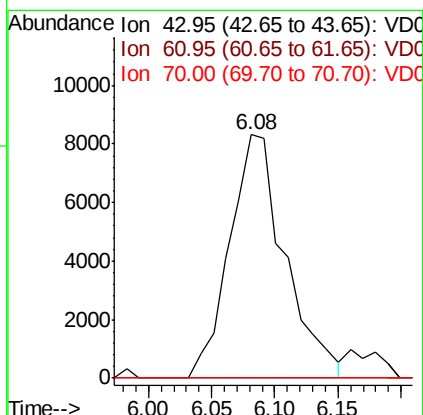
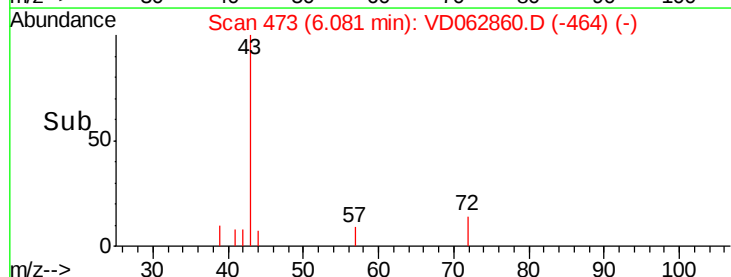
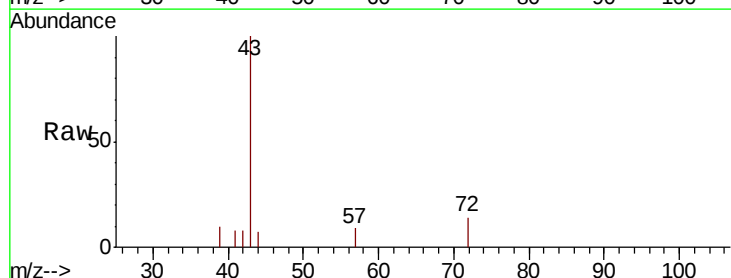
Tgt Ion: 43 Resp: 25302

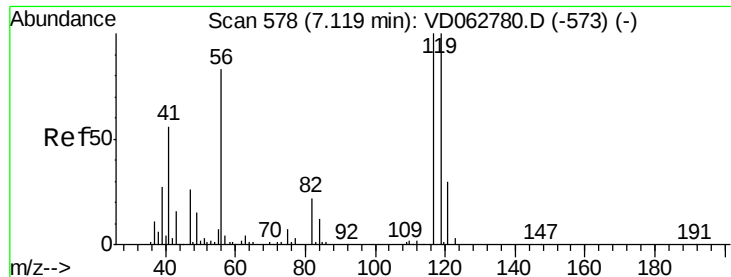
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.0 6.4 9.6#





#38

Carbon Tetrachloride

Concen: 5.271 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

Instrument :

MSVOA_D

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SAMPLE-8

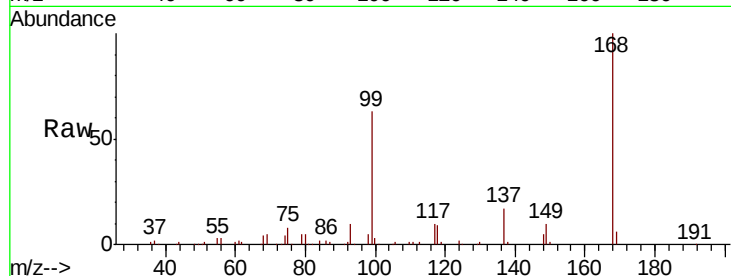
Tot Ion:117 Resp: 73790

Ion Ratio Lower Upper

117 100

119 5.3 75.4 113.2#

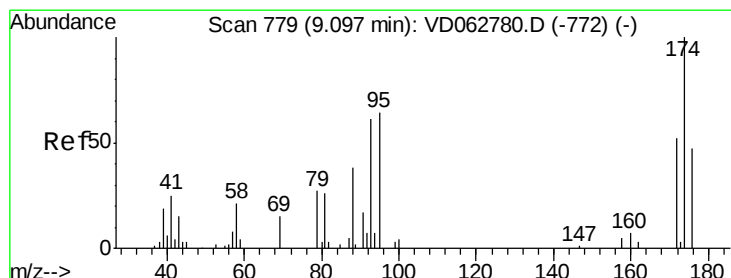
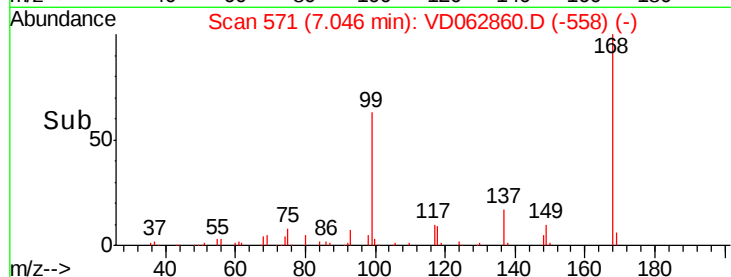
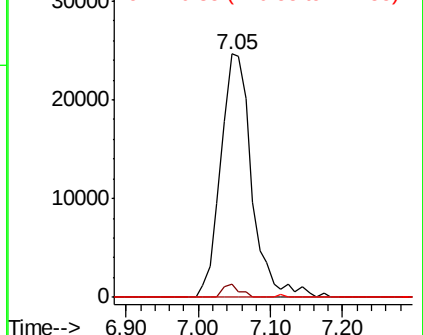
121 0.0 22.3 33.5#



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



#49

1,4-Dioxane

Concen: 11.023 ug/l

RT: 9.54 min Scan# 824

Delta R.T. 0.44 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

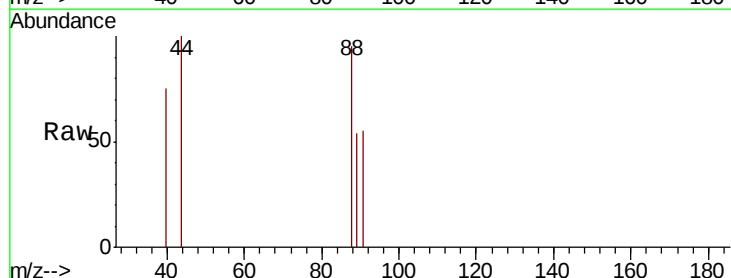
Tgt Ion: 88 Resp: 318

Ion Ratio Lower Upper

88 100

43 105.0 32.1 48.1#

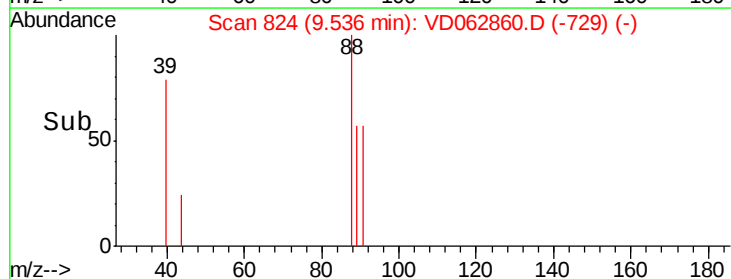
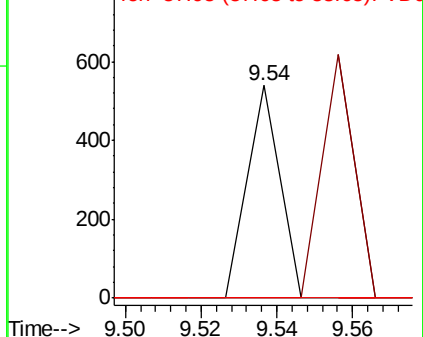
58 0.0 44.1 66.1#

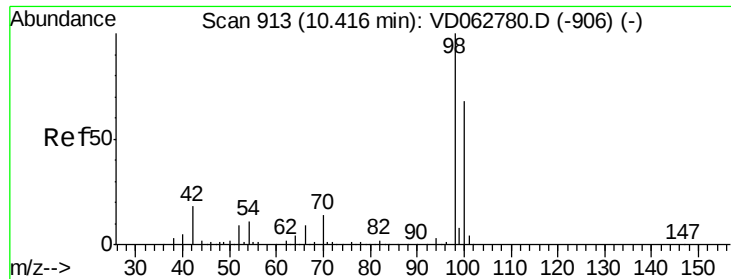


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

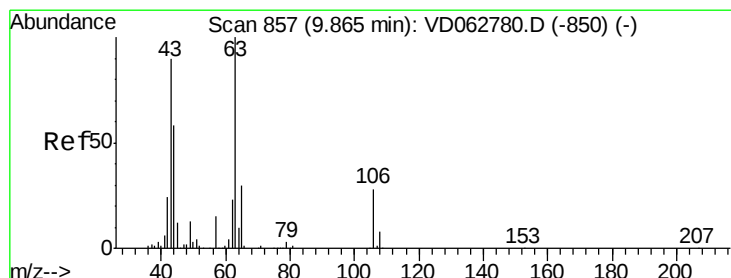
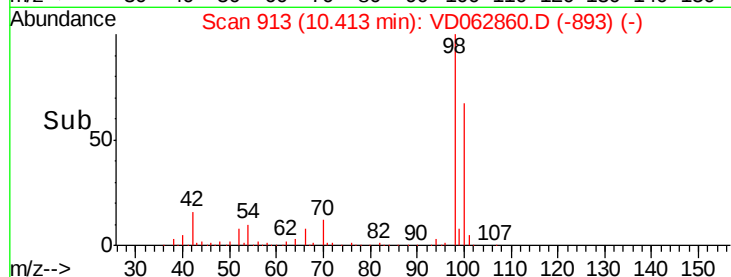
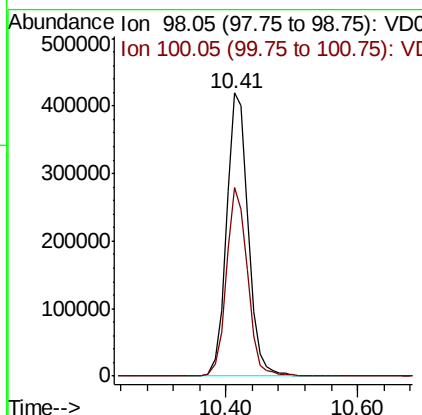
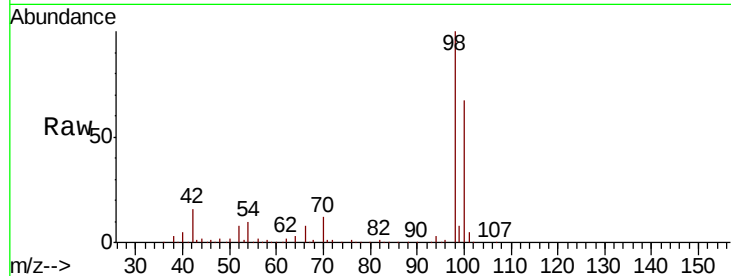




#50
Toluene-d8
Concen: 53.231 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

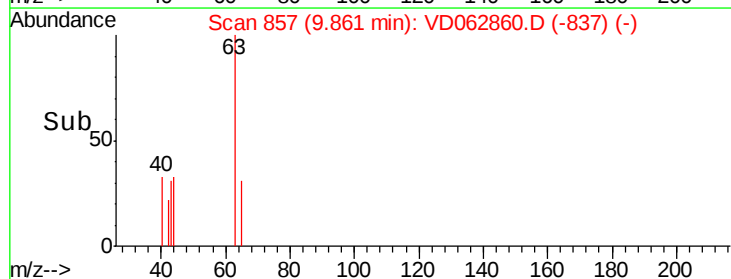
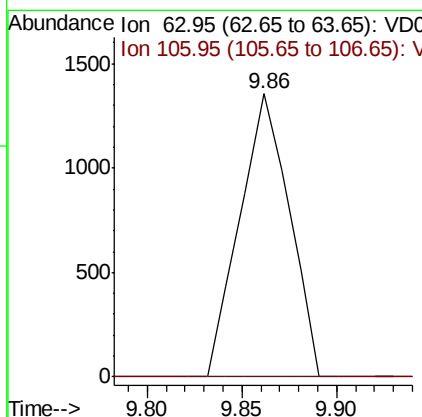
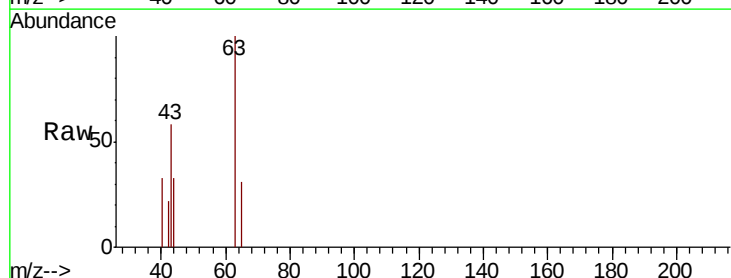
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-8

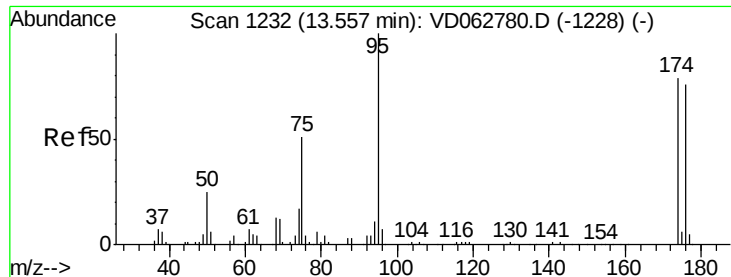
Tot Ion: 98 Resp: 960483
Ion Ratio Lower Upper
98 100
100 66.7 54.7 82.1



#58
2-Chloroethyl Vinyl ether
Concen: 1.040 ug/l
RT: 9.86 min Scan# 857
Delta R.T. -0.00 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

Tgt Ion: 63 Resp: 2461
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#





#62

4-Bromofluorobenzene

Concen: 41.260 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-8

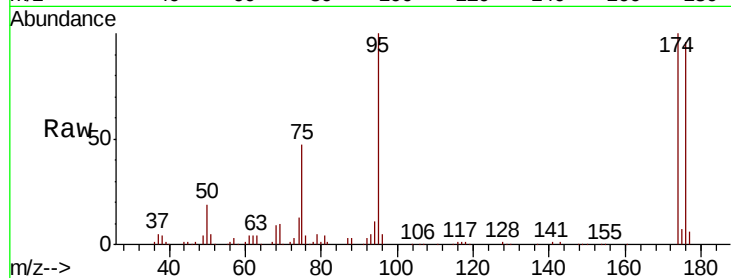
Tot Ion: 95 Resp: 338521

Ion Ratio Lower Upper

95 100

174 100.3 0.0 158.0

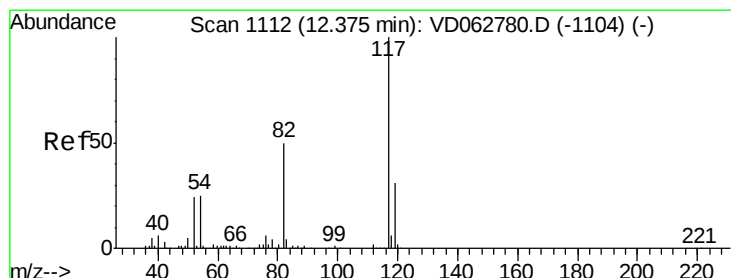
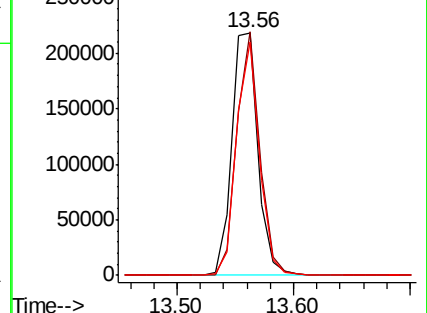
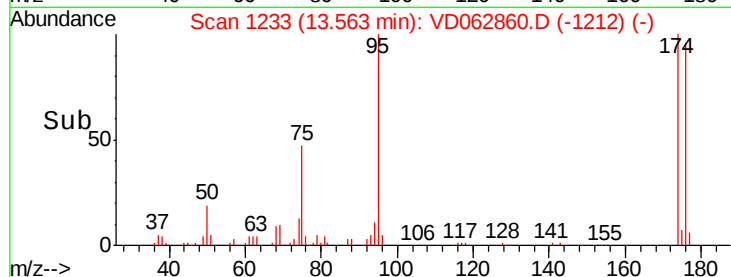
176 96.3 0.0 151.6



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. -0.00 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

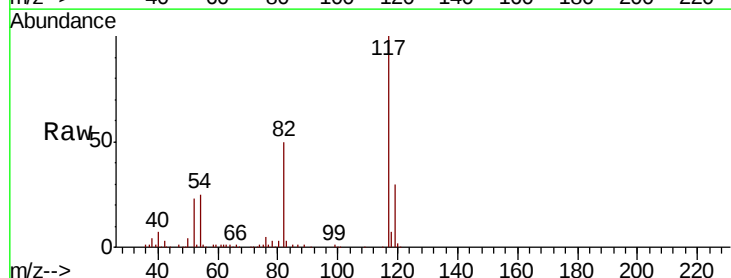
Tgt Ion: 117 Resp: 741835

Ion Ratio Lower Upper

117 100

82 50.4 40.4 60.6

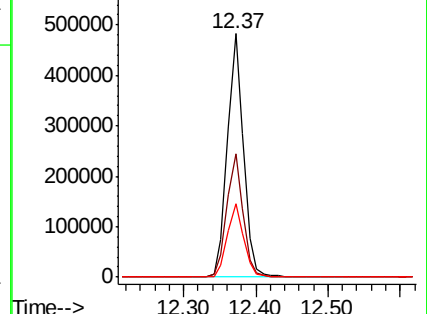
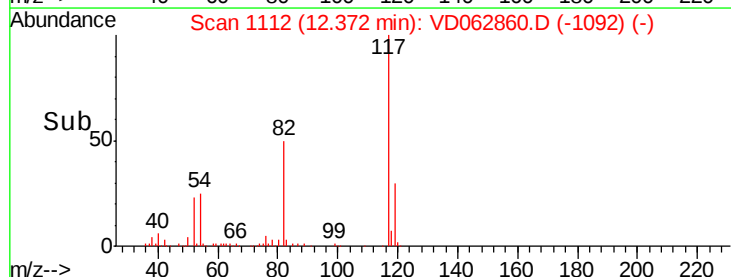
119 29.9 25.2 37.8

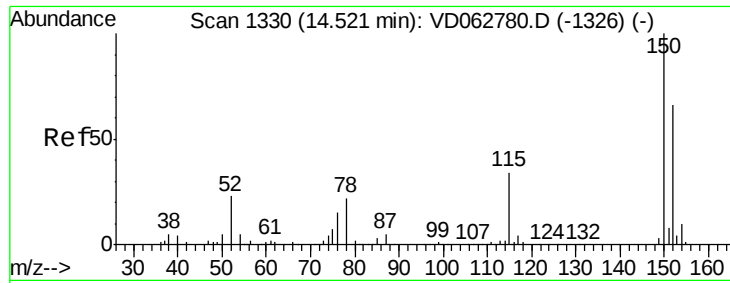


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-8

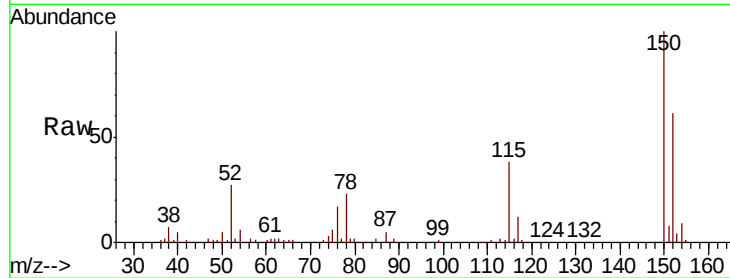
Tot Ion:152 Resp: 265372

Ion Ratio Lower Upper

152 100

115 63.2 29.2 87.6

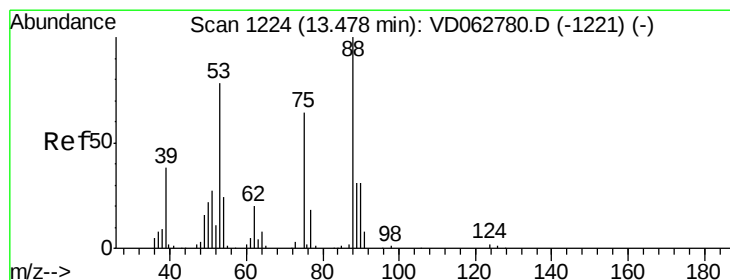
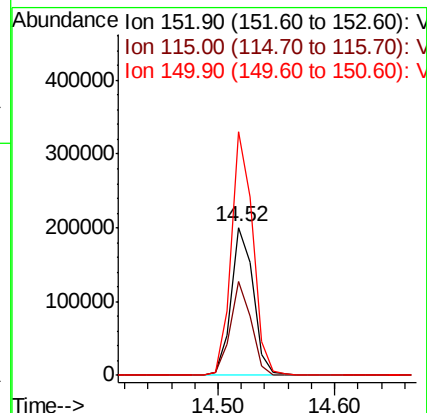
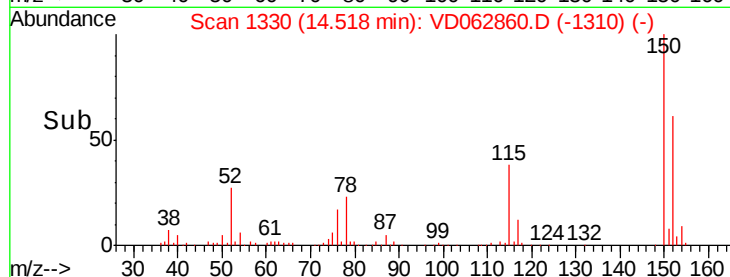
150 164.5 0.0 305.8



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: 199.486 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

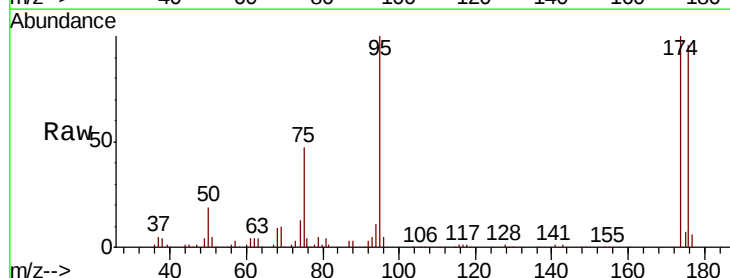
Tgt Ion: 75 Resp: 160168

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

