

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066192.D
 Acq On : 11 Aug 2020 17:50
 Operator : VA/SY
 Sample : L3624-12
 Misc : 3.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-TP-3

Quant Time: Aug 11 21:01:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	183834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	315029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	390370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222521	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	91903	56.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.08%	
35) Dibromofluoromethane	7.91	113	103568	51.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.80%	
50) Toluene-d8	10.34	98	397270	53.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.88%	
62) 4-Bromofluorobenzene	12.63	95	189250	71.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	142.58%	

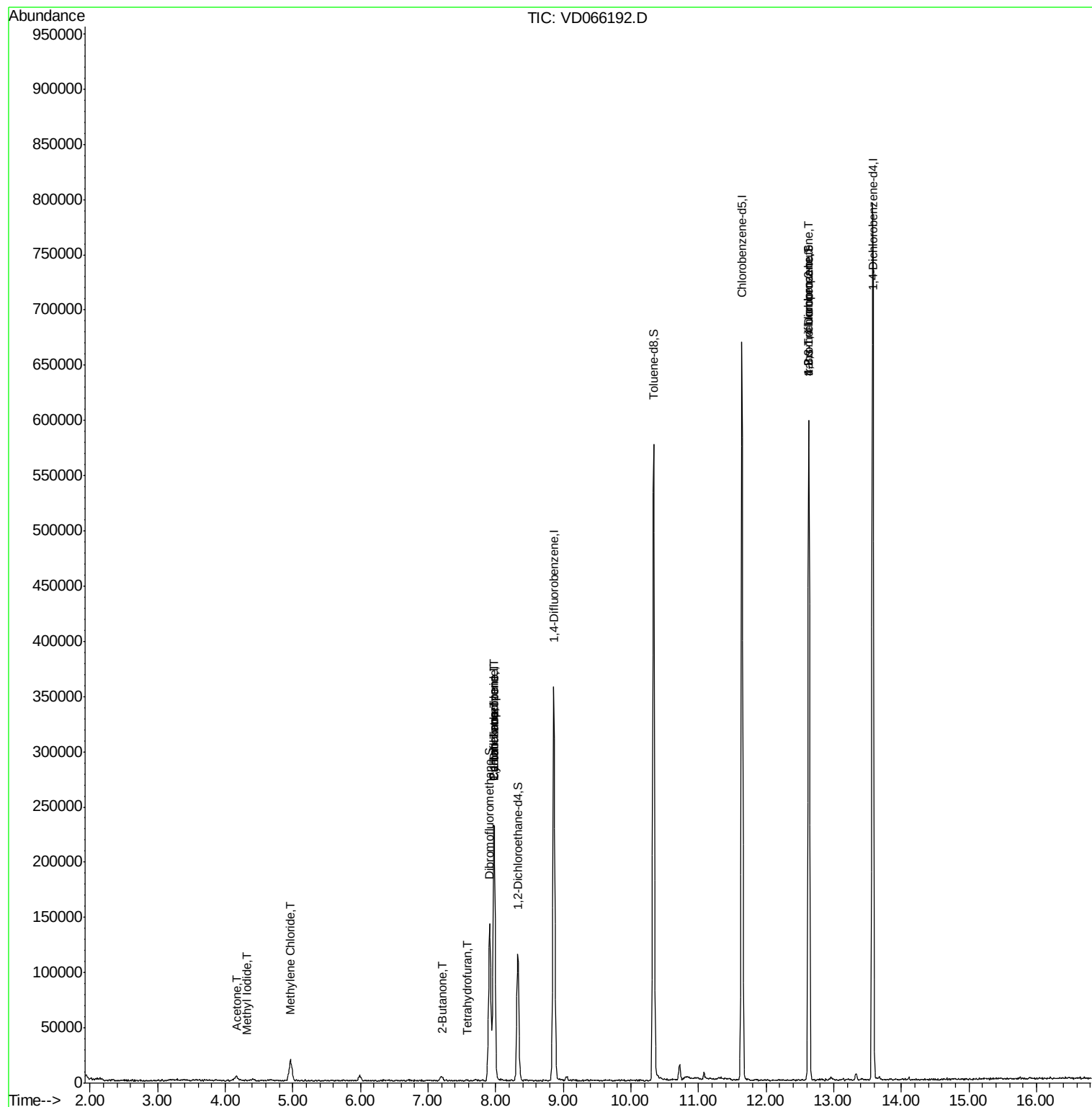
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	59	6.744	ug/l #	39
11) Tert butyl alcohol	5.23	59	78	Below Cal	#	76
16) Acetone	4.16	43	8461	27.189	ug/l	96
20) Methylene Chloride	4.96	84	12979	2.865	ug/l	95
25) 2-Butanone	7.22	43	1475	3.223	ug/l #	52
29) Tetrahydrofuran	7.57	42	342	1.206	ug/l #	33
31) Cyclohexane	7.98	56	3521	1.225	ug/l #	28
36) 1,1-Dichloropropene	7.97	75	13462	4.547	ug/l #	49
38) Carbon Tetrachloride	7.97	117	17281	5.235	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	94765	51.068	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	94765	112.889	ug/l #	13

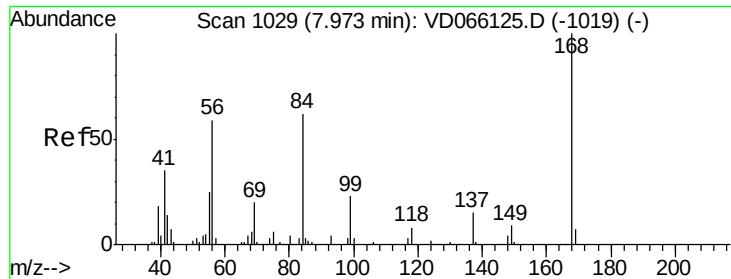
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066192.D

Acq: 11 Aug 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

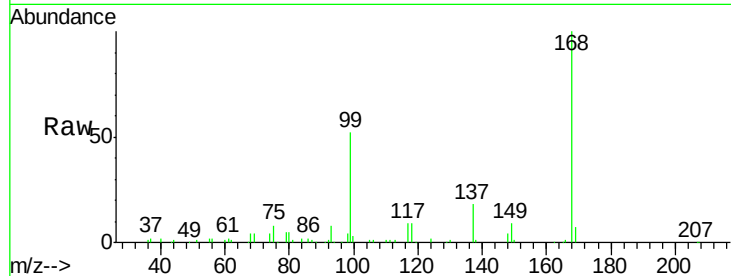
SS-TP-3

Tgt Ion:168 Resp: 183834

Ion Ratio Lower Upper

168 100

99 52.1 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

80000

60000

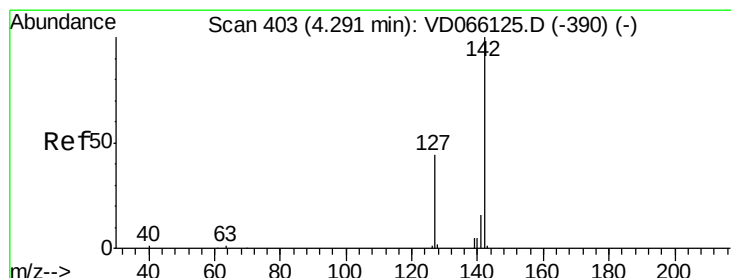
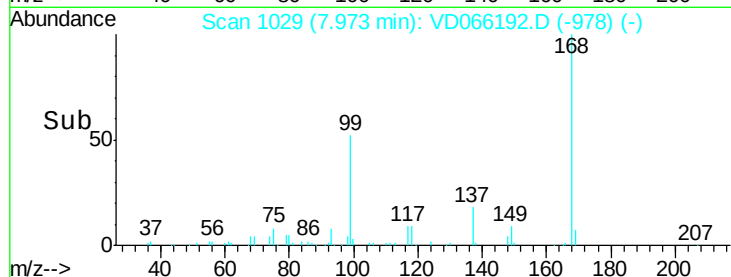
40000

20000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 6.744 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD066192.D

Acq: 11 Aug 2020 17:50

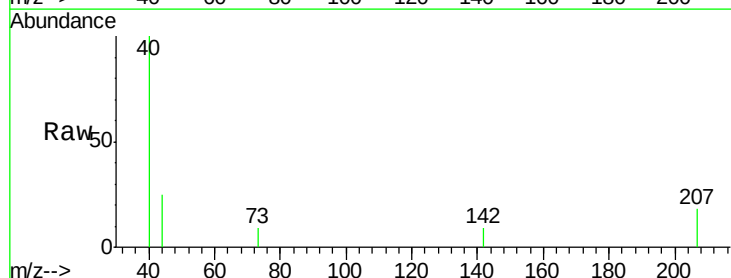
Tgt Ion:142 Resp: 59

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.31

200

150

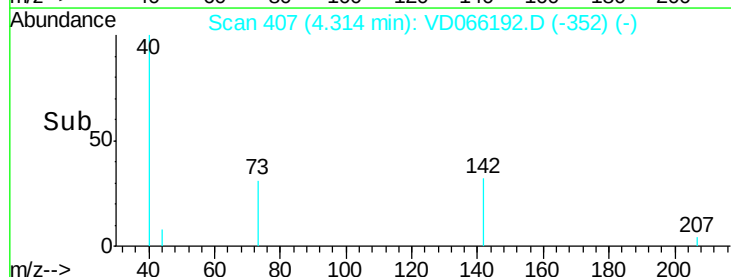
100

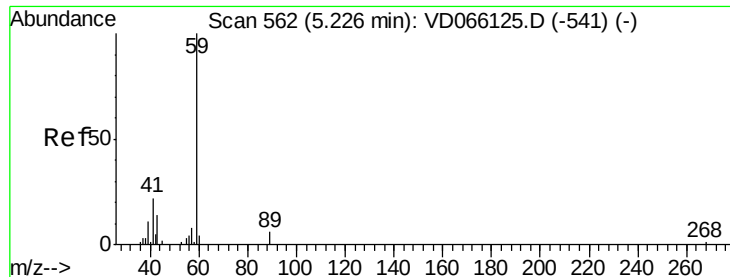
50

0

4.30 4.31 4.32 4.33

Time-->



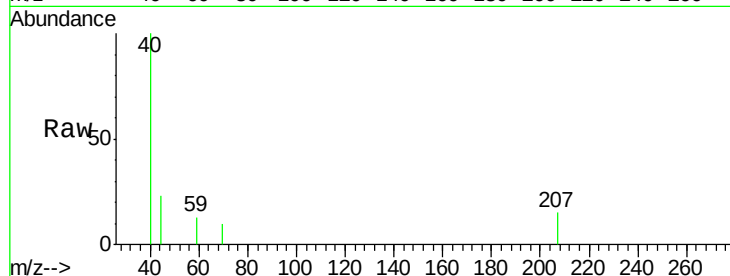


#11

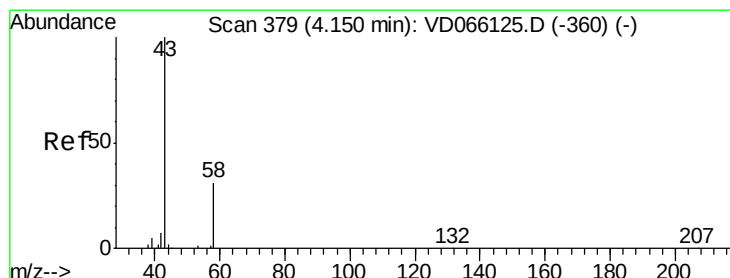
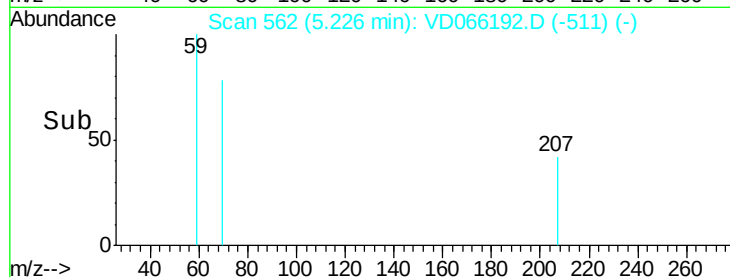
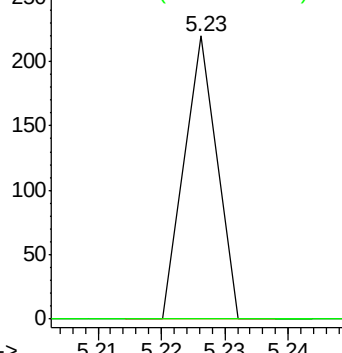
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066192.D
 Acq: 11 Aug 2020 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-TP-3

Tgt Ion: 59 Resp: 78
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#



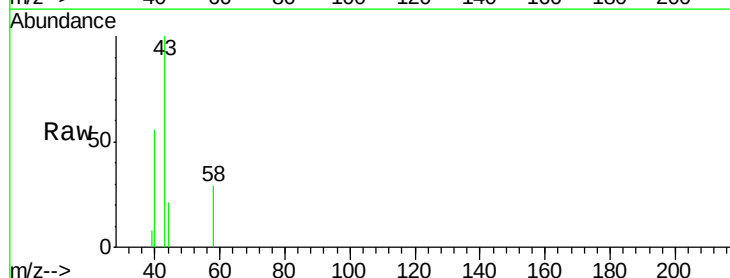
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



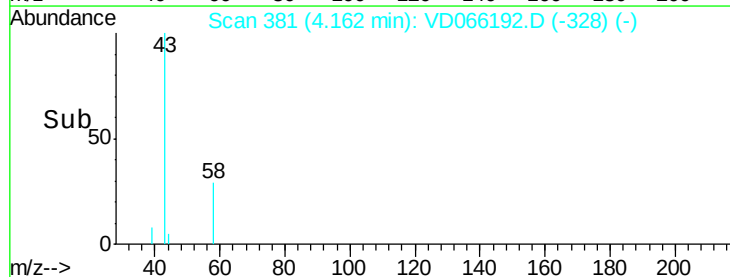
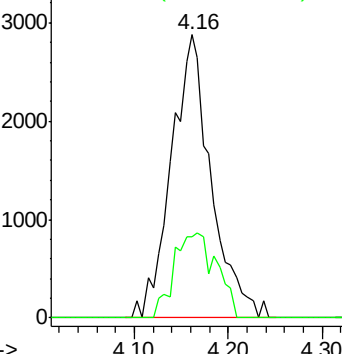
#16

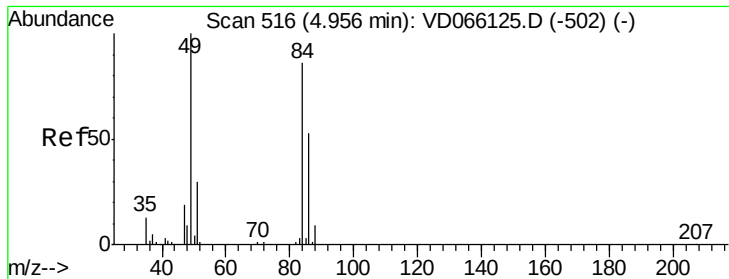
Acetone
 Concen: 27.189 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066192.D
 Acq: 11 Aug 2020 17:50

Tgt Ion: 43 Resp: 8461
 Ion Ratio Lower Upper
 43 100
 58 28.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

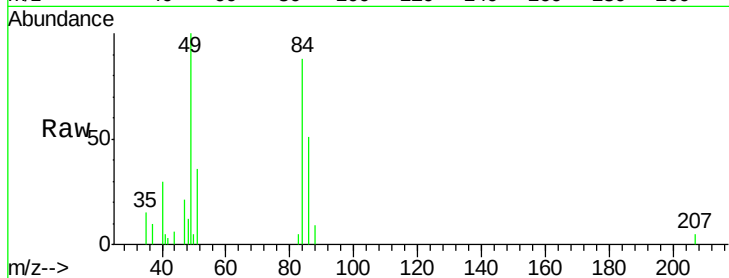




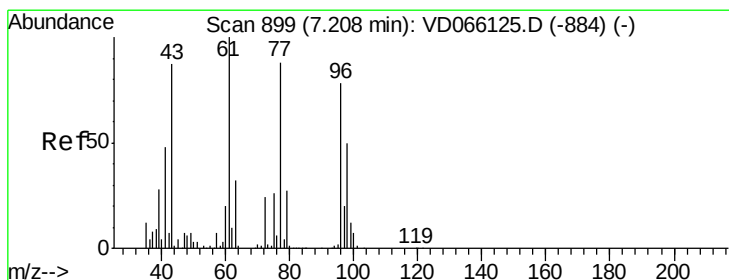
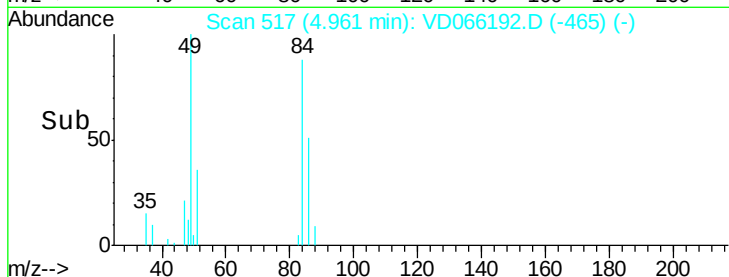
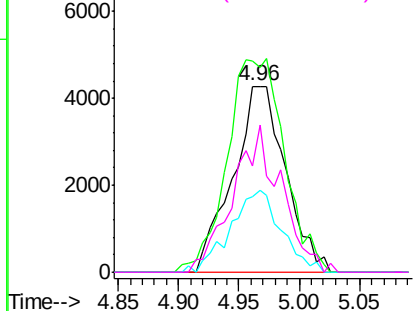
#20
Methylene Chloride
Concen: 2.865 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066192.D
Acq: 11 Aug 2020 17:50

Instrument :
MSVOA_D
ClientSampleId :
SS-TP-3

Tgt Ion: 84 Resp: 12979
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 40.5 28.2 42.4
86 57.4 49.5 74.3

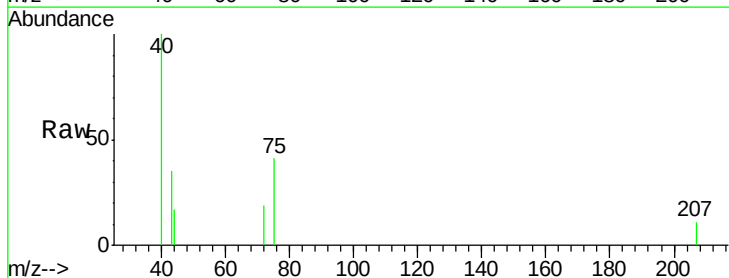


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

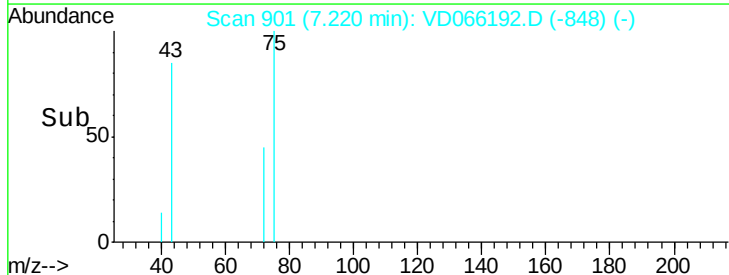
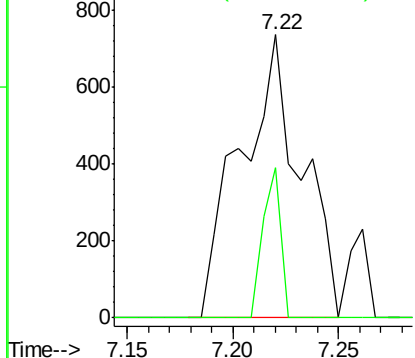


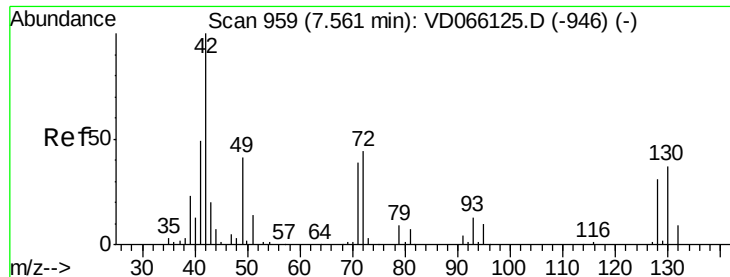
#25
2-Butanone
Concen: 3.223 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066192.D
Acq: 11 Aug 2020 17:50

Tgt Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
72 52.9 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.206 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD066192.D

Acq: 11 Aug 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

SS-TP-3

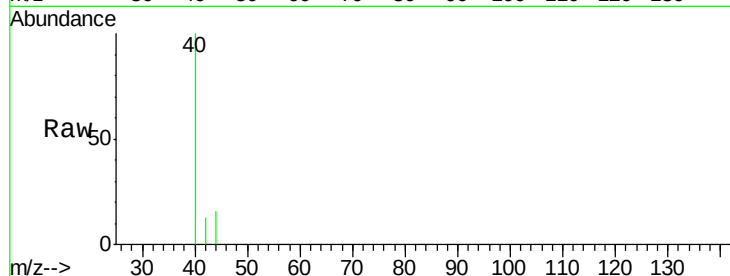
Tgt Ion: 42 Resp: 342

Ion Ratio Lower Upper

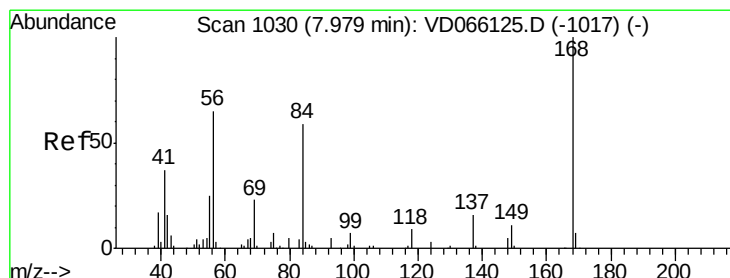
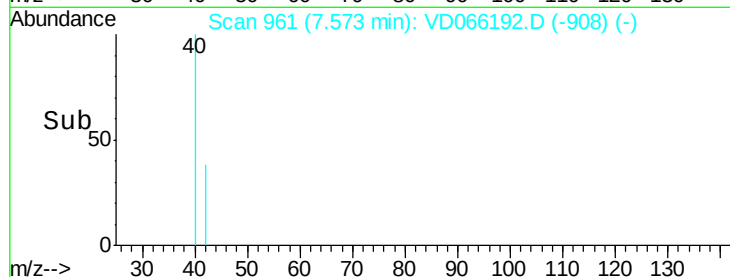
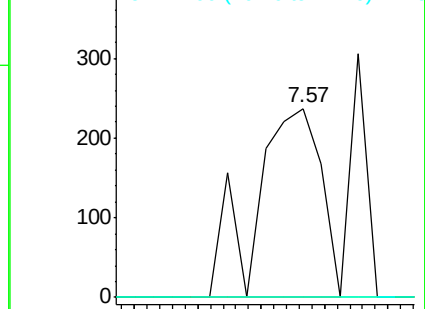
42 100

72 0.0 34.8 52.2#

71 0.0 33.5 50.3#



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



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066192.D

Acq: 11 Aug 2020 17:50

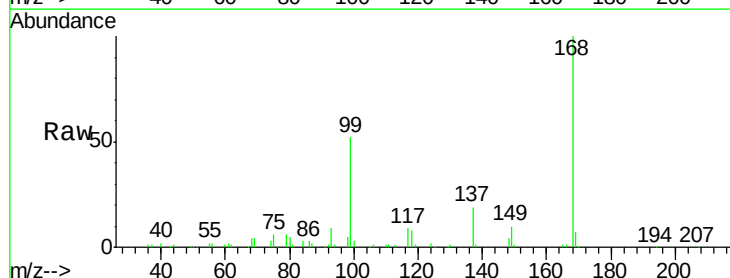
Tgt Ion: 56 Resp: 3521

Ion Ratio Lower Upper

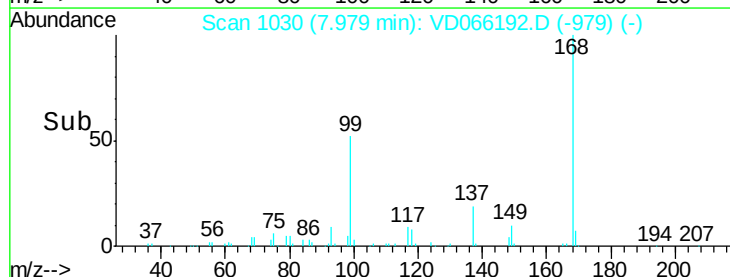
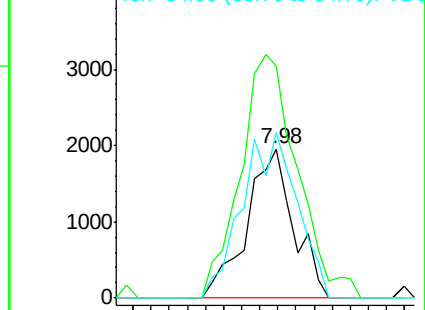
56 100

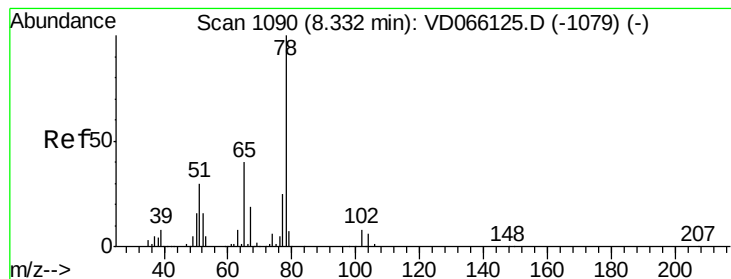
69 155.4 28.8 43.2#

84 110.8 73.0 109.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.036 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066192.D

Acq: 11 Aug 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

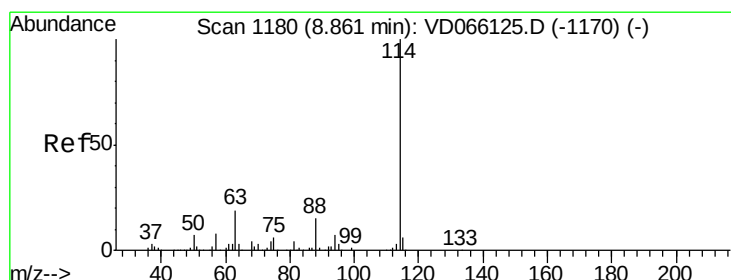
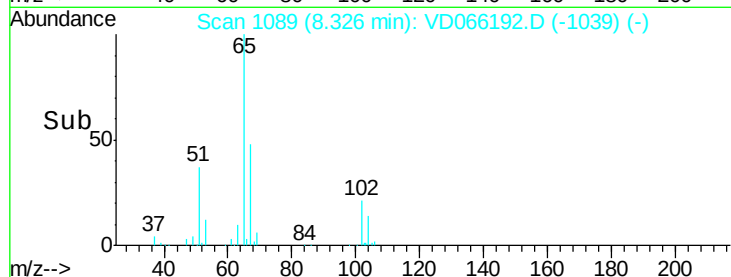
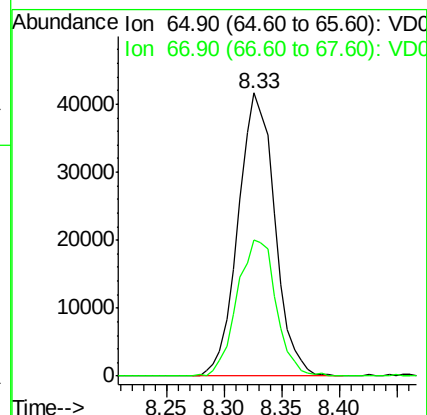
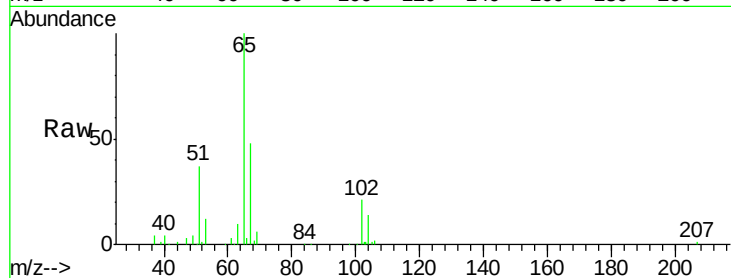
SS-TP-3

Tgt Ion: 65 Resp: 91903

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066192.D

Acq: 11 Aug 2020 17:50

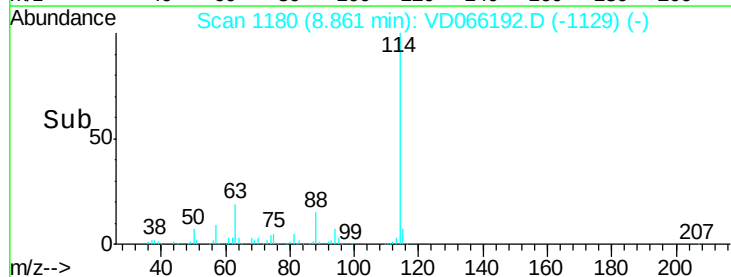
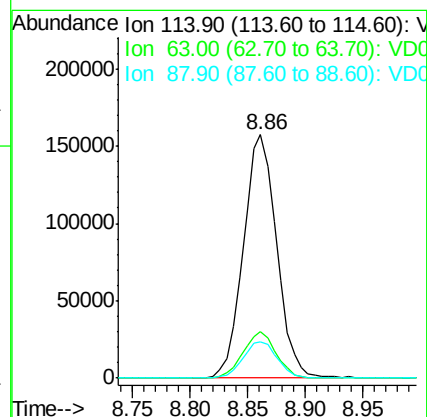
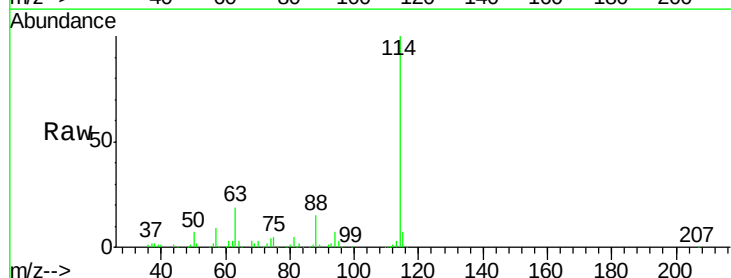
Tgt Ion: 114 Resp: 315029

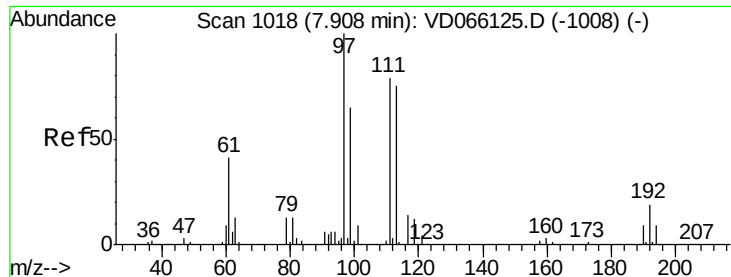
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.1 0.0 30.0

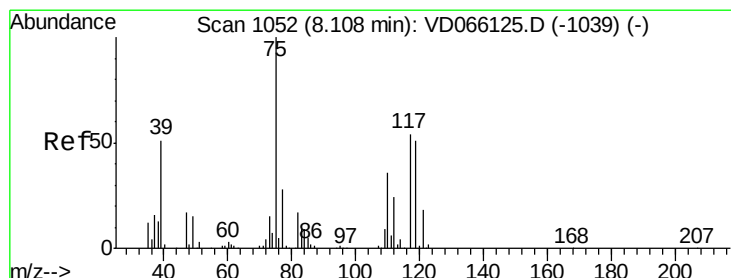
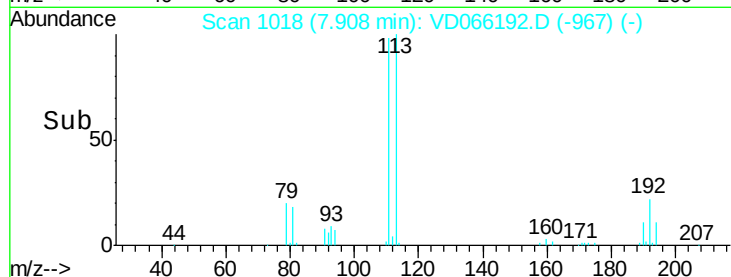
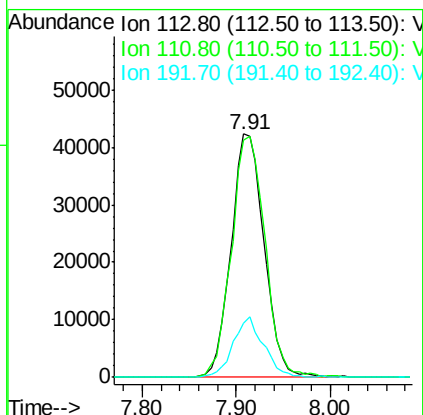
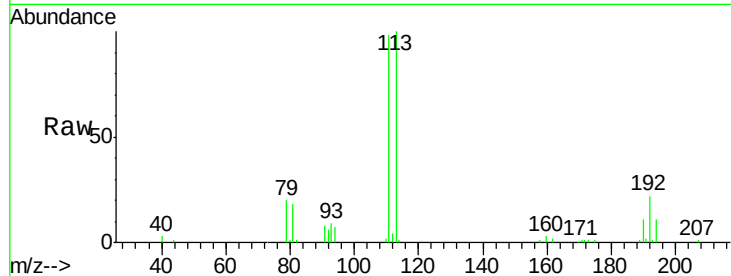




#35
 Dibromofluoromethane
 Concen: 51.896 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066192.D
 Acq: 11 Aug 2020 17:50

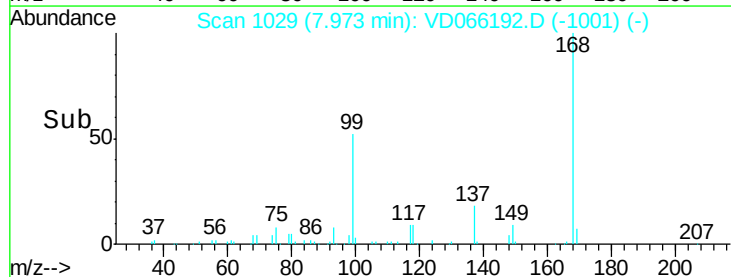
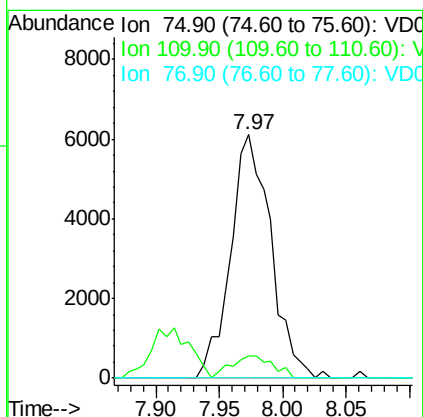
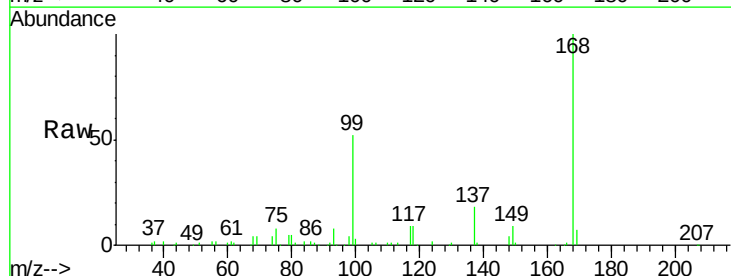
Instrument :
 MSVOA_D
 ClientSampled :
 SS-TP-3

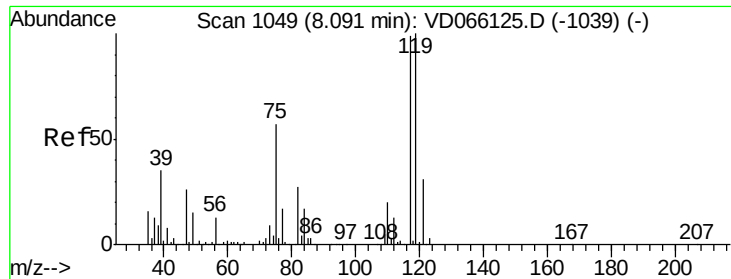
Tgt Ion:113 Resp: 103568
 Ion Ratio Lower Upper
 113 100
 111 100.4 80.7 121.1
 192 22.8 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066192.D
 Acq: 11 Aug 2020 17:50

Tgt Ion: 75 Resp: 13462
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.8 56.3#
 77 0.0 24.2 36.2#

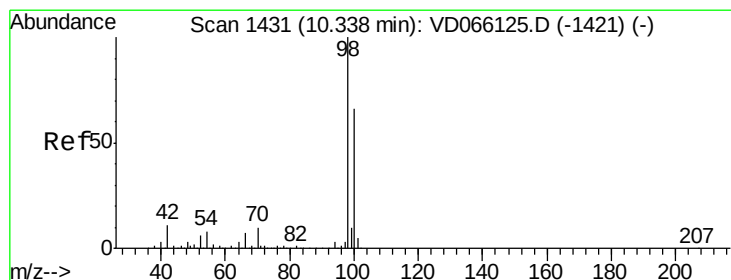
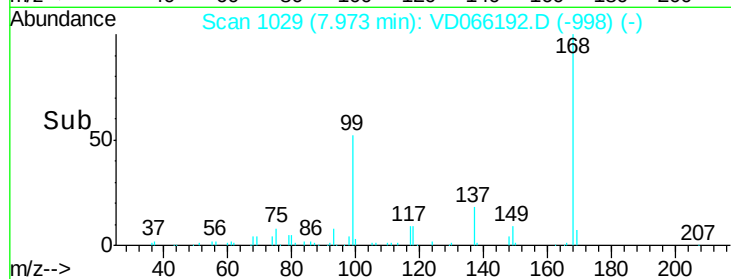
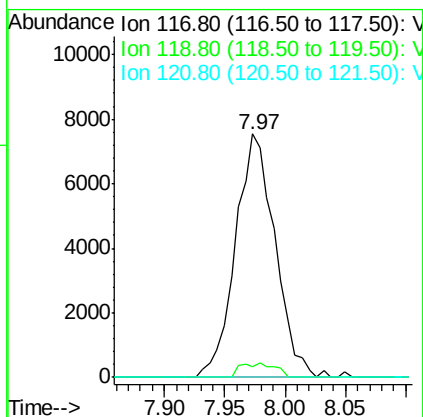
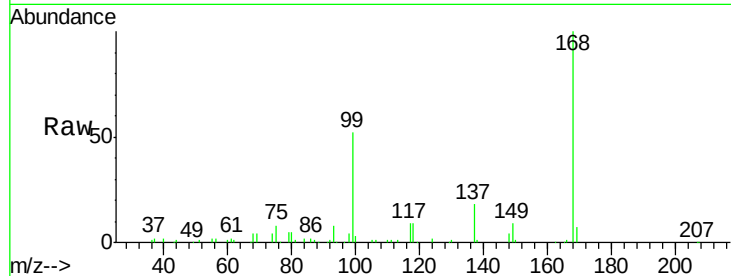




#38
Carbon Tetrachloride
Concen: 5.235 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066192.D
Acq: 11 Aug 2020 17:50

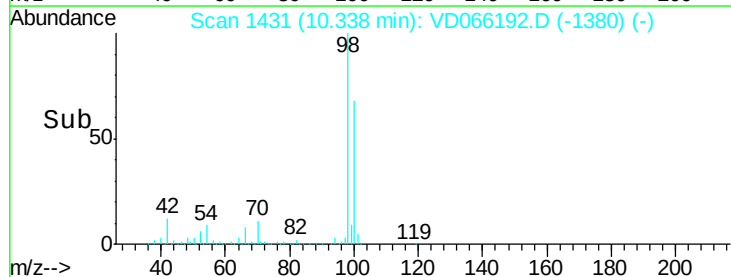
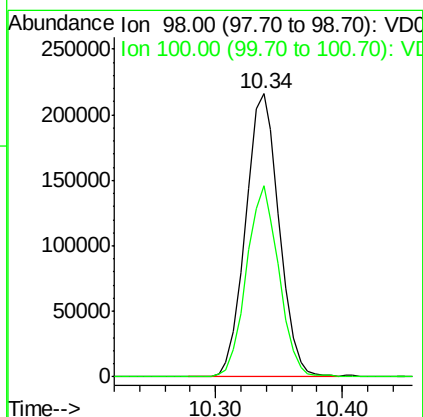
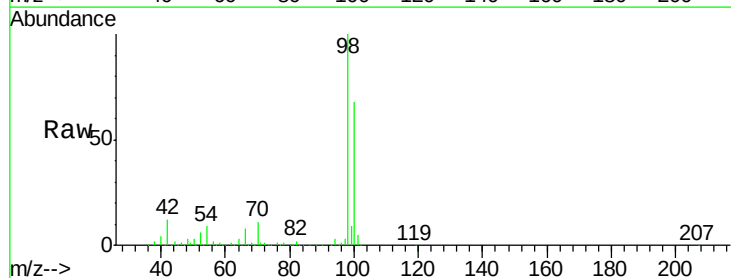
Instrument :
MSVOA_D
ClientSampleId :
SS-TP-3

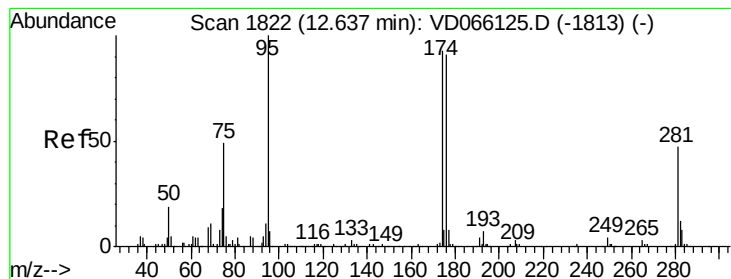
Tgt Ion: 117 Resp: 17281
Ion Ratio Lower Upper
117 100
119 4.6 81.0 121.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.944 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066192.D
Acq: 11 Aug 2020 17:50

Tgt Ion: 98 Resp: 397270
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 71.291 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066192.D

Acq: 11 Aug 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

SS-TP-3

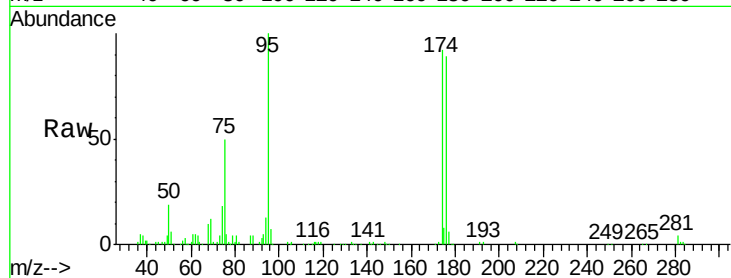
Tgt Ion: 95 Resp: 189250

Ion Ratio Lower Upper

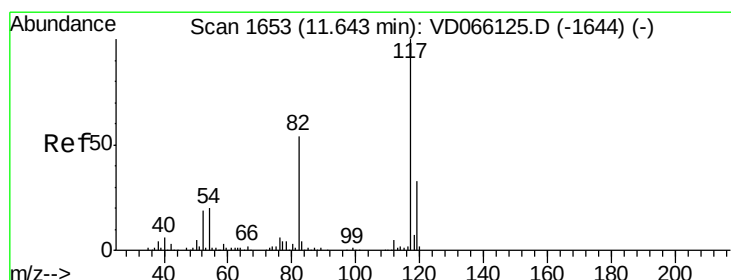
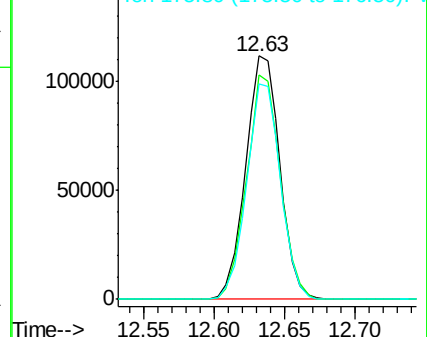
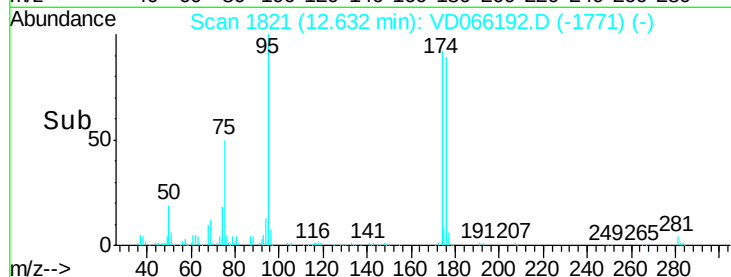
95 100

174 91.1 0.0 180.8

176 87.6 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VD066192.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066192.D

Acq: 11 Aug 2020 17:50

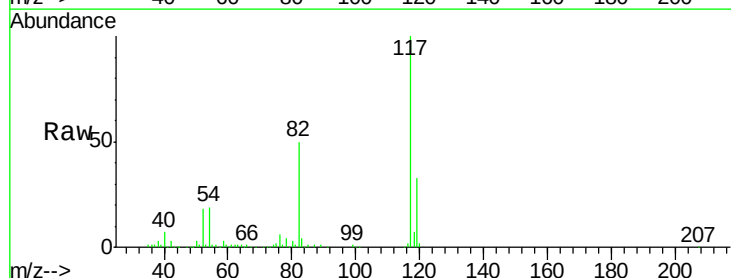
Tgt Ion: 117 Resp: 390370

Ion Ratio Lower Upper

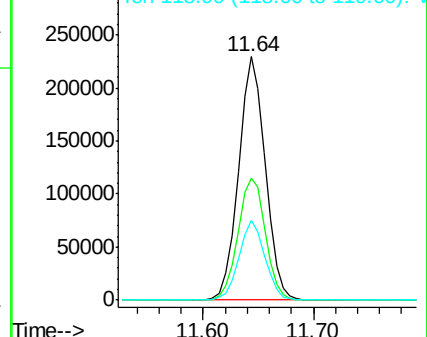
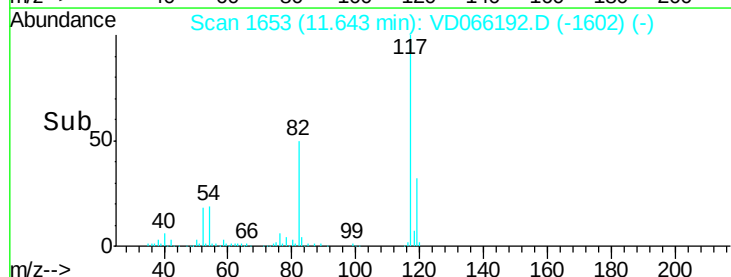
117 100

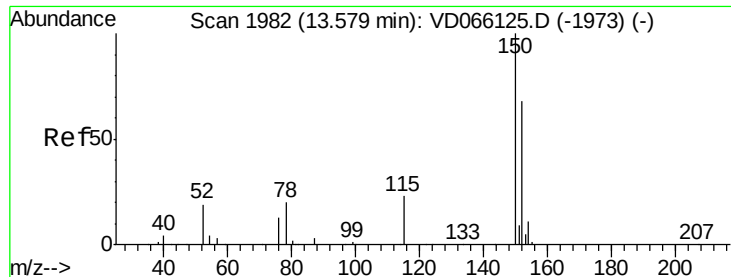
82 50.1 43.0 64.4

119 32.7 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VD066192.D (-1602) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066192.D

Acq: 11 Aug 2020 17:50

Instrument :

MSVOA_D

ClientSampleId :

SS-TP-3

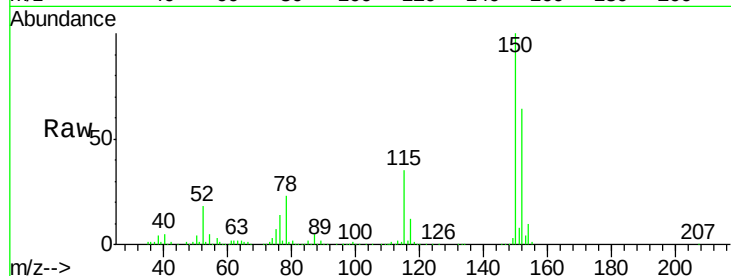
Tgt Ion:152 Resp: 222521

Ion Ratio Lower Upper

152 100

115 56.2 28.0 83.9

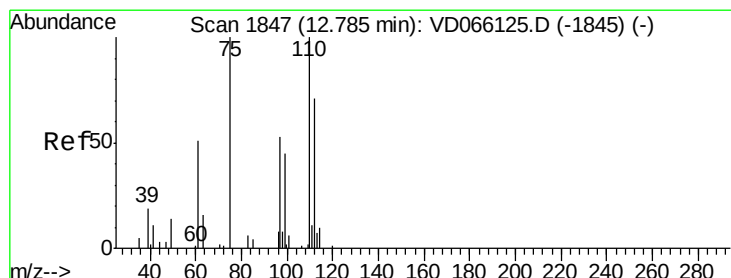
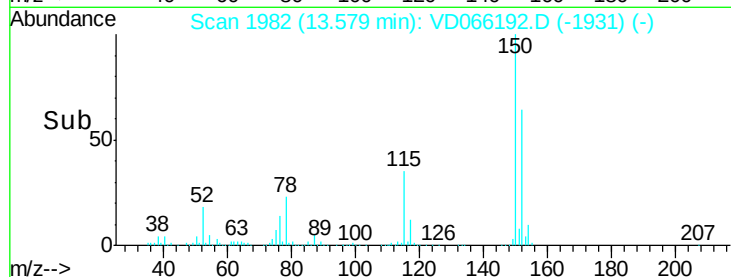
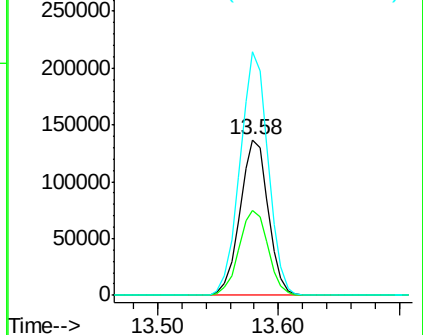
150 156.6 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 51.068 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066192.D

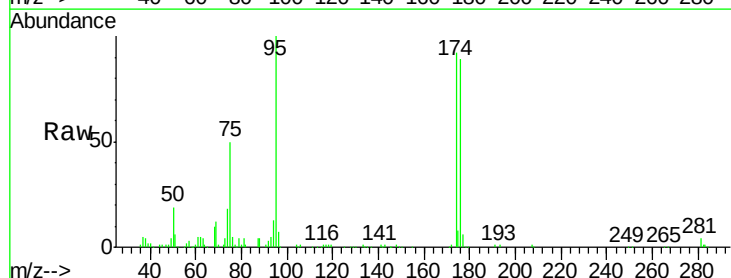
Acq: 11 Aug 2020 17:50

Tgt Ion: 75 Resp: 94765

Ion Ratio Lower Upper

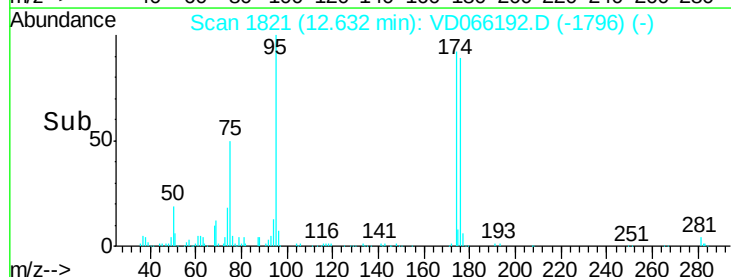
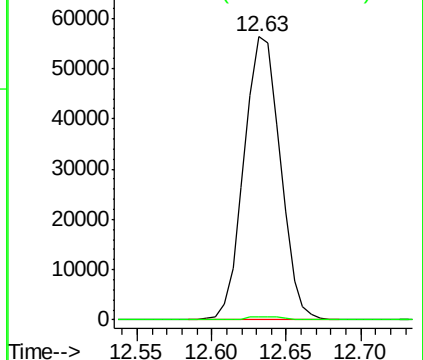
75 100

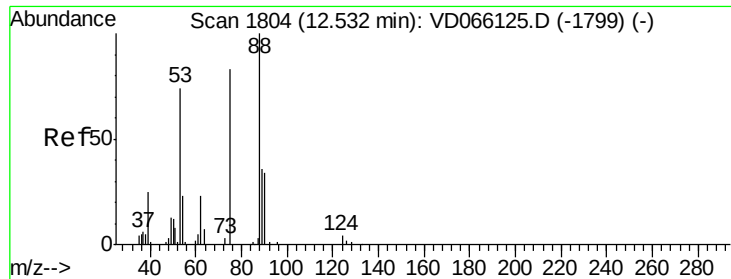
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

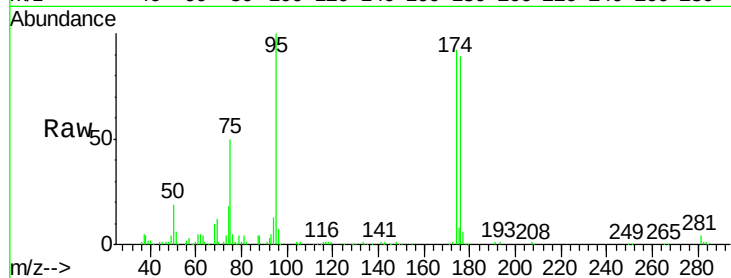




#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.889 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066192.D
 Acq: 11 Aug 2020 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-TP-3

Tgt Ion: 75 Resp: 94765
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.2#
 89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 88.90 (88.60 to 89.60): VDC

