

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066338.D
 Acq On : 20 Aug 2020 02:19
 Operator : VA/SY
 Sample : L3689-01RE
 Misc : 7.55G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-4-8FT

Quant Time: Aug 20 07:23:03 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	178148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	276944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	251349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	98077	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	86747	54.58	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	109.16%	
35) Dibromofluoromethane	7.91	113	85883	48.95	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	97.90%	
50) Toluene-d8	10.34	98	300686	46.44	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	92.88%	
62) 4-Bromofluorobenzene	12.63	95	96232	41.24	ug/l	0.00
Spiked Amount				50.000		
Recovery				=	82.48%	

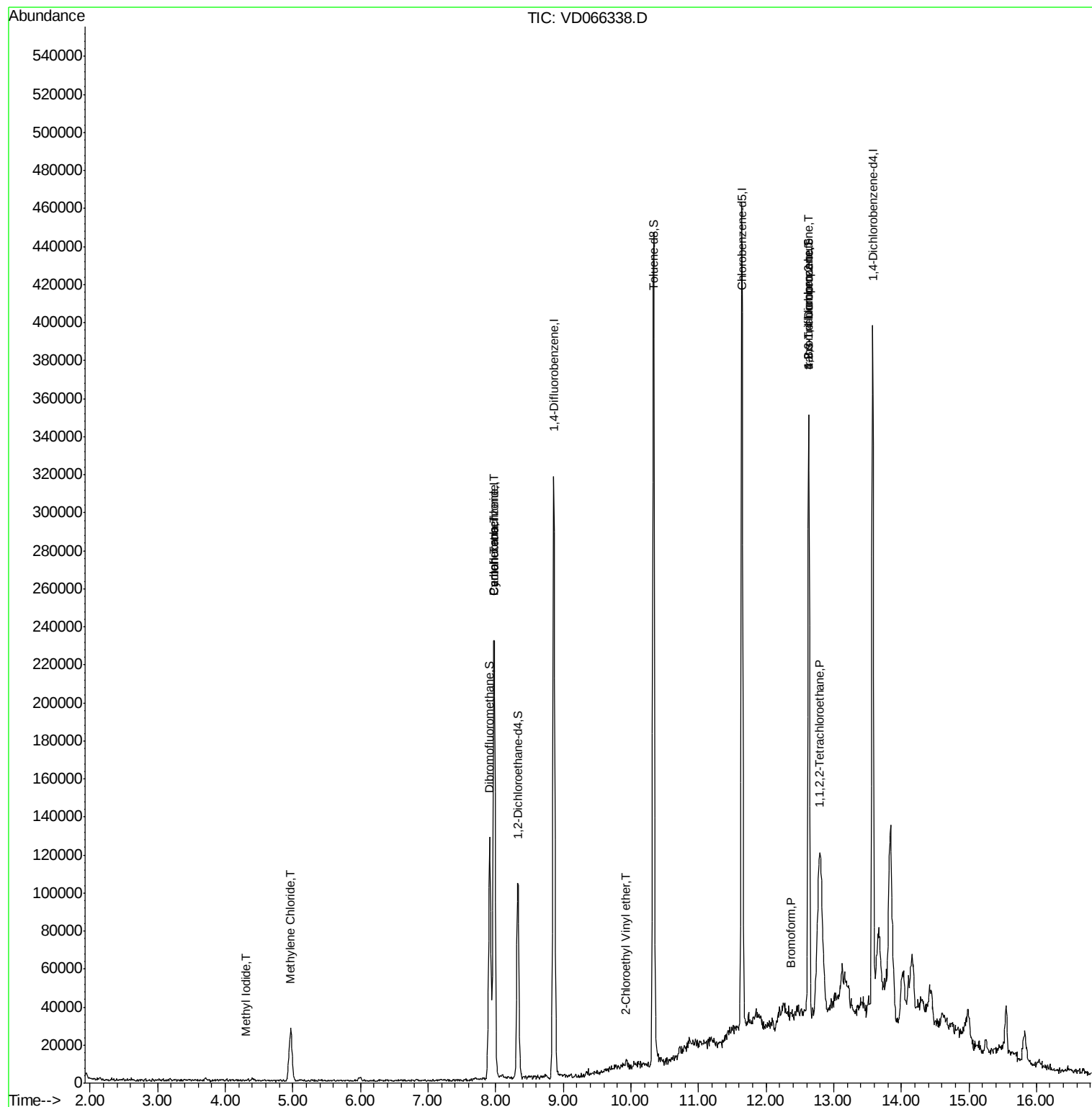
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	211	6.831	ug/l #	39
11) Tert butyl alcohol	4.98	59	61	Below Cal	#	76
20) Methylene Chloride	4.97	84	21815	8.748	ug/l	95
31) Cyclohexane	7.97	56	4266	1.532	ug/l #	48
38) Carbon Tetrachloride	7.97	117	16881	5.817	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.93	63	1034	1.366	ug/l #	76
71) Bromoform	12.36	173	1529	1.293	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.79	83	11452	10.258	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	50981	62.332	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	50981	137.789	ug/l #	13

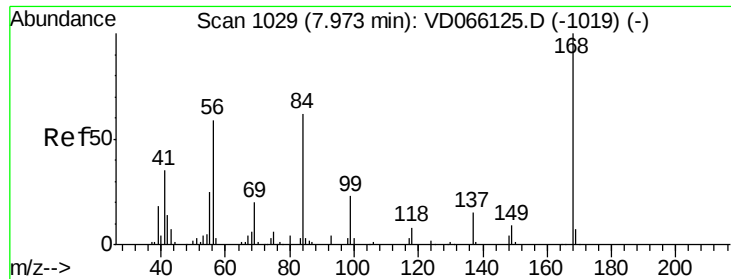
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD066338.D

Acq: 20 Aug 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

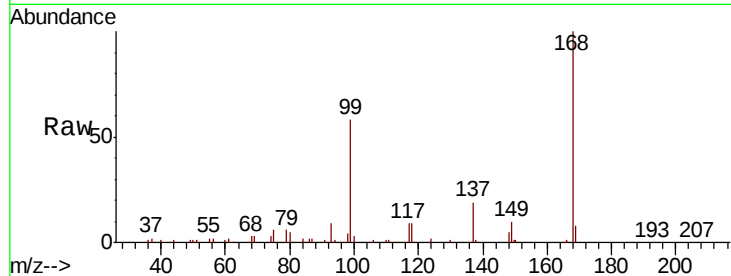
TP-1-4-8FT

Tot Ion:168 Resp: 178148

Ion Ratio Lower Upper

168 100

99 58.1 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

80000

60000

40000

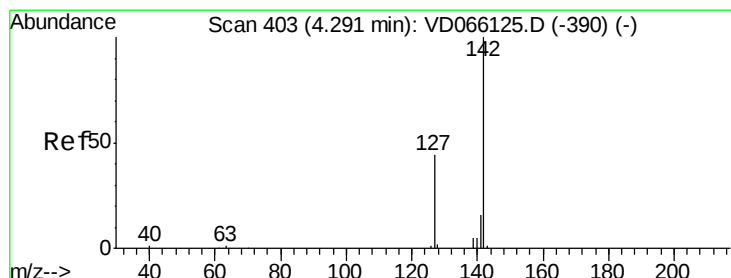
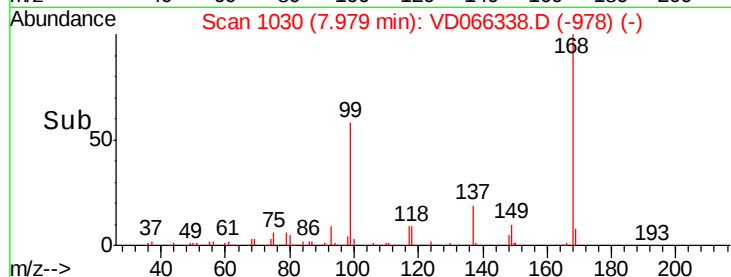
20000

0

7.90

8.00

Time-->



#10

Methyl Iodide

Concen: 6.831 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066338.D

Acq: 20 Aug 2020 02:19

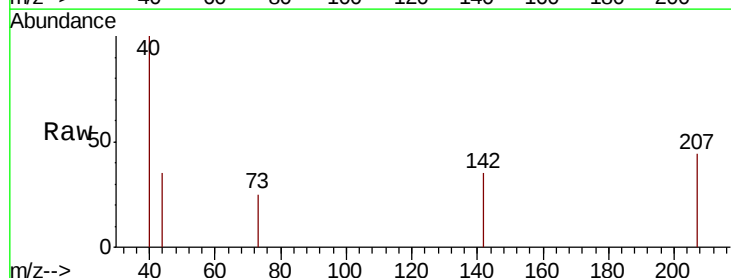
Tgt Ion:142 Resp: 211

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

250

200

150

100

50

0

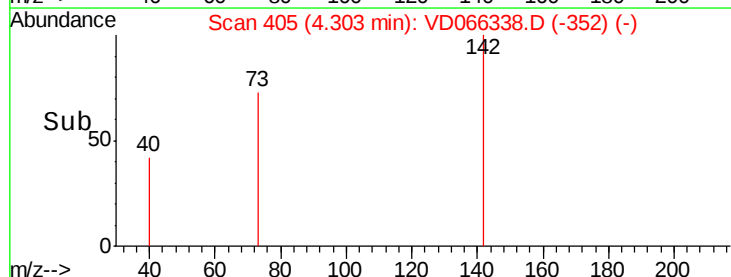
4.26

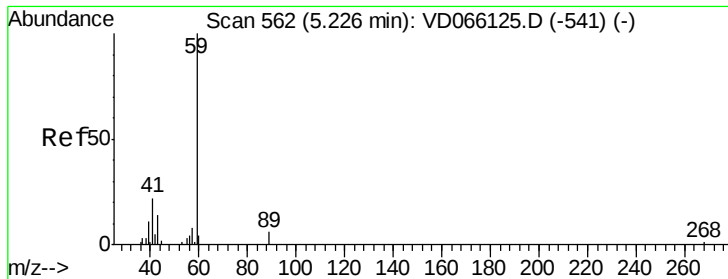
4.28

4.30

4.32

Time-->

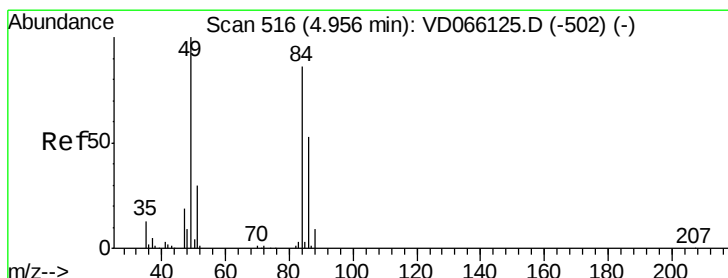
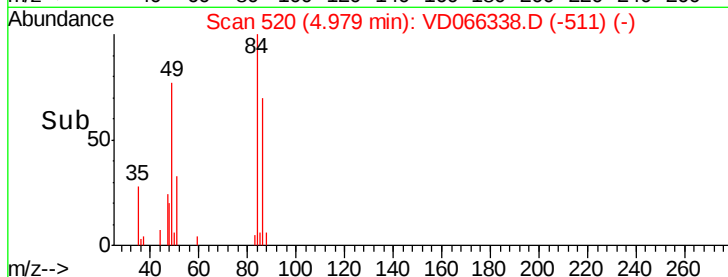
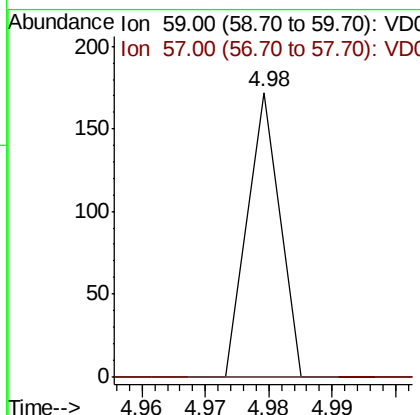
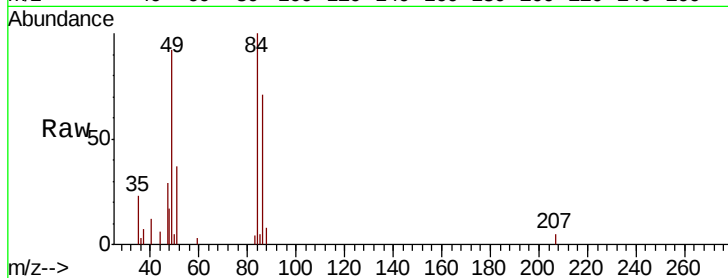




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. -0.25 min
Lab File: VD066338.D
Acq: 20 Aug 2020 02:19

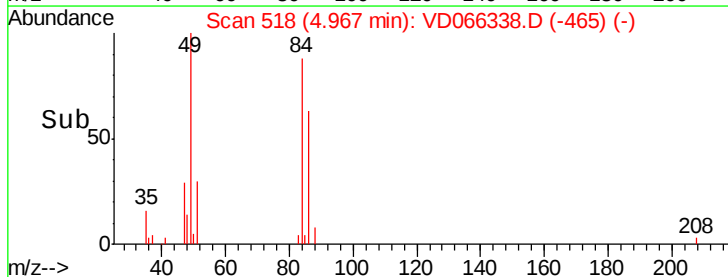
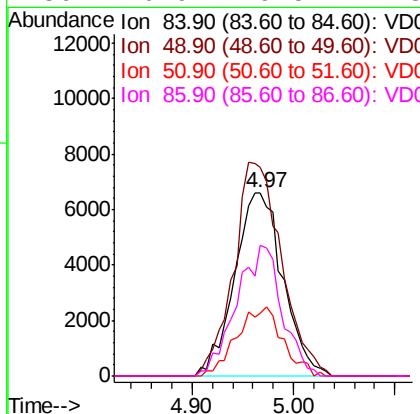
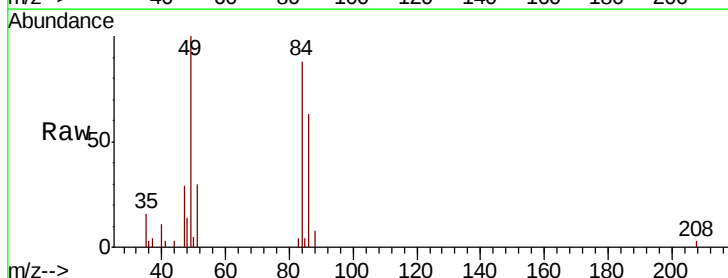
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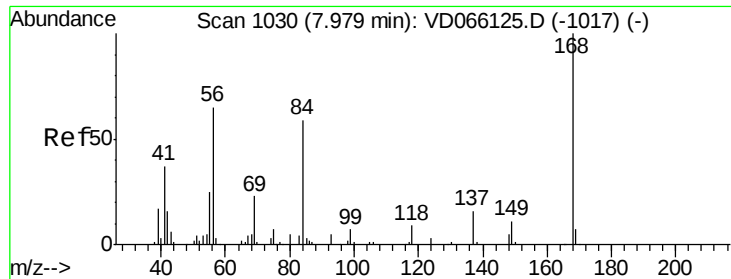
Tot Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 8.748 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066338.D
Acq: 20 Aug 2020 02:19

Tgt Ion: 84 Resp: 21815
Ion Ratio Lower Upper
84 100
49 113.5 93.5 140.3
51 34.0 28.2 42.4
86 70.9 49.5 74.3

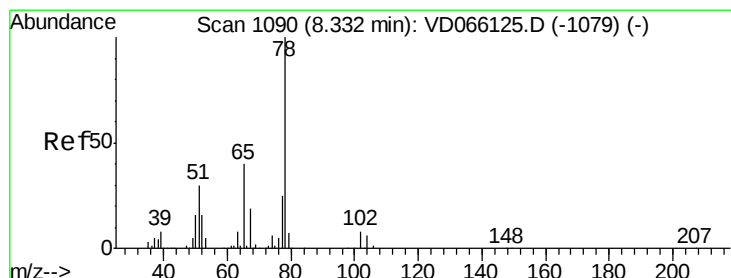
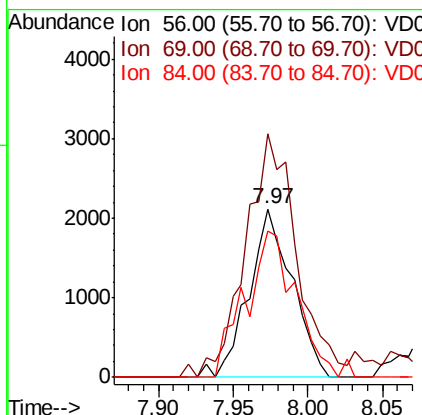
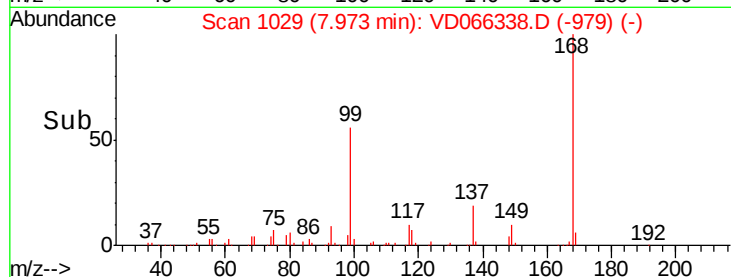
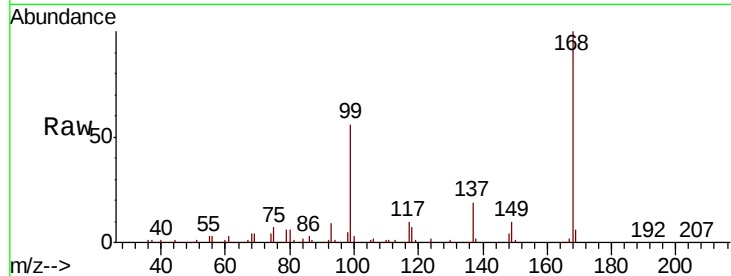




#31
Cyclohexane
Concen: 1.532 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066338.D
Acq: 20 Aug 2020 02:19

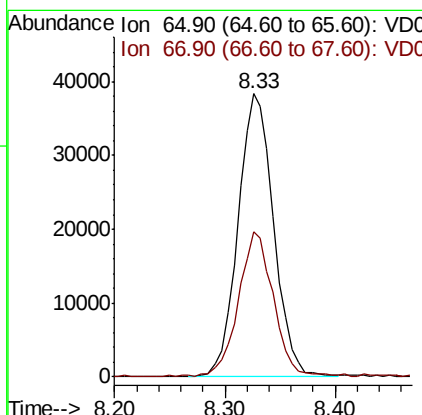
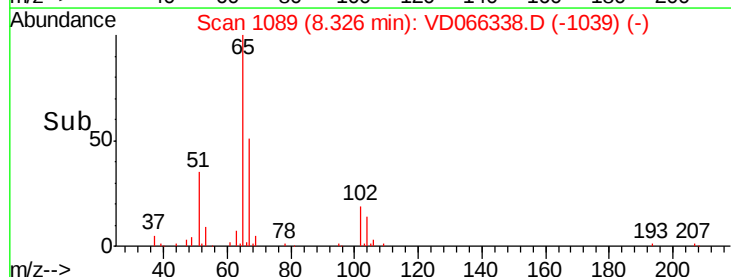
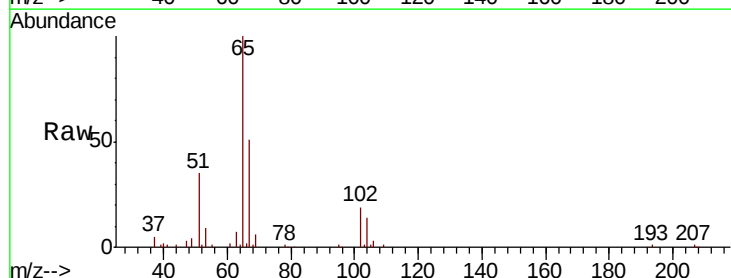
Instrument :
MSVOA_D
ClientSampleId :
TP-1-4-8FT

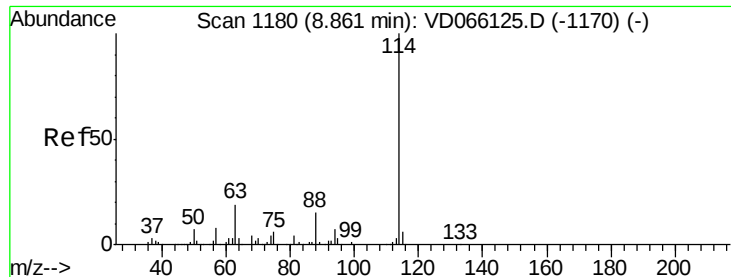
Tot Ion: 56 Resp: 4266
Ion Ratio Lower Upper
56 100
69 137.1 28.8 43.2#
84 87.1 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 54.580 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066338.D
Acq: 20 Aug 2020 02:19

Tgt Ion: 65 Resp: 86747
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.6

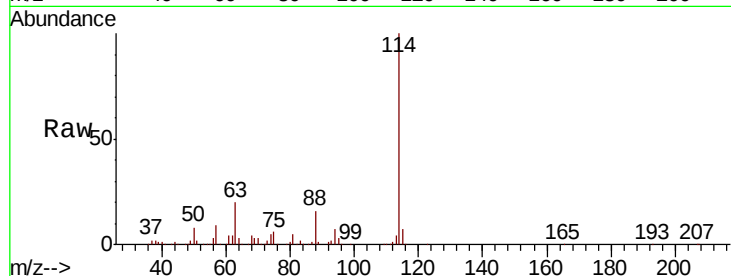




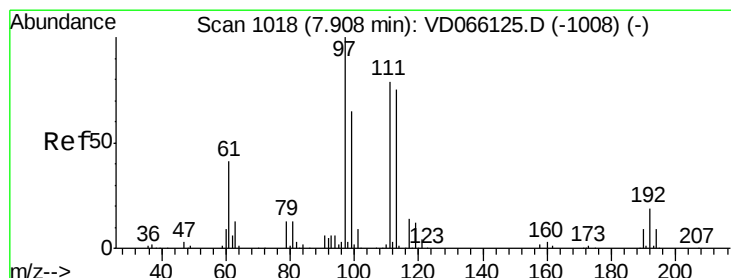
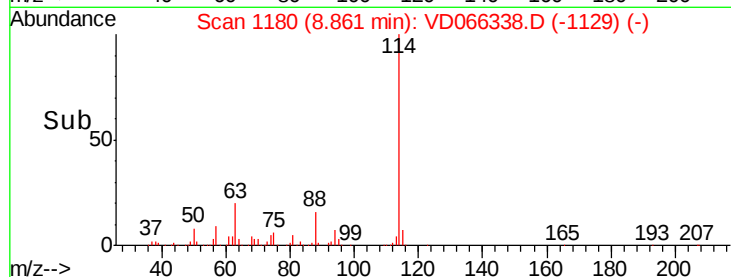
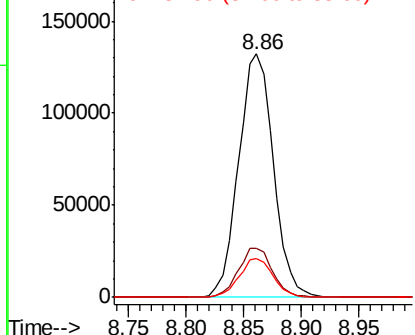
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066338.D
 Acq: 20 Aug 2020 02:19

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-4-8FT

Tot Ion:114 Resp: 276944
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.6
 88 16.1 0.0 30.0

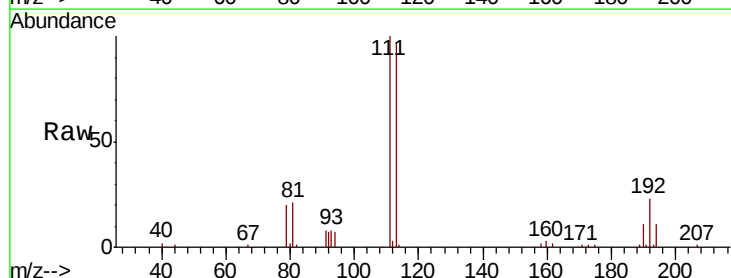


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

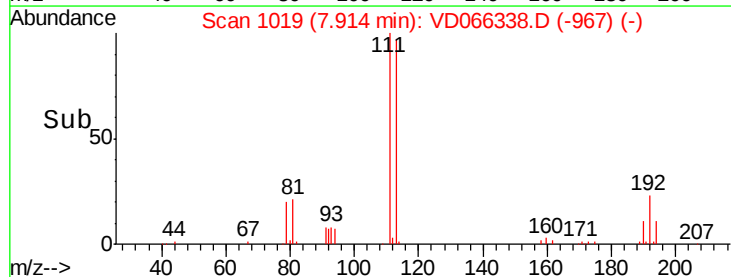
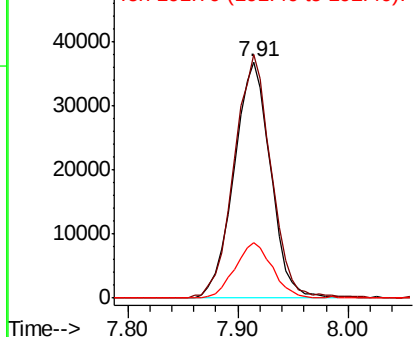


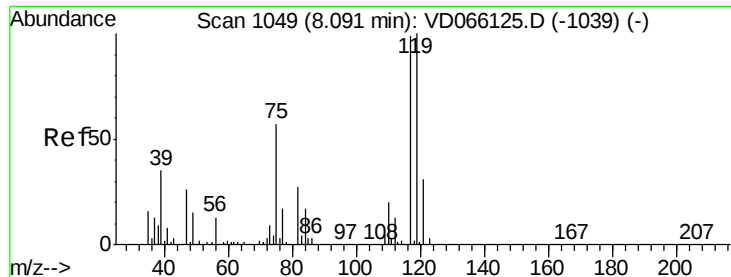
#35
 Dibromofluoromethane
 Concen: 48.953 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066338.D
 Acq: 20 Aug 2020 02:19

Tgt Ion:113 Resp: 85883
 Ion Ratio Lower Upper
 113 100
 111 104.2 80.7 121.1
 192 23.8 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





#38

Carbon Tetrachloride

Concen: 5.817 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066338.D

Acq: 20 Aug 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

TP-1-4-8FT

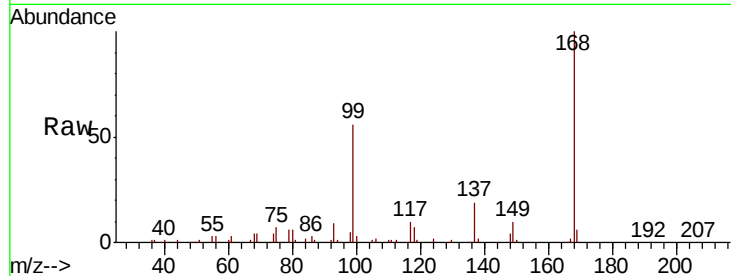
Tot Ion:117 Resp: 16881

Ion Ratio Lower Upper

117 100

119 6.1 81.0 121.4#

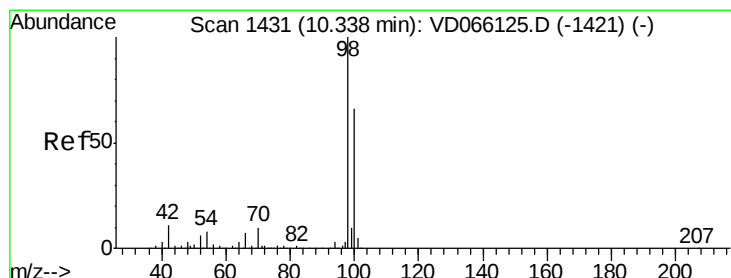
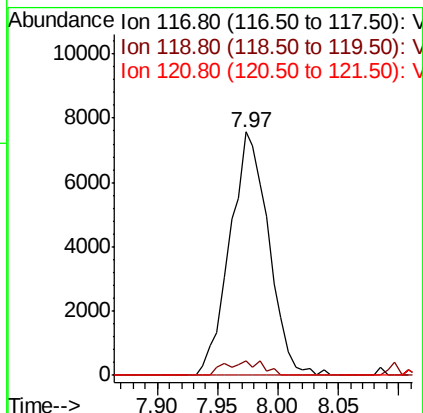
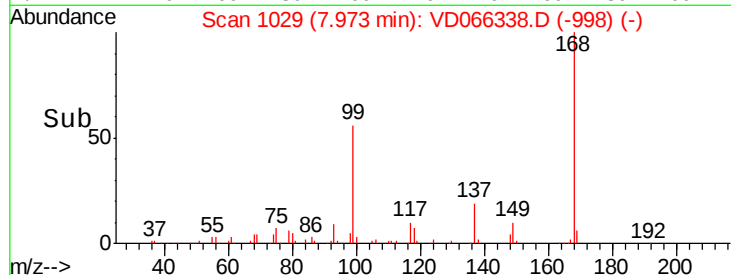
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 46.444 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066338.D

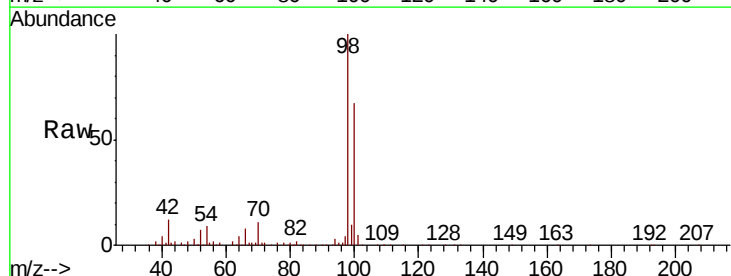
Acq: 20 Aug 2020 02:19

Tgt Ion: 98 Resp: 300686

Ion Ratio Lower Upper

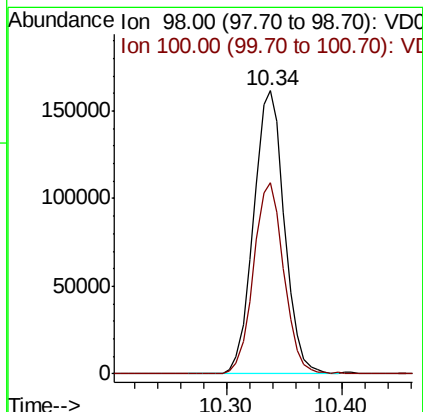
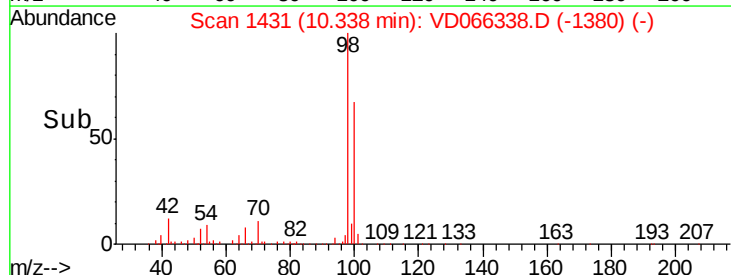
98 100

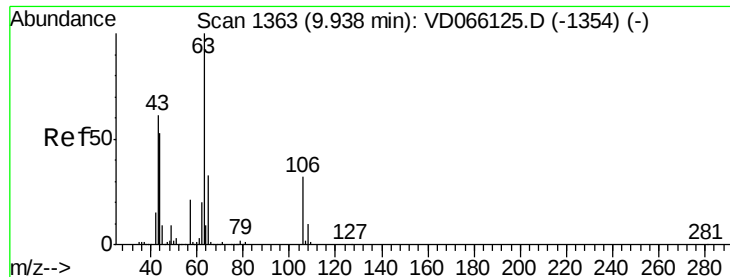
100 66.6 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

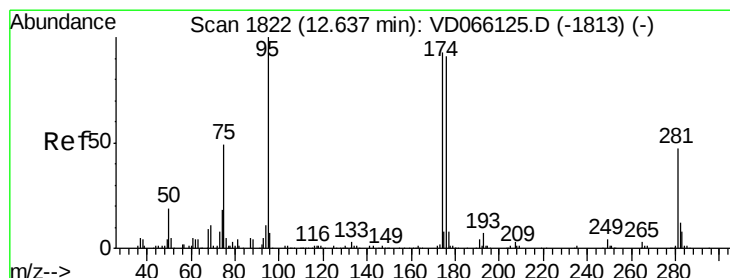
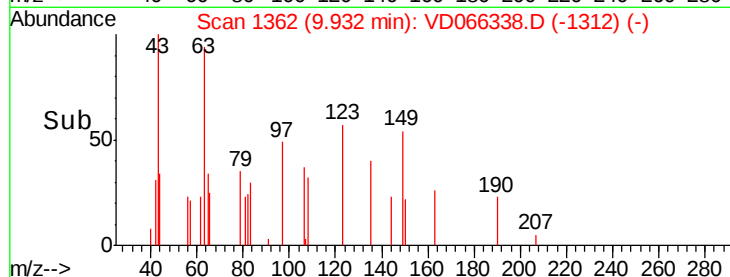
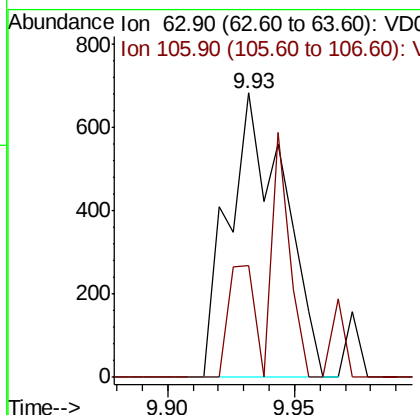
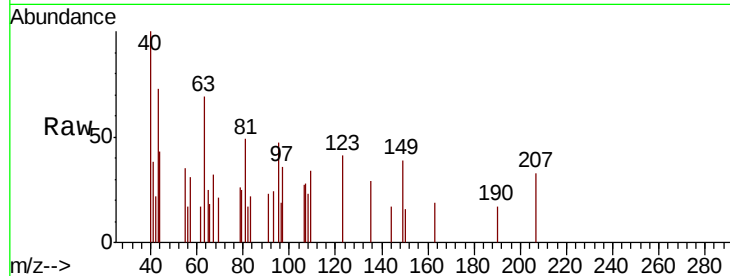




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.366 ug/l
 RT: 9.93 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VD066338.D
 Acq: 20 Aug 2020 02:19

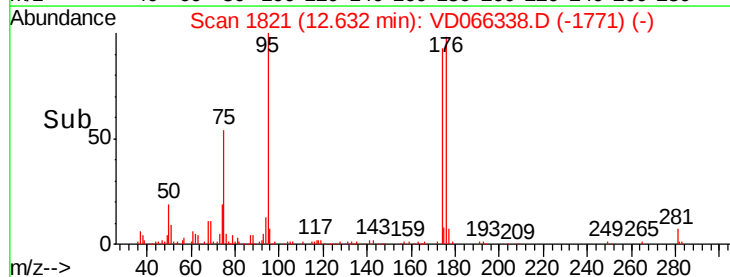
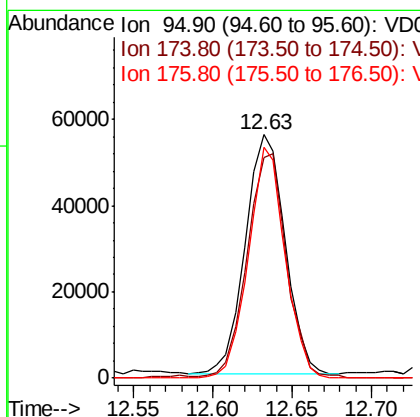
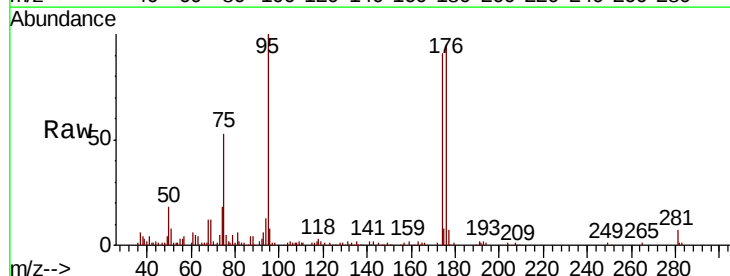
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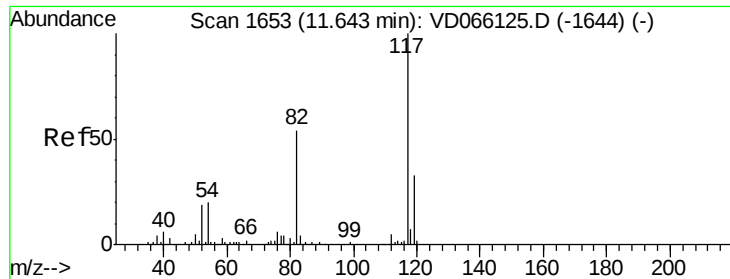
Tot Ion: 63 Resp: 1034
 Ion Ratio Lower Upper
 63 100
 106 45.2 25.3 37.9#



#62
 4-Bromofluorobenzene
 Concen: 41.236 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066338.D
 Acq: 20 Aug 2020 02:19

Tgt Ion: 95 Resp: 96232
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 180.8
 176 89.6 0.0 181.2

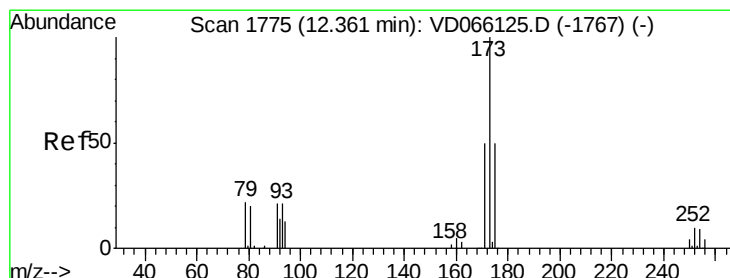
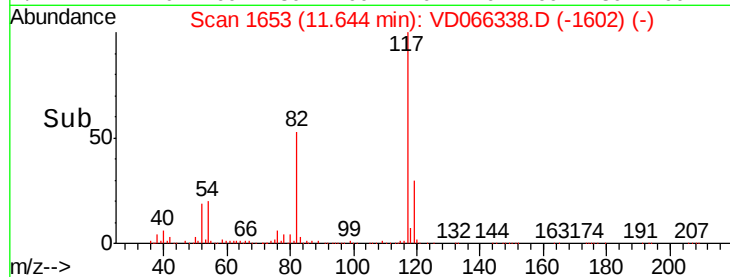
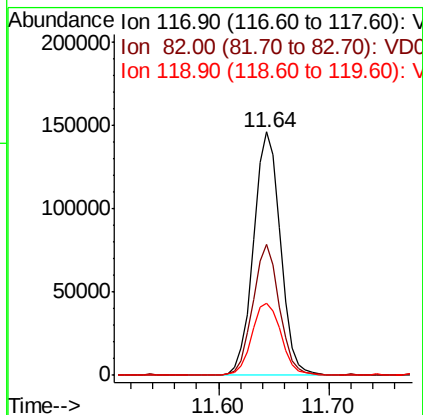
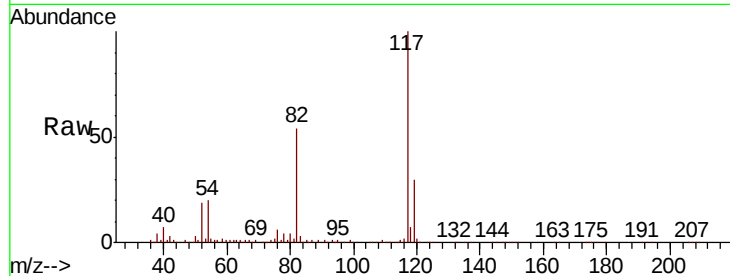




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066338.D
Acq: 20 Aug 2020 02:19

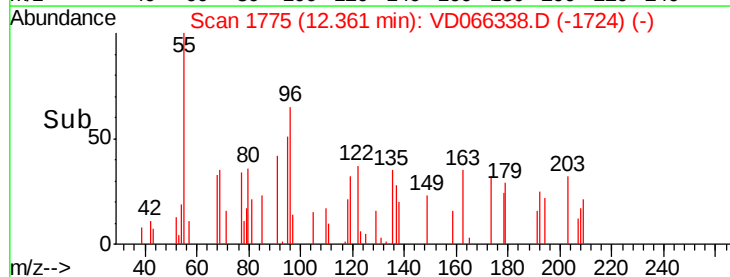
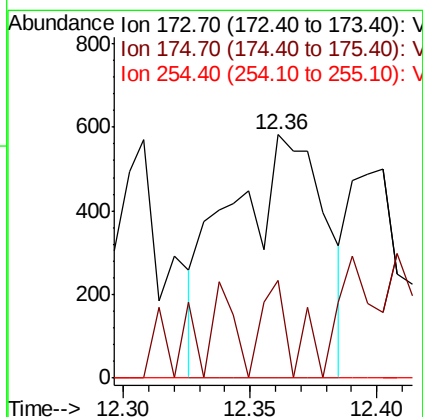
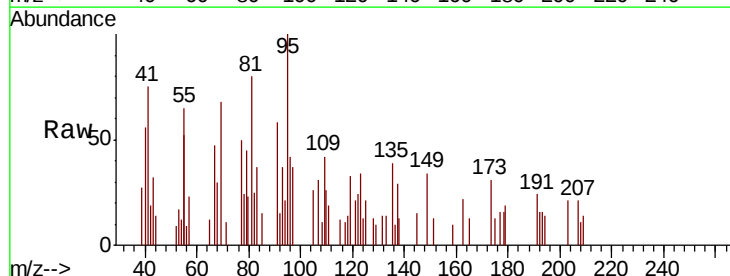
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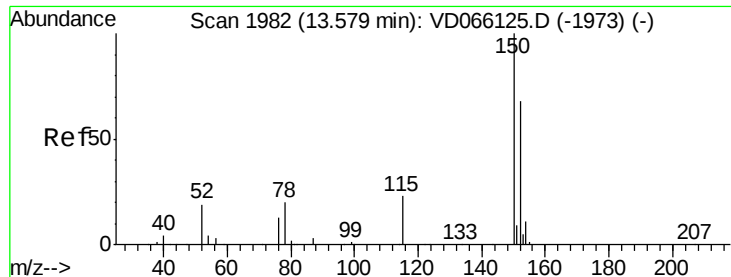
Tot Ion:117 Resp: 251349
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 29.6 26.1 39.1



#71
Bromoform
Concen: 1.293 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066338.D
Acq: 20 Aug 2020 02:19

Tgt Ion:173 Resp: 1529
Ion Ratio Lower Upper
173 100
175 9.7 24.6 73.6#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066338.D

Acq: 20 Aug 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

TP-1-4-8FT

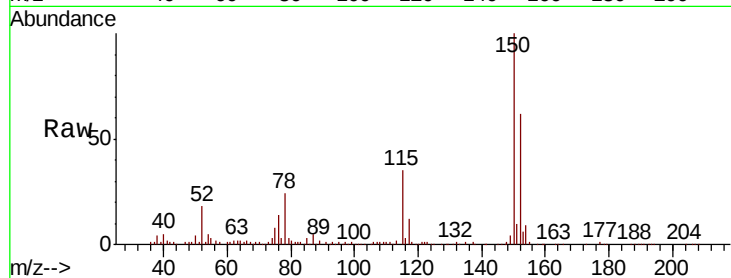
Tot Ion:152 Resp: 98077

Ion Ratio Lower Upper

152 100

115 57.8 28.0 83.9

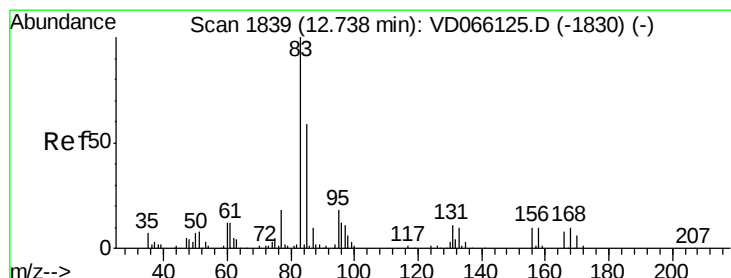
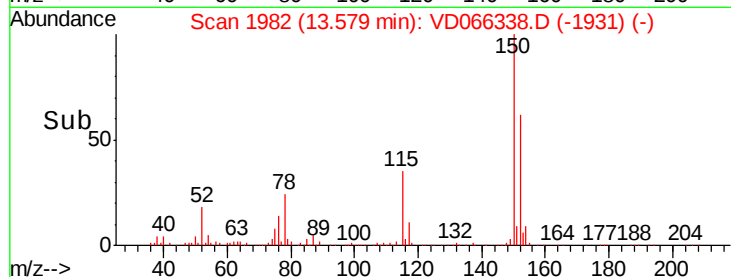
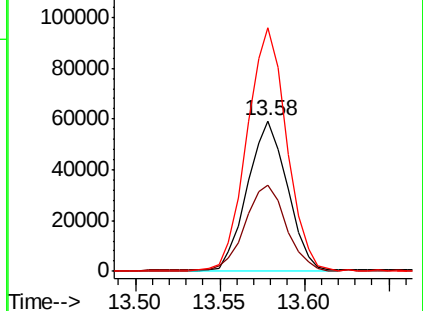
150 159.6 0.0 346.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 10.258 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.05 min

Lab File: VD066338.D

Acq: 20 Aug 2020 02:19

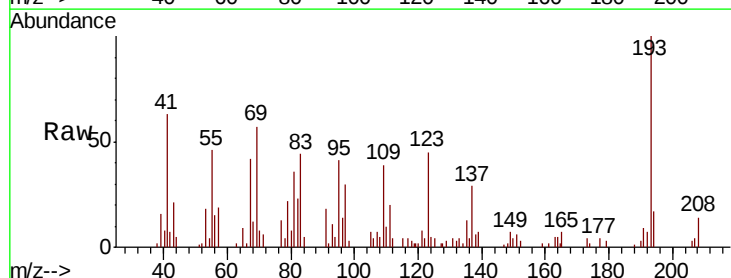
Tgt Ion: 83 Resp: 11452

Ion Ratio Lower Upper

83 100

131 0.0 6.2 18.6#

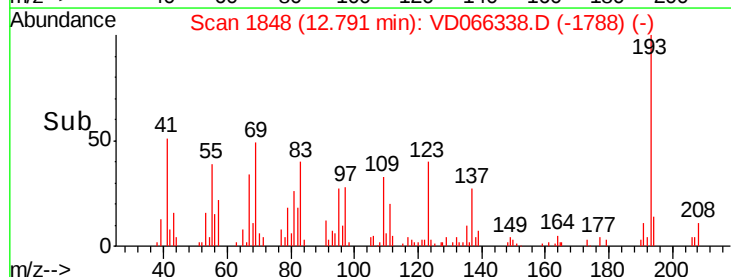
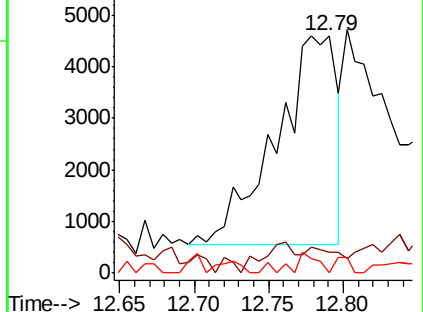
85 1.9 32.4 97.2#

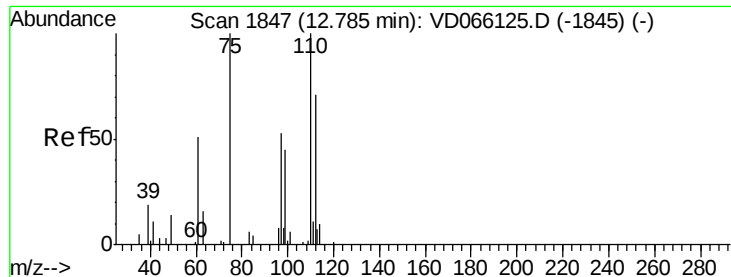


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 62.332 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066338.D

Acq: 20 Aug 2020 02:19

Instrument :

MSVOA_D

ClientSampleId :

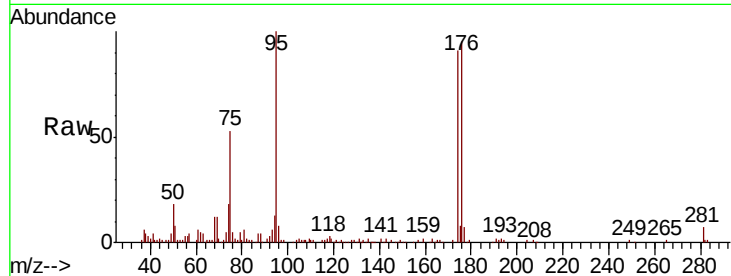
TP-1-4-8FT

Tot Ion: 75 Resp: 50981

Ion Ratio Lower Upper

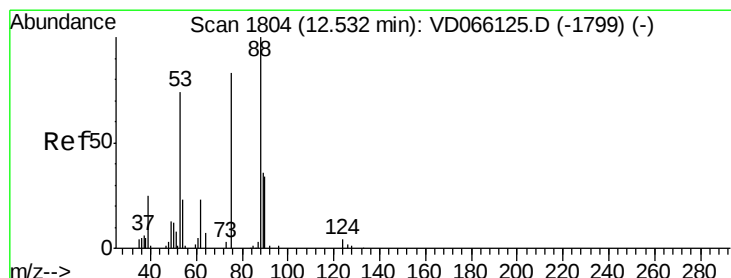
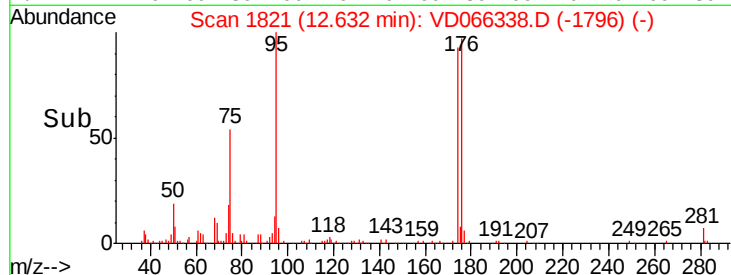
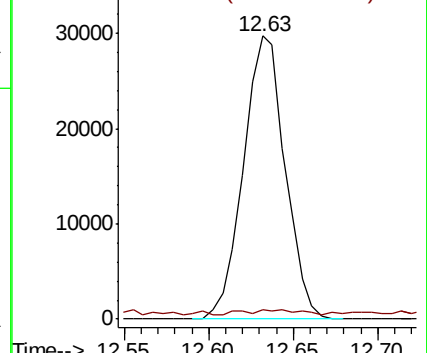
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 137.789 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066338.D

Acq: 20 Aug 2020 02:19

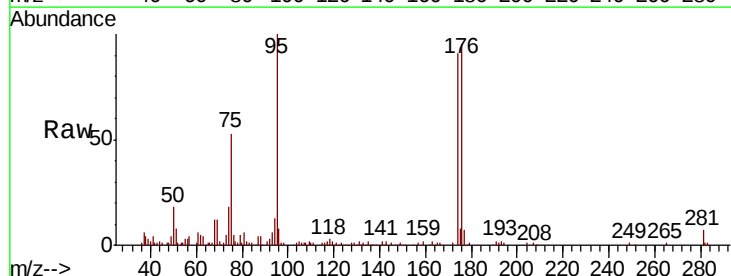
Tgt Ion: 75 Resp: 50981

Ion Ratio Lower Upper

75 100

53 0.7 73.4 110.2#

89 0.5 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

