

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081820\
 Data File : VD066309.D
 Acq On : 19 Aug 2020 07:39
 Operator : VA/SY
 Sample : L3712-06
 Misc : 7.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-25203

Quant Time: Aug 19 08:51:35 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

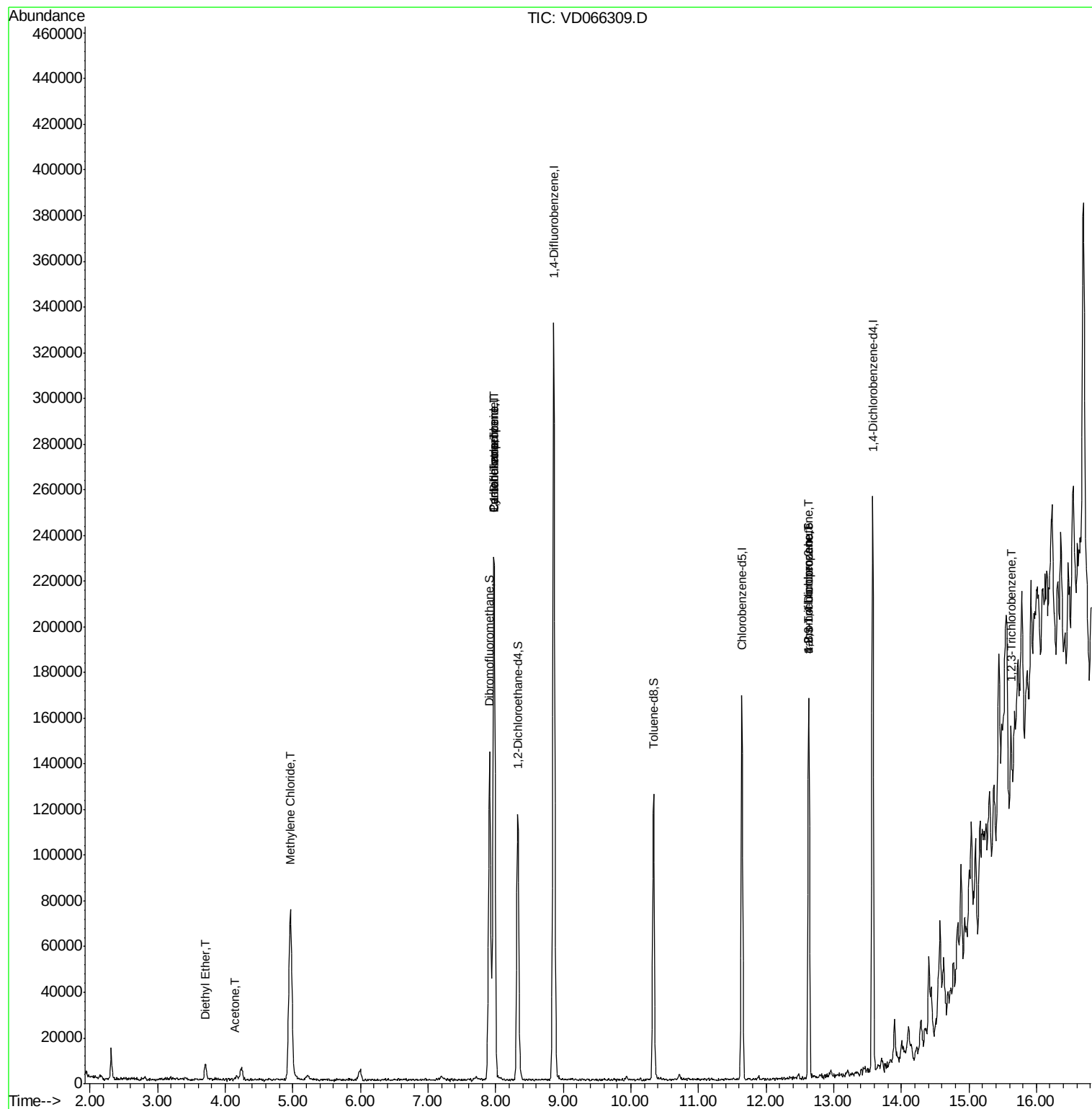
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	178803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	290431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	97958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	67874	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	95614	59.94	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.88%	
35) Dibromofluoromethane	7.91	113	102074	55.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.96%	
50) Toluene-d8	10.34	98	83310	12.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	24.54%	
62) 4-Bromofluorobenzene	12.63	95	51412	21.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.02%	
Target Compounds						
8) Diethyl Ether	3.70	74	3489	4.372	ug/l	86
11) Tert butyl alcohol	5.21	59	2314	Below Cal	#	93
16) Acetone	4.14	43	840	2.775	ug/l #	66
20) Methylene Chloride	4.96	84	60465	33.219	ug/l	96
31) Cyclohexane	7.97	56	3787	1.355	ug/l #	42
36) 1,1-Dichloropropene	7.97	75	12590	4.613	ug/l #	46
38) Carbon Tetrachloride	7.97	117	16743	5.501	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	25636	45.292	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	25636	100.120	ug/l #	13
96) 1,2,3-Trichlorobenzene	15.63	180	2252	1.786	ug/l #	49

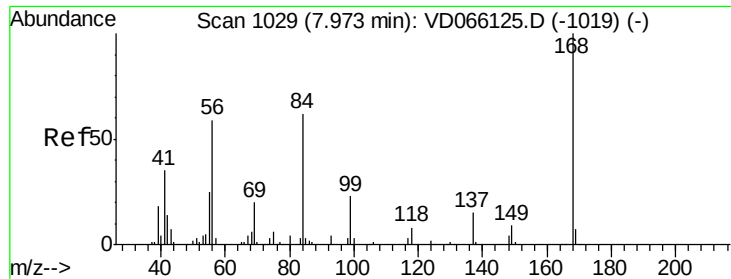
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081820\
Data File : VD066309.D
Acq On : 19 Aug 2020 07:39
Operator : VA/SY
Sample : L3712-06
Misc : 7.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VB-25203

Quant Time: Aug 19 08:51:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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: VD066309.D

Acq: 19 Aug 2020 07:39

Instrument :

MSVOA_D

ClientSampleId :

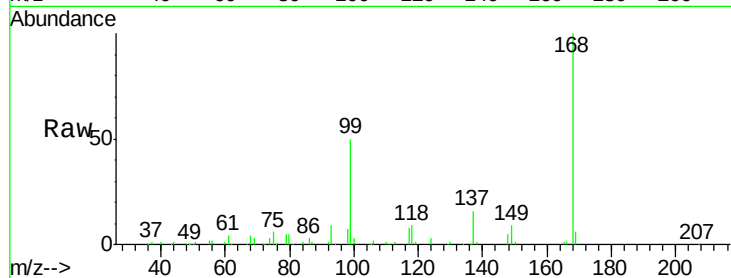
VB-25203

Tgt Ion:168 Resp: 178803

Ion Ratio Lower Upper

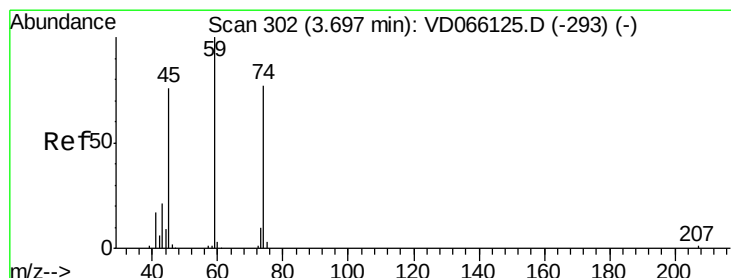
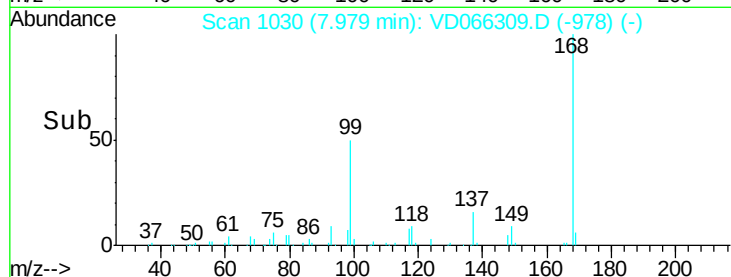
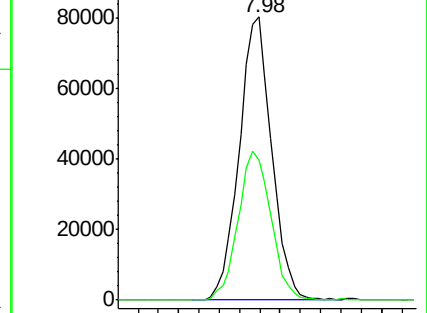
168 100

99 49.6 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 4.372 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066309.D

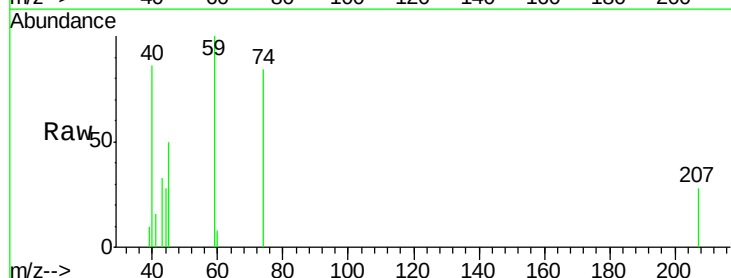
Acq: 19 Aug 2020 07:39

Tgt Ion: 74 Resp: 3489

Ion Ratio Lower Upper

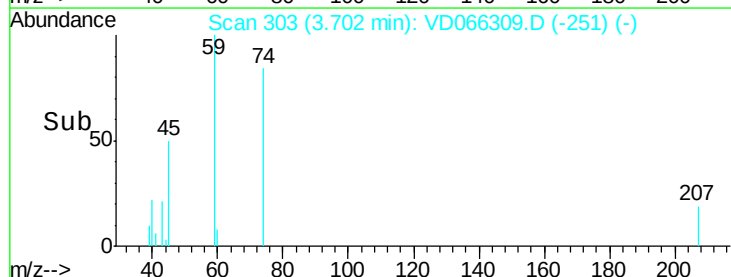
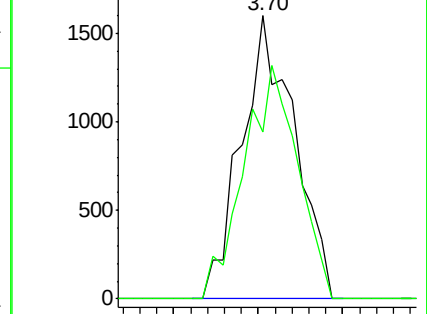
74 100

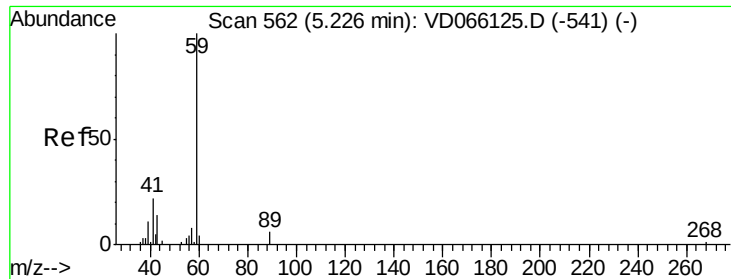
45 83.5 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



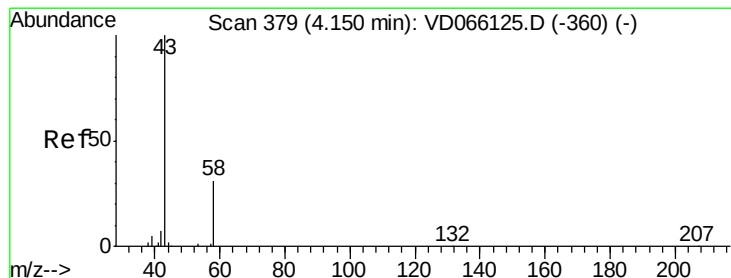
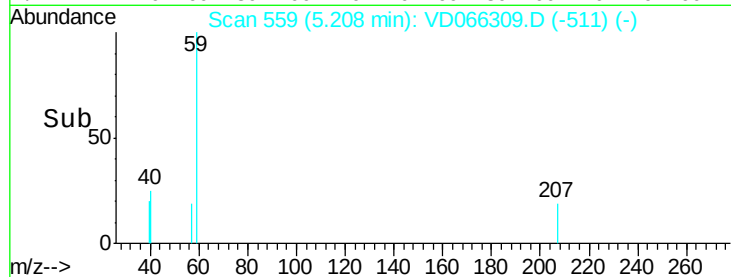
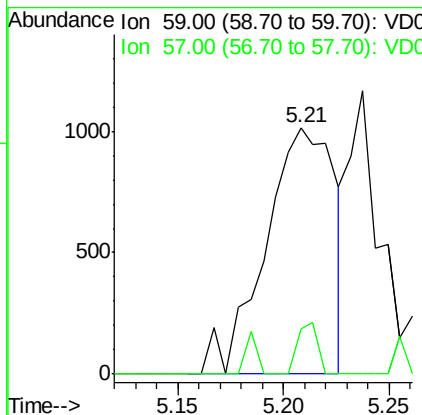
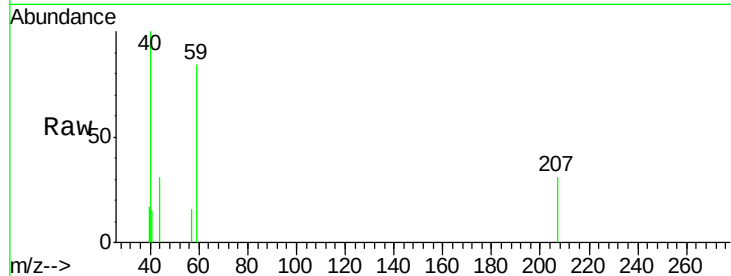


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD066309.D
 Acq: 19 Aug 2020 07:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-25203

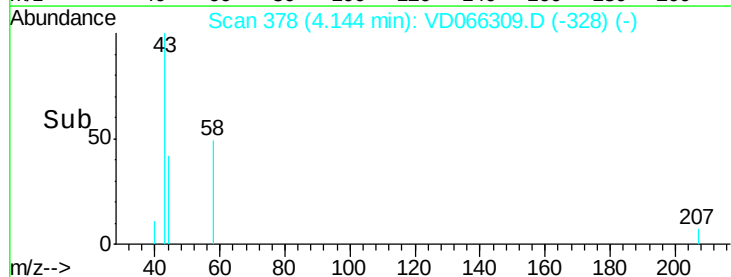
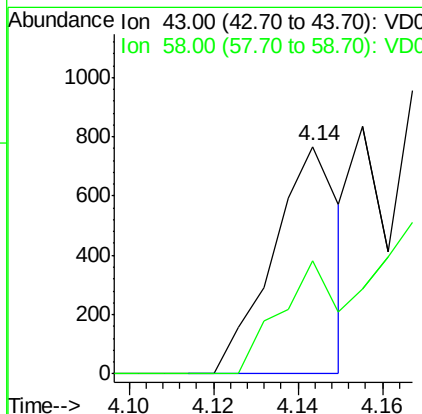
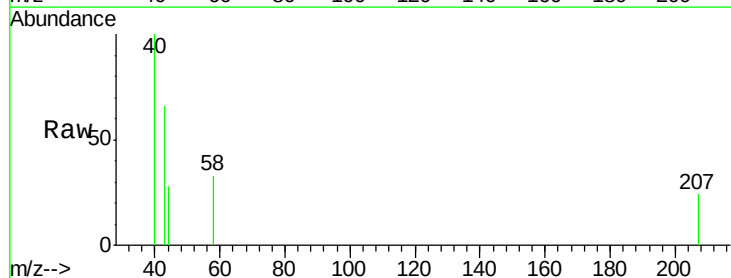
Tgt Ion: 59 Resp: 2314
 Ion Ratio Lower Upper
 59 100
 57 6.2 7.0 10.4#

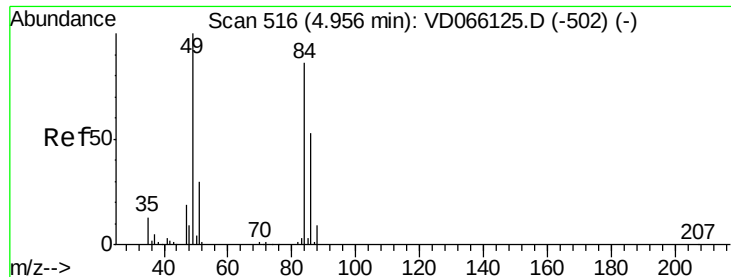


#16

Acetone
 Concen: 2.775 ug/l
 RT: 4.14 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VD066309.D
 Acq: 19 Aug 2020 07:39

Tgt Ion: 43 Resp: 840
 Ion Ratio Lower Upper
 43 100
 58 49.5 24.7 37.1#

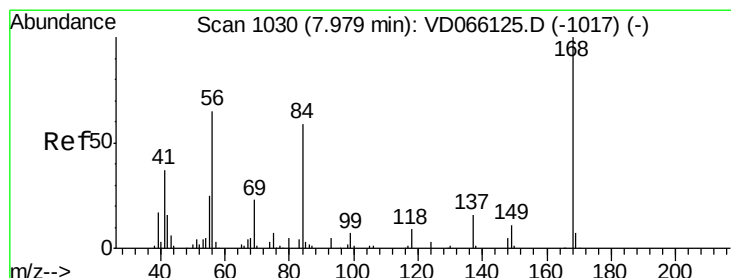
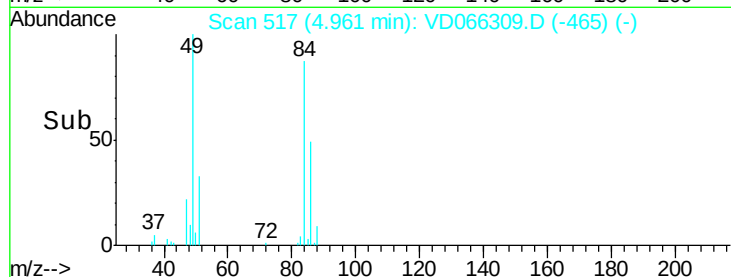
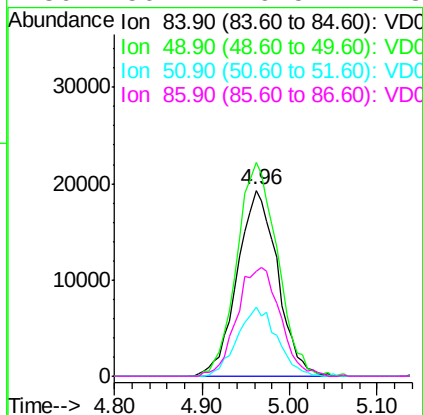
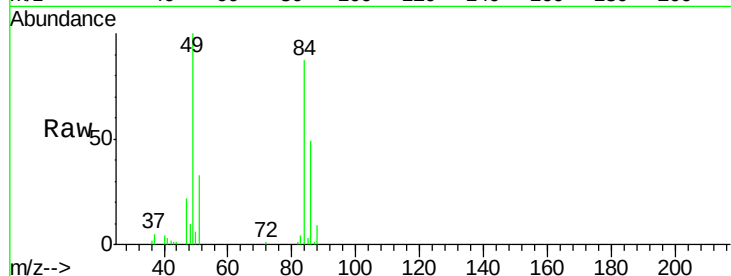




#20
Methylene Chloride
Concen: 33.219 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066309.D
Acq: 19 Aug 2020 07:39

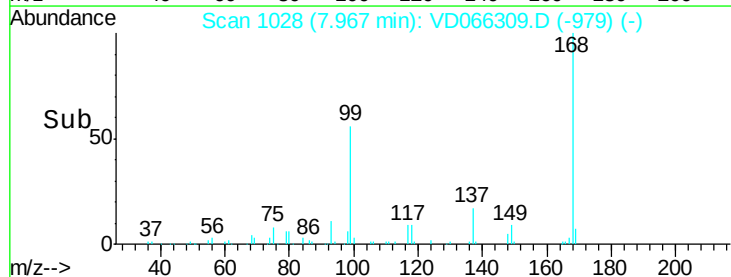
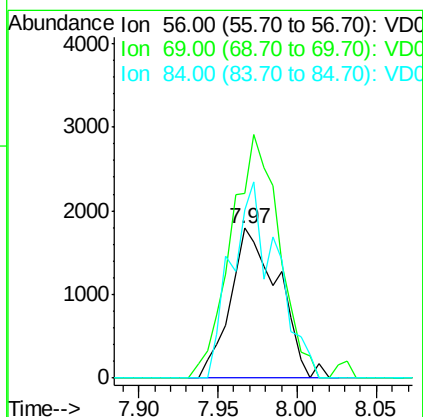
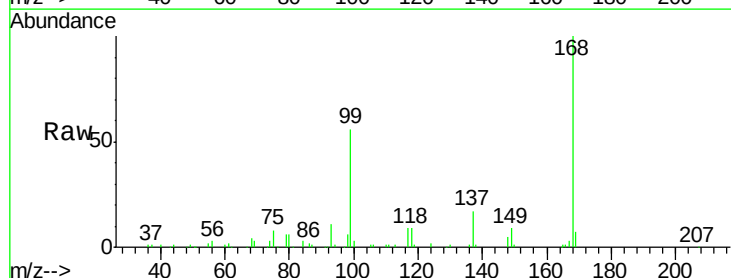
Instrument :
MSVOA_D
ClientSampleId :
VB-25203

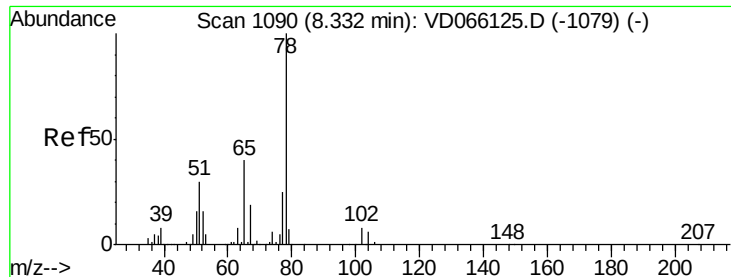
Tgt Ion:	84	Resp:	60465
Ion	Ratio	Lower	Upper
84	100		
49	114.8	93.5	140.3
51	37.3	28.2	42.4
86	56.7	49.5	74.3



#31
Cyclohexane
Concen: 1.355 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066309.D
Acq: 19 Aug 2020 07:39

Tgt Ion:	56	Resp:	3787
Ion	Ratio	Lower	Upper
56	100		
69	123.7	28.8	43.2#
84	112.3	73.0	109.6#

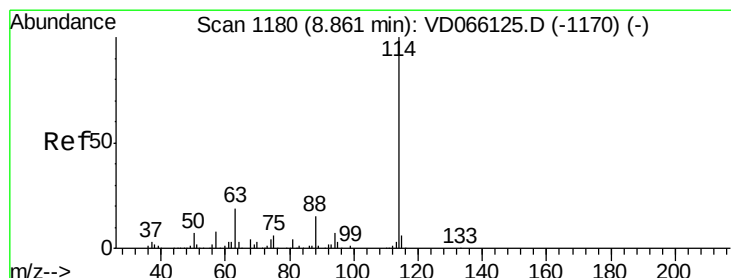
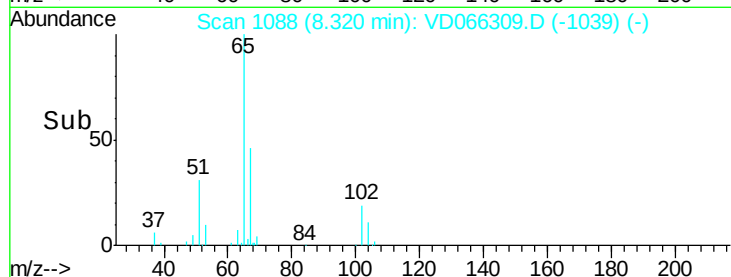
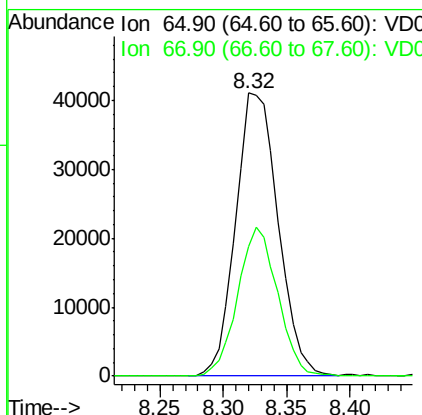
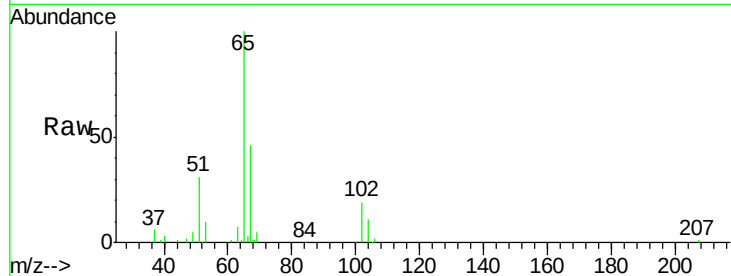




#33
 1,2-Dichloroethane-d4
 Concen: 59.939 ug/l
 RT: 8.32 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VD066309.D
 Acq: 19 Aug 2020 07:39

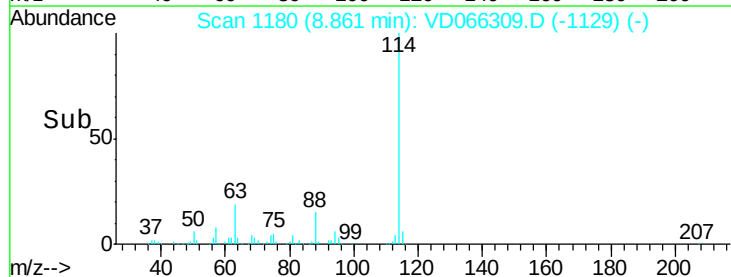
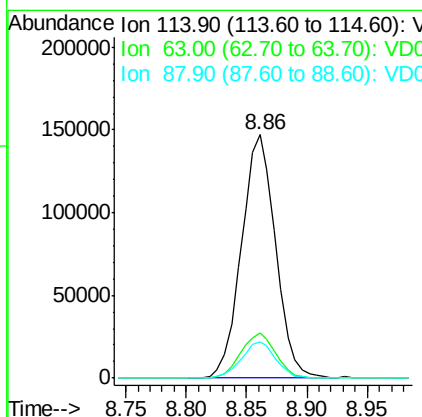
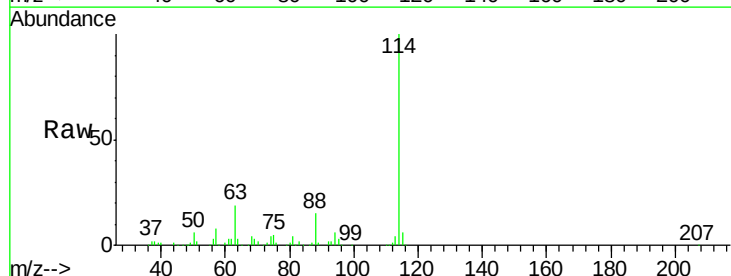
Instrument :
 MSVOA_D
 ClientSampleId :
 VB-25203

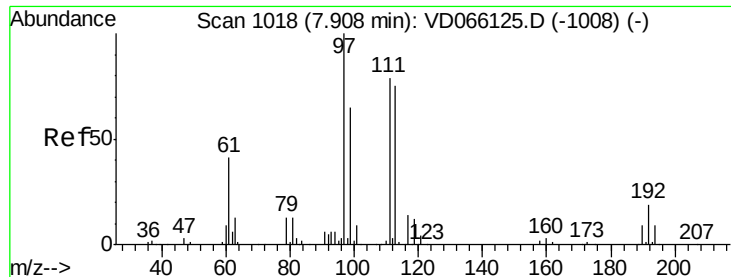
Tgt Ion: 65 Resp: 95614
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066309.D
 Acq: 19 Aug 2020 07:39

Tgt Ion: 114 Resp: 290431
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.6
 88 15.1 0.0 30.0

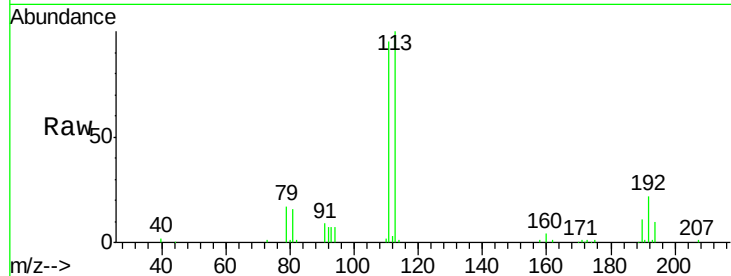




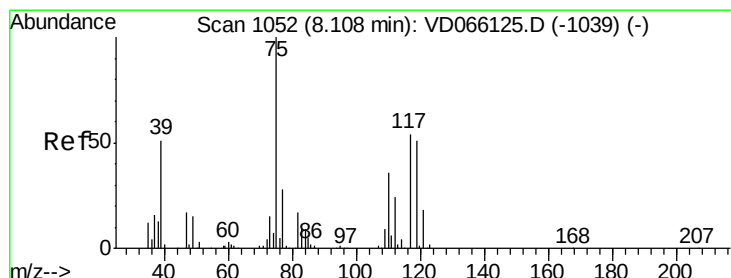
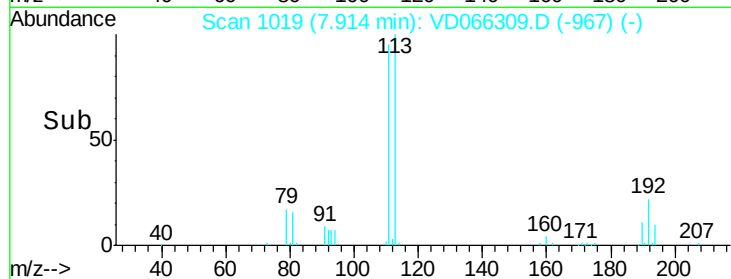
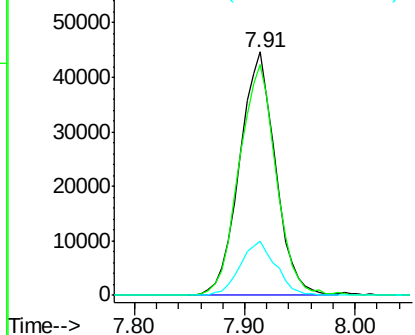
#35
 Dibromofluoromethane
 Concen: 55.479 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066309.D
 Acq: 19 Aug 2020 07:39

Instrument :
 MSVOA_D
 ClientSampleID :
 VB-25203

Tgt Ion:113 Resp: 102074
 Ion Ratio Lower Upper
 113 100
 111 97.3 80.7 121.1
 192 22.0 18.4 27.6

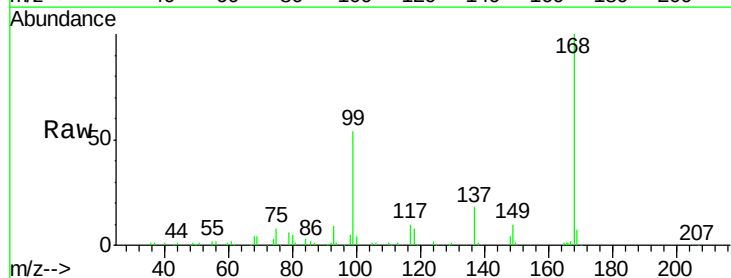


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

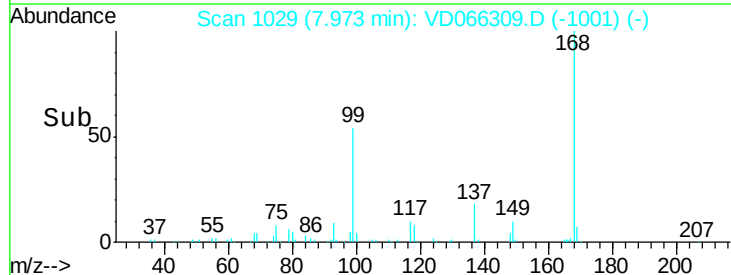
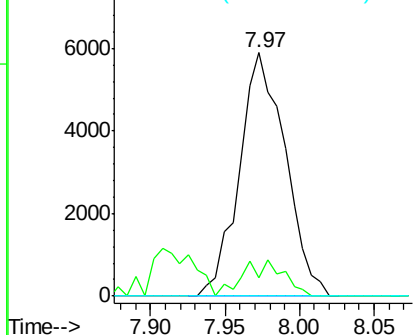


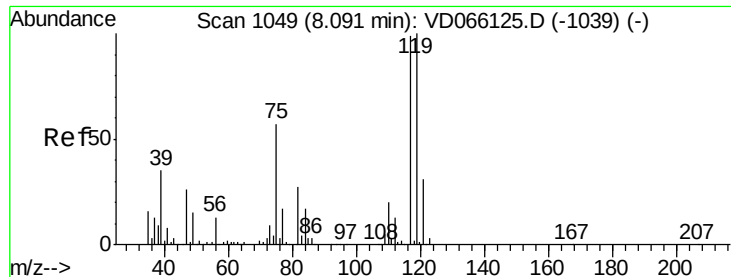
#36
 1,1-Dichloropropene
 Concen: 4.613 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066309.D
 Acq: 19 Aug 2020 07:39

Tgt Ion: 75 Resp: 12590
 Ion Ratio Lower Upper
 75 100
 110 6.1 18.8 56.3#
 77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

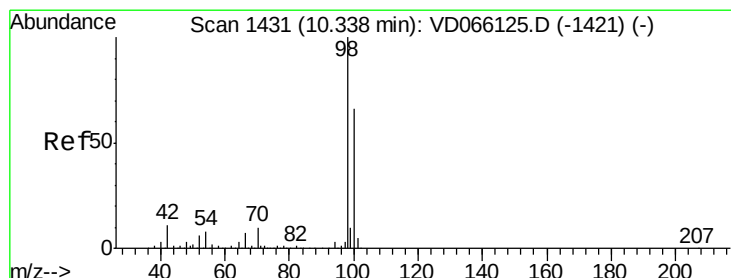
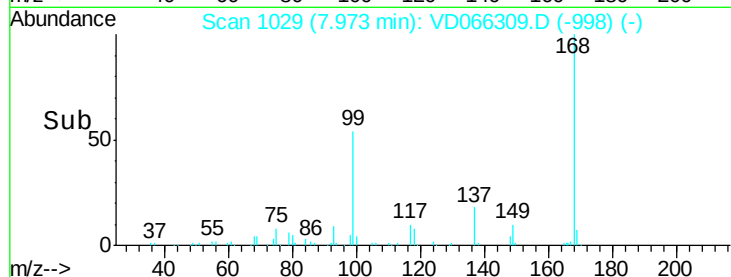
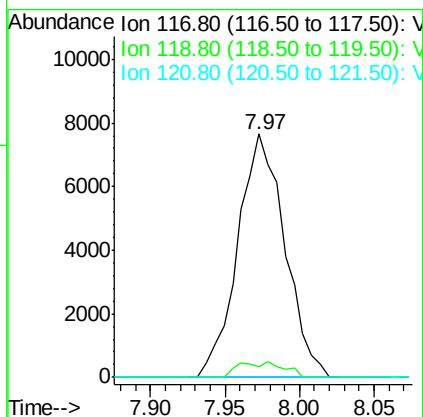
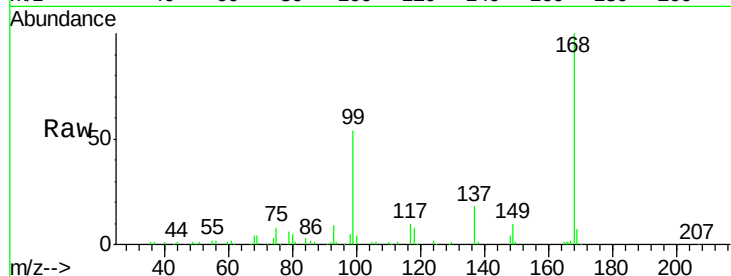




#38
Carbon Tetrachloride
Concen: 5.501 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066309.D
Acq: 19 Aug 2020 07:39

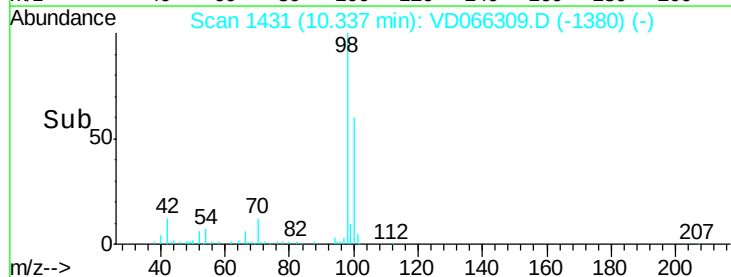
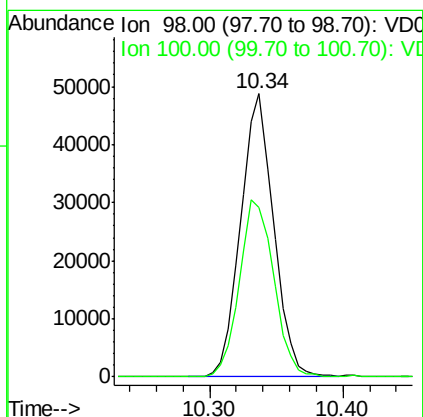
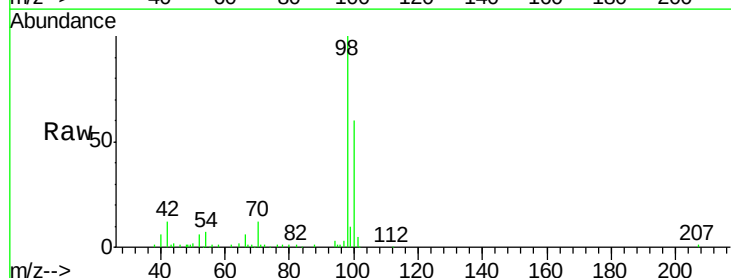
Instrument :
MSVOA_D
ClientSampleId :
VB-25203

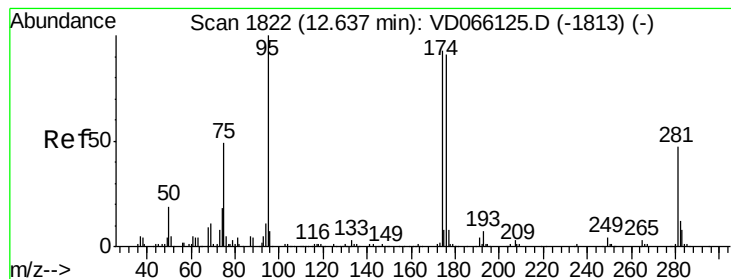
Tgt Ion: 117 Resp: 16743
Ion Ratio Lower Upper
117 100
119 4.4 81.0 121.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 12.270 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066309.D
Acq: 19 Aug 2020 07:39

Tgt Ion: 98 Resp: 83310
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 21.007 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066309.D

Acq: 19 Aug 2020 07:39

Instrument :

MSVOA_D

ClientSampleId :

VB-25203

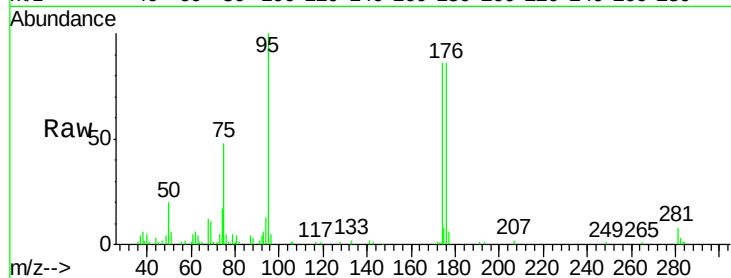
Tgt Ion: 95 Resp: 51412

Ion Ratio Lower Upper

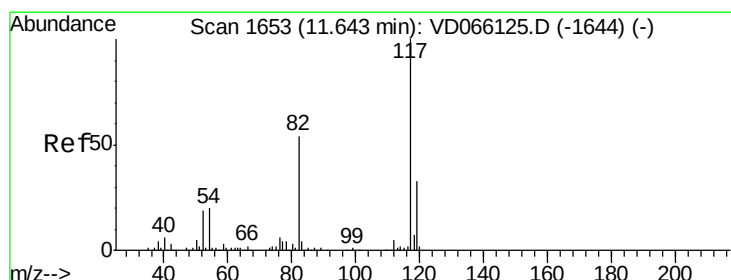
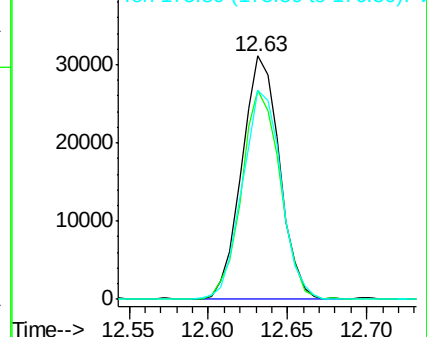
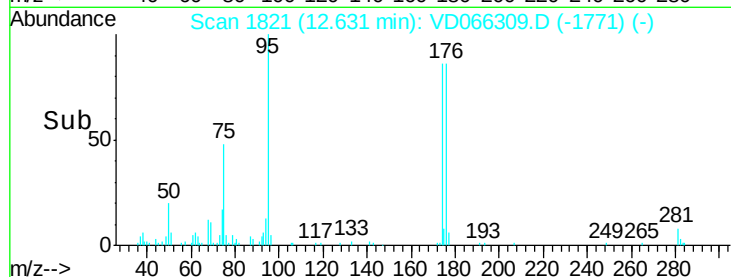
95 100

174 87.8 0.0 180.8

176 88.2 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VD066309.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066309.D

Acq: 19 Aug 2020 07:39

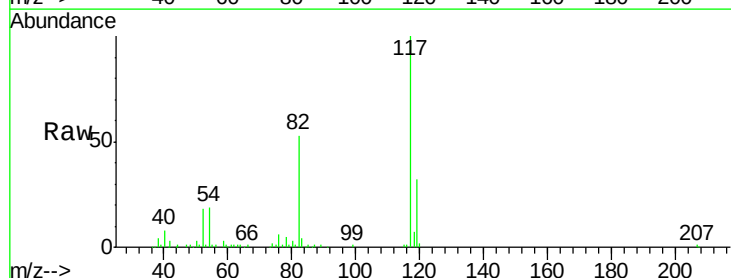
Tgt Ion: 117 Resp: 97958

Ion Ratio Lower Upper

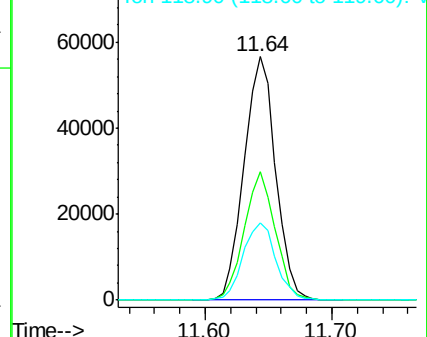
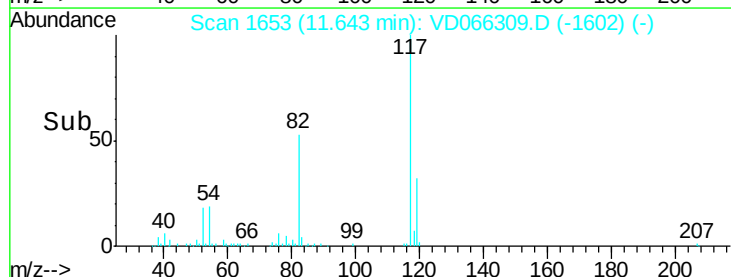
117 100

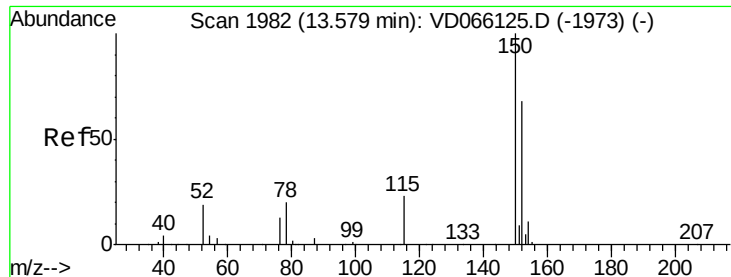
82 52.5 43.0 64.4

119 31.7 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VD066309.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: VD066309.D

Acq: 19 Aug 2020 07:39

Instrument :

MSVOA_D

ClientSampleId :

VB-25203

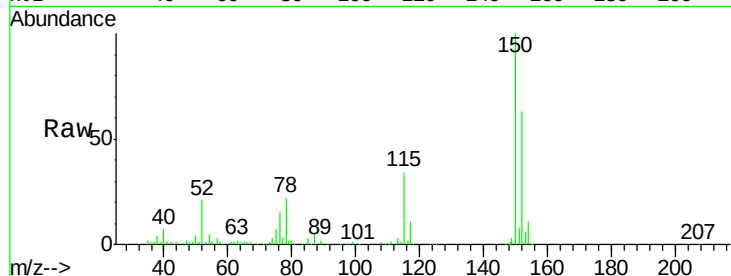
Tgt Ion:152 Resp: 67874

Ion Ratio Lower Upper

152 100

115 58.4 28.0 83.9

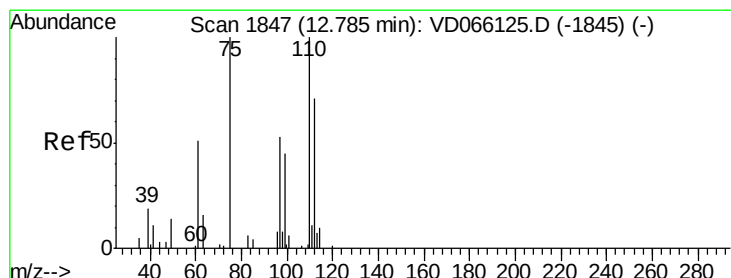
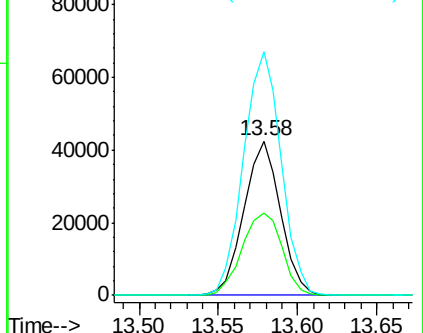
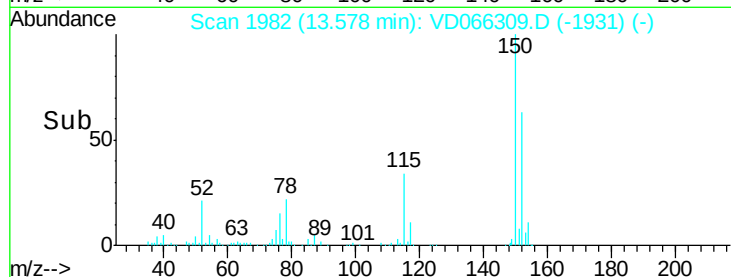
150 162.9 0.0 346.4



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: 45.292 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066309.D

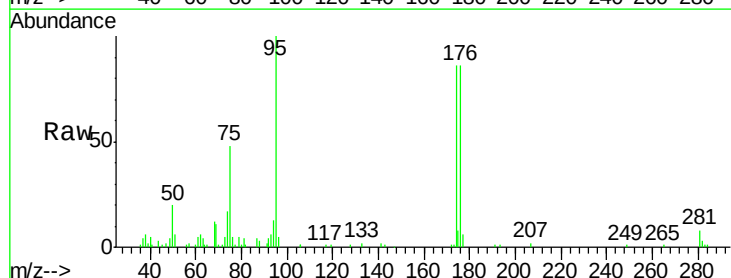
Acq: 19 Aug 2020 07:39

Tgt Ion: 75 Resp: 25636

Ion Ratio Lower Upper

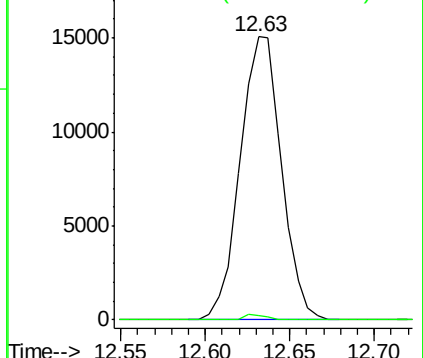
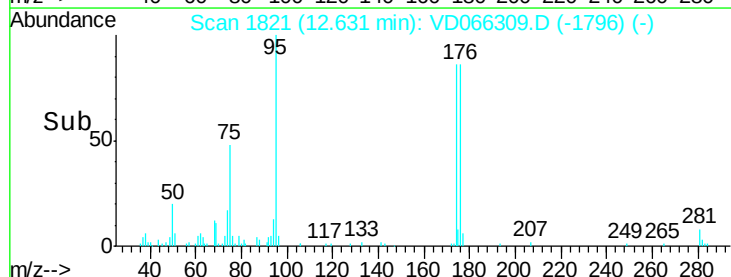
75 100

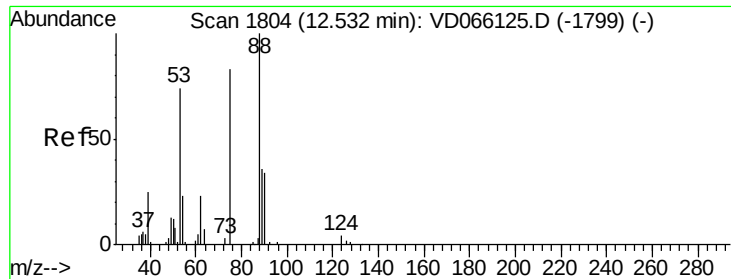
77 0.9 0.0 0.0#



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: 100.120 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066309.D

Acq: 19 Aug 2020 07:39

Instrument :

MSVOA_D

ClientSampleId :

VB-25203

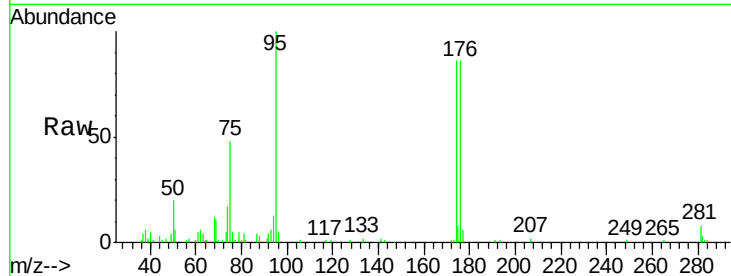
Tgt Ion: 75 Resp: 25636

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

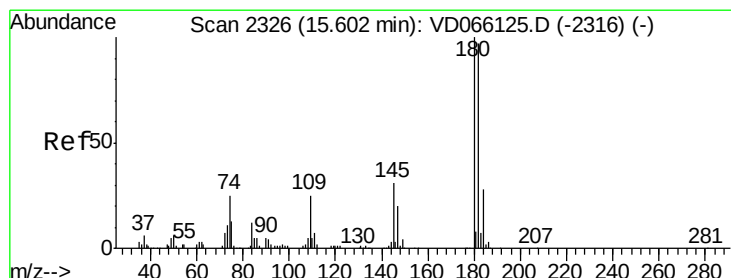
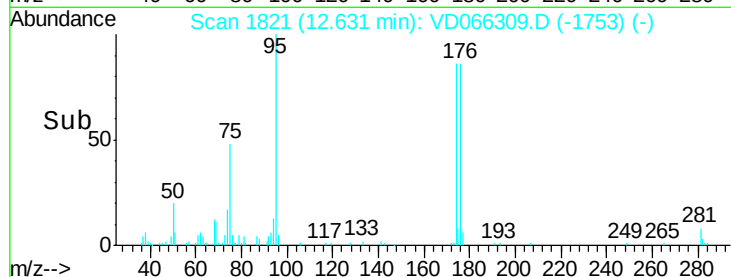
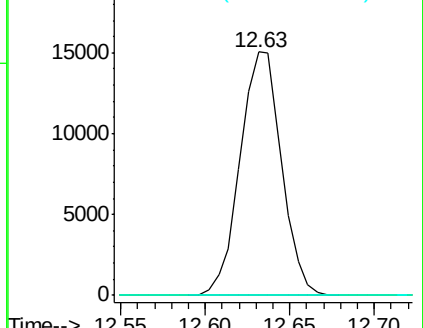
89 0.0 36.6 55.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.786 ug/l

RT: 15.63 min Scan# 2330

Delta R.T. 0.02 min

Lab File: VD066309.D

Acq: 19 Aug 2020 07:39

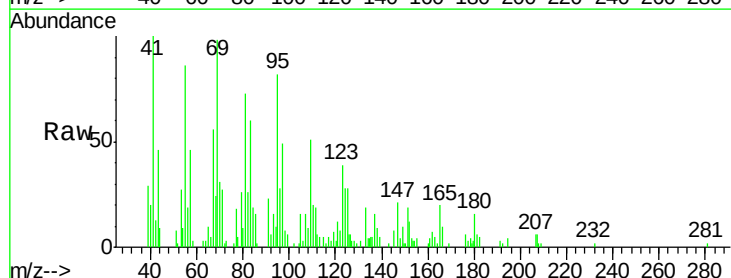
Tgt Ion: 180 Resp: 2252

Ion Ratio Lower Upper

180 100

182 46.7 47.1 141.4#

145 0.0 14.9 44.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

