

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066137.D
 Acq On : 06 Aug 2020 16:26
 Operator : VA/SY
 Sample : L3568-01
 Misc : 8.80G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 8/5-A-E

Quant Time: Aug 07 01:27:28 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

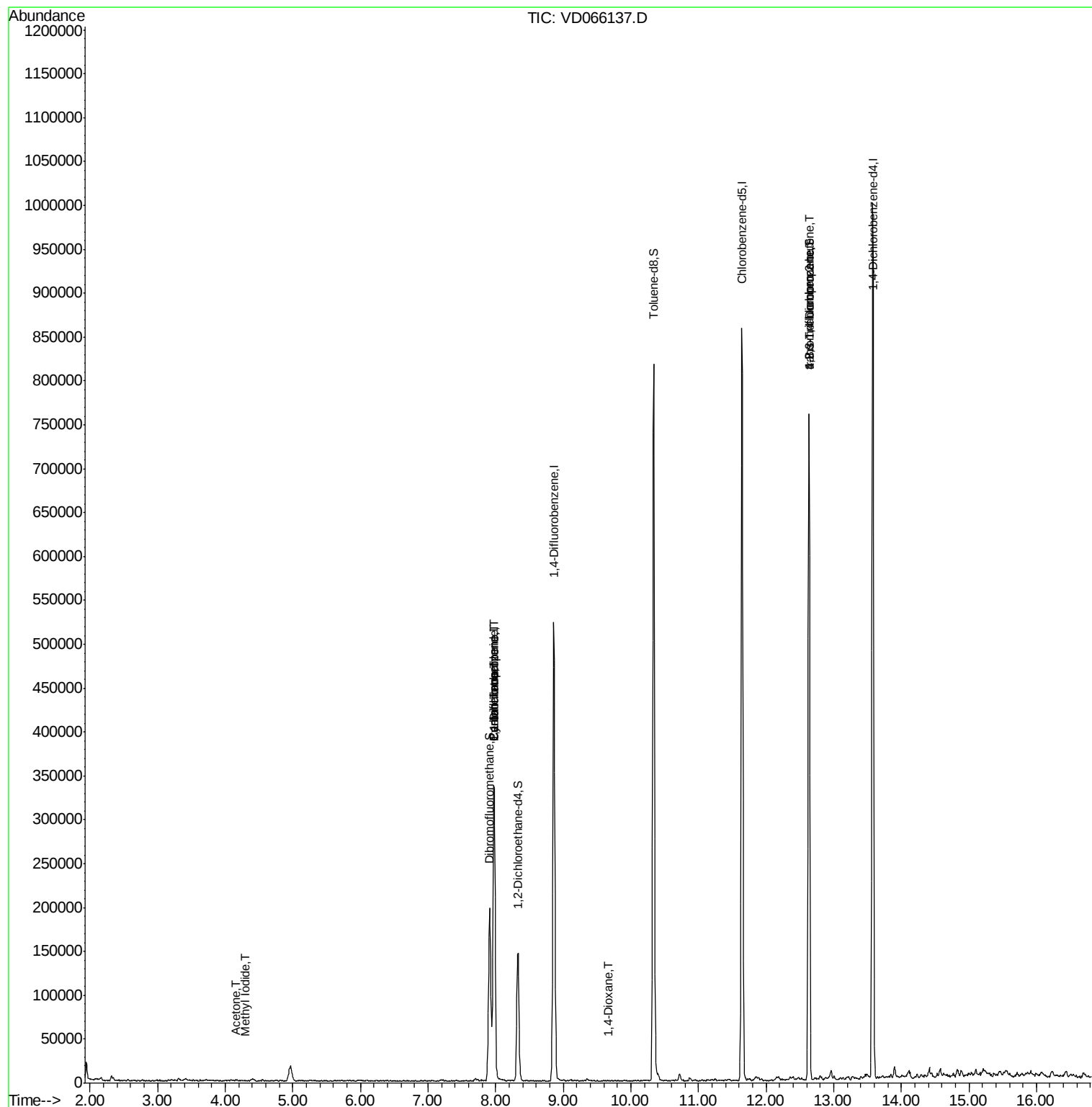
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	275711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	456487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	506769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279705	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	118668	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	7.91	113	142176	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	10.34	98	559140	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.64	95	246173	64.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.00%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.30	142	254	6.805	ug/l #	39
11) Tert butyl alcohol	5.23	59	55	Below Cal	#	76
16) Acetone	4.16	43	1161	2.488	ug/l #	55
31) Cyclohexane	7.98	56	5624	1.305	ug/l #	31
36) 1,1-Dichloropropene	7.97	75	18989	4.427	ug/l #	51
38) Carbon Tetrachloride	7.98	117	24965	5.219	ug/l #	14
49) 1,4-Dioxane	9.67	88	60	2.913	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	121390	52.042	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121390	115.042	ug/l #	13

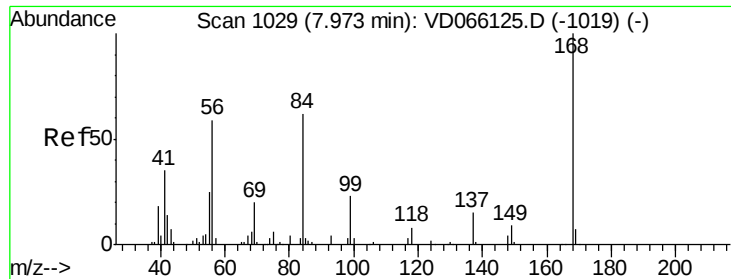
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066137.D

Acq: 06 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

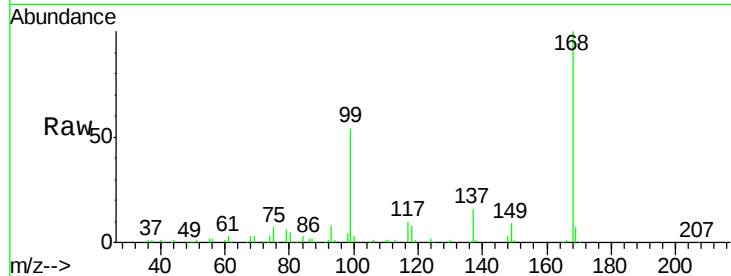
8/5-A-E

Tot Ion:168 Resp: 275711

Ion Ratio Lower Upper

168 100

99 53.9 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

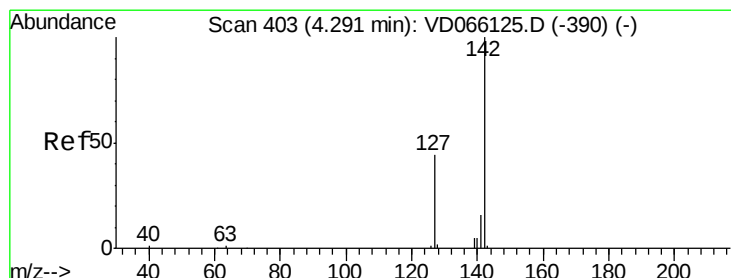
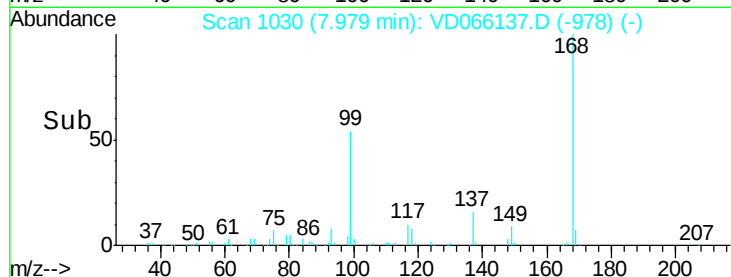
7.98

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 6.805 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066137.D

Acq: 06 Aug 2020 16:26

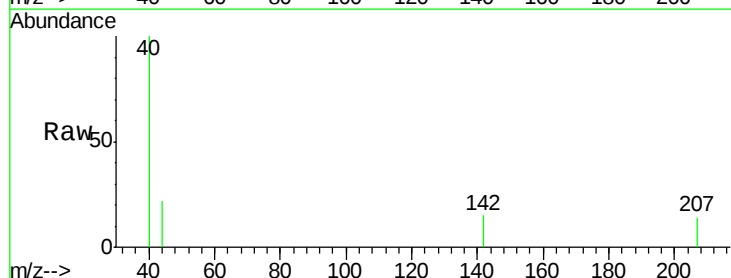
Tgt Ion:142 Resp: 254

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

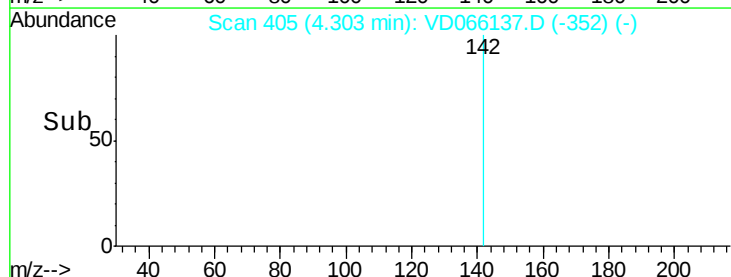
300

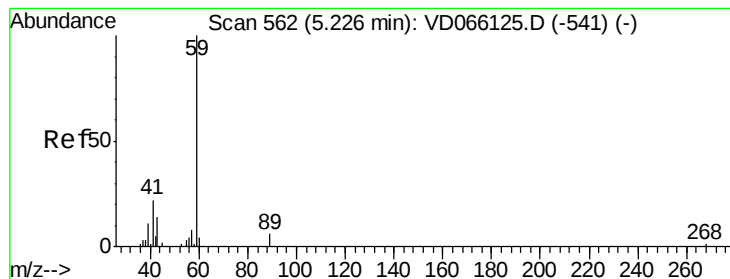
200

100

0

Time-->



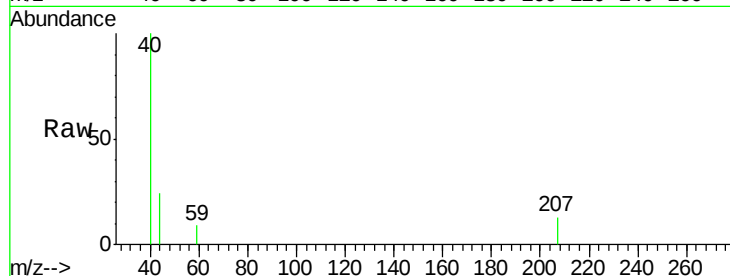


#11

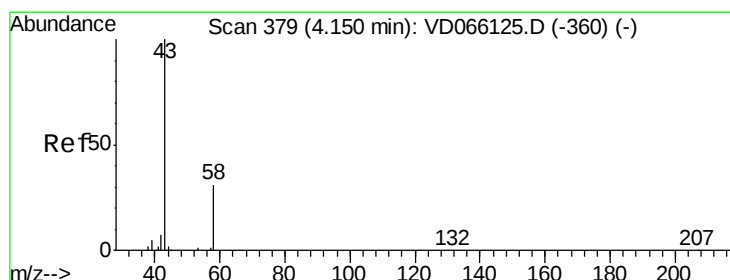
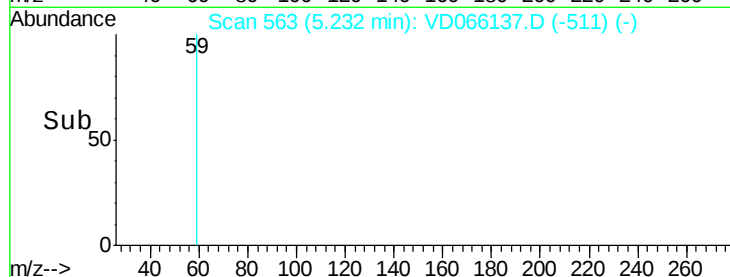
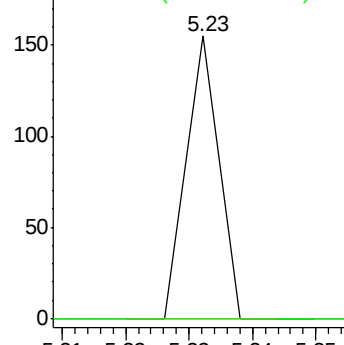
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD066137.D
 Acq: 06 Aug 2020 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 8/5-A-E

Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#



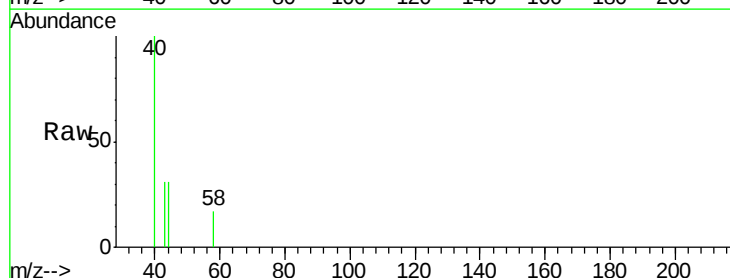
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



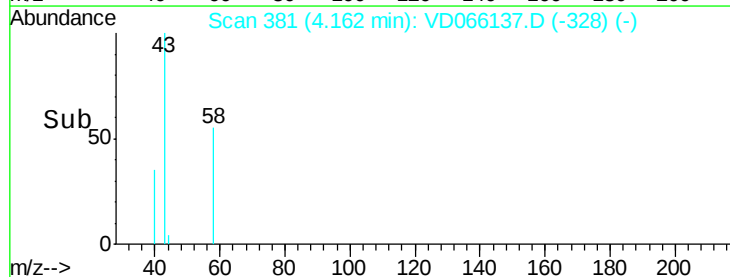
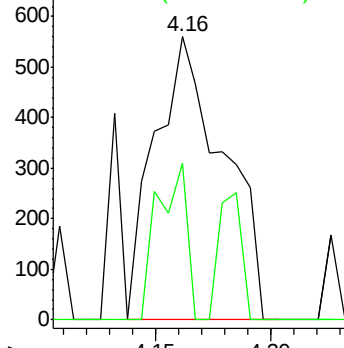
#16

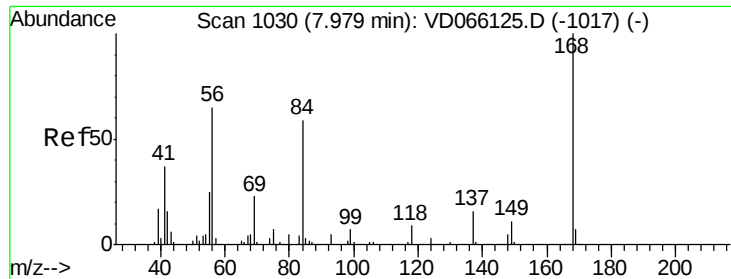
Acetone
 Concen: 2.488 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066137.D
 Acq: 06 Aug 2020 16:26

Tgt Ion: 43 Resp: 1161
 Ion Ratio Lower Upper
 43 100
 58 55.4 24.7 37.1#



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

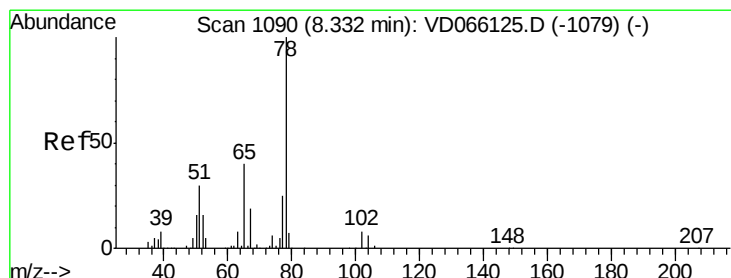
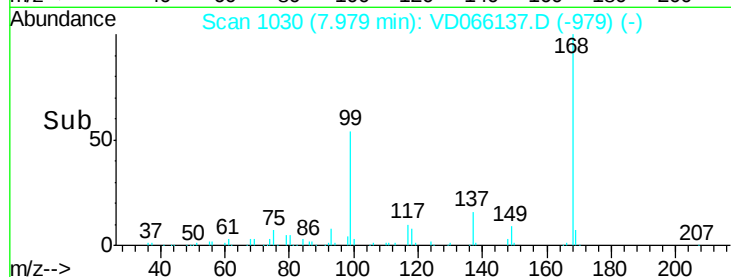
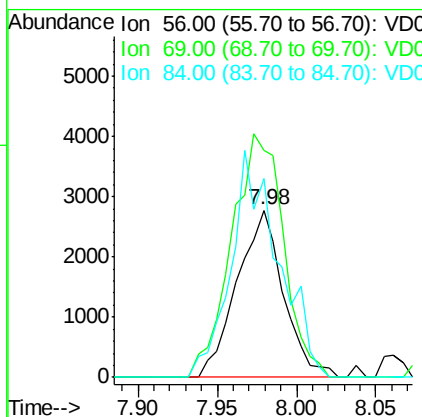
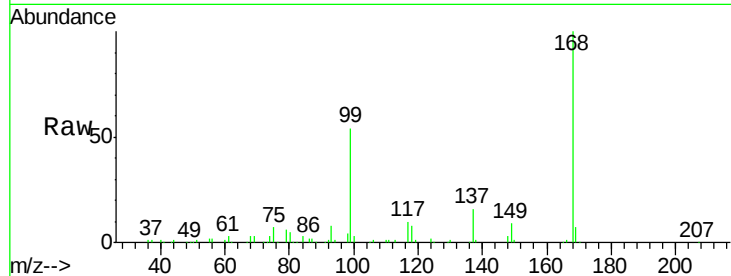




#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066137.D
Acq: 06 Aug 2020 16:26

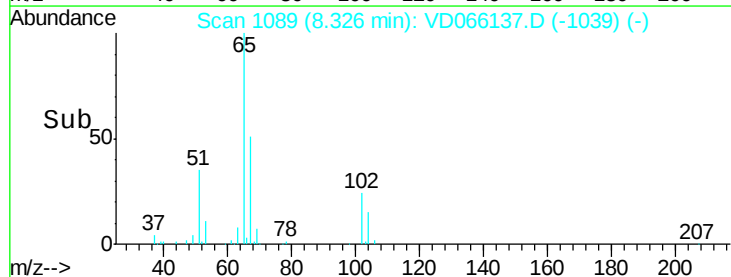
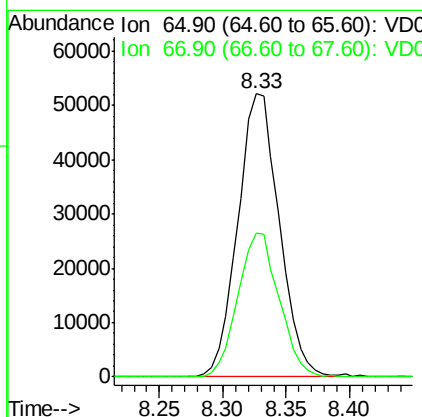
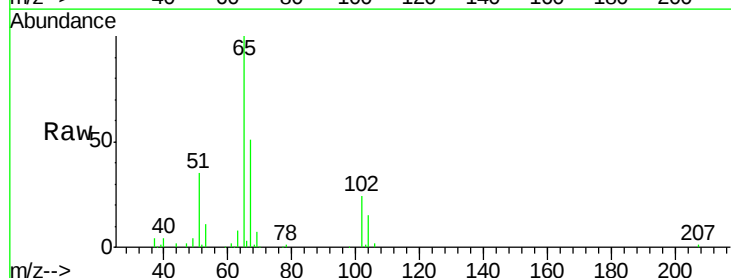
Instrument :
MSVOA_D
ClientSampleId :
8/5-A-E

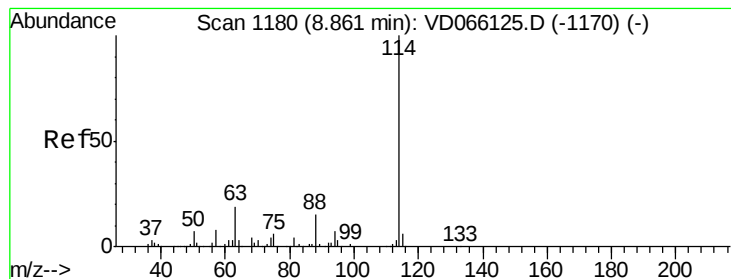
Tot Ion: 56 Resp: 5624
Ion Ratio Lower Upper
56 100
69 135.5 28.8 43.2#
84 119.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 48.244 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066137.D
Acq: 06 Aug 2020 16:26

Tgt Ion: 65 Resp: 118668
Ion Ratio Lower Upper
65 100
67 50.2 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: VD066137.D

Acq: 06 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

8/5-A-E

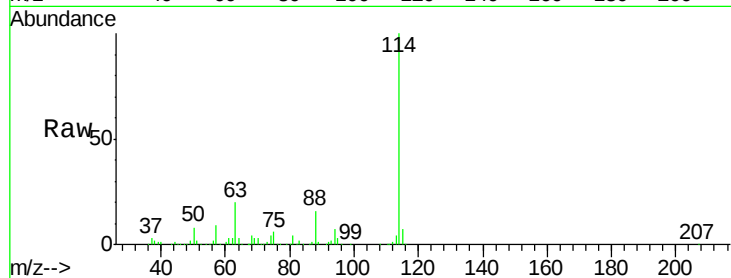
Tot Ion:114 Resp: 456487

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

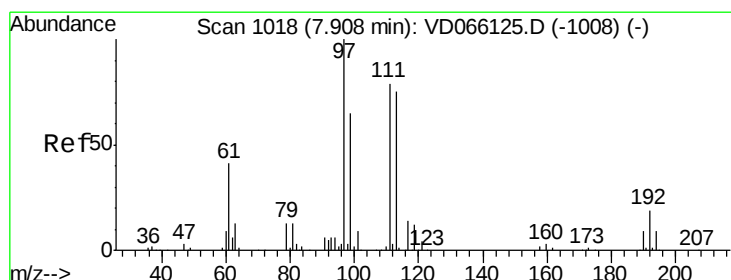
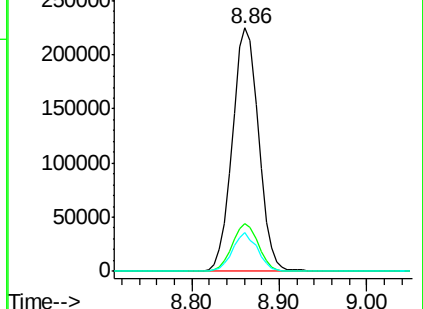
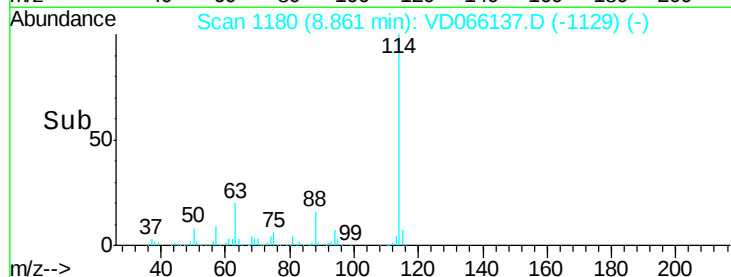
88 15.7 0.0 30.0



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: 49.165 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066137.D

Acq: 06 Aug 2020 16:26

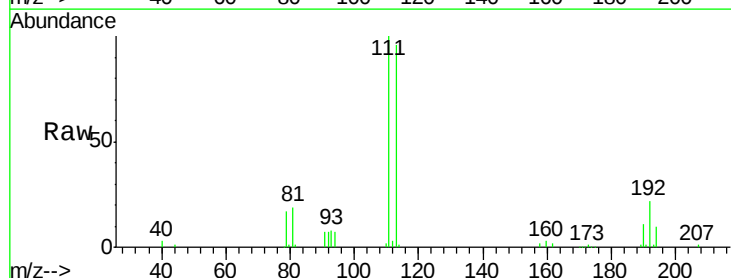
Tgt Ion:113 Resp: 142176

Ion Ratio Lower Upper

113 100

111 101.9 80.7 121.1

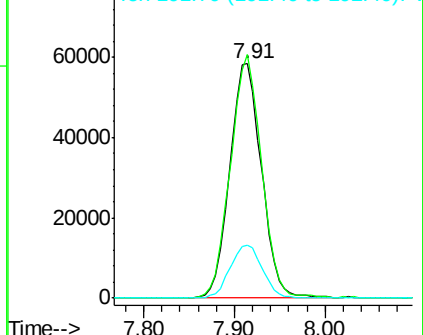
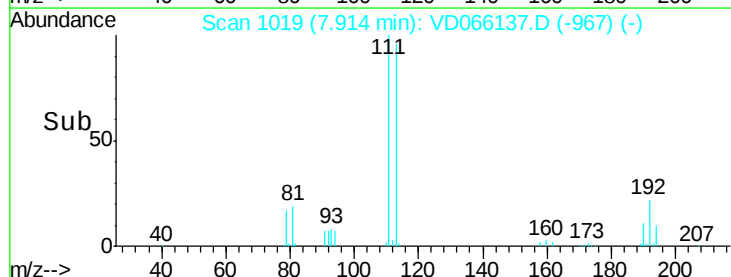
192 23.0 18.4 27.6

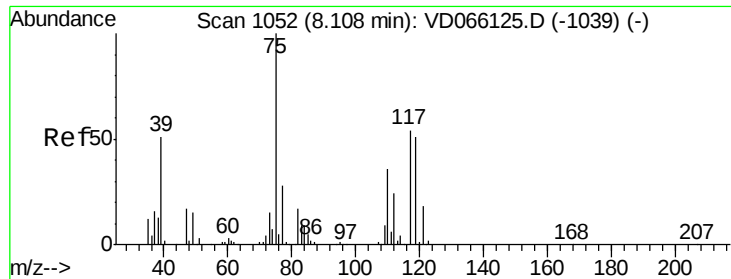


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.427 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066137.D

Acq: 06 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

8/5-A-E

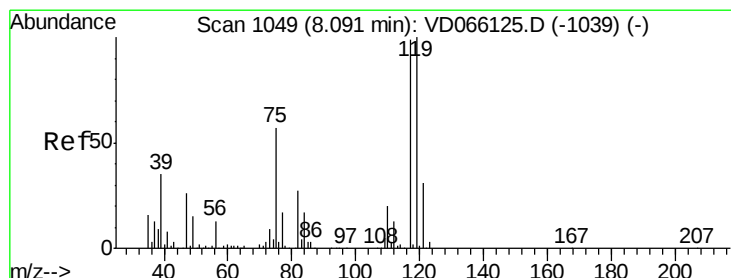
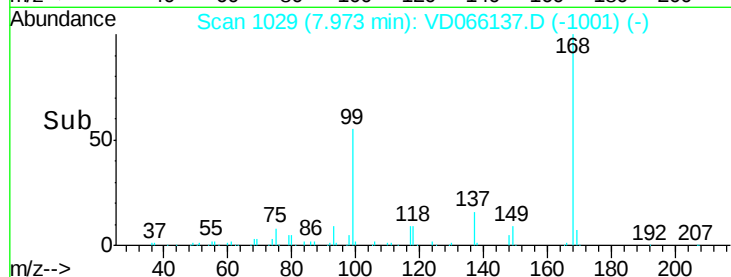
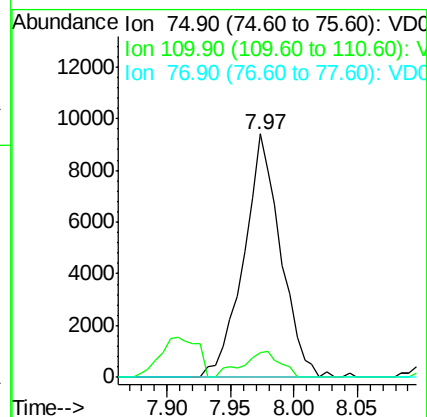
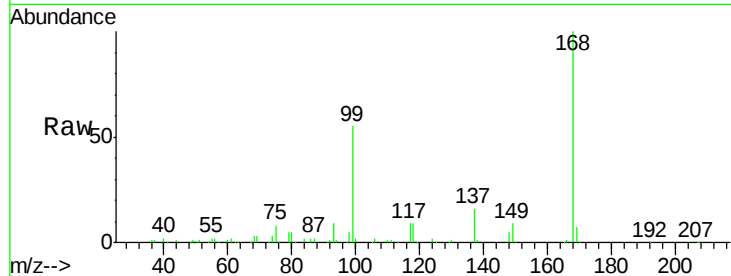
Tot Ion: 75 Resp: 18989

Ion Ratio Lower Upper

75 100

110 10.9 18.8 56.3#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.219 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066137.D

Acq: 06 Aug 2020 16:26

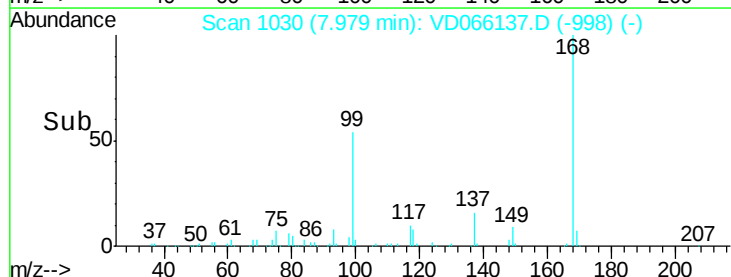
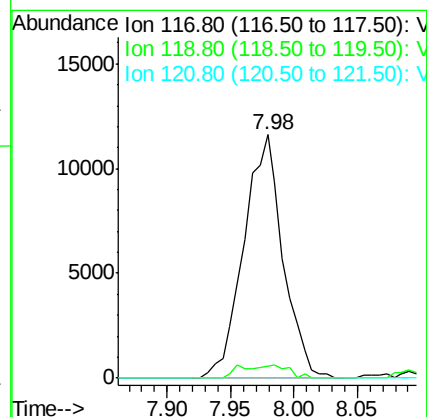
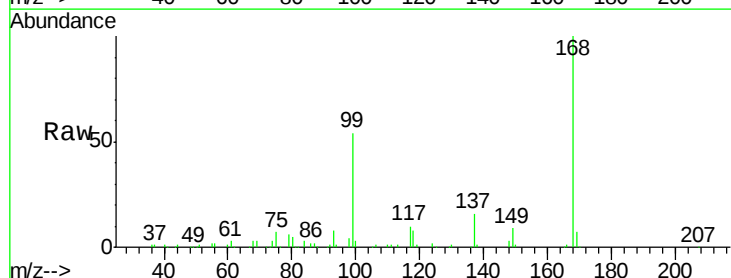
Tgt Ion: 117 Resp: 24965

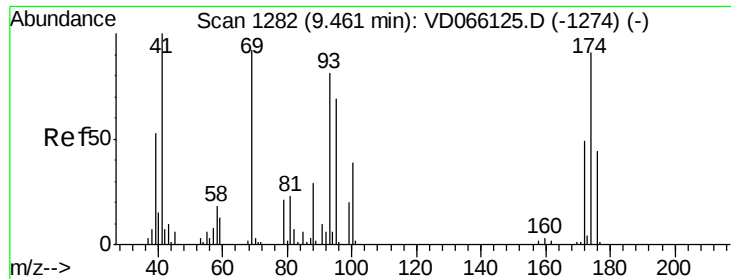
Ion Ratio Lower Upper

117 100

119 5.1 81.0 121.4#

121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 2.913 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.21 min

Lab File: VD066137.D

Acq: 06 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

8/5-A-E

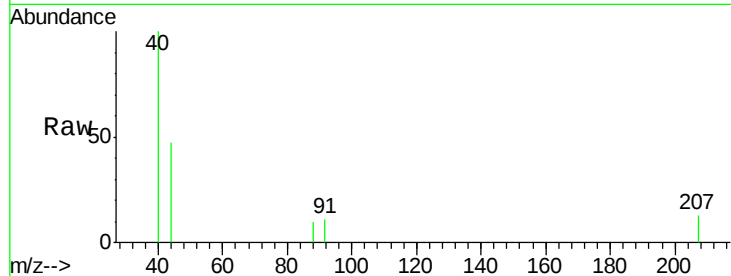
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 27.5 41.3#

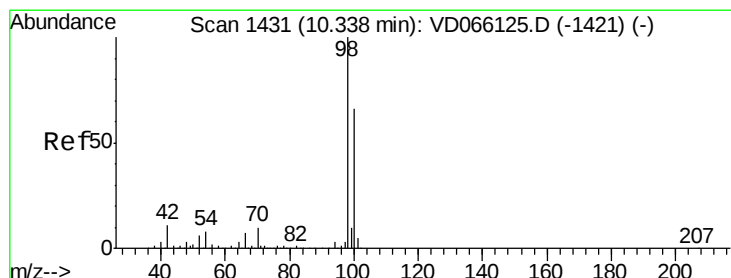
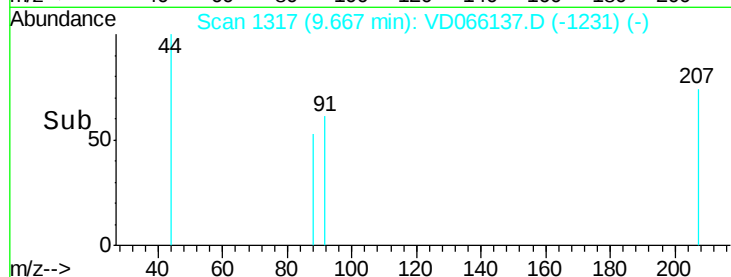
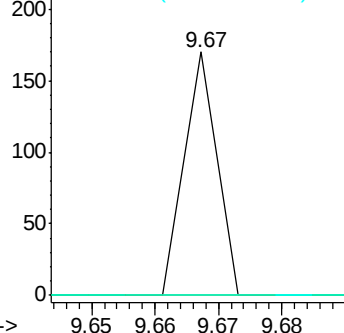
58 0.0 50.2 75.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 52.396 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066137.D

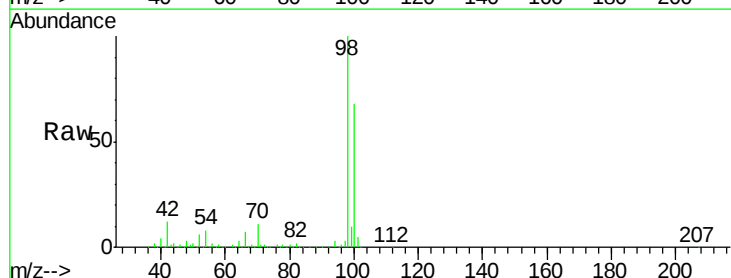
Acq: 06 Aug 2020 16:26

Tgt Ion: 98 Resp: 559140

Ion Ratio Lower Upper

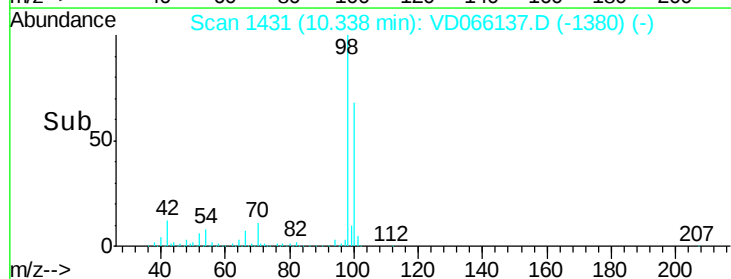
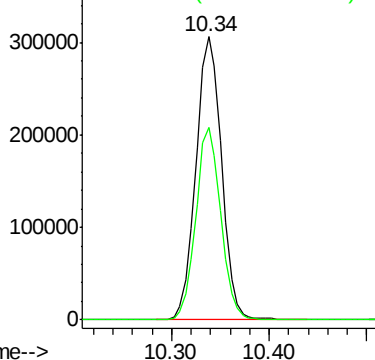
98 100

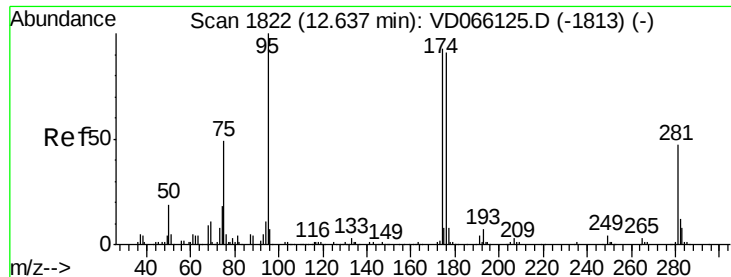
100 66.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

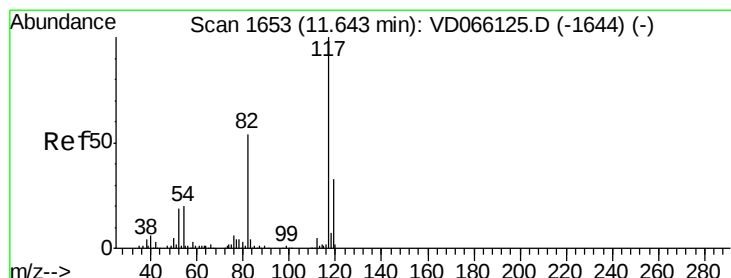
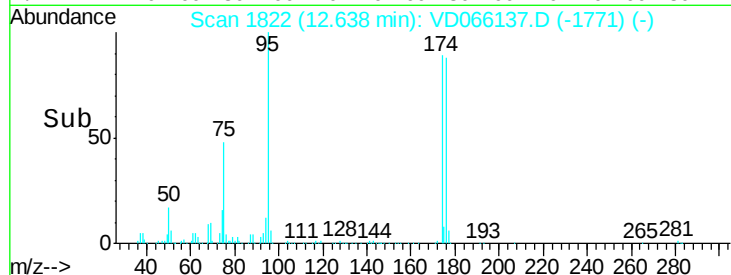
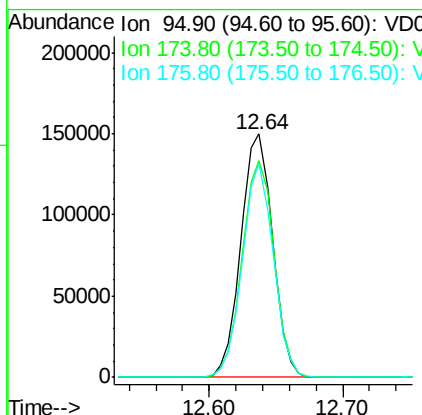
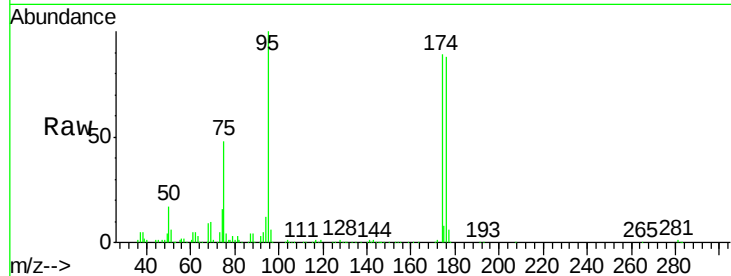




#62
4-Bromofluorobenzene
Concen: 63.997 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066137.D
Acq: 06 Aug 2020 16:26

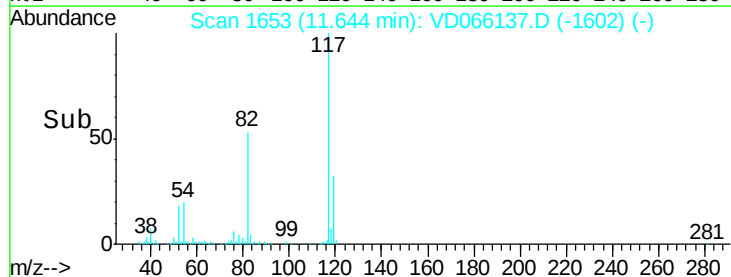
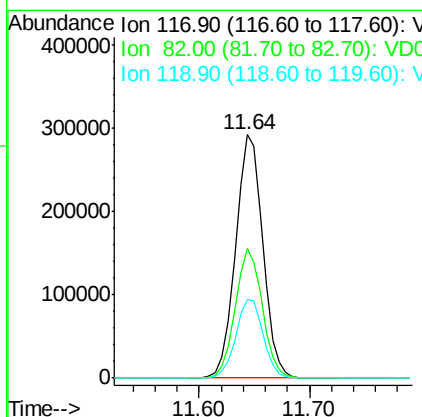
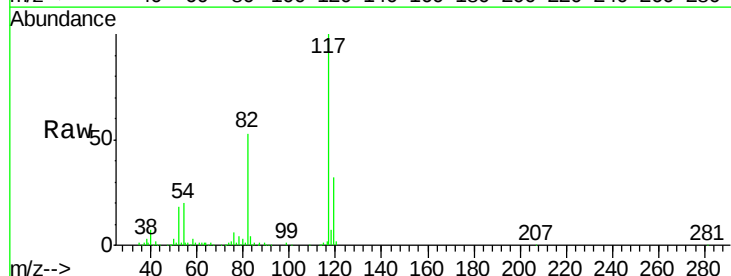
Instrument :
MSVOA_D
ClientSampleId :
8/5-A-E

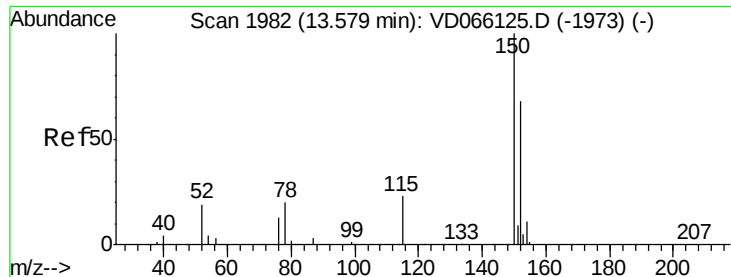
Tot Ion: 95 Resp: 246173
Ion Ratio Lower Upper
95 100
174 89.7 0.0 180.8
176 85.9 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066137.D
Acq: 06 Aug 2020 16:26

Tgt Ion: 117 Resp: 506769
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066137.D

Acq: 06 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

8/5-A-E

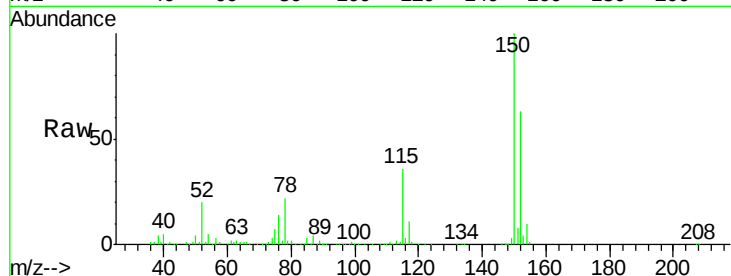
Tot Ion:152 Resp: 279705

Ion Ratio Lower Upper

152 100

115 56.2 28.0 83.9

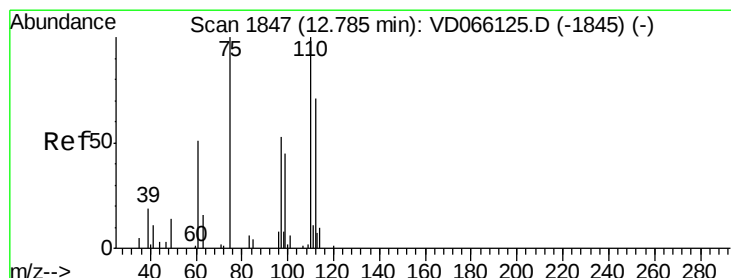
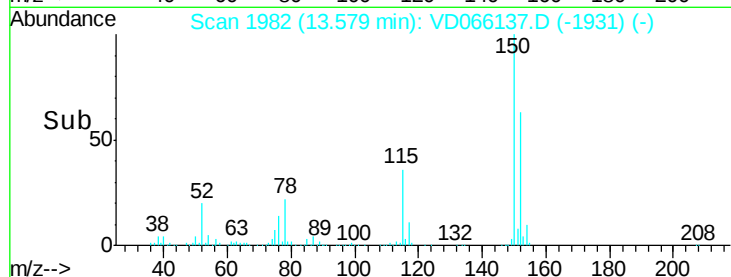
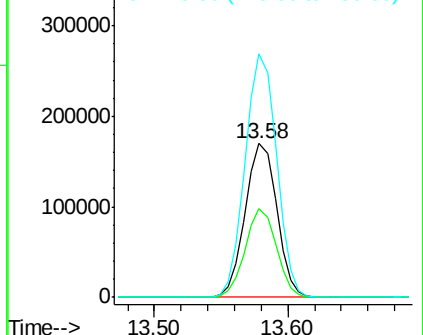
150 157.0 0.0 346.4



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: 52.042 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066137.D

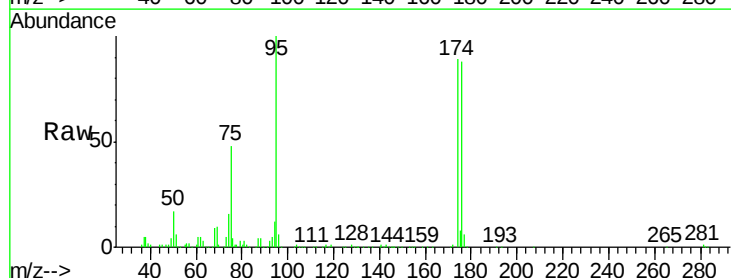
Acq: 06 Aug 2020 16:26

Tgt Ion: 75 Resp: 121390

Ion Ratio Lower Upper

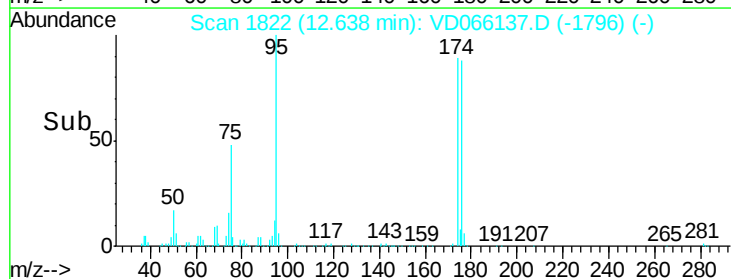
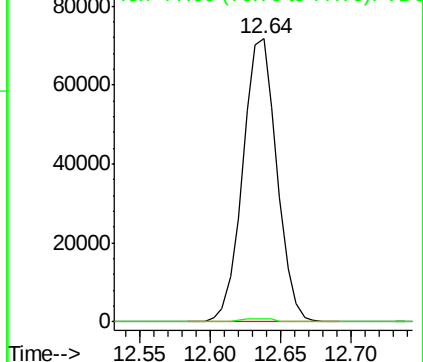
75 100

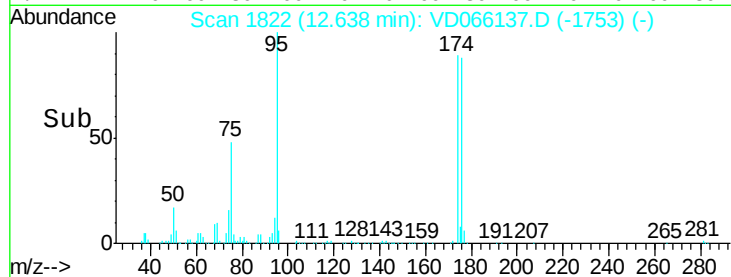
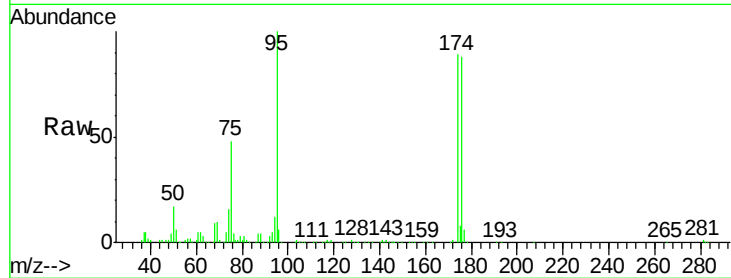
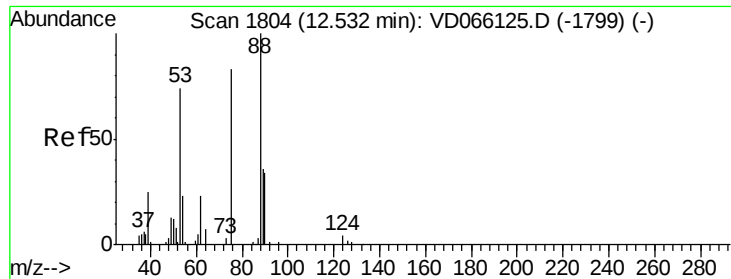
77 1.2 0.0 0.0#



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: 115.042 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066137.D

Acq: 06 Aug 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

8/5-A-E

Tot Ion: 75 Resp: 121390

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.0 36.6 55.0#

