

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066322.D
 Acq On : 19 Aug 2020 16:51
 Operator : VA/SY
 Sample : L3681-01RE
 Misc : 6.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6-4-9FTRE

Quant Time: Aug 20 07:17:58 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	160540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	208805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	137565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	30981	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	71750	50.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.20%	
35) Dibromofluoromethane	7.91	113	77357	58.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.96%	
50) Toluene-d8	10.34	98	241881	49.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.63	95	46228	26.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	52.54%	

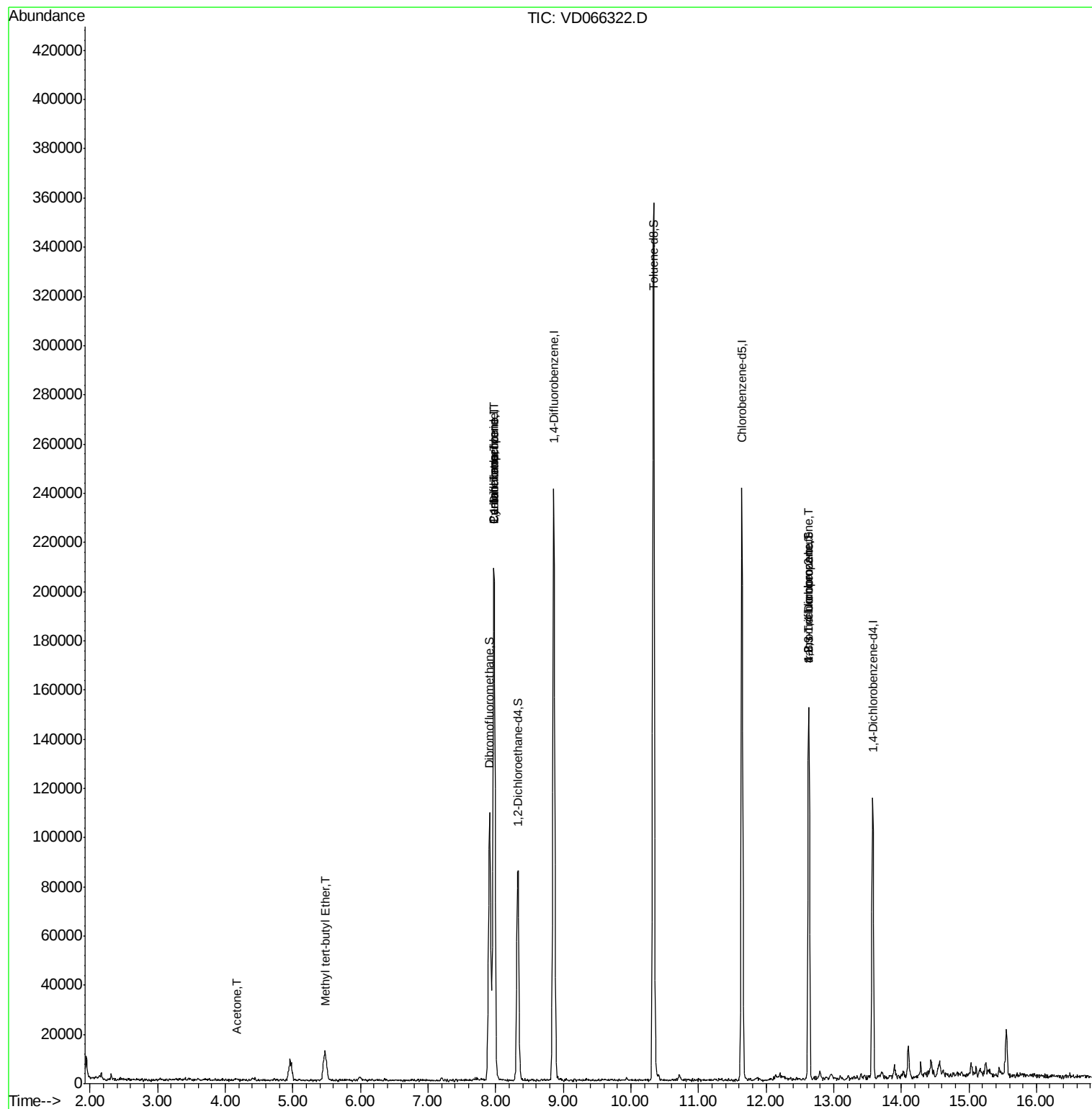
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	65	Below Cal	#	76
16) Acetone	4.16	43	871	3.205	ug/l #	44
19) Methyl tert-butyl Ether	5.47	73	18502	5.678	ug/l #	83
20) Methylene Chloride	4.97	84	6353	Below Cal		88
31) Cyclohexane	7.97	56	3115	1.241	ug/l #	32
36) 1,1-Dichloropropene	7.98	75	11613	5.919	ug/l #	50
38) Carbon Tetrachloride	7.97	117	15084	6.894	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	25270	97.809	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	25270	216.213	ug/l #	13

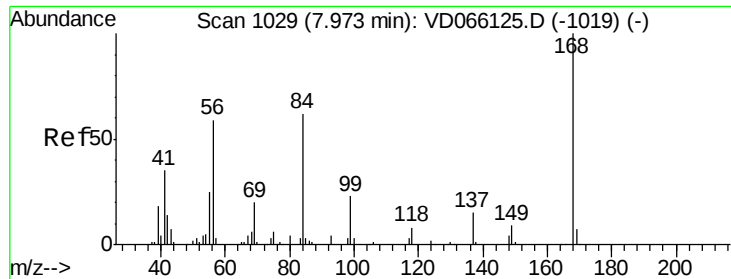
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066322.D

Acq: 19 Aug 2020 16:51

Instrument :

MSVOA_D

ClientSampleId :

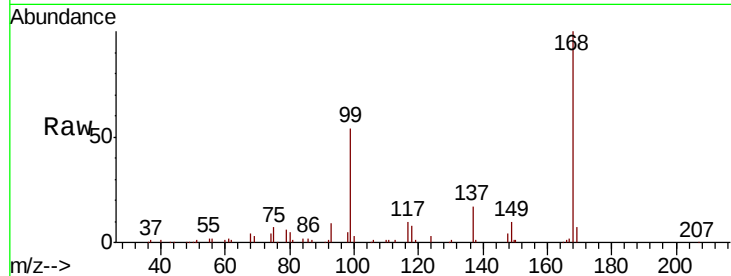
TP-6-4-9FTRE

Tot Ion:168 Resp: 160540

Ion Ratio Lower Upper

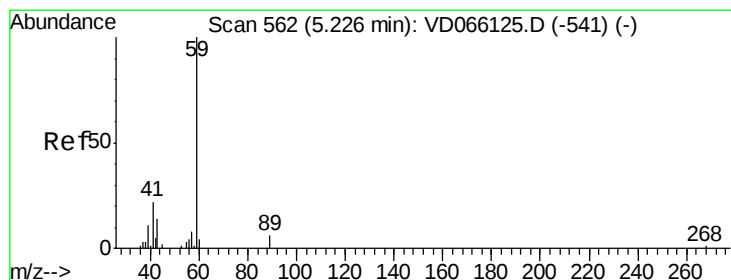
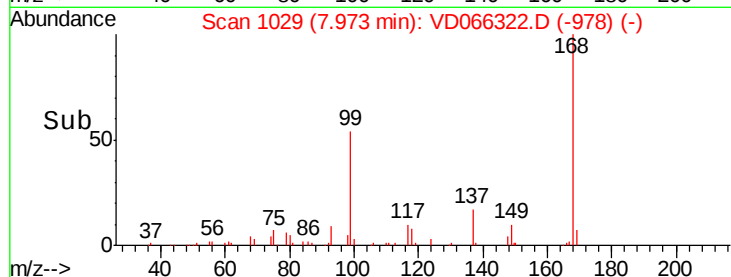
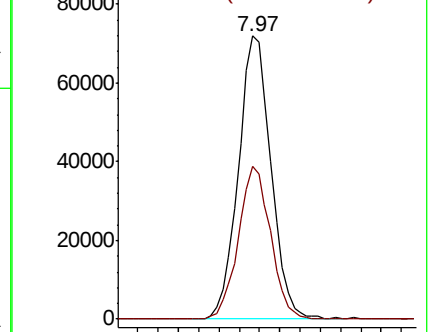
168 100

99 54.1 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: 5.18 min Scan# 555

Delta R.T. -0.04 min

Lab File: VD066322.D

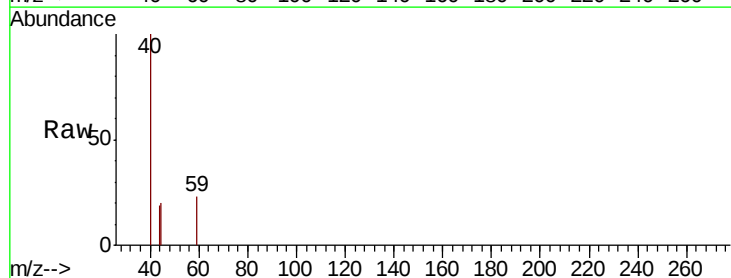
Acq: 19 Aug 2020 16:51

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

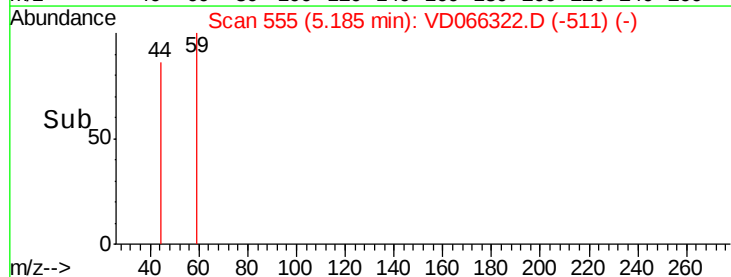
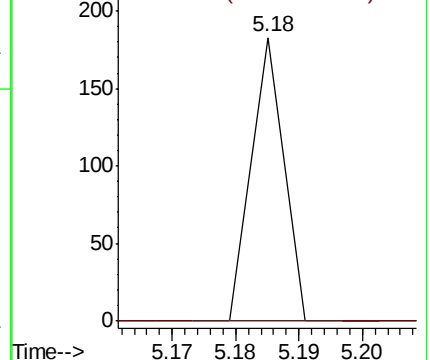
59 100

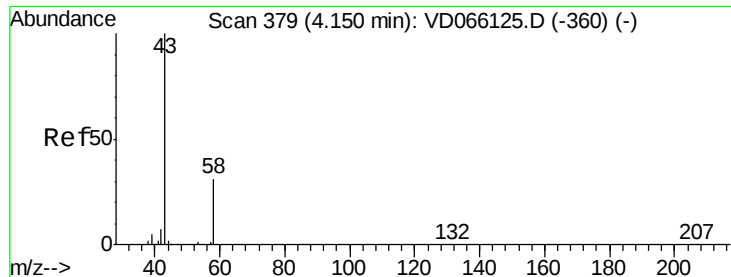
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 3.205 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066322.D

Acq: 19 Aug 2020 16:51

Instrument :

MSVOA_D

ClientSampleId :

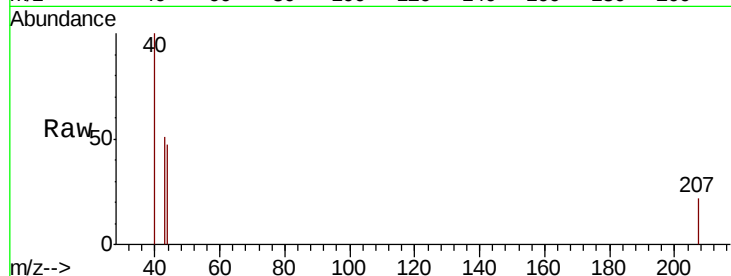
TP-6-4-9FTRE

Tot Ion: 43 Resp: 871

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

400

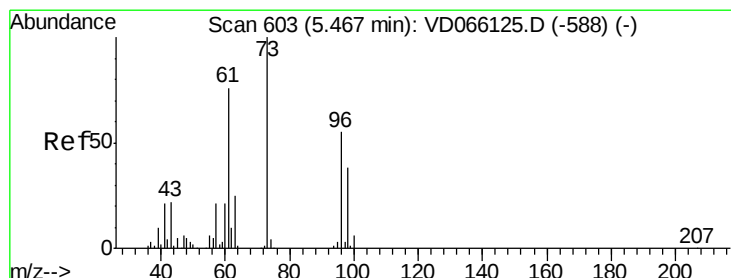
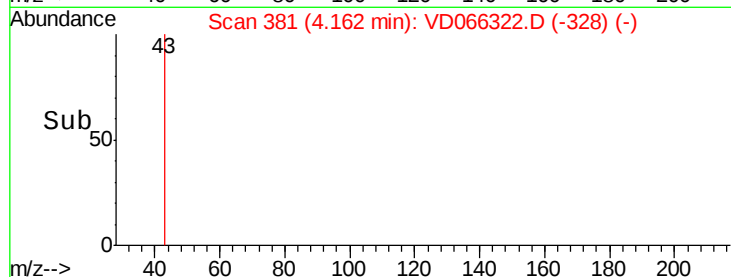
300

200

100

0

Time--> 4.10 4.15 4.20



#19

Methyl tert-butyl Ether

Concen: 5.678 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066322.D

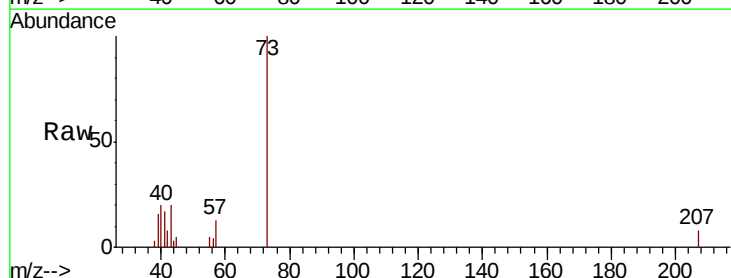
Acq: 19 Aug 2020 16:51

Tgt Ion: 73 Resp: 18502

Ion Ratio Lower Upper

73 100

57 13.3 17.1 25.7#



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.47

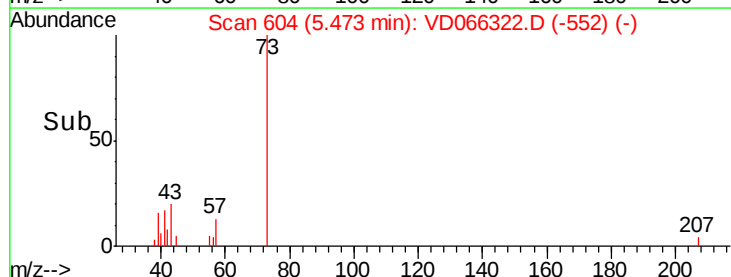
6000

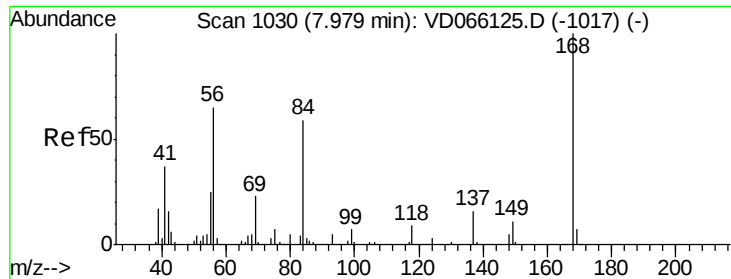
4000

2000

0

Time--> 5.40 5.50 5.60

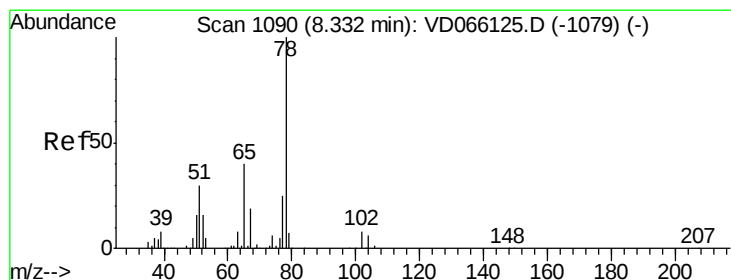
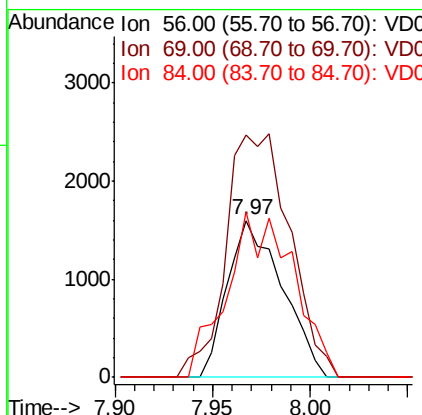
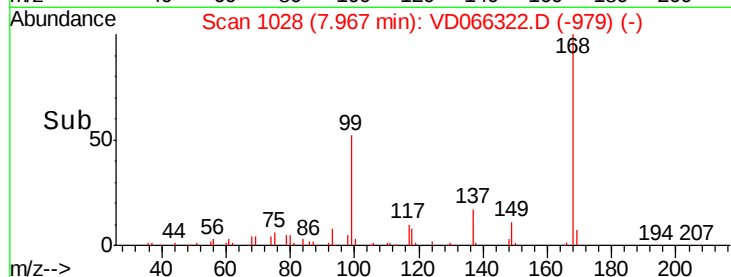
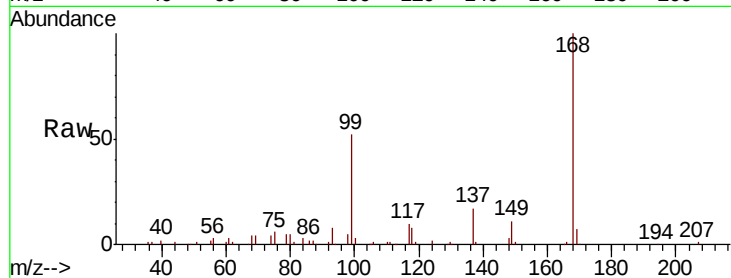




#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066322.D
Acq: 19 Aug 2020 16:51

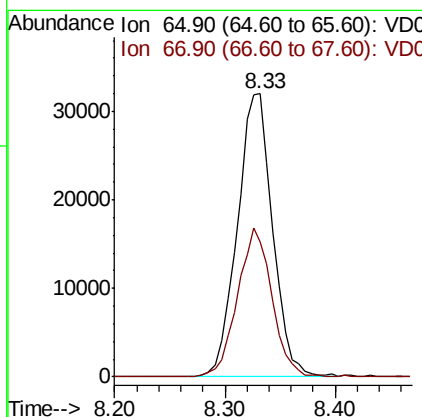
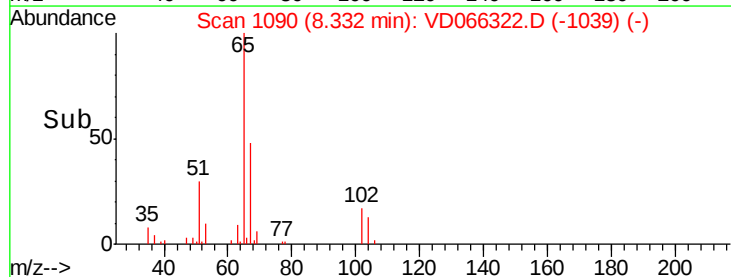
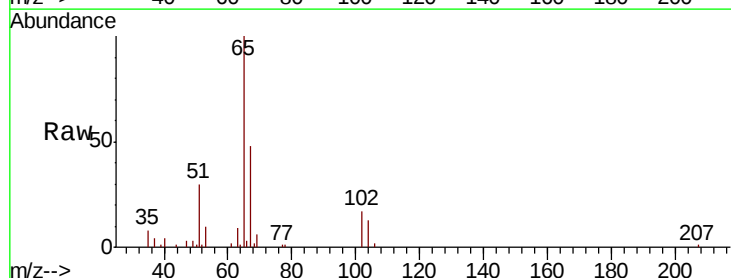
Instrument :
MSVOA_D
ClientSampleId :
TP-6-4-9FTRE

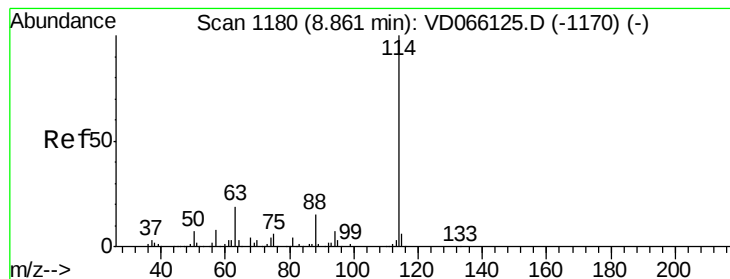
Tot Ion: 56 Resp: 3115
Ion Ratio Lower Upper
56 100
69 154.6 28.8 43.2#
84 105.5 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 50.096 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD066322.D
Acq: 19 Aug 2020 16:51

Tgt Ion: 65 Resp: 71750
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: VD066322.D

Acq: 19 Aug 2020 16:51

Instrument :

MSVOA_D

ClientSampleId :

TP-6-4-9FTRE

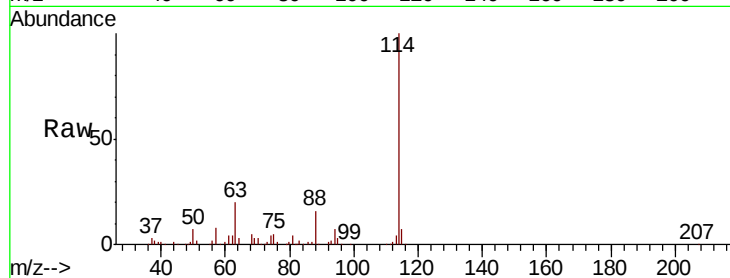
Tot Ion:114 Resp: 208805

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.6

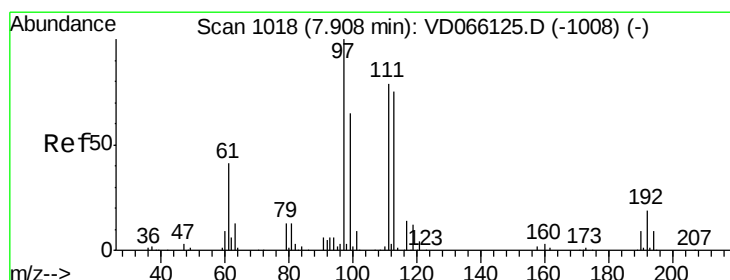
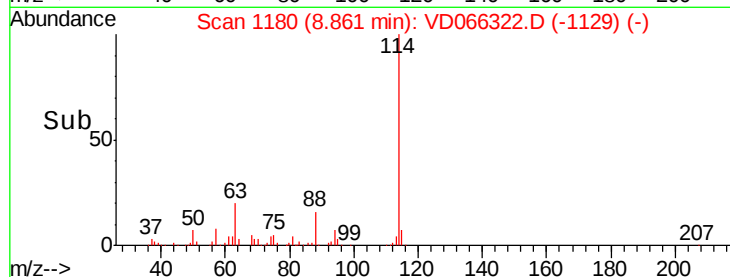
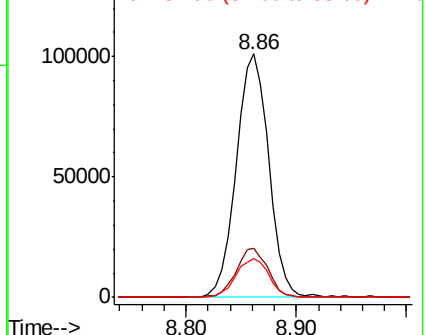
88 16.1 0.0 30.0



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: 58.482 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066322.D

Acq: 19 Aug 2020 16:51

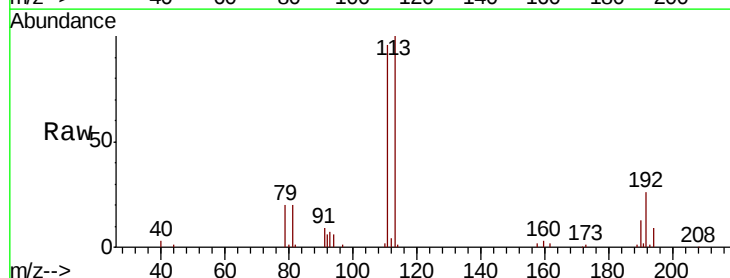
Tgt Ion:113 Resp: 77357

Ion Ratio Lower Upper

113 100

111 101.4 80.7 121.1

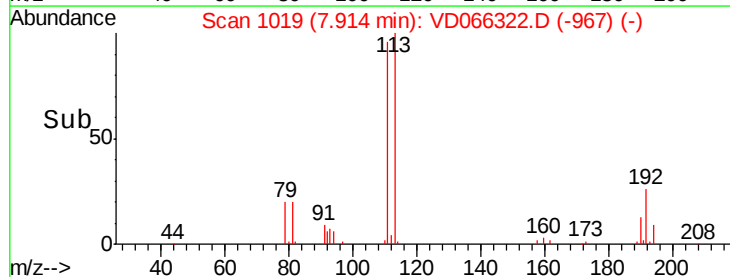
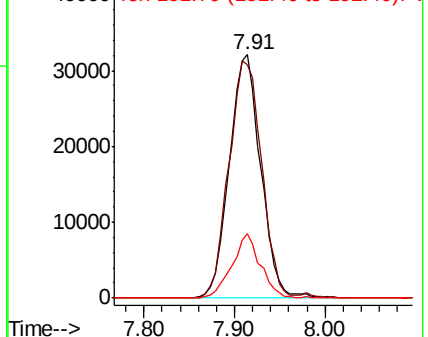
192 23.8 18.4 27.6

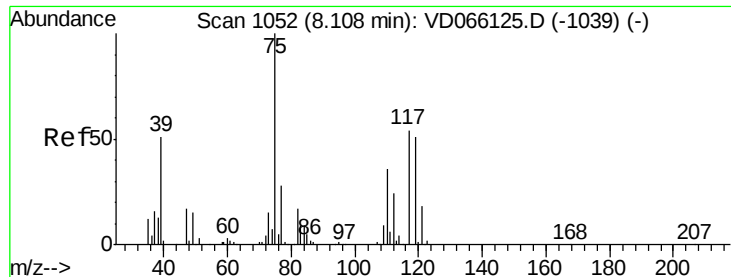


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

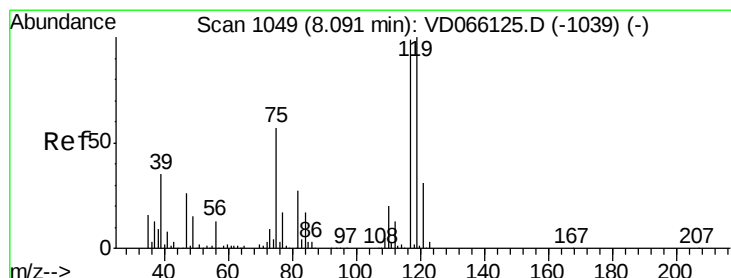
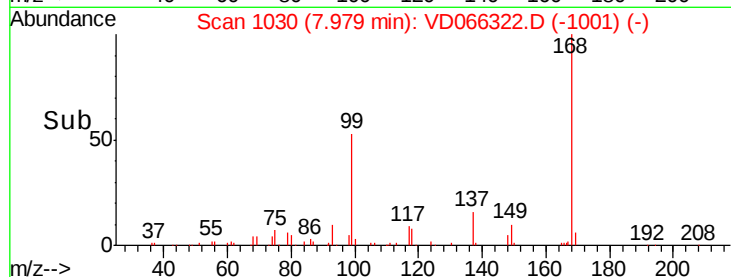
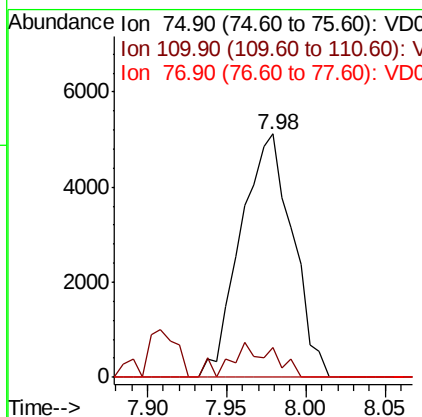
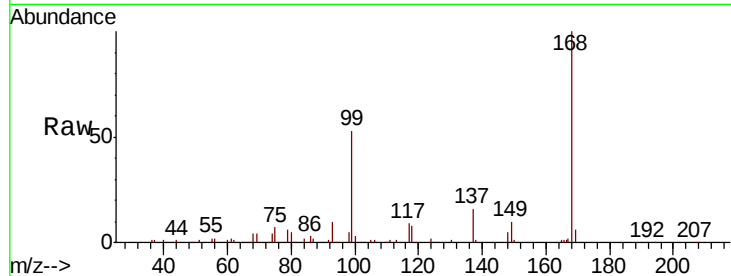




#36
 1,1-Dichloropropene
 Concen: 5.919 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066322.D
 Acq: 19 Aug 2020 16:51

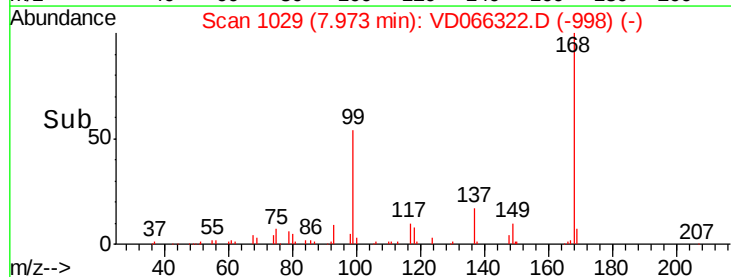
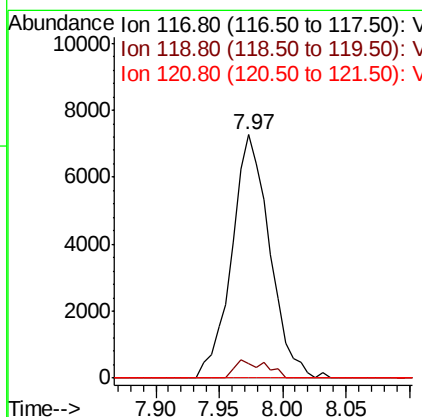
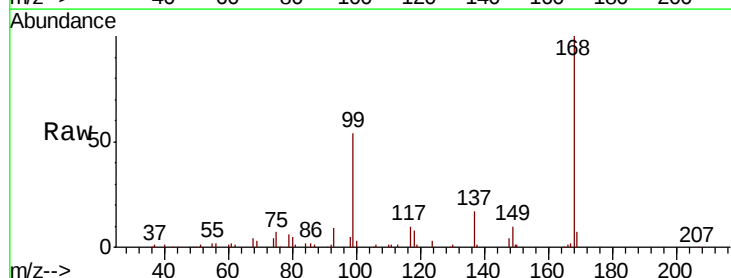
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6-4-9FTRE

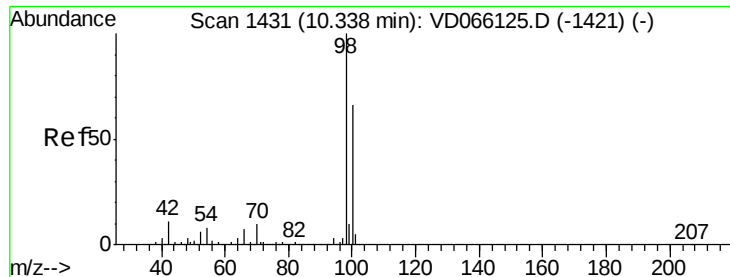
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.8	56.3#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.894 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066322.D
 Acq: 19 Aug 2020 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	81.0	121.4#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.553 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066322.D

Acq: 19 Aug 2020 16:51

Instrument :

MSVOA_D

ClientSampleId :

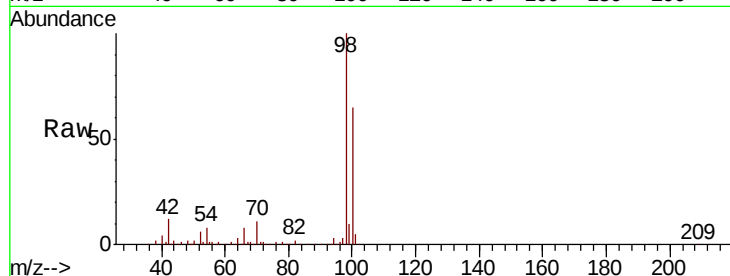
TP-6-4-9FTRE

Tot Ion: 98 Resp: 241881

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

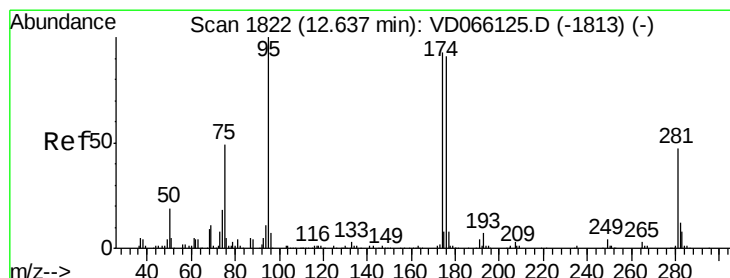
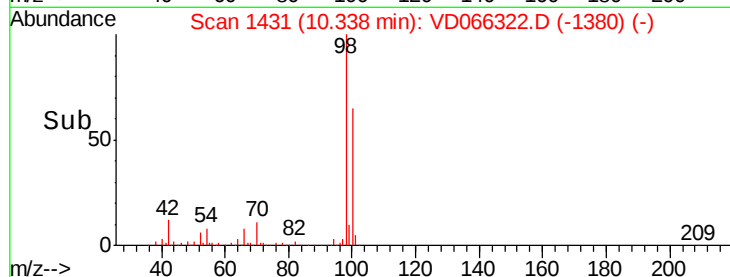
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 26.273 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066322.D

Acq: 19 Aug 2020 16:51

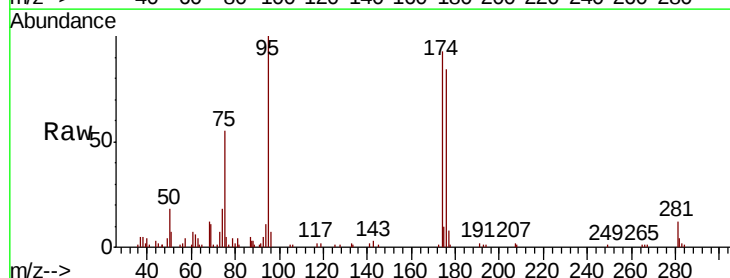
Tgt Ion: 95 Resp: 46228

Ion Ratio Lower Upper

95 100

174 92.9 0.0 180.8

176 89.6 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.63

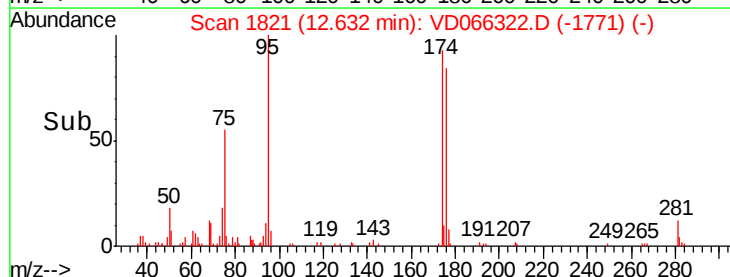
30000

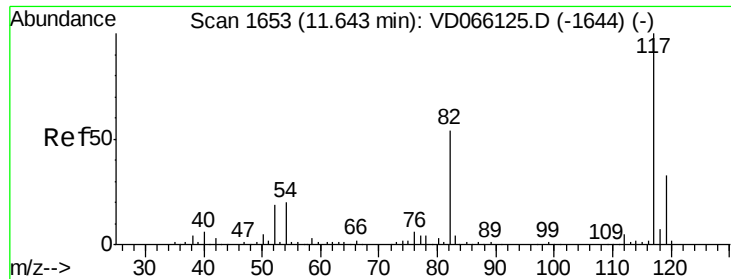
20000

10000

0

Time-->

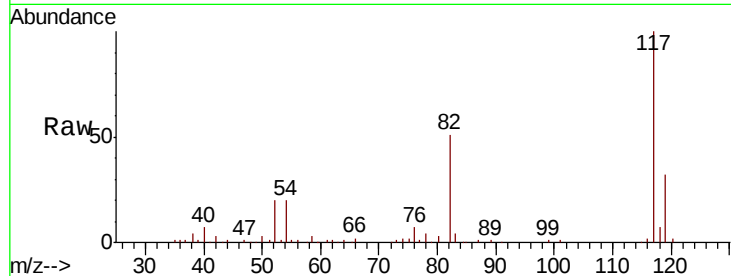




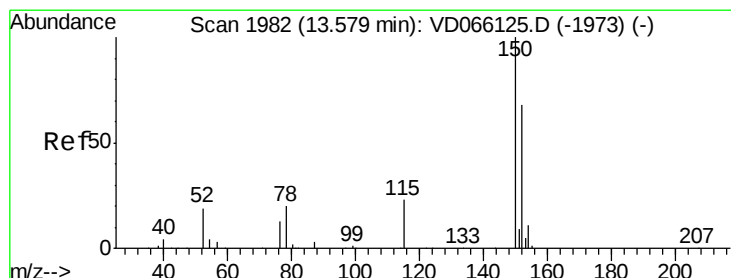
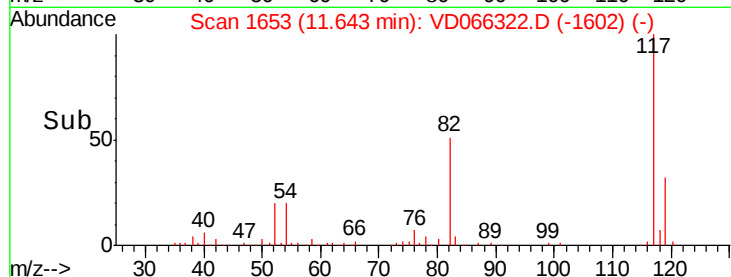
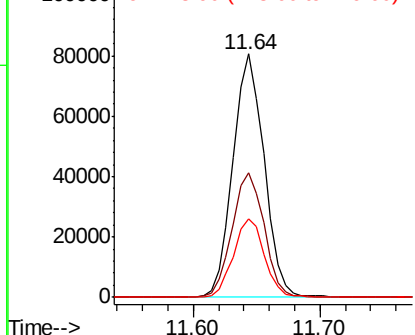
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.64 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VD066322.D
 Acq: 19 Aug 2020 16:51

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6-4-9FTRE

Tot Ion:117 Resp: 137565
 Ion Ratio Lower Upper
 117 100
 82 51.3 43.0 64.4
 119 32.3 26.1 39.1

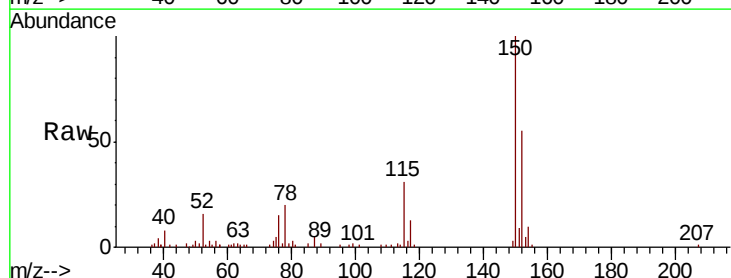


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

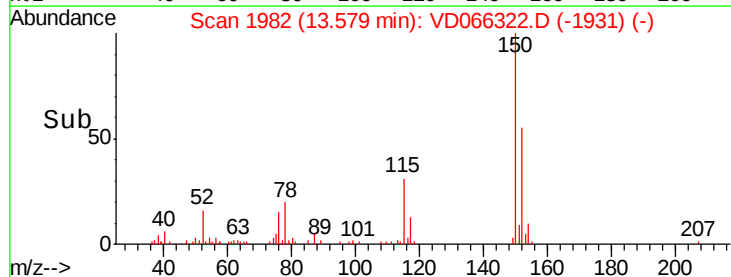
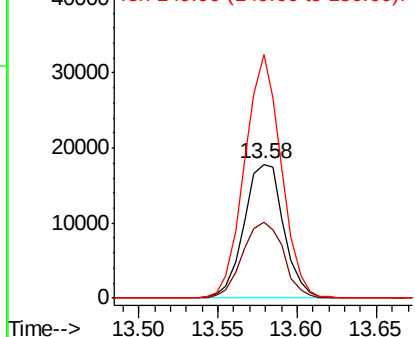


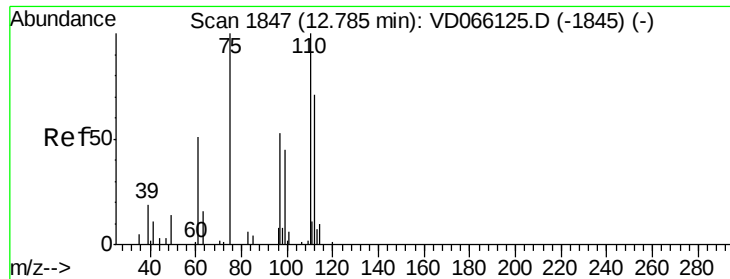
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD066322.D
 Acq: 19 Aug 2020 16:51

Tgt Ion:152 Resp: 30981
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.0 83.9
 150 167.8 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: 97.809 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066322.D

Acq: 19 Aug 2020 16:51

Instrument :

MSVOA_D

ClientSampleId :

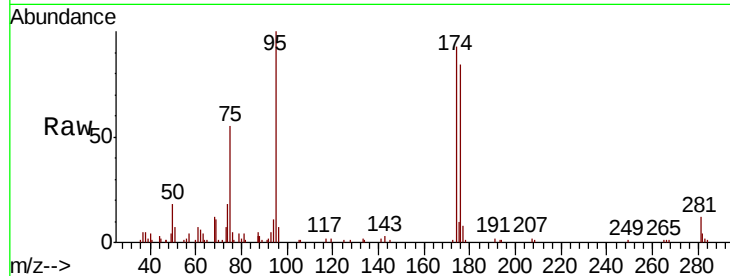
TP-6-4-9FTRE

Tot Ion: 75 Resp: 25270

Ion Ratio Lower Upper

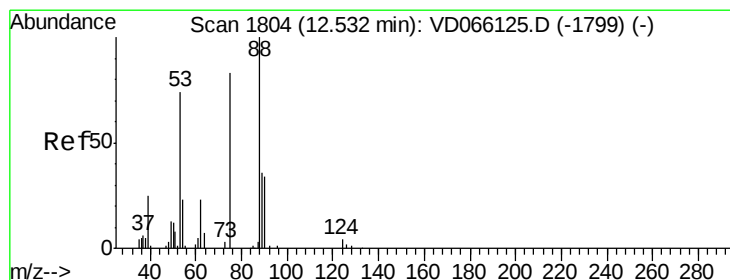
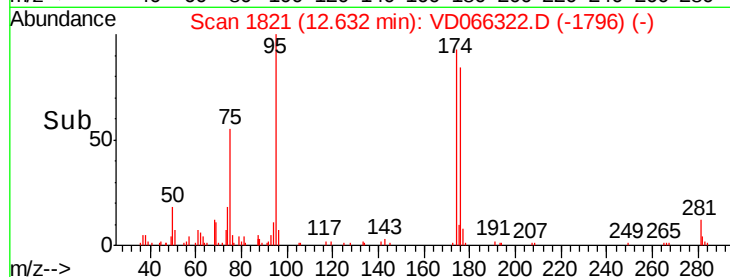
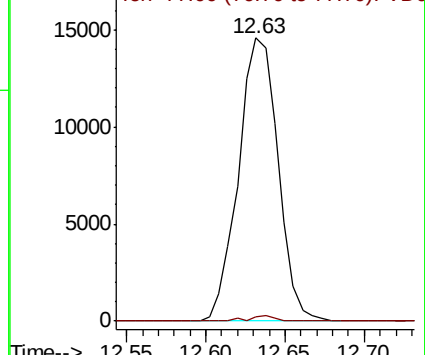
75 100

77 1.2 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: 216.213 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066322.D

Acq: 19 Aug 2020 16:51

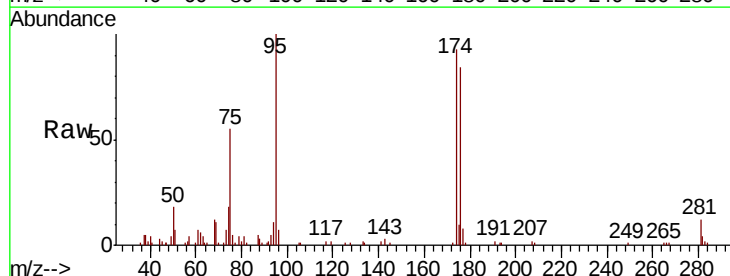
Tgt Ion: 75 Resp: 25270

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.2 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

