

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066247.D
 Acq On : 14 Aug 2020 20:08
 Operator : VA/SY
 Sample : L3679-07RE
 Misc : 8.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816

Quant Time: Aug 17 08:48:40 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	301523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	459191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	573227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329249	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	113444	42.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.34%	
35) Dibromofluoromethane	7.91	113	137846	47.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.78%	
50) Toluene-d8	10.34	98	572156	53.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.63	95	293189	75.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	151.54%	

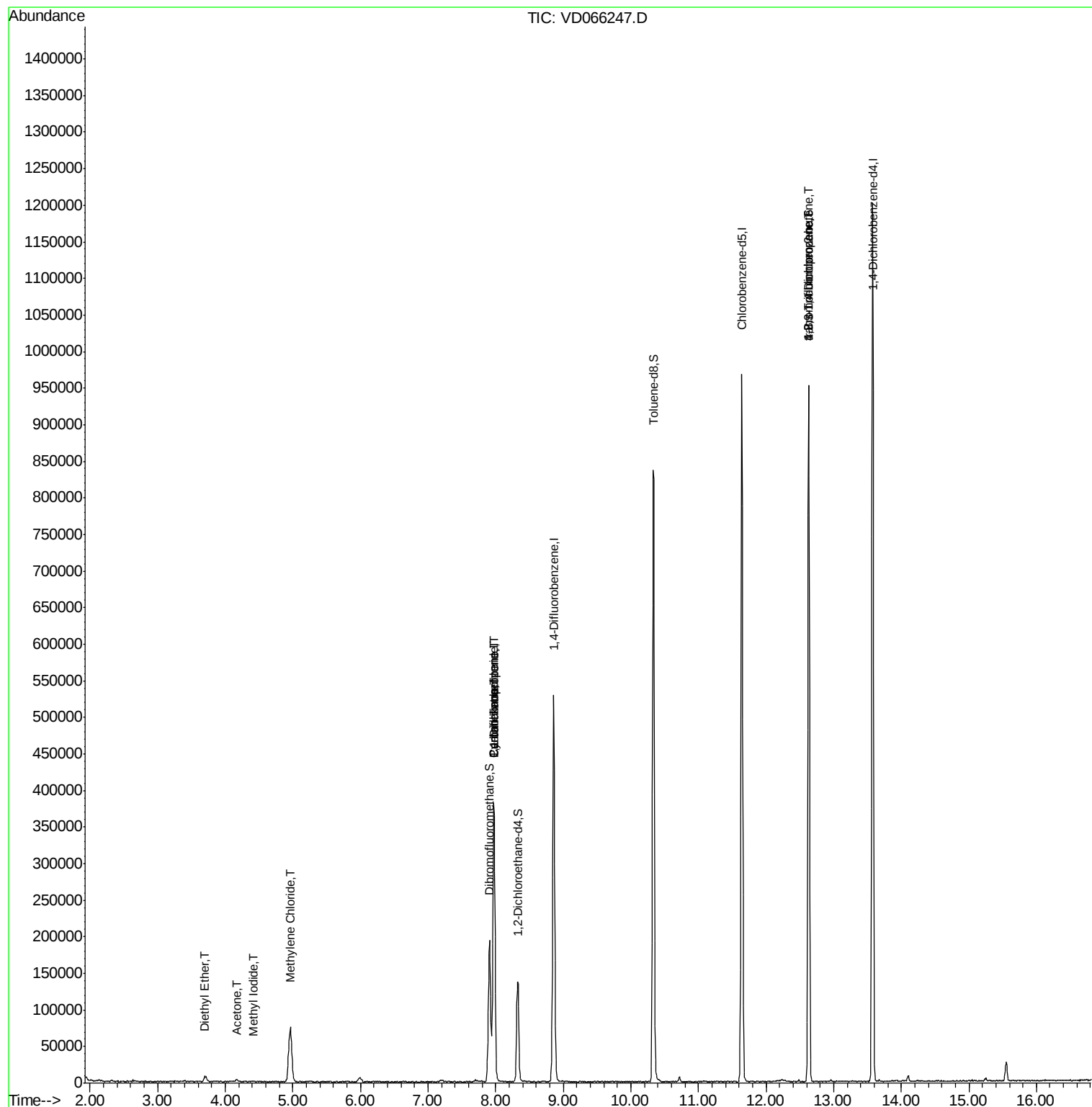
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	3881	2.884	ug/l	98
10) Methyl Iodide	4.41	142	61	6.732	ug/l #	39
11) Tert butyl alcohol	5.21	59	407	Below Cal	#	76
16) Acetone	4.17	43	4449	8.716	ug/l	95
20) Methylene Chloride	4.96	84	60571	17.645	ug/l	96
31) Cyclohexane	7.97	56	5691	1.208	ug/l #	36
36) 1,1-Dichloropropene	7.98	75	20687	4.794	ug/l #	51
38) Carbon Tetrachloride	7.97	117	27782	5.774	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	143191	52.151	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	143191	115.283	ug/l #	13

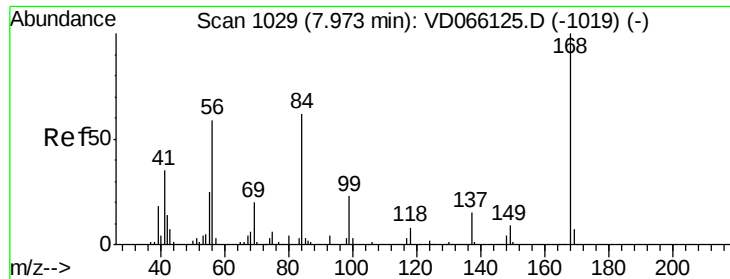
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066247.D

Acq: 14 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

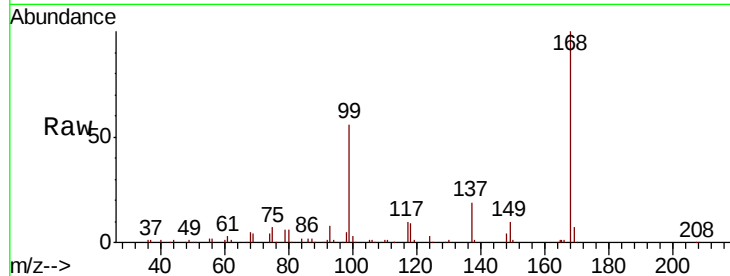
VD0816

Tot Ion:168 Resp: 301523

Ion Ratio Lower Upper

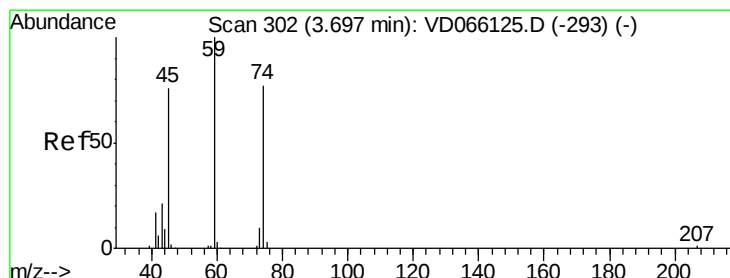
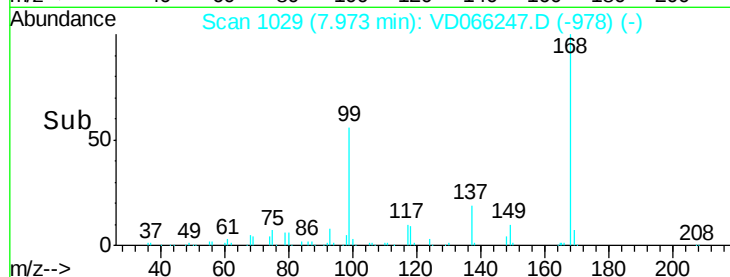
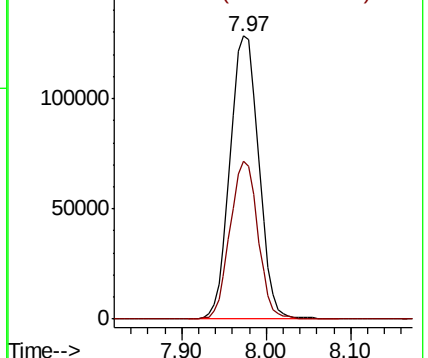
168 100

99 55.8 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: 2.884 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066247.D

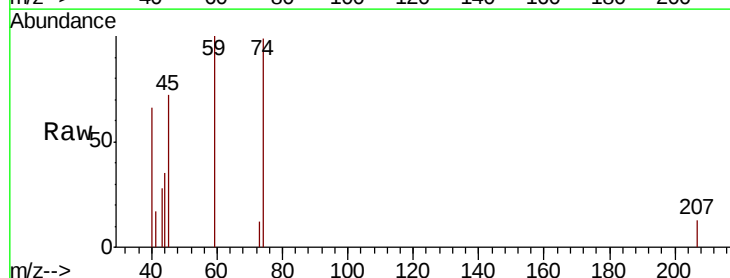
Acq: 14 Aug 2020 20:08

Tgt Ion: 74 Resp: 3881

Ion Ratio Lower Upper

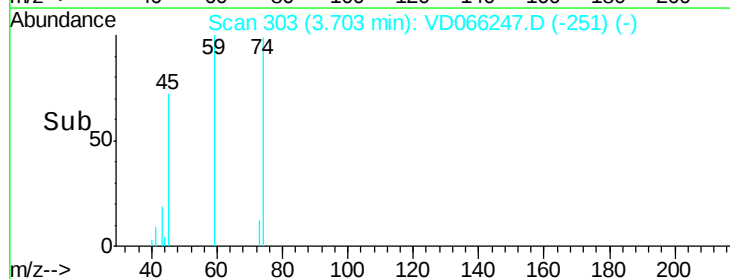
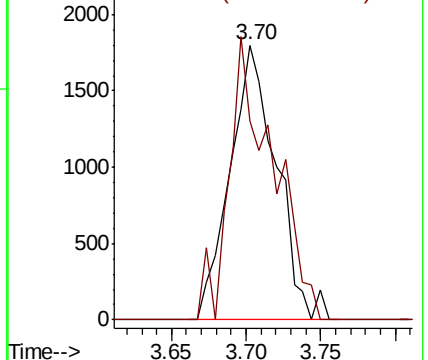
74 100

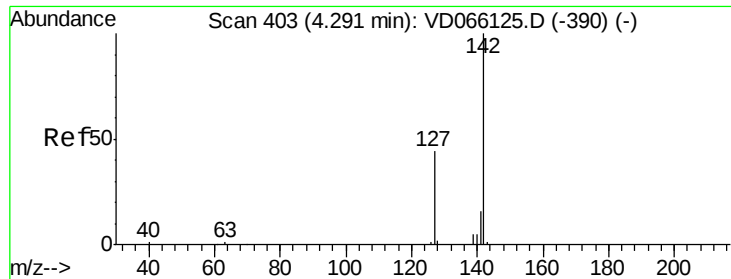
45 98.5 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#10

Methyl Iodide

Concen: 6.732 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.12 min

Lab File: VD066247.D

Acq: 14 Aug 2020 20:08

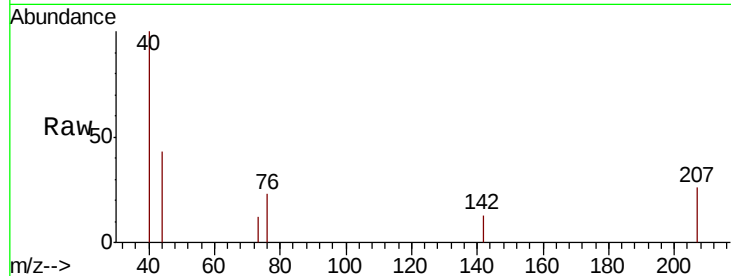
Instrument :

MSVOA_D

ClientSampleId :

VD0816

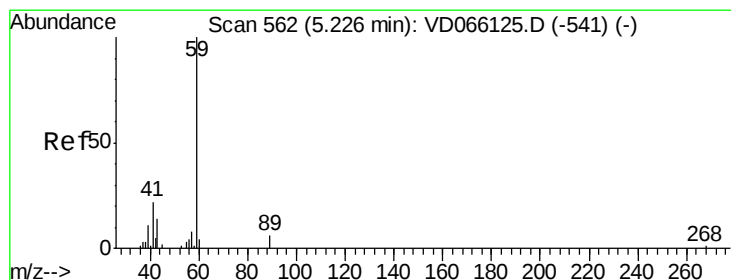
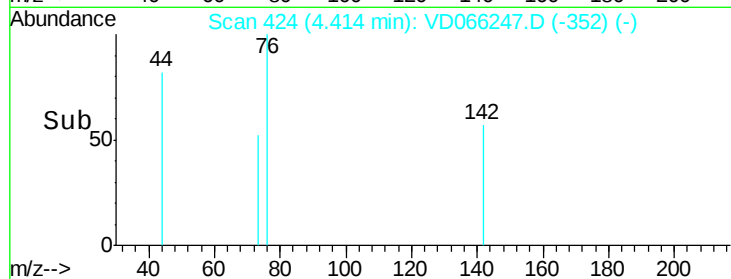
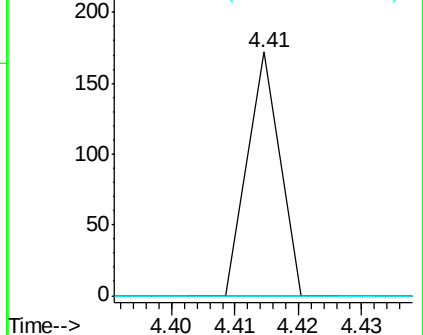
Tot Ion:	142	Resp:	61
Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.2	54.4#
141	0.0	12.6	18.8#



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



#11

Tert butyl alcohol

Concen: Below Cal

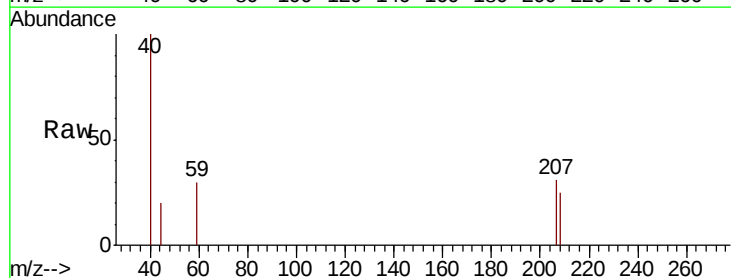
RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066247.D

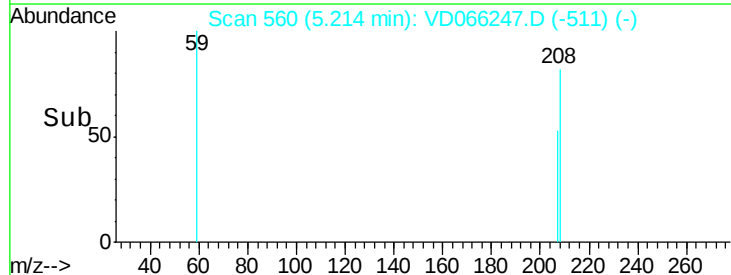
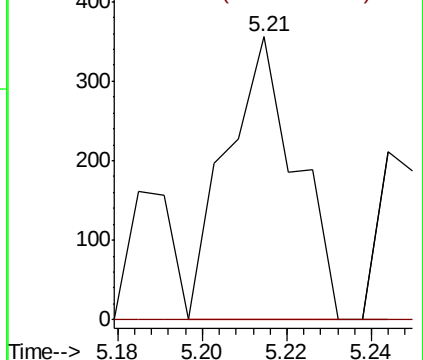
Acq: 14 Aug 2020 20:08

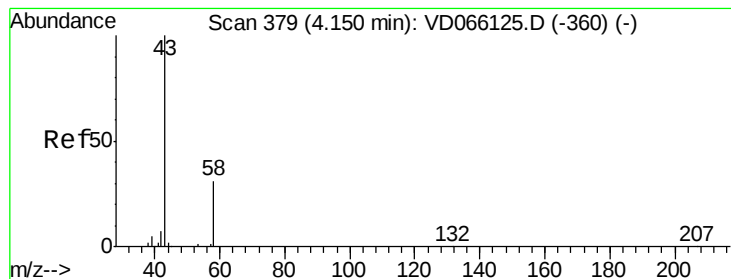
Tgt Ion:	59	Resp:	407
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 8.716 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066247.D

Acq: 14 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

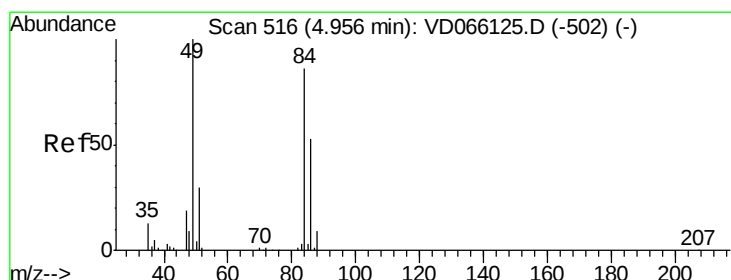
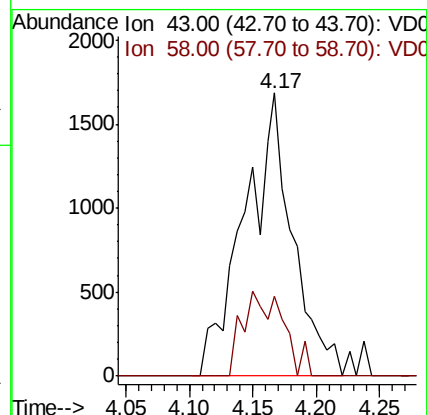
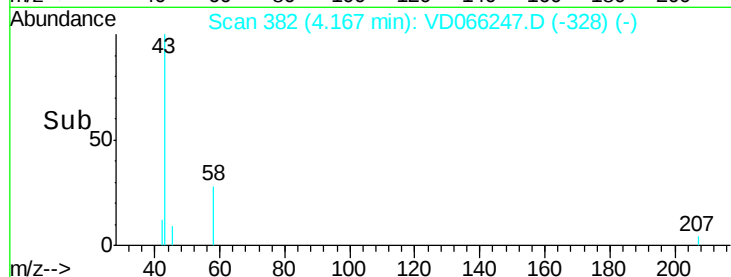
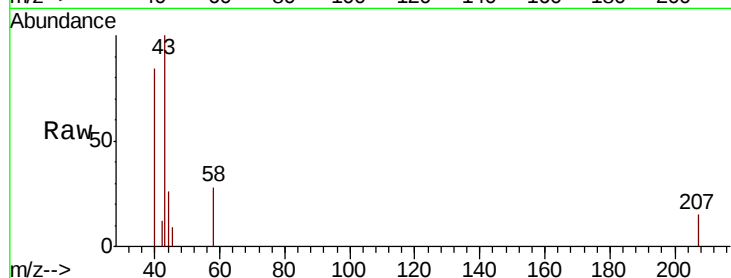
VD0816

Tot Ion: 43 Resp: 4449

Ion Ratio Lower Upper

43 100

58 28.2 24.7 37.1



#20

Methylene Chloride

Concen: 17.645 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066247.D

Acq: 14 Aug 2020 20:08

Tgt Ion: 84 Resp: 60571

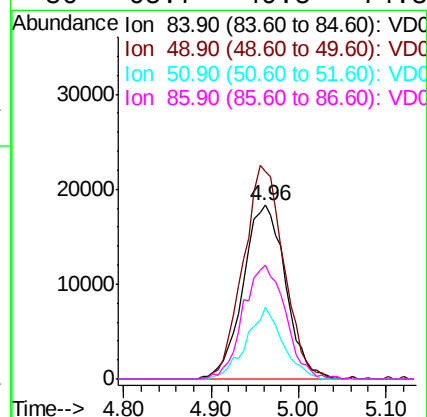
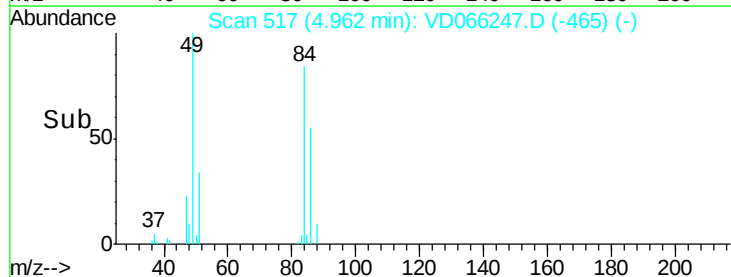
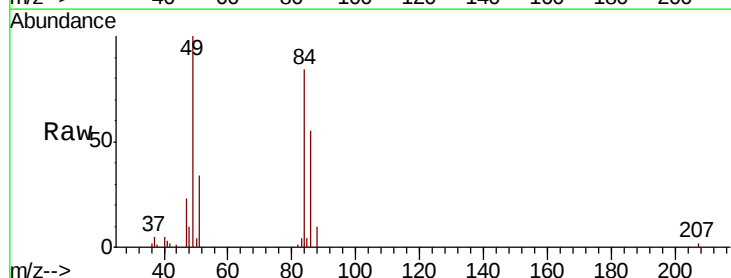
Ion Ratio Lower Upper

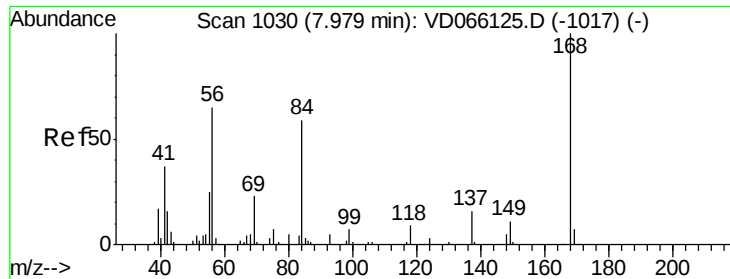
84 100

49 119.6 93.5 140.3

51 41.1 28.2 42.4

86 65.7 49.5 74.3

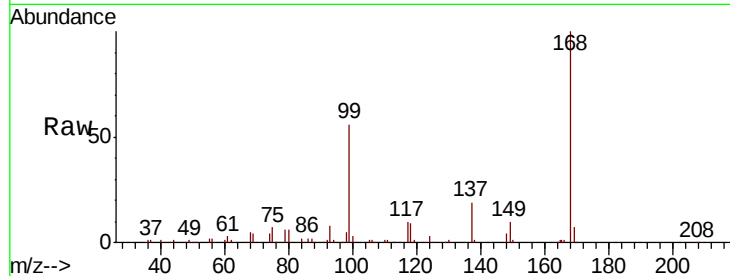




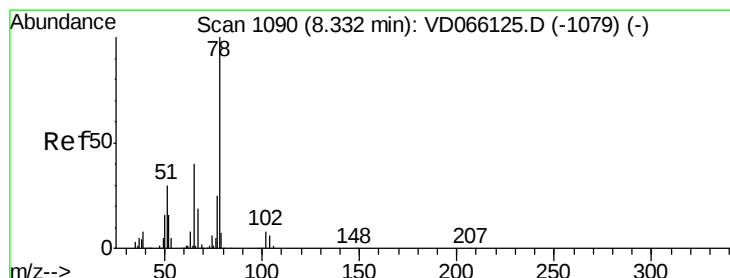
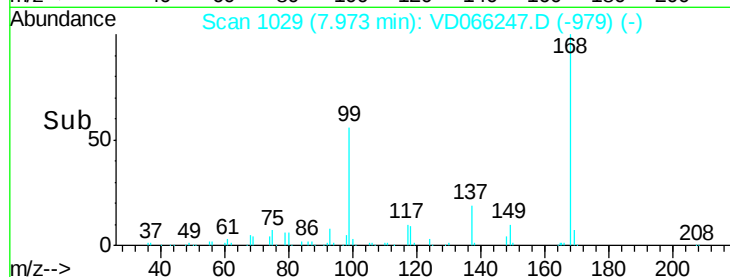
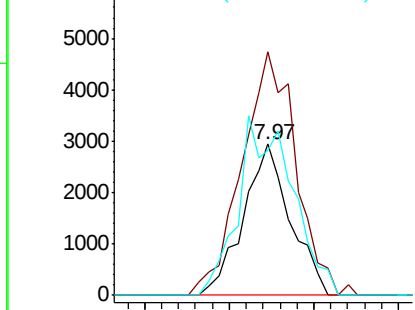
#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066247.D
Acq: 14 Aug 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :
VD0816

Tot Ion	56	Resp	5691
Ion	Ratio	Lower	Upper
56	100		
69	161.2	28.8	43.2#
84	96.4	73.0	109.6

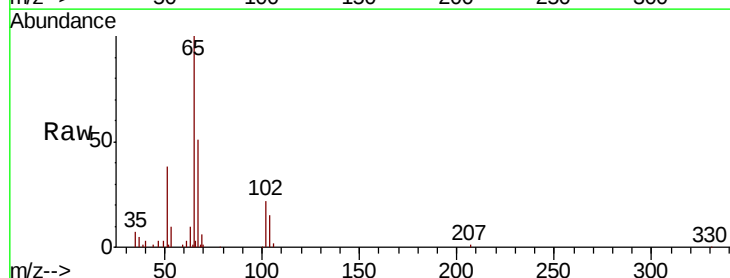


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

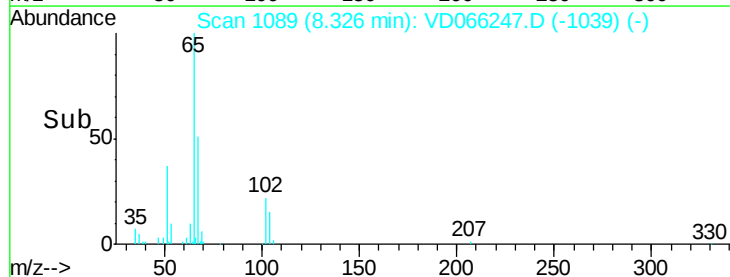
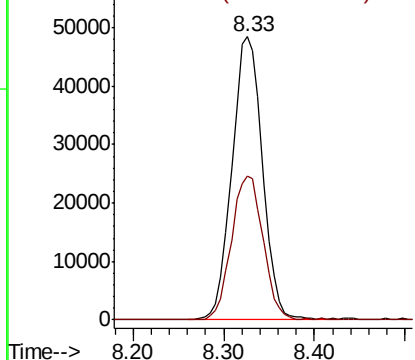


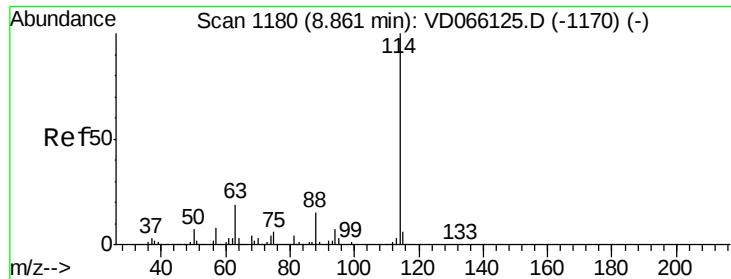
#33
1,2-Dichloroethane-d4
Concen: 42.172 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066247.D
Acq: 14 Aug 2020 20:08

Tgt Ion	65	Resp	113444
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.6



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

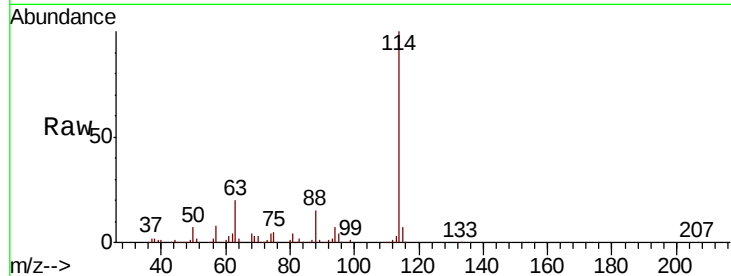




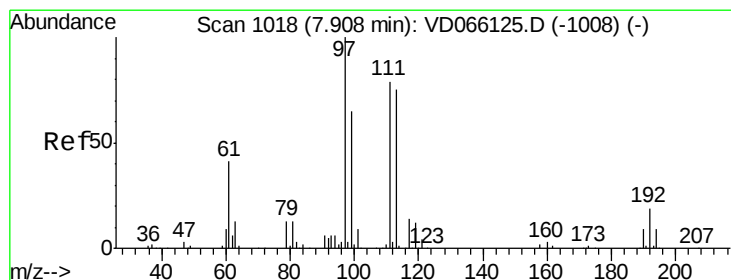
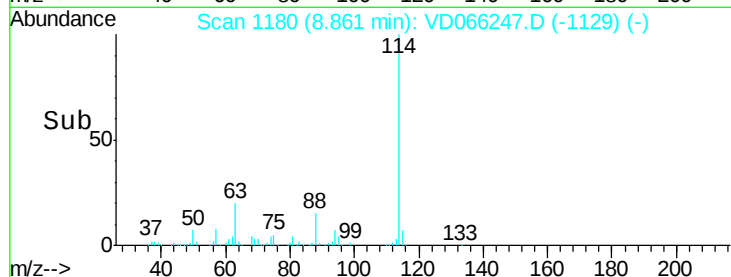
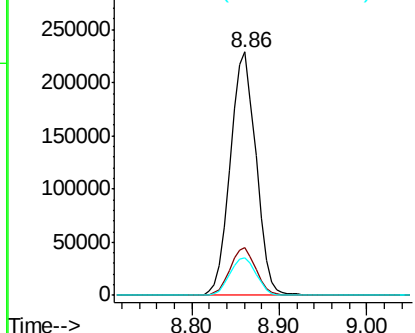
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066247.D
 Acq: 14 Aug 2020 20:08

Instrument :
 MSVOA_D
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 VD0816

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.6
88	15.4	0.0	30.0

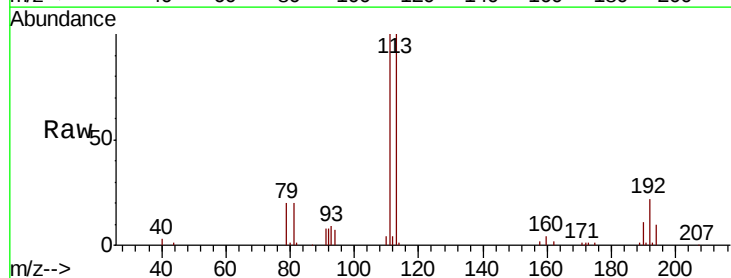


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

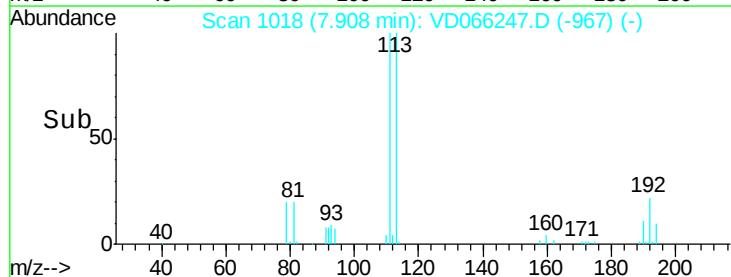
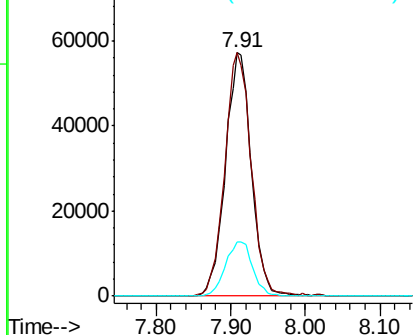


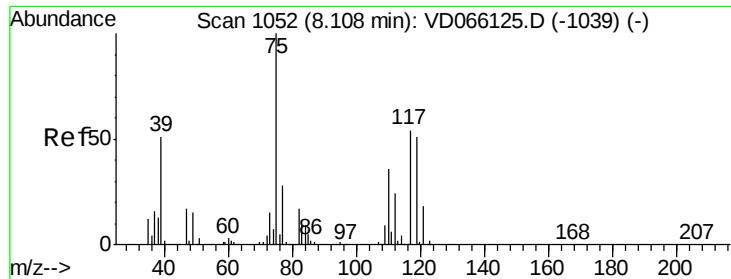
#35
 Dibromofluoromethane
 Concen: 47.387 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066247.D
 Acq: 14 Aug 2020 20:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.7	121.1
192	23.3	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: 4.794 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066247.D

Acq: 14 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VD0816

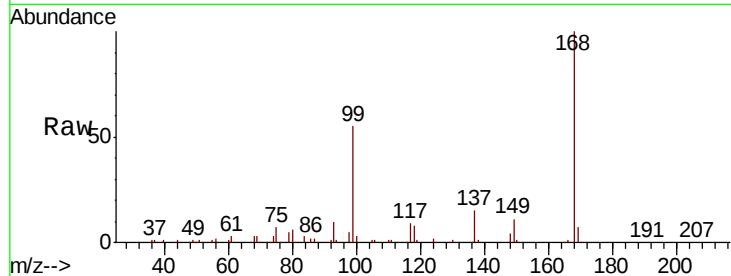
Tot Ion: 75 Resp: 20687

Ion Ratio Lower Upper

75 100

110 10.9 18.8 56.3#

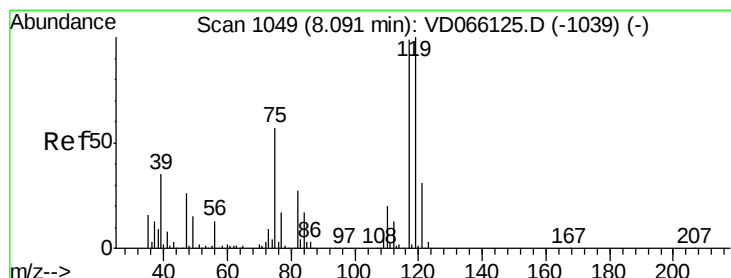
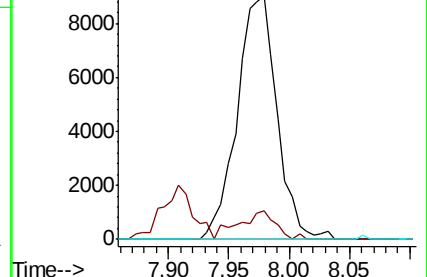
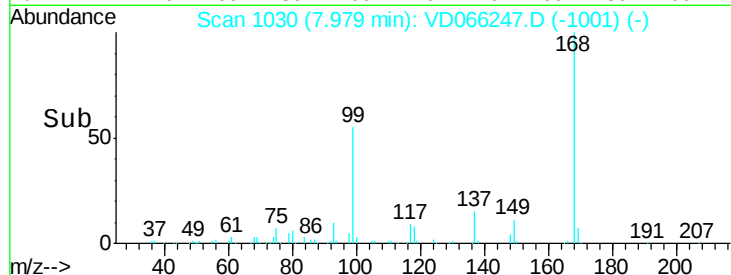
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.774 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066247.D

Acq: 14 Aug 2020 20:08

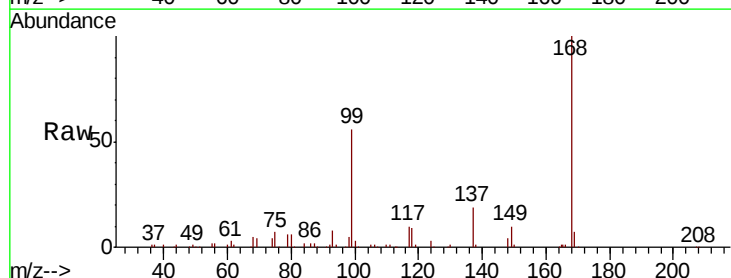
Tgt Ion: 117 Resp: 27782

Ion Ratio Lower Upper

117 100

119 7.5 81.0 121.4#

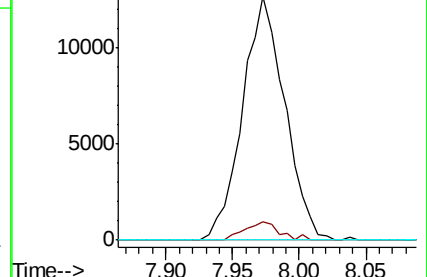
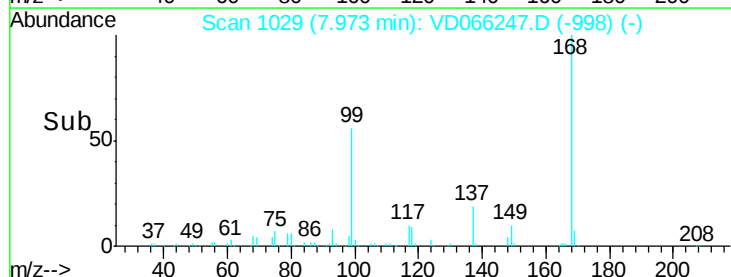
121 0.0 24.8 37.2#

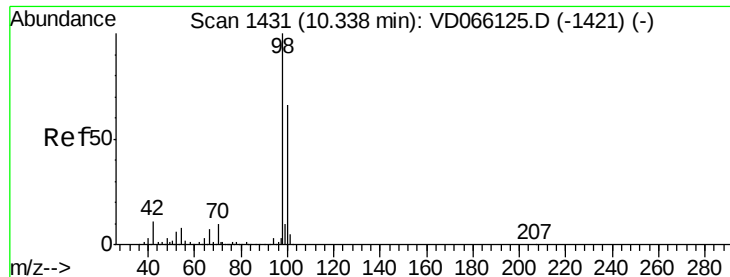


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 53.300 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066247.D

Acq: 14 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

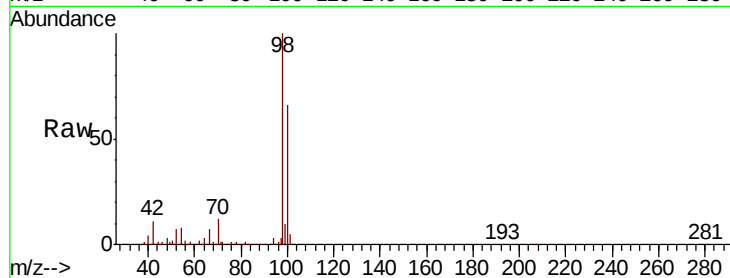
VD0816

Tot Ion: 98 Resp: 572156

Ion Ratio Lower Upper

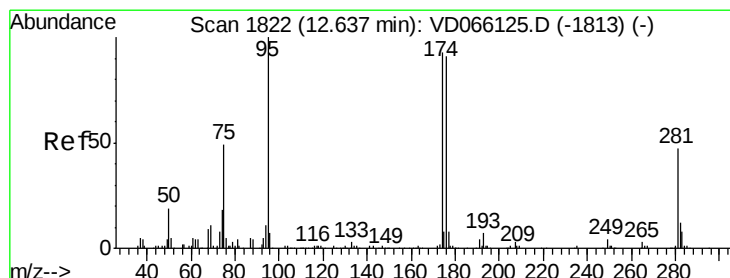
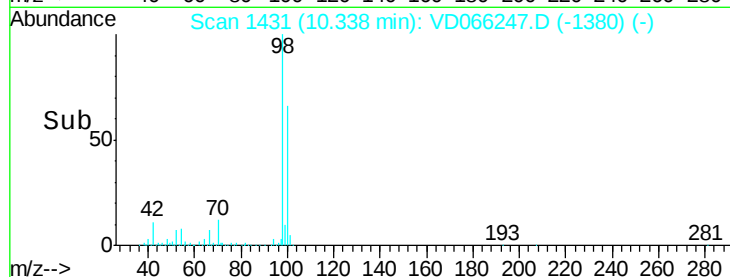
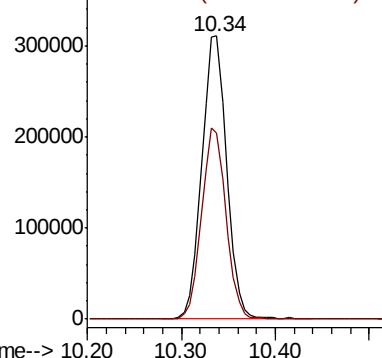
98 100

100 66.2 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: 75.771 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066247.D

Acq: 14 Aug 2020 20:08

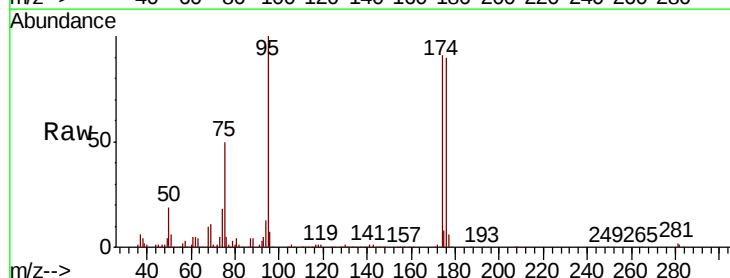
Tgt Ion: 95 Resp: 293189

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.8

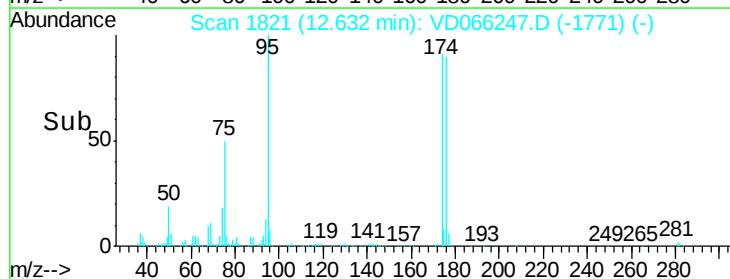
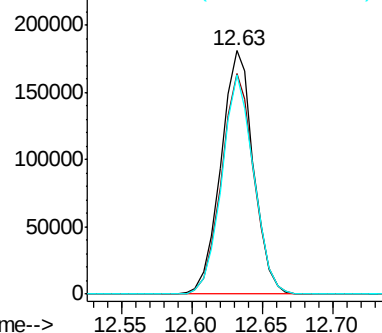
176 88.1 0.0 181.2

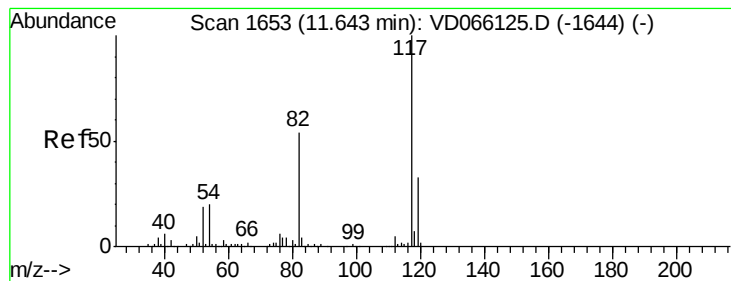


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066247.D

Acq: 14 Aug 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

VD0816

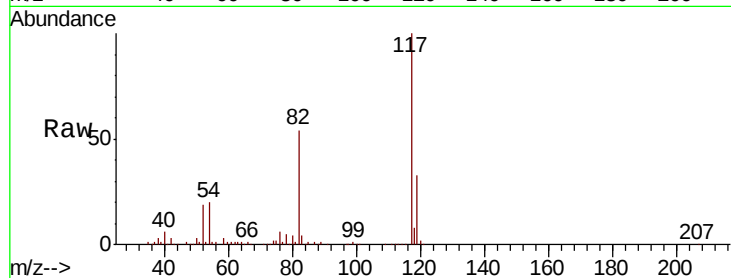
Tot Ion:117 Resp: 573227

Ion Ratio Lower Upper

117 100

82 54.2 43.0 64.4

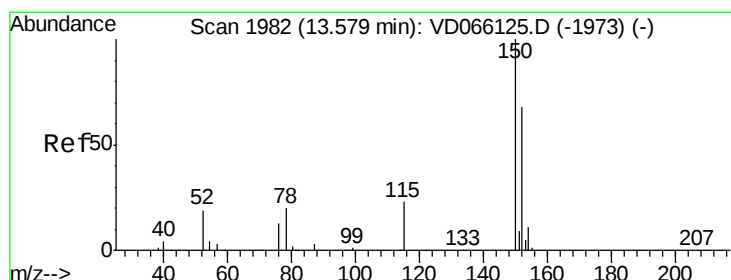
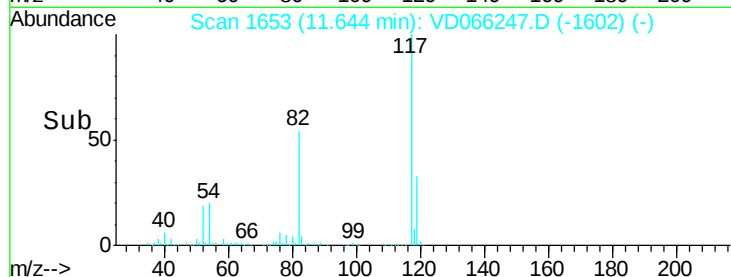
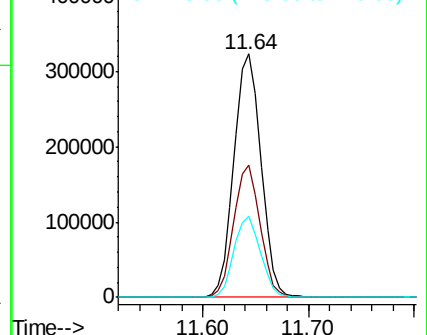
119 33.1 26.1 39.1



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: VD066247.D

Acq: 14 Aug 2020 20:08

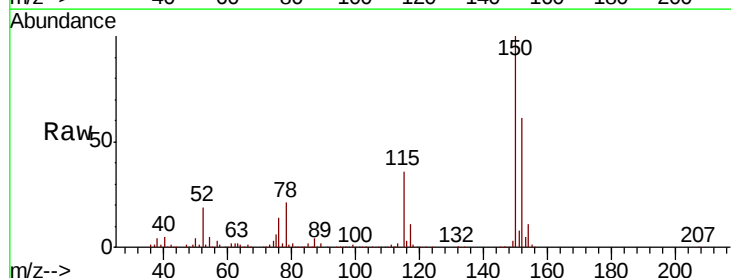
Tgt Ion:152 Resp: 329249

Ion Ratio Lower Upper

152 100

115 56.6 28.0 83.9

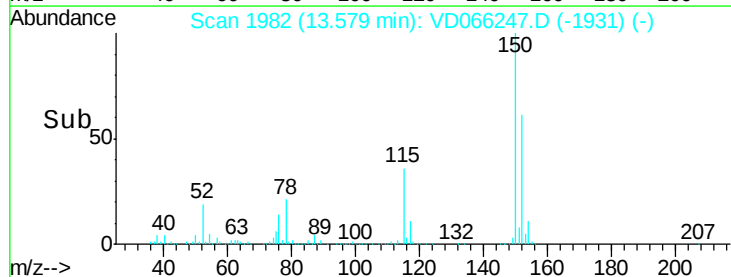
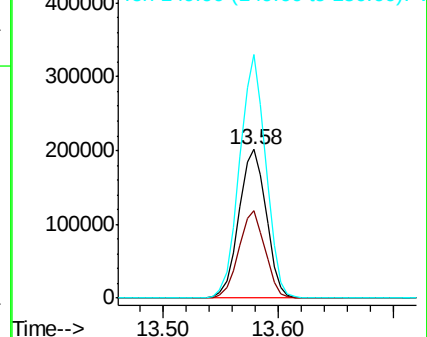
150 157.6 0.0 346.4

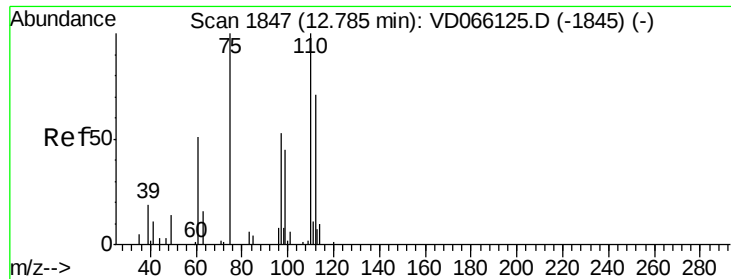


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

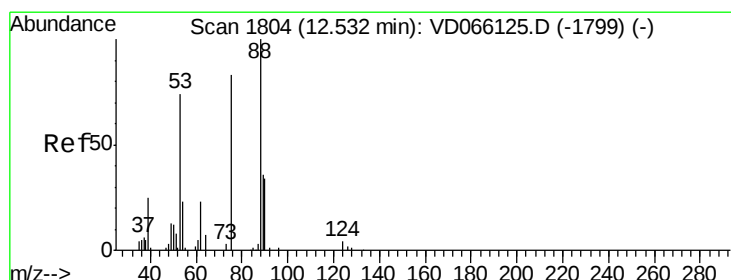
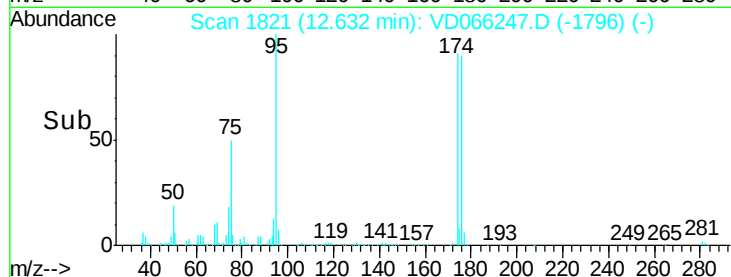
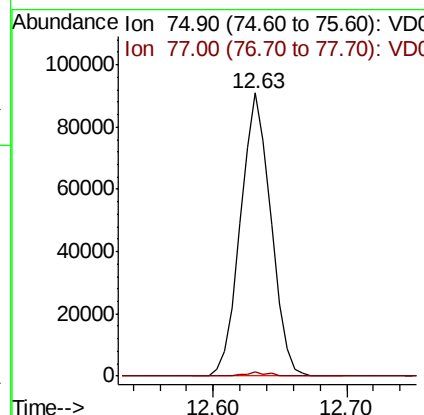
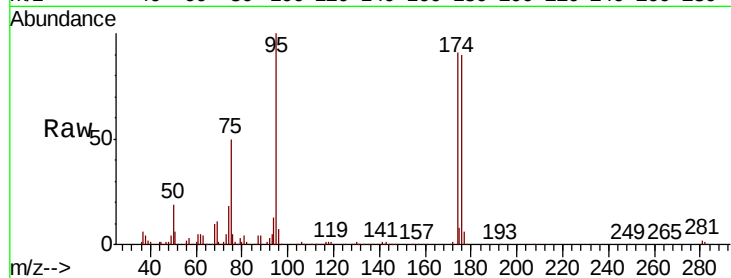




#76
 1,2,3-Trichloropropane
 Concen: 52.151 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066247.D
 Acq: 14 Aug 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0816

Tot Ion: 75 Resp: 143191
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.283 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066247.D
 Acq: 14 Aug 2020 20:08

Tgt Ion: 75 Resp: 143191
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.4 110.2#
 89 0.0 36.6 55.0#

