

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066197.D
 Acq On : 11 Aug 2020 20:08
 Operator : VA/SY
 Sample : L3654-06
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-18

Quant Time: Aug 11 21:01:57 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	7.98	168	245988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	403681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	497554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	278410	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	109191	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
35) Dibromofluoromethane	7.91	113	125254	48.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.96%	
50) Toluene-d8	10.34	98	515283	54.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.20%	
62) 4-Bromofluorobenzene	12.64	95	239912	70.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	141.06%	

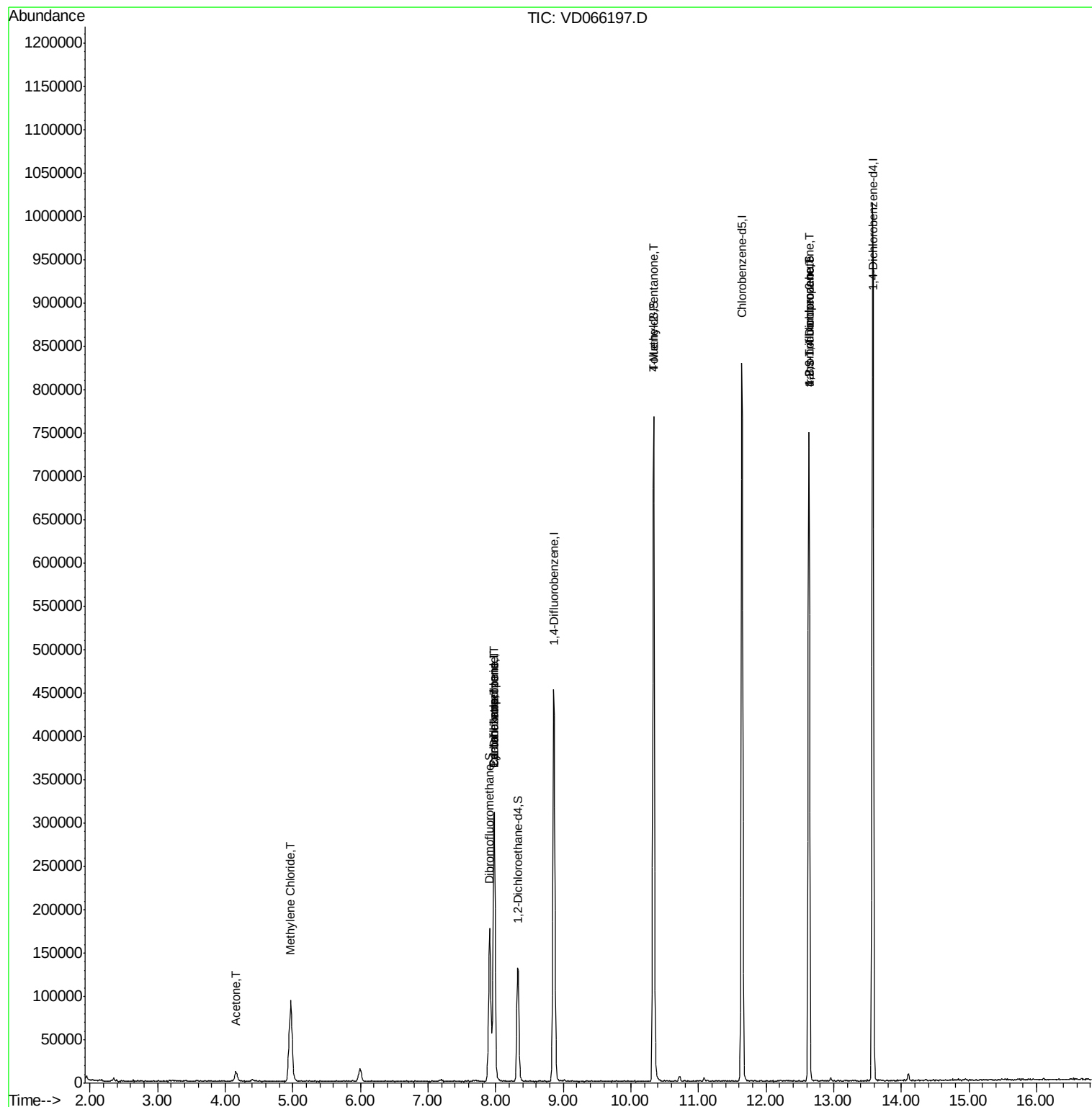
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	73	Below Cal	#	76
16) Acetone	4.16	43	21264	51.065	ug/l	95
20) Methylene Chloride	4.97	84	73761	28.873	ug/l	97
31) Cyclohexane	7.98	56	4633	1.205	ug/l #	11
36) 1,1-Dichloropropene	7.97	75	16437	4.333	ug/l #	49
38) Carbon Tetrachloride	7.98	117	23176	5.479	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	2176	1.431	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	117149	50.457	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	117149	111.539	ug/l #	13

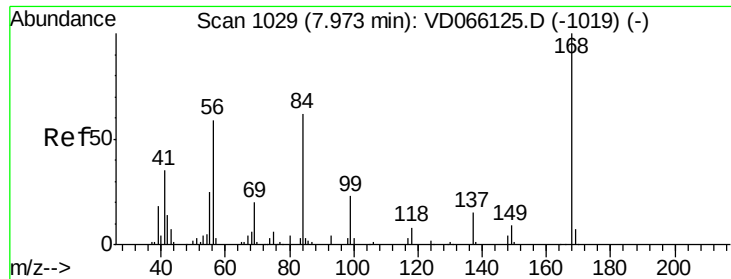
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
Data File : VD066197.D
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Quant Title : SW846 8260
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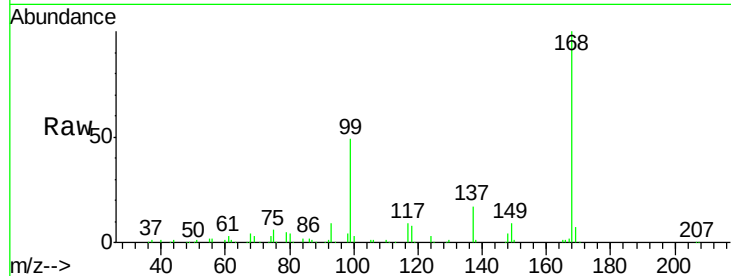




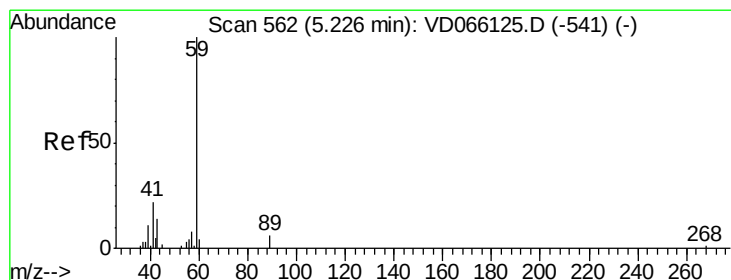
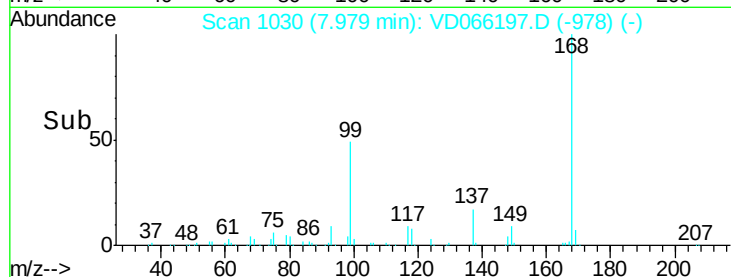
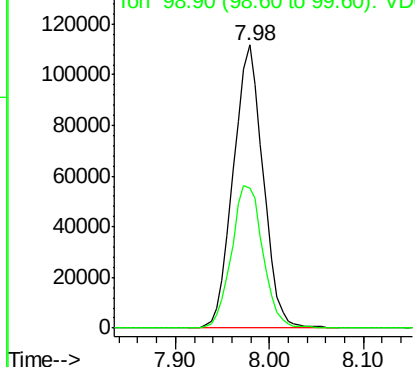
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VD066197.D
Acq: 11 Aug 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
CS-18

Tgt Ion:168 Resp: 245988
Ion Ratio Lower Upper
168 100
99 49.3 42.2 63.4

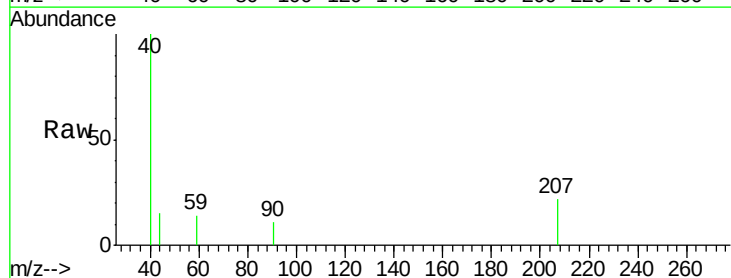


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

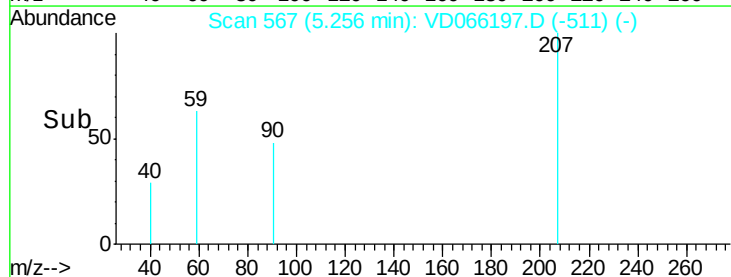
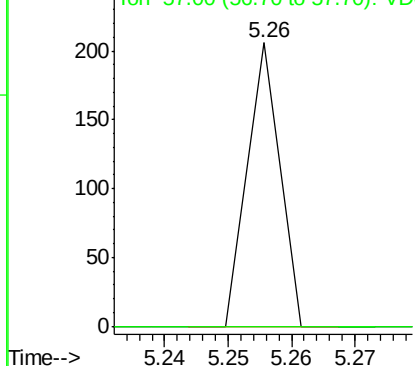


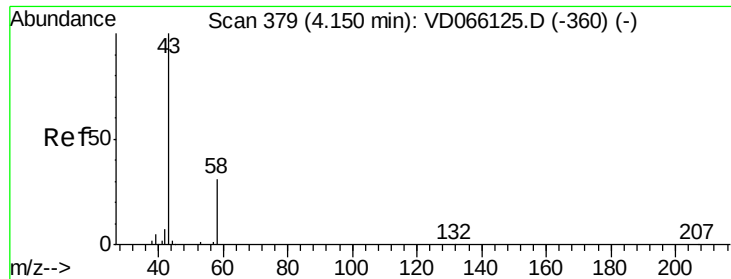
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 567
Delta R.T. 0.03 min
Lab File: VD066197.D
Acq: 11 Aug 2020 20:08

Tgt Ion: 59 Resp: 73
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: 51.065 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

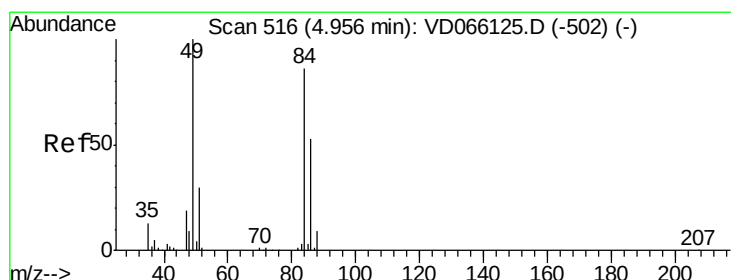
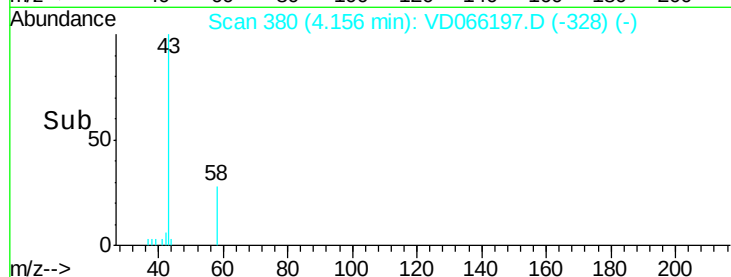
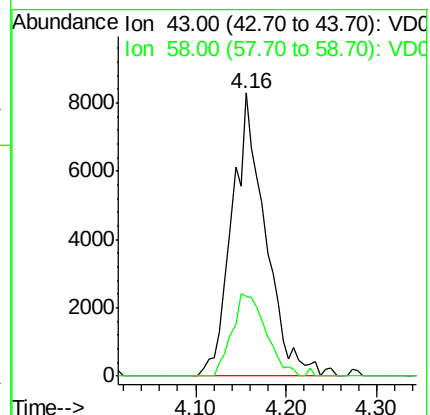
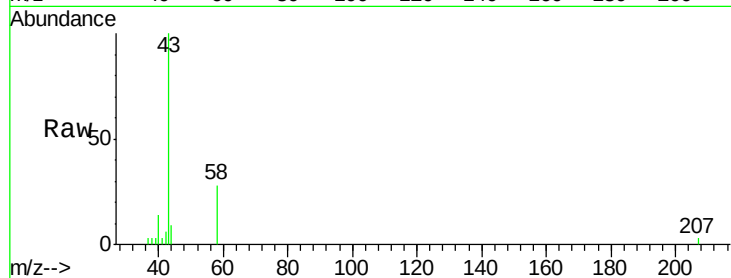
CS-18

Tgt Ion: 43 Resp: 21264

Ion Ratio Lower Upper

43 100

58 28.3 24.7 37.1



#20

Methylene Chloride

Concen: 28.873 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

Tgt Ion: 84 Resp: 73761

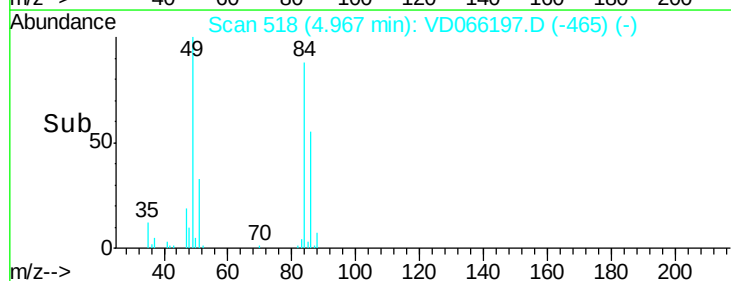
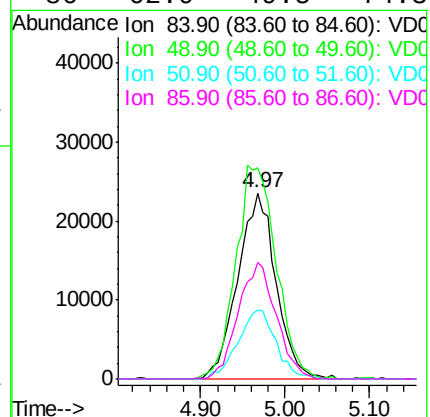
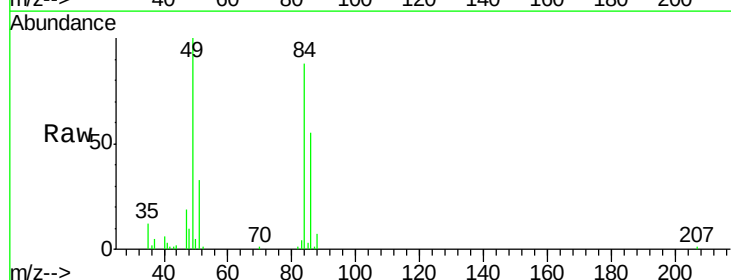
Ion Ratio Lower Upper

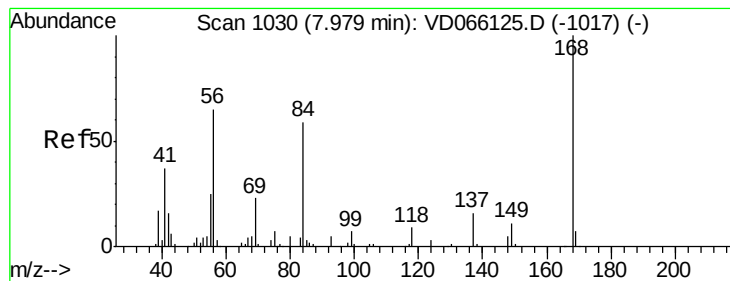
84 100

49 113.5 93.5 140.3

51 37.1 28.2 42.4

86 62.9 49.5 74.3





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

CS-18

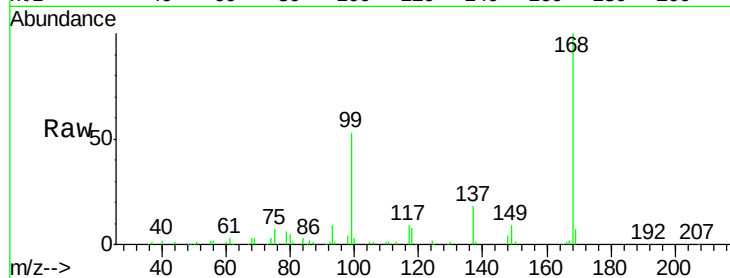
Tgt Ion: 56 Resp: 4633

Ion Ratio Lower Upper

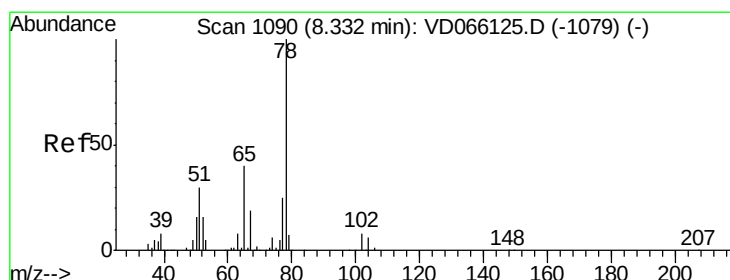
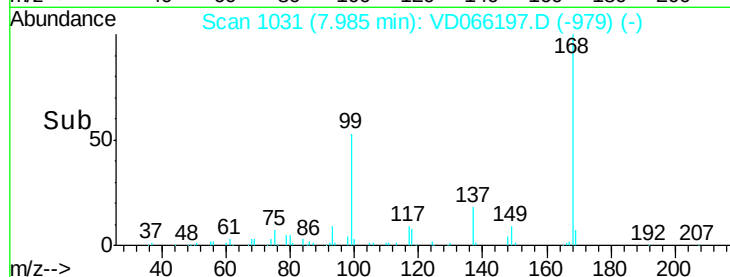
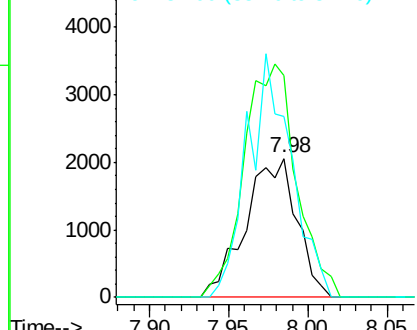
56 100

69 159.3 28.8 43.2#

84 130.4 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: 49.755 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066197.D

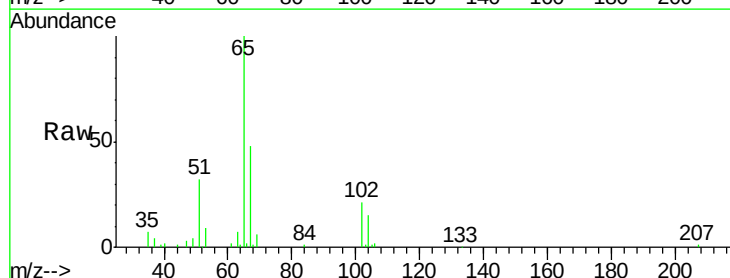
Acq: 11 Aug 2020 20:08

Tgt Ion: 65 Resp: 109191

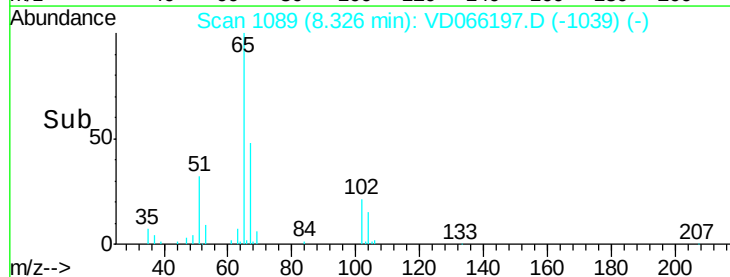
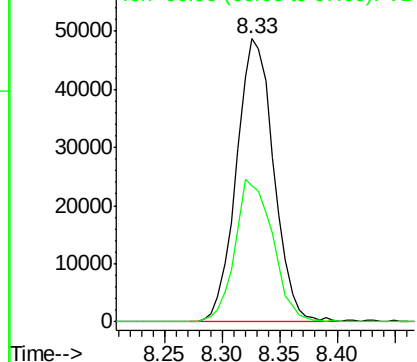
Ion Ratio Lower Upper

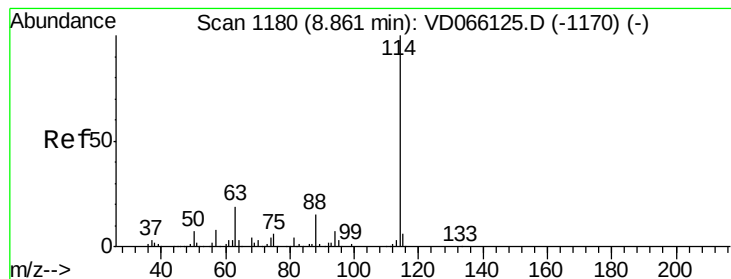
65 100

67 51.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampled :

CS-18

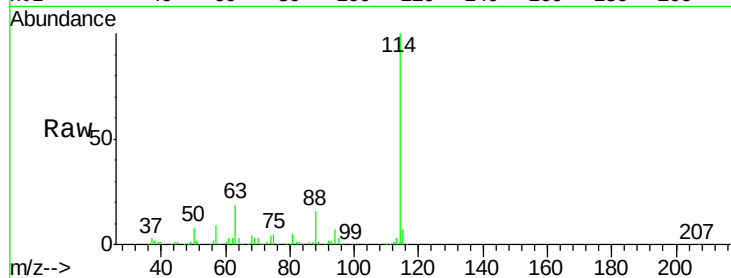
Tgt Ion:114 Resp: 403681

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

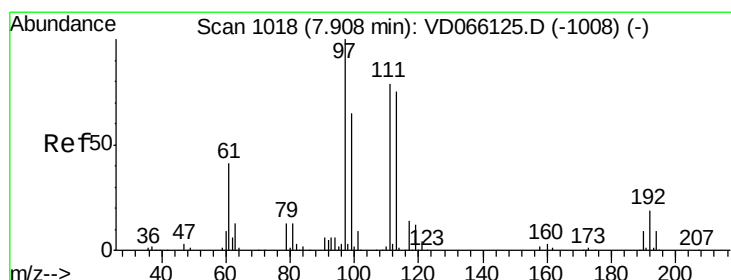
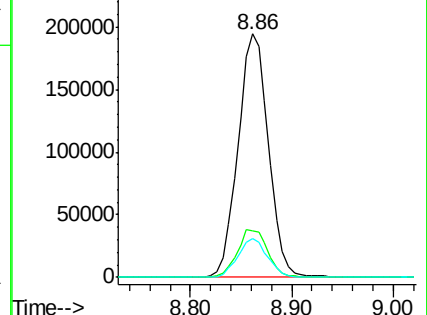
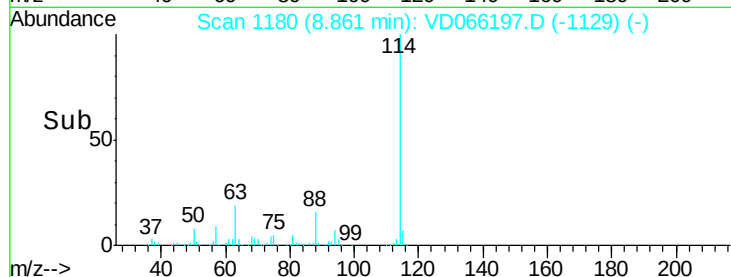
88 16.0 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 48.979 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

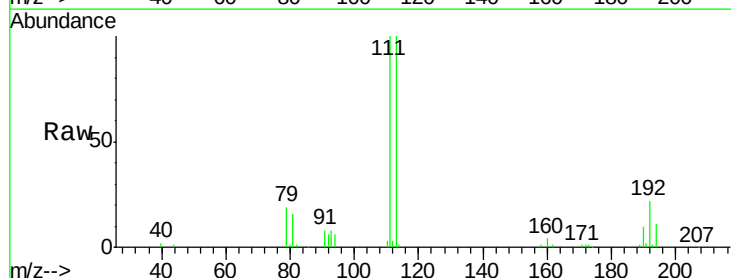
Tgt Ion:113 Resp: 125254

Ion Ratio Lower Upper

113 100

111 104.2 80.7 121.1

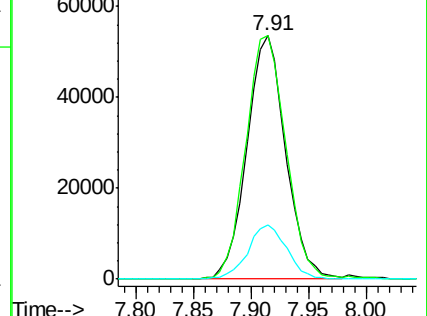
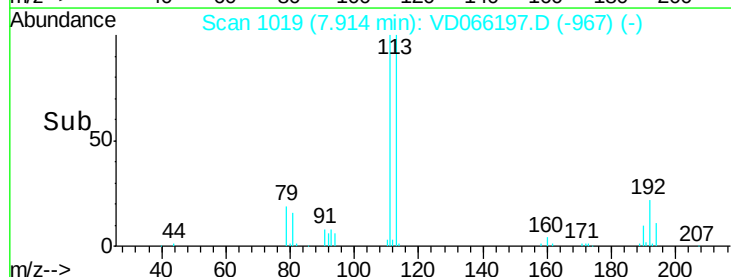
192 22.3 18.4 27.6

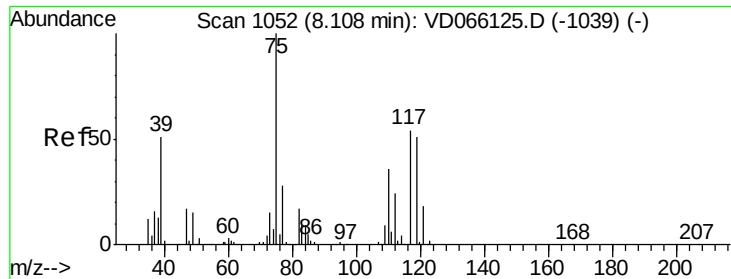


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.333 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

CS-18

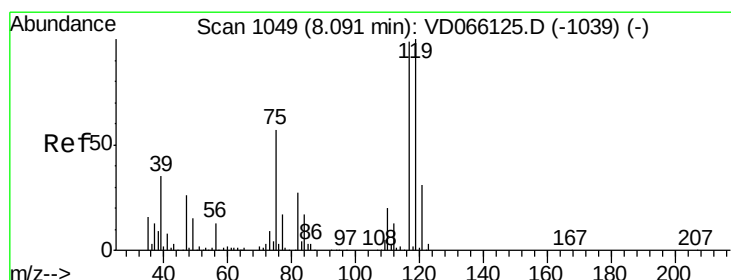
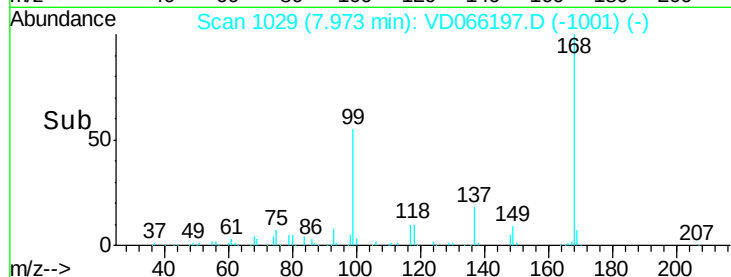
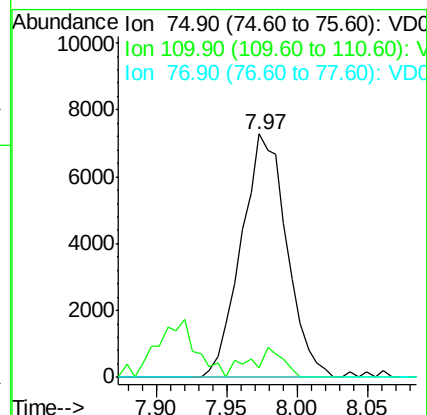
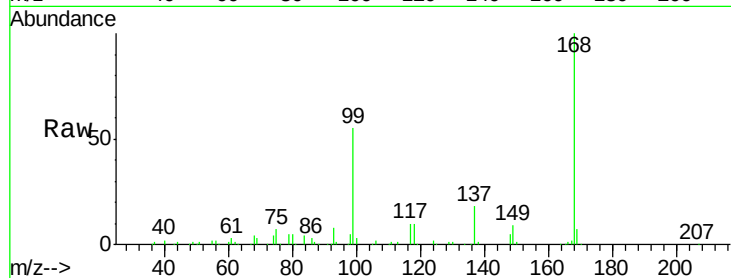
Tgt Ion: 75 Resp: 16437

Ion Ratio Lower Upper

75 100

110 8.8 18.8 56.3#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.479 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

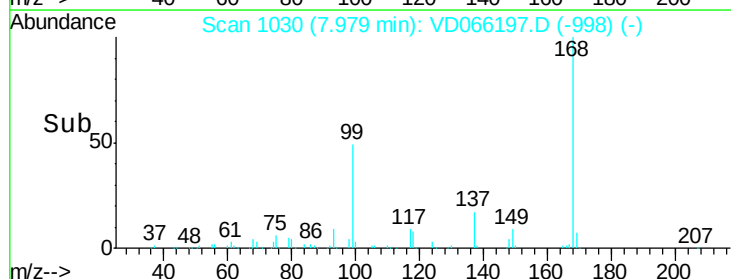
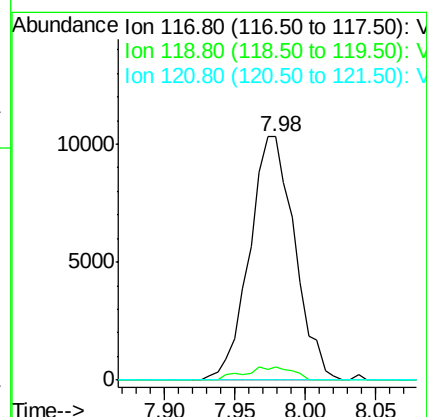
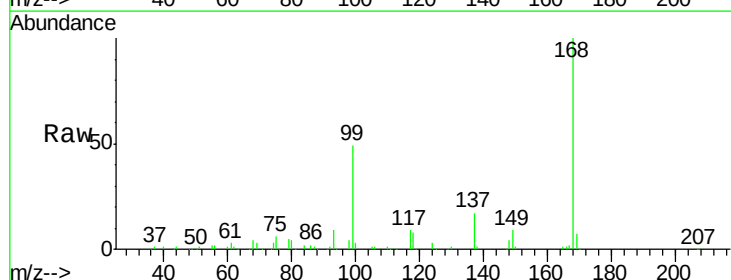
Tgt Ion: 117 Resp: 23176

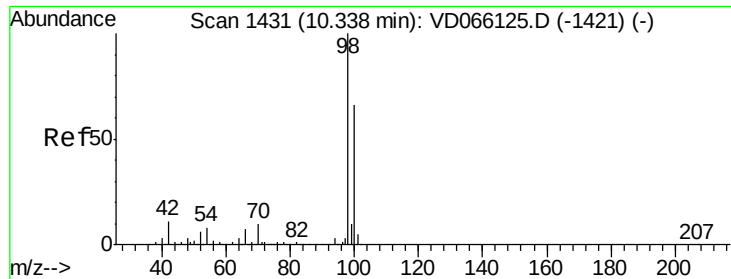
Ion Ratio Lower Upper

117 100

119 5.3 81.0 121.4#

121 0.0 24.8 37.2#

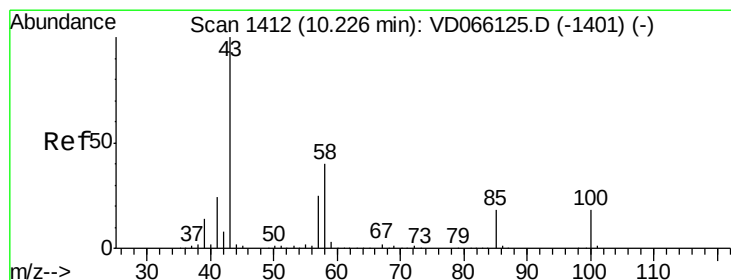
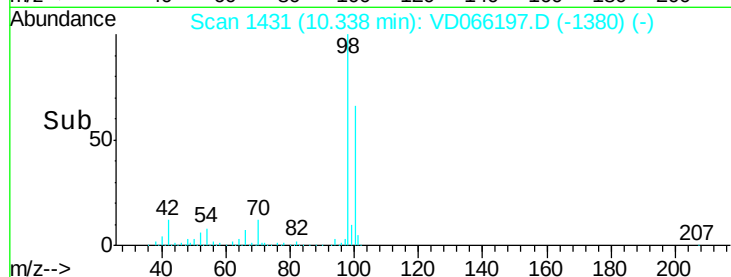
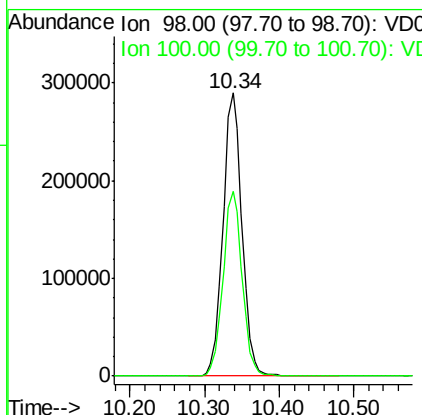
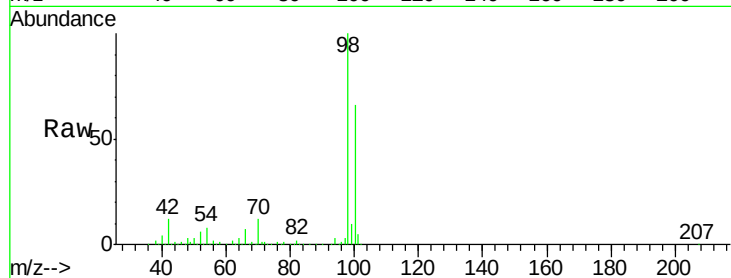




#50
Toluene-d8
Concen: 54.603 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066197.D
Acq: 11 Aug 2020 20:08

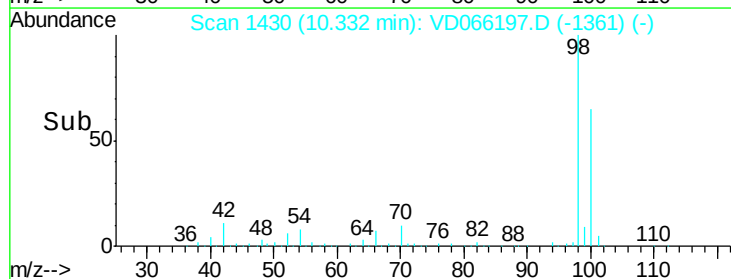
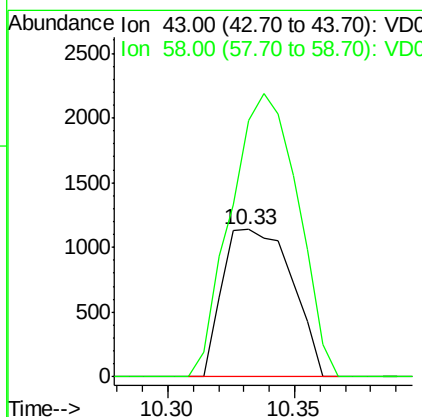
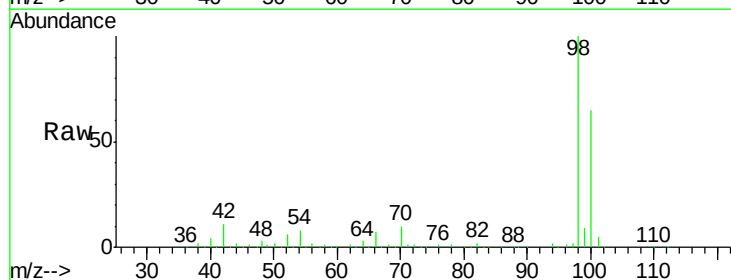
Instrument :
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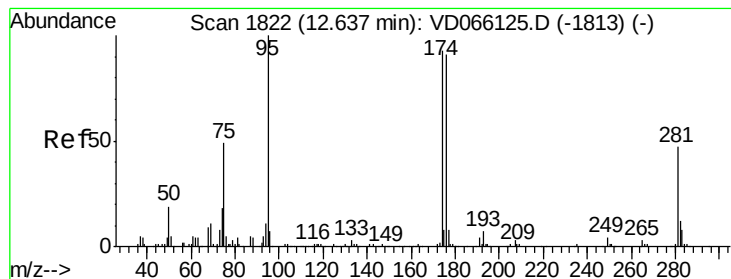
Tgt Ion: 98 Resp: 515283
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.431 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066197.D
Acq: 11 Aug 2020 20:08

Tgt Ion: 43 Resp: 2176
Ion Ratio Lower Upper
43 100
58 185.4 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 70.528 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

CS-18

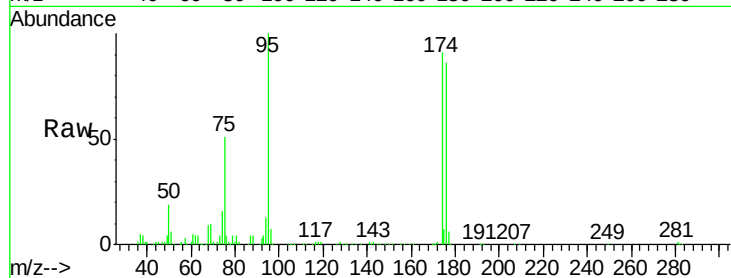
Tgt Ion: 95 Resp: 239912

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.8

176 86.1 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VD066125.D (-1813) (-)

Ion 173.80 (173.50 to 174.50): VD066125.D (-1813) (-)

Ion 175.80 (175.50 to 176.50): VD066125.D (-1813) (-)

12.64

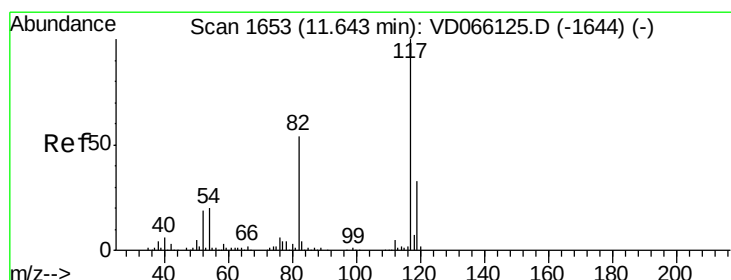
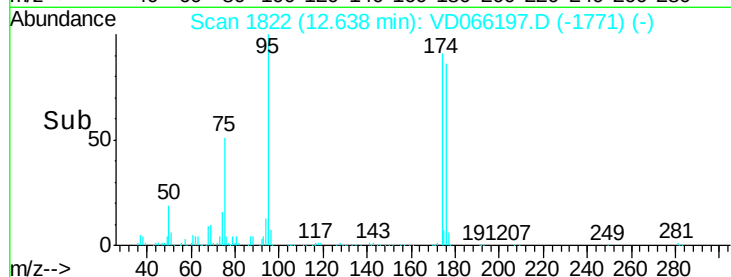
150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

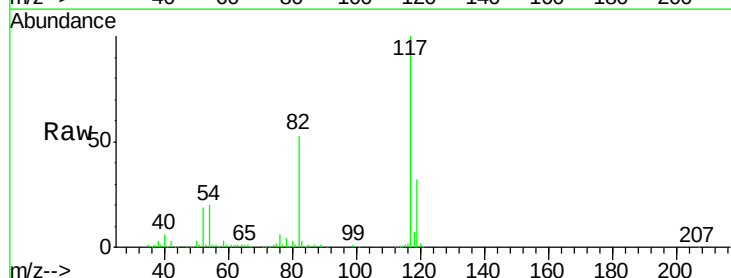
Tgt Ion: 117 Resp: 497554

Ion Ratio Lower Upper

117 100

82 52.8 43.0 64.4

119 31.5 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VD066125.D (-1644) (-)

Ion 82.00 (81.70 to 82.70): VD066125.D (-1644) (-)

Ion 118.90 (118.60 to 119.60): VD066125.D (-1644) (-)

11.64

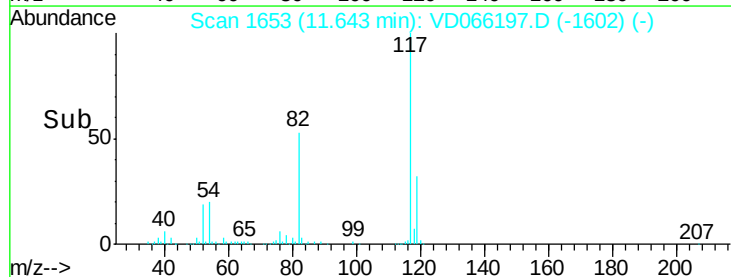
300000

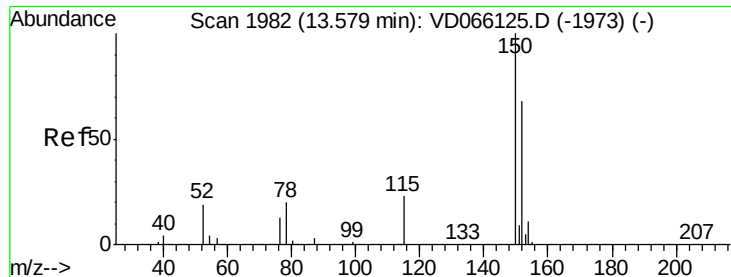
200000

100000

0

Time--> 11.60 11.70





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

CS-18

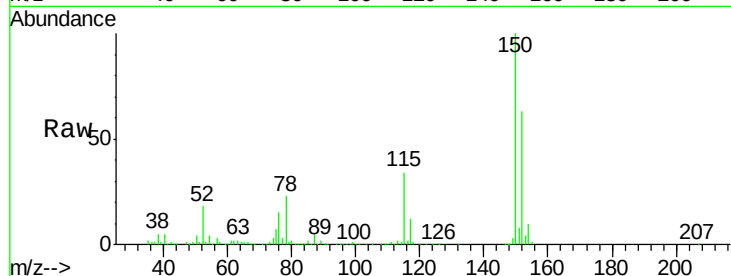
Tgt Ion:152 Resp: 278410

Ion Ratio Lower Upper

152 100

115 55.4 28.0 83.9

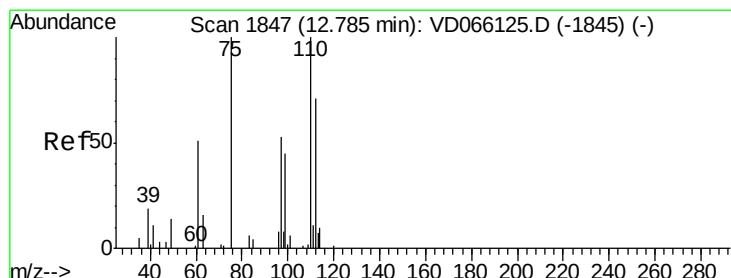
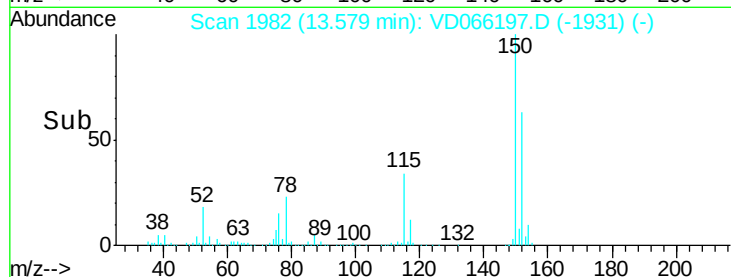
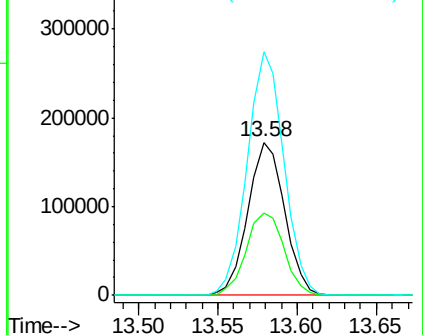
150 159.1 0.0 346.4



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: 50.457 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066197.D

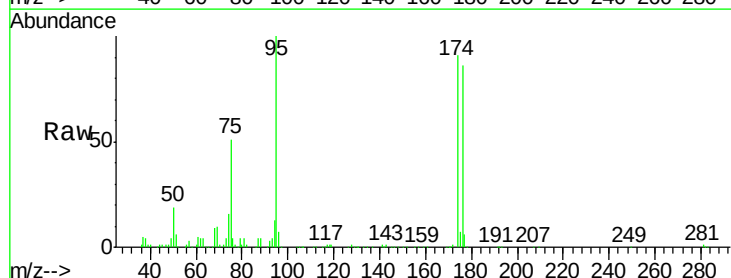
Acq: 11 Aug 2020 20:08

Tgt Ion: 75 Resp: 117149

Ion Ratio Lower Upper

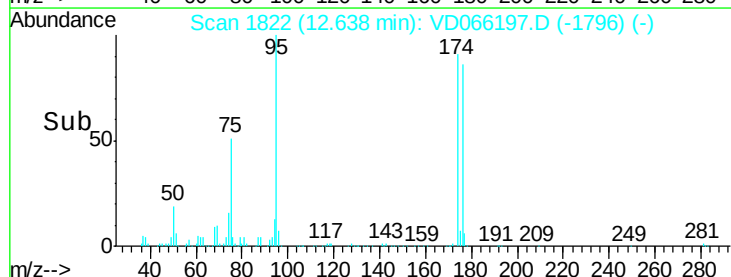
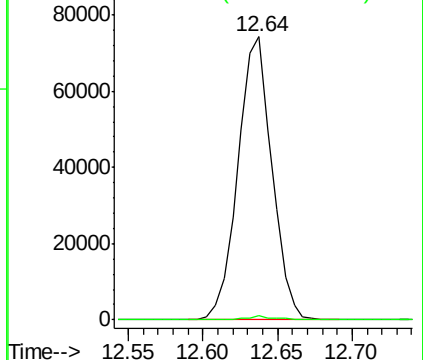
75 100

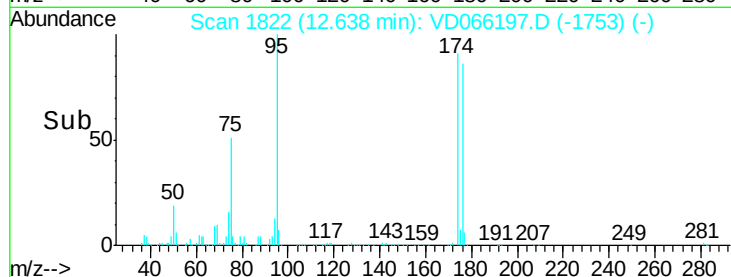
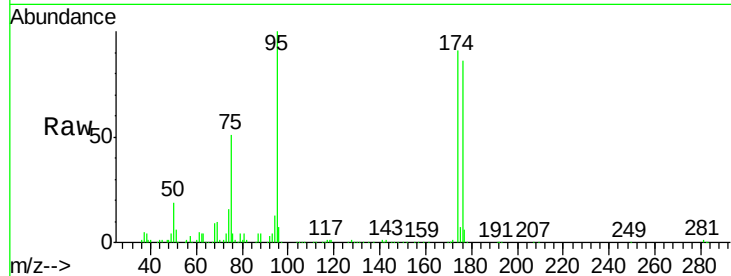
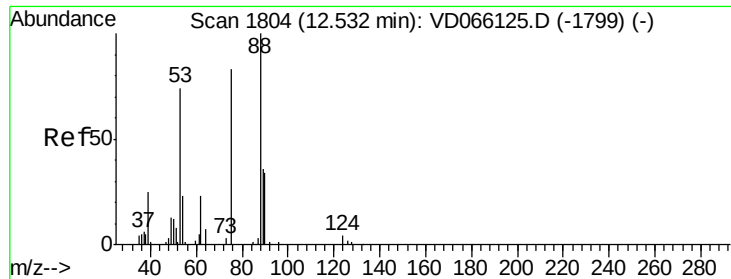
77 1.2 0.0 0.0#



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: 111.539 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066197.D

Acq: 11 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

CS-18

Tgt Ion: 75 Resp: 117149

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.1 36.6 55.0#

