

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081120\
 Data File : VD066185.D
 Acq On : 11 Aug 2020 14:36
 Operator : VA/SY
 Sample : L3637-07
 Misc : 7.25G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 11 15:15:43 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	266355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	443190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	504939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250864	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	117131	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	7.91	113	138115	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	10.34	98	548889	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.63	95	238782	63.94	ug/l	0.00
Spiked Amount			Recovery	=	127.88%	

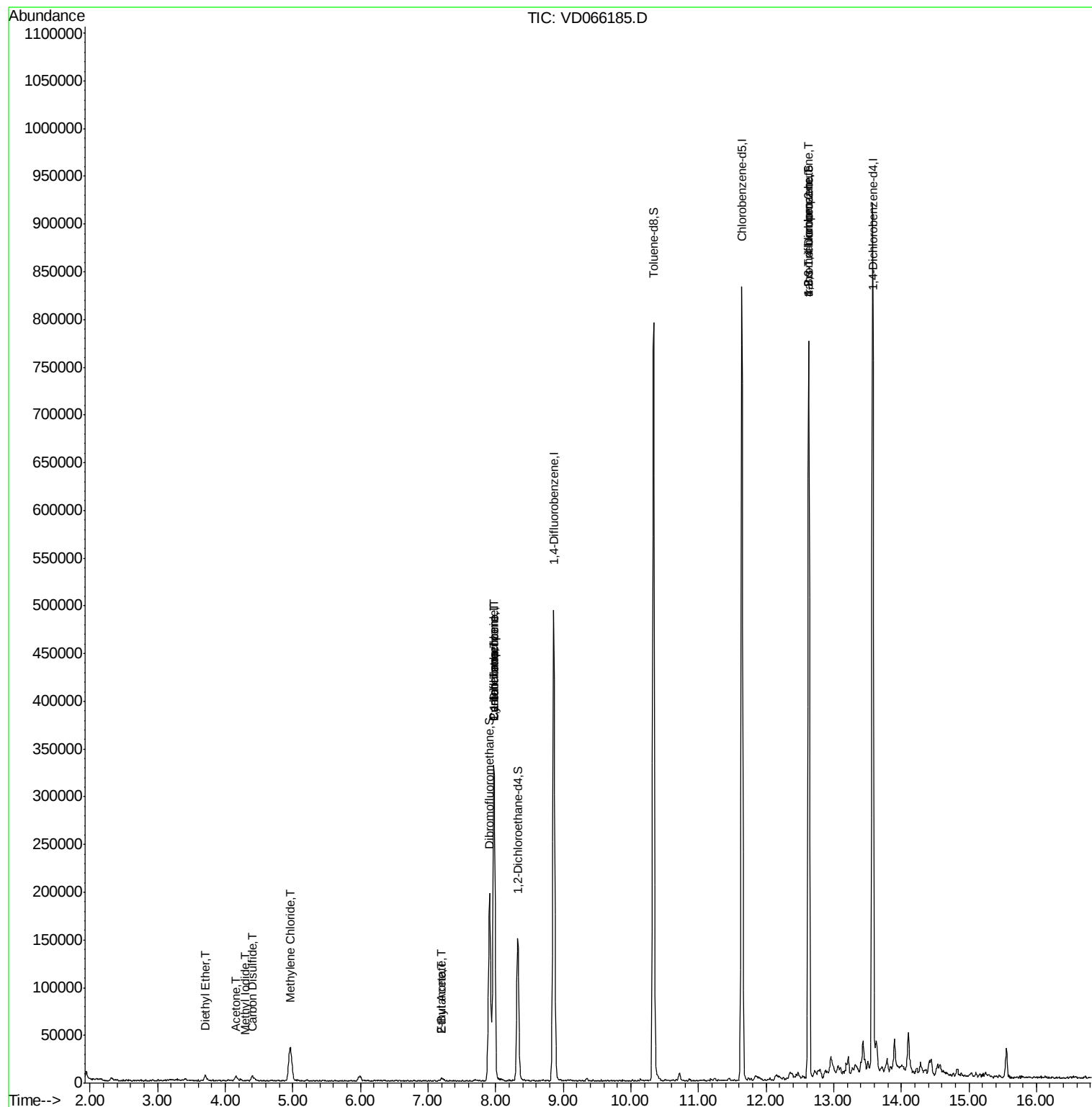
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	2835	2.385	ug/l	91
10) Methyl Iodide	4.29	142	258	6.809	ug/l #	39
11) Tert butyl alcohol	5.21	59	146	Below Cal	#	76
16) Acetone	4.16	43	8702	19.300	ug/l	98
17) Carbon Disulfide	4.40	76	10578	1.410	ug/l #	88
20) Methylene Chloride	4.97	84	28527	7.006	ug/l	91
25) 2-Butanone	7.21	43	1741	2.625	ug/l	93
31) Cyclohexane	7.97	56	5387	1.294	ug/l #	46
36) 1,1-Dichloropropene	7.97	75	17710	4.252	ug/l #	51
37) Ethyl Acetate	7.21	43	1741	1.055	ug/l #	84
38) Carbon Tetrachloride	7.97	117	25430	5.476	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	117765	56.292	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	117765	124.437	ug/l #	13

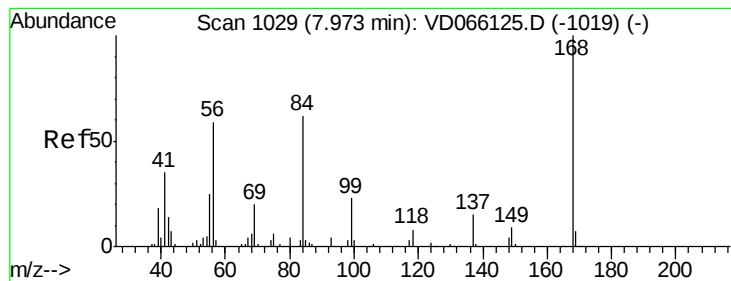
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 11 15:15:43 2020
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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: VD066185.D

Acq: 11 Aug 2020 14:36

Instrument :

MSVOA_N

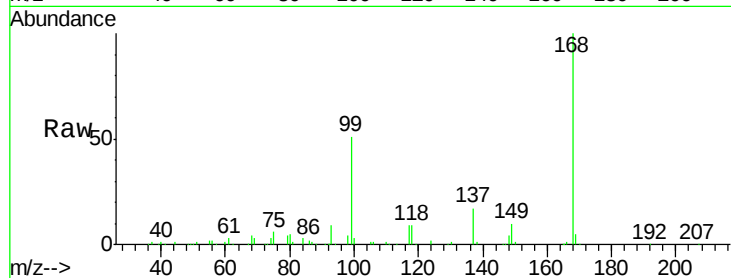
ClientSampleId :

Tgt Ion:168 Resp: 266355

Ion Ratio Lower Upper

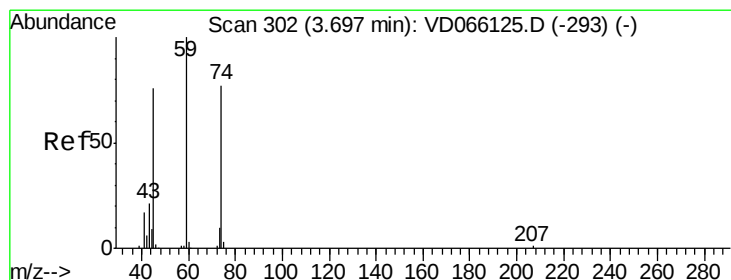
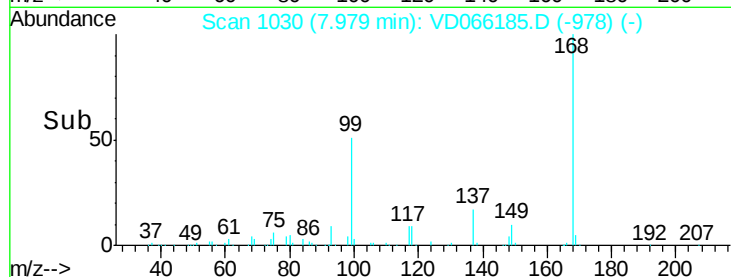
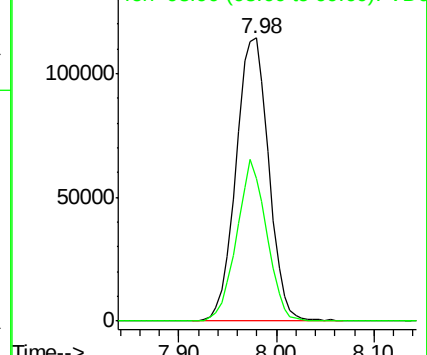
168 100

99 50.5 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: 2.385 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066185.D

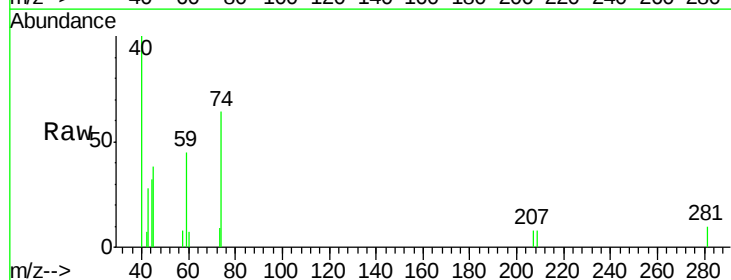
Acq: 11 Aug 2020 14:36

Tgt Ion: 74 Resp: 2835

Ion Ratio Lower Upper

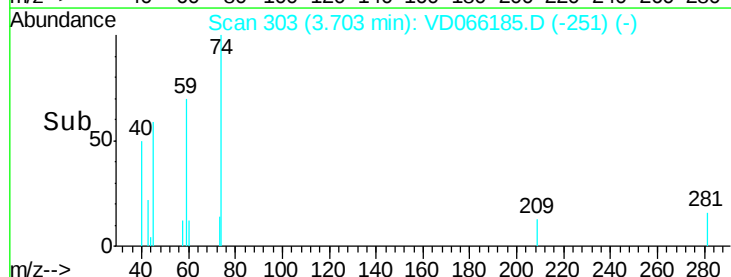
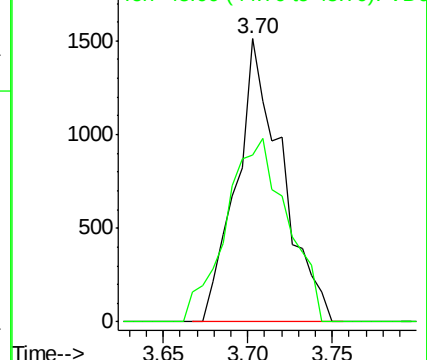
74 100

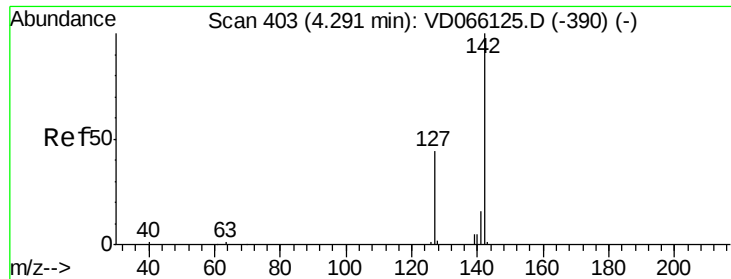
45 87.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

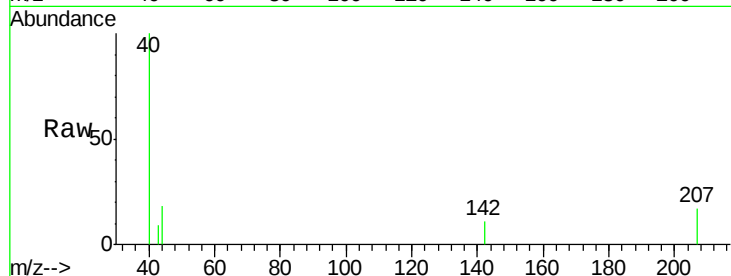




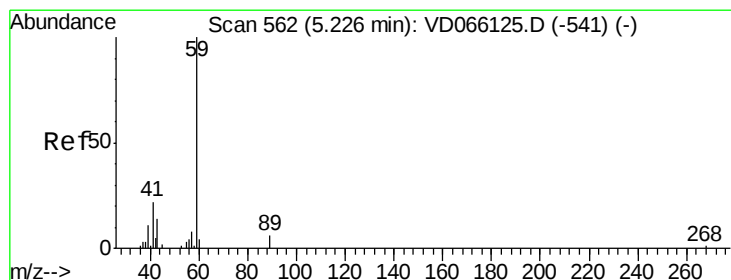
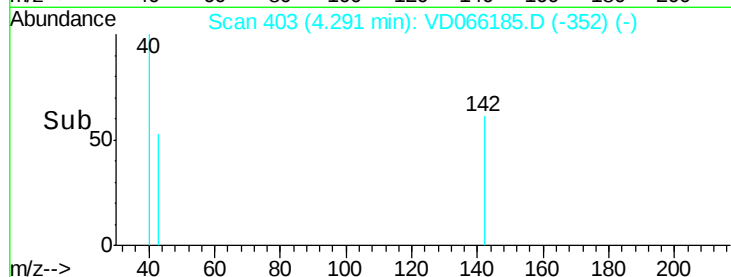
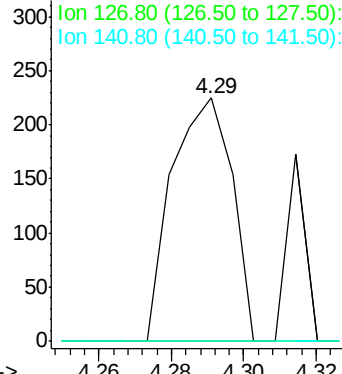
#10
Methyl Iodide
Concen: 6.809 ug/l
RT: 4.29 min Scan# 403
Delta R.T. 0.00 min
Lab File: VD066185.D
Acq: 11 Aug 2020 14:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 142 Resp: 258
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#

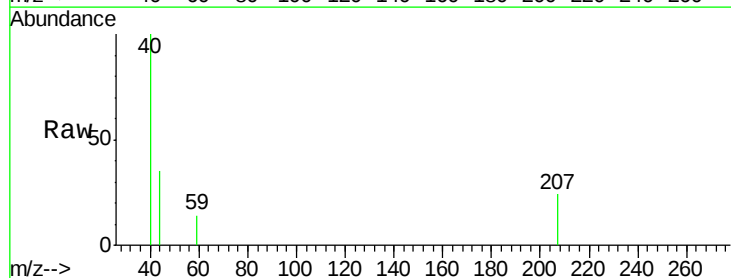


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

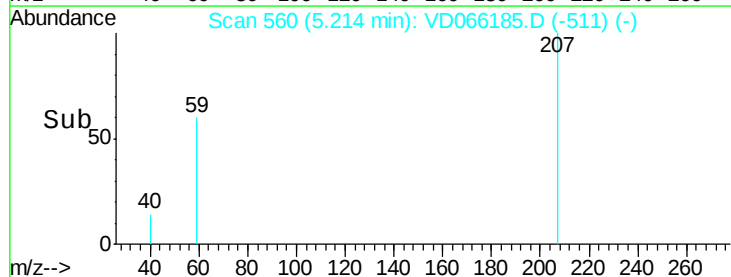
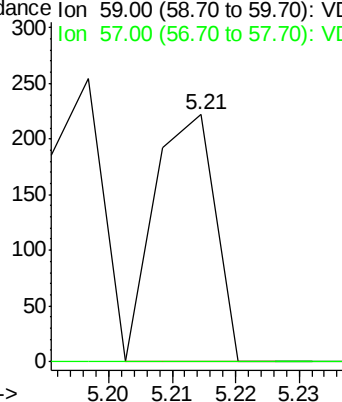


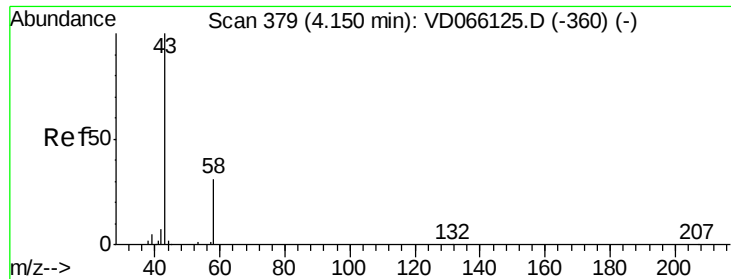
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066185.D
Acq: 11 Aug 2020 14:36

Tgt Ion: 59 Resp: 146
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

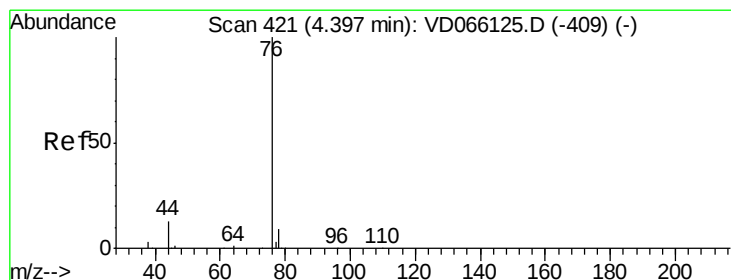
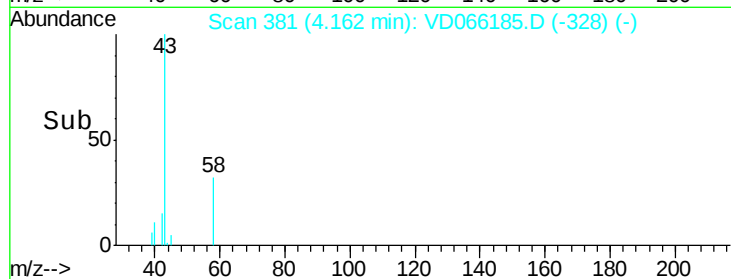
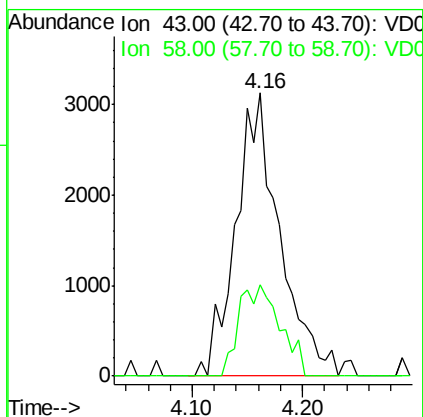
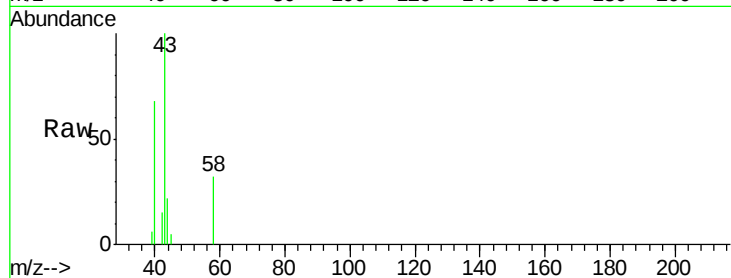




#16
Acetone
Concen: 19.300 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066185.D
Acq: 11 Aug 2020 14:36

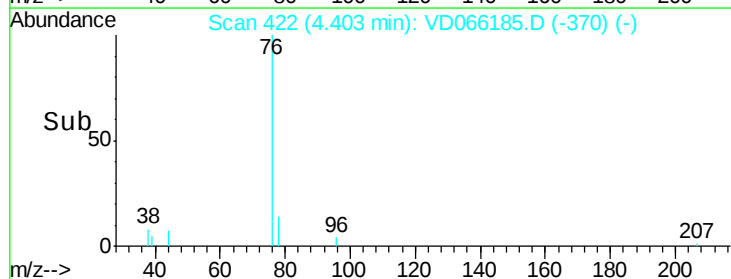
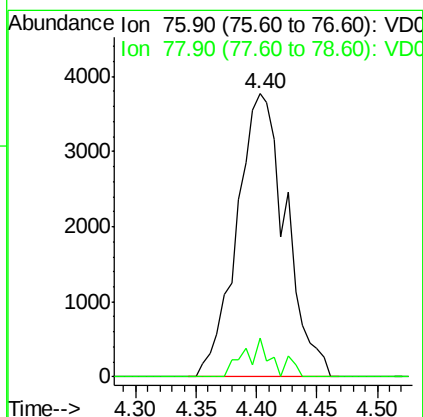
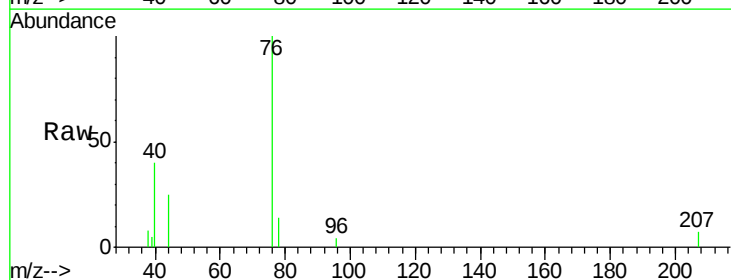
Instrument :
MSVOA_N
ClientSampled :

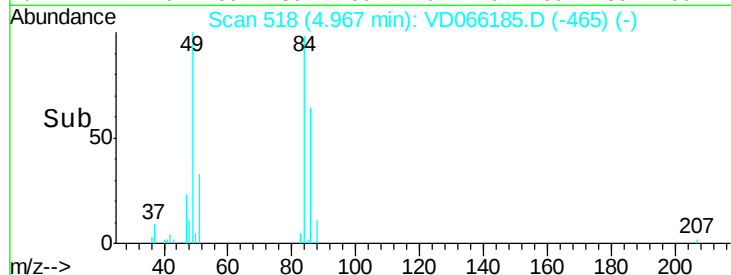
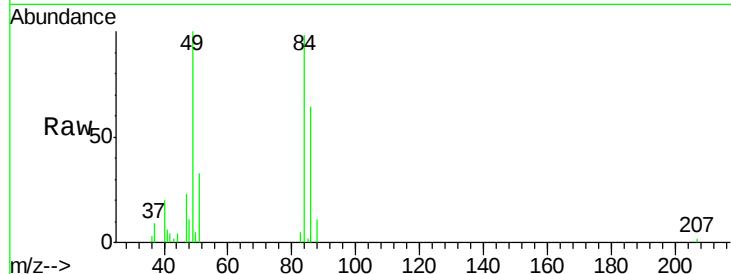
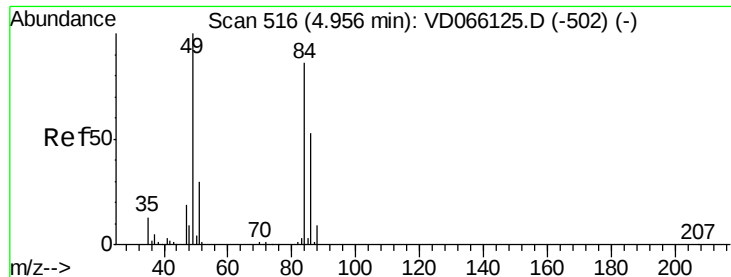
Tgt Ion: 43 Resp: 8702
Ion Ratio Lower Upper
43 100
58 32.3 24.7 37.1



#17
Carbon Disulfide
Concen: 1.410 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066185.D
Acq: 11 Aug 2020 14:36

Tgt Ion: 76 Resp: 10578
Ion Ratio Lower Upper
76 100
78 13.7 7.5 11.3#

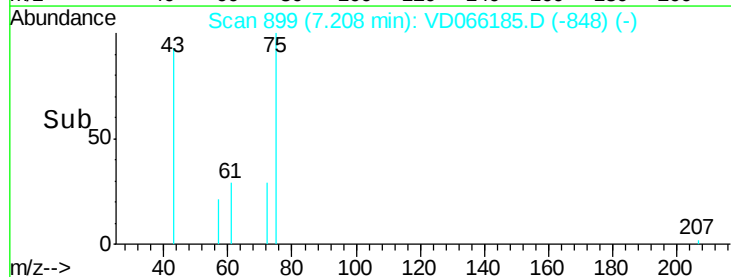
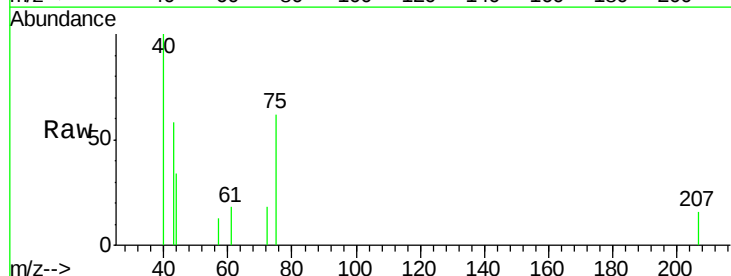
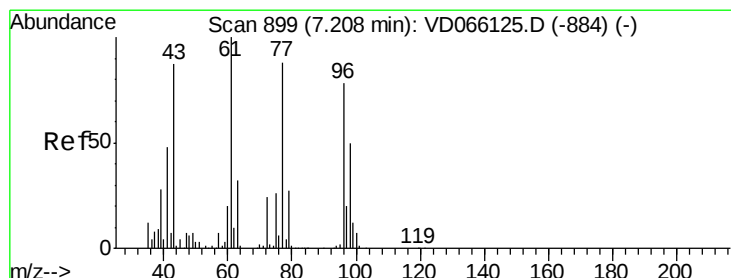
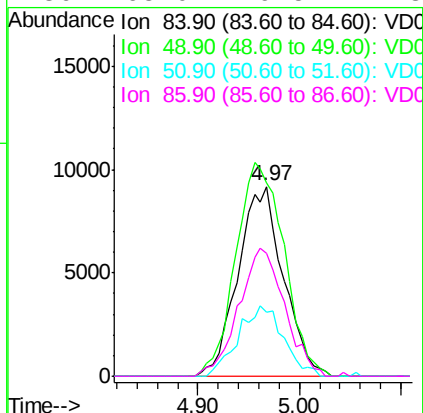




#20
Methylene Chloride
Concen: 7.006 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066185.D
Acq: 11 Aug 2020 14:36

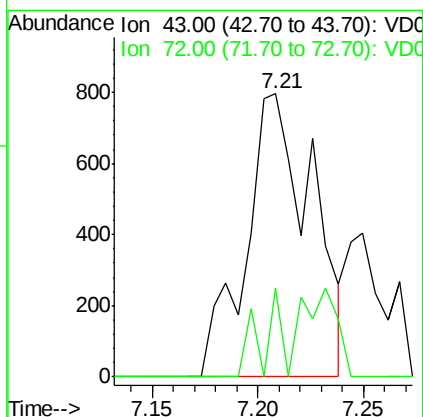
Instrument :
MSVOA_N
ClientSampled :

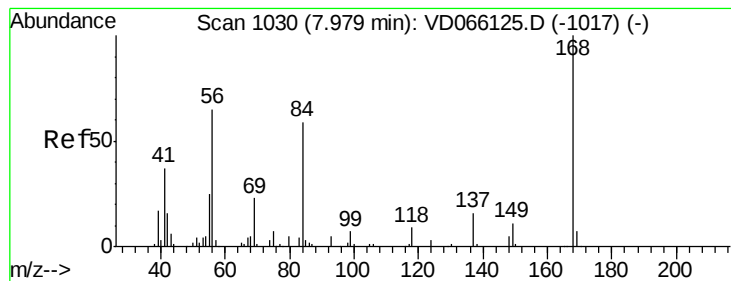
Tgt Ion:	84	Resp:	28527
Ion	Ratio	Lower	Upper
84	100		
49	101.9	93.5	140.3
51	34.1	28.2	42.4
86	65.0	49.5	74.3



#25
2-Butanone
Concen: 2.625 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066185.D
Acq: 11 Aug 2020 14:36

Tgt Ion:	43	Resp:	1741
Ion	Ratio	Lower	Upper
43	100		
72	31.4	22.2	33.2





#31

Cyclohexane

Concen: 1.294 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066185.D

Acq: 11 Aug 2020 14:36

Instrument :
MSVOA_N
ClientSampleId :

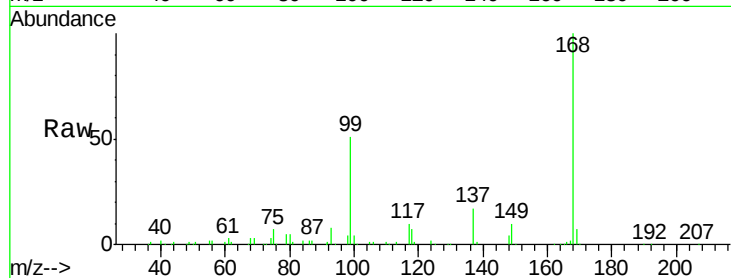
Tgt Ion: 56 Resp: 5387

Ion Ratio Lower Upper

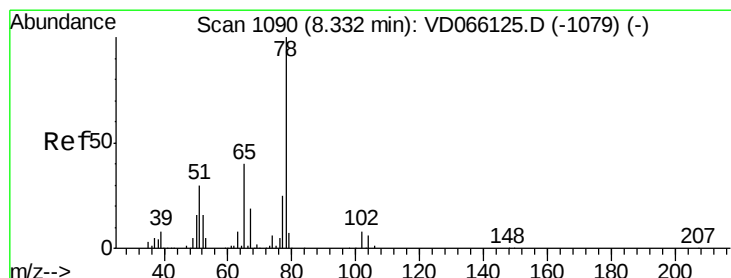
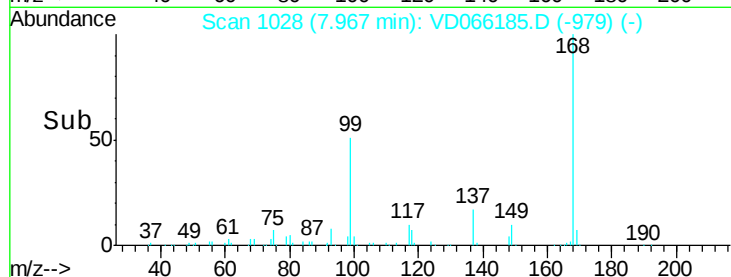
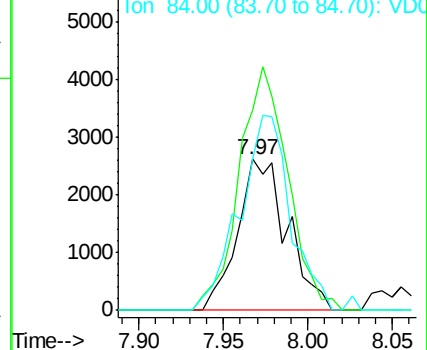
56 100

69 133.0 28.8 43.2#

84 100.6 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: 49.292 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066185.D

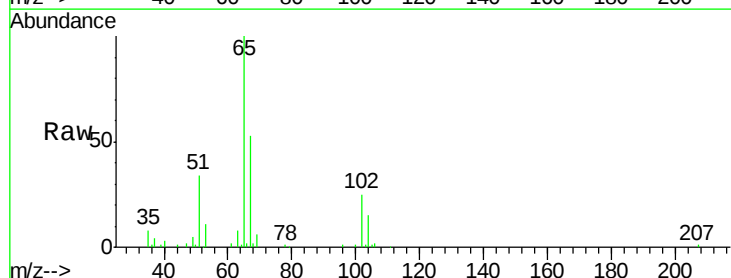
Acq: 11 Aug 2020 14:36

Tgt Ion: 65 Resp: 117131

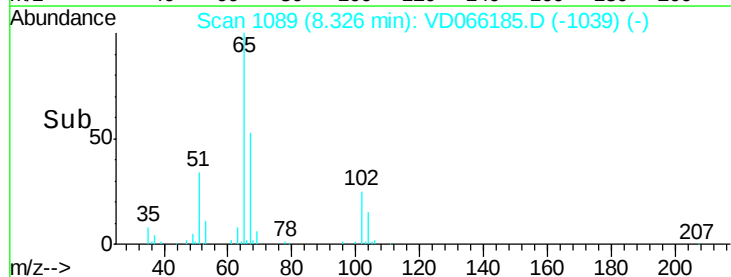
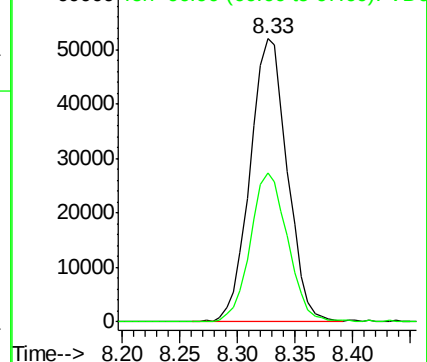
Ion Ratio Lower Upper

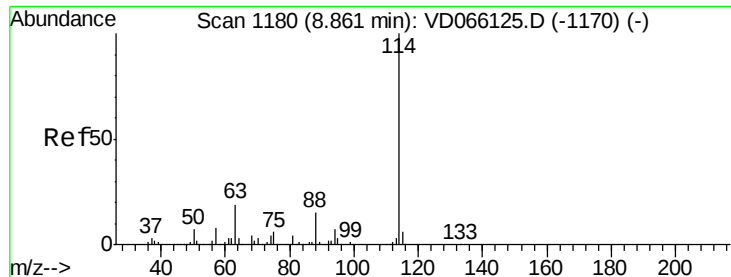
65 100

67 52.7 0.0 104.6



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

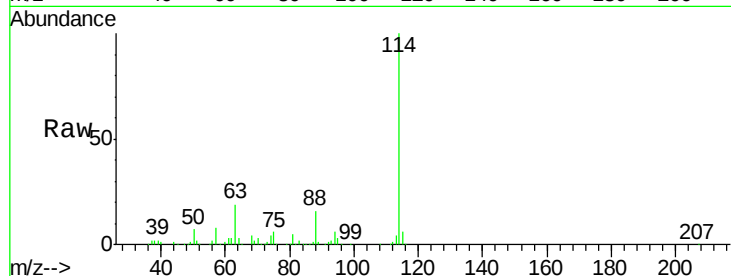




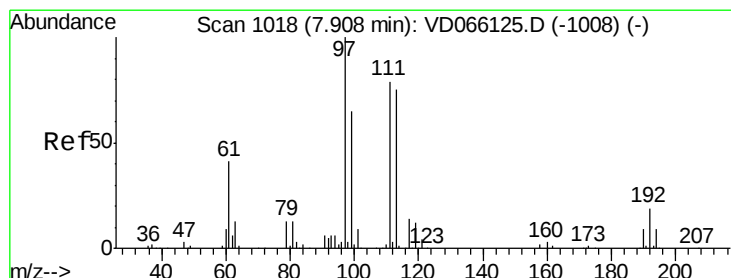
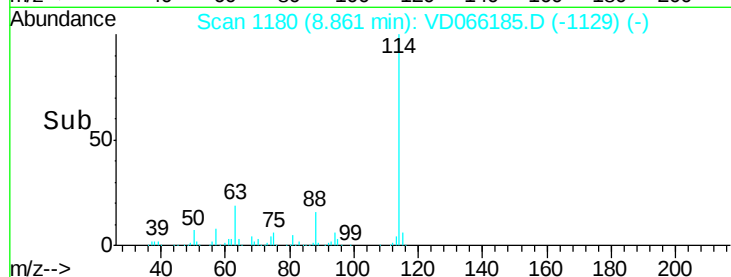
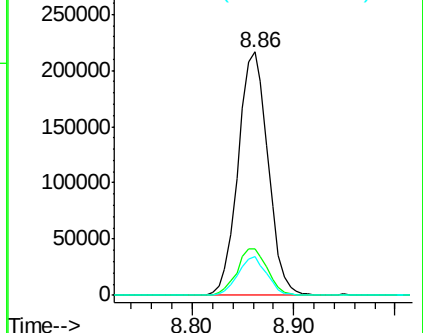
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066185.D
 Acq: 11 Aug 2020 14:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.6
88	16.2	0.0	30.0

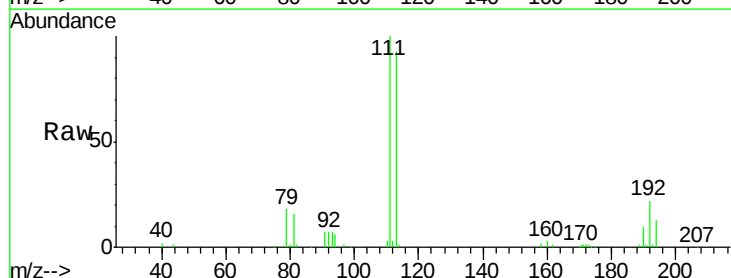


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

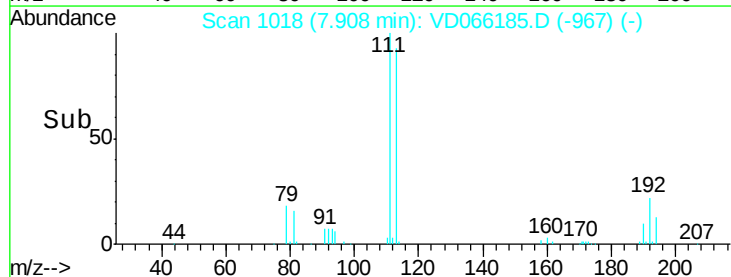
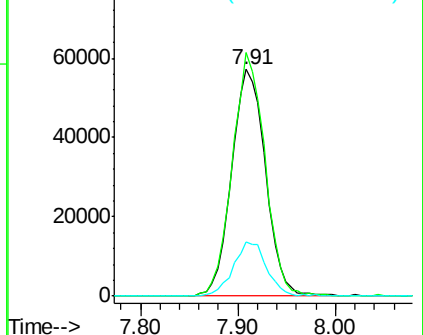


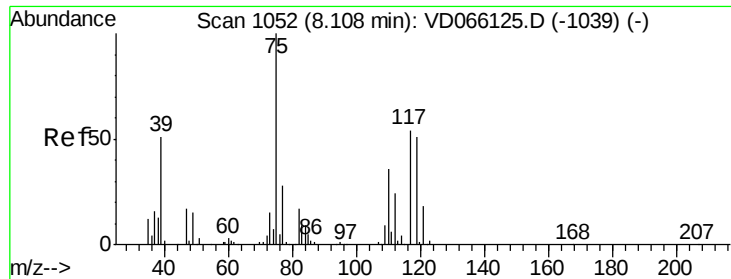
#35
 Dibromofluoromethane
 Concen: 49.194 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066185.D
 Acq: 11 Aug 2020 14:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.7	121.1
192	23.4	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

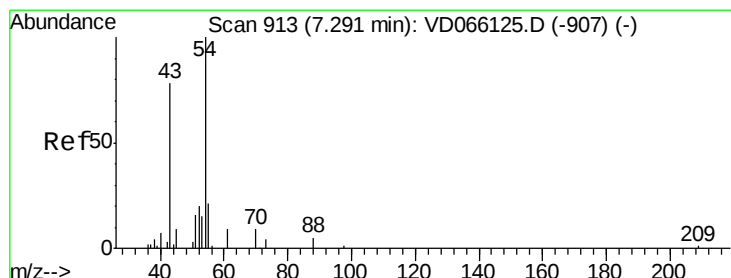
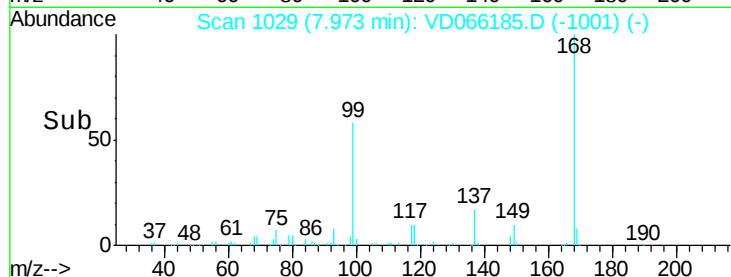
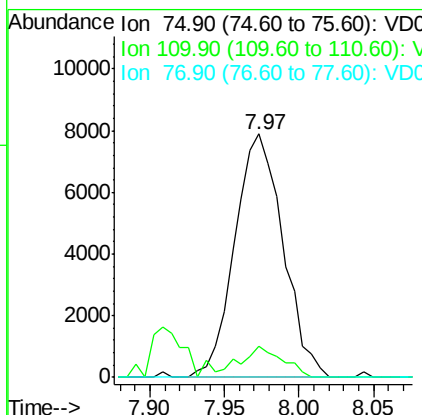
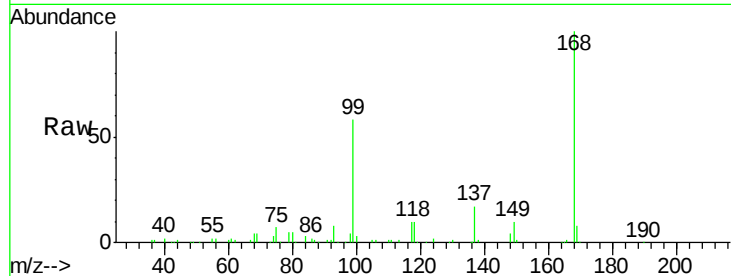




#36
 1,1-Dichloropropene
 Concen: 4.252 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066185.D
 Acq: 11 Aug 2020 14:36

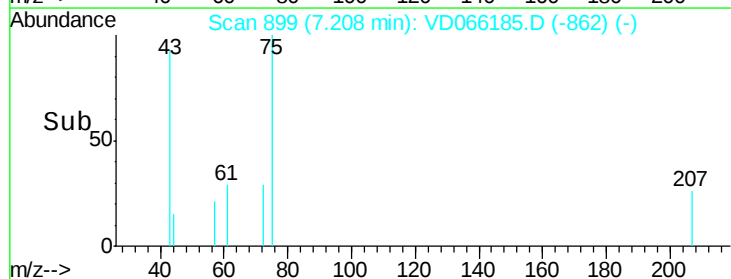
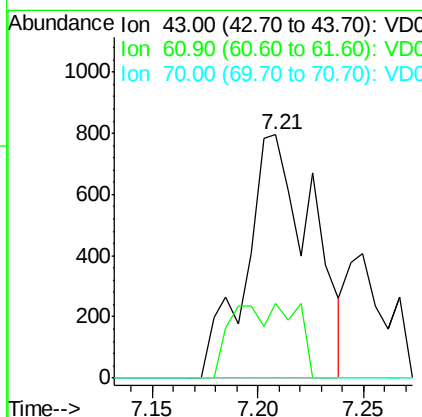
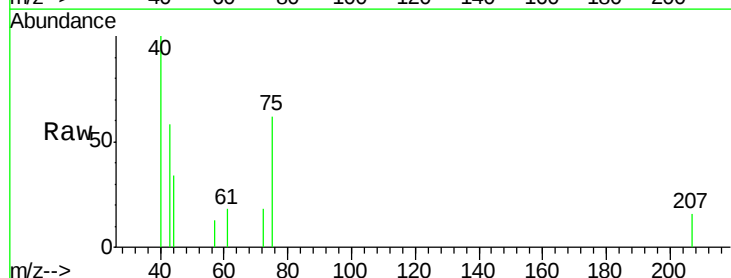
Instrument :
 MSVOA_N
 ClientSampled :

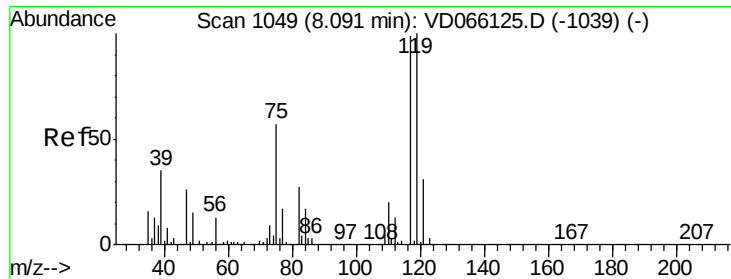
Tgt Ion: 75 Resp: 17710
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.8 56.3#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 1.055 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.08 min
 Lab File: VD066185.D
 Acq: 11 Aug 2020 14:36

Tgt Ion: 43 Resp: 1741
 Ion Ratio Lower Upper
 43 100
 61 16.3 12.0 18.0
 70 0.0 9.7 14.5#

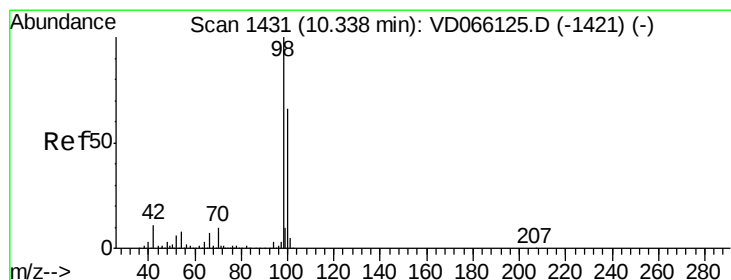
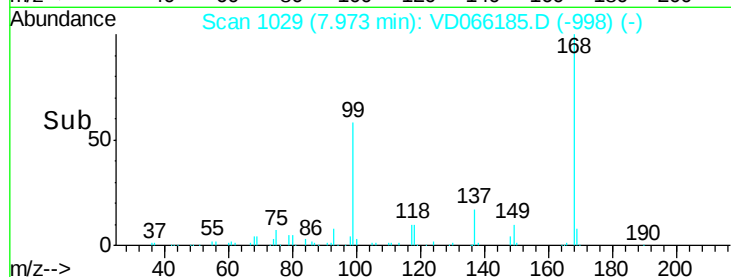
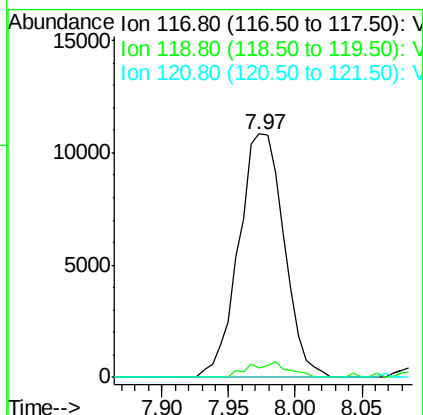
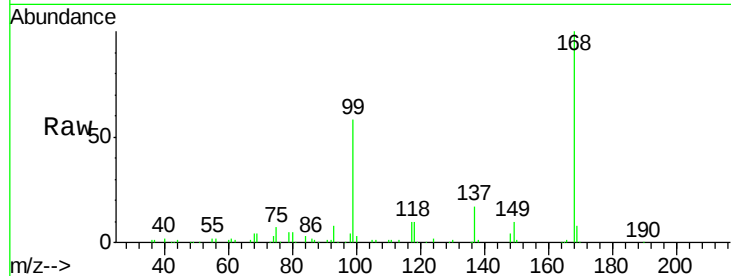




#38
Carbon Tetrachloride
Concen: 5.476 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066185.D
Acq: 11 Aug 2020 14:36

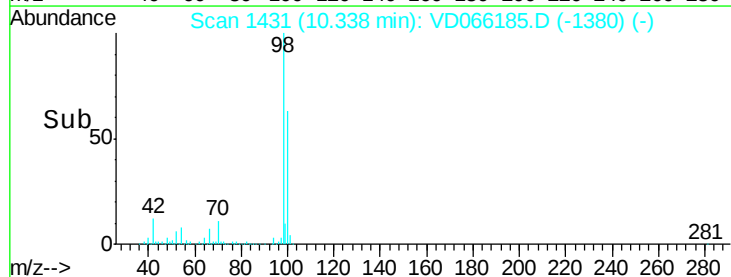
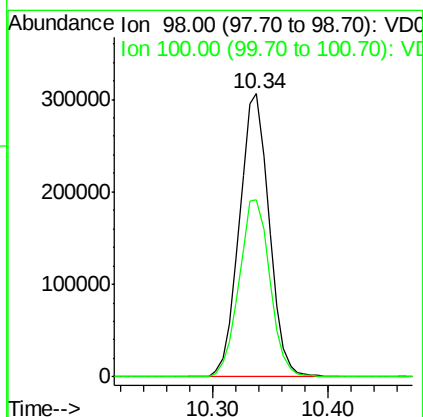
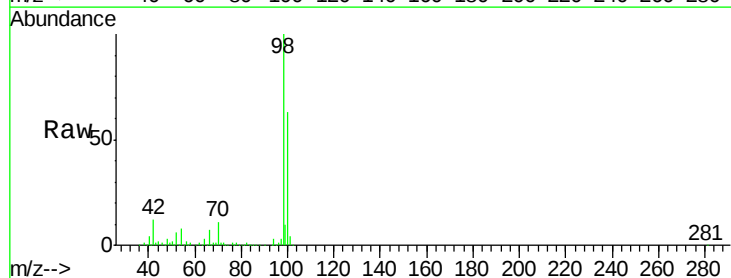
Instrument :
MSVOA_N
ClientSampled :

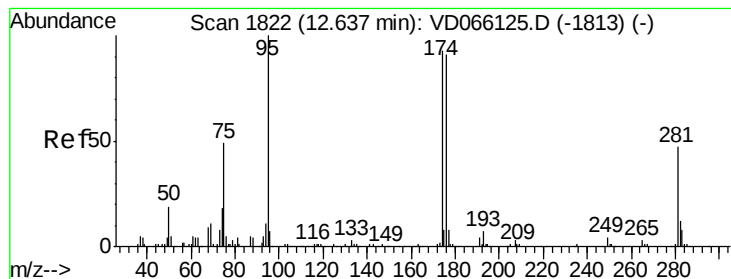
Tgt Ion:117 Resp: 25430
Ion Ratio Lower Upper
117 100
119 4.1 81.0 121.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.979 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066185.D
Acq: 11 Aug 2020 14:36

Tgt Ion: 98 Resp: 548889
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 63.938 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066185.D

Acq: 11 Aug 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

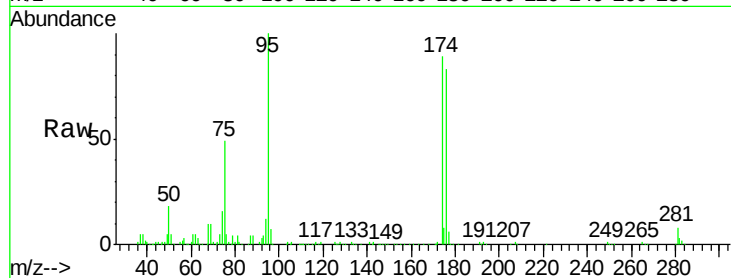
Tgt Ion: 95 Resp: 238782

Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.8

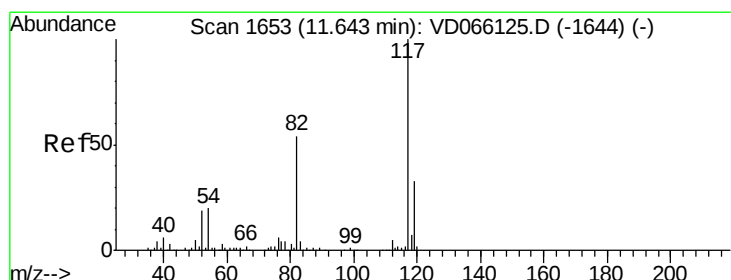
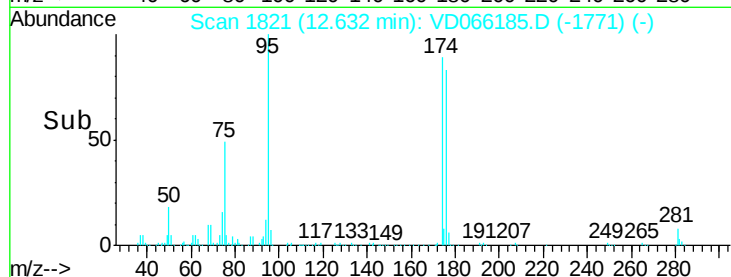
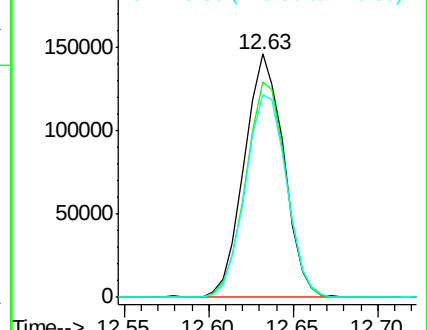
176 86.7 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066185.D

Acq: 11 Aug 2020 14:36

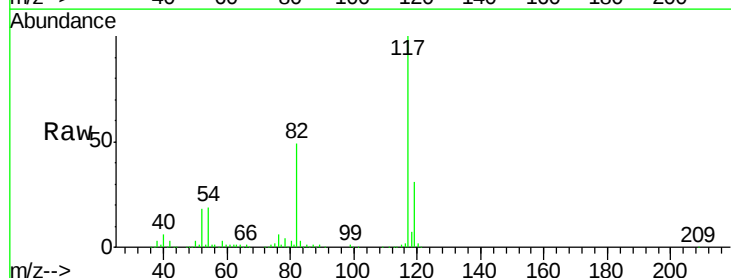
Tgt Ion: 117 Resp: 504939

Ion Ratio Lower Upper

117 100

82 49.4 43.0 64.4

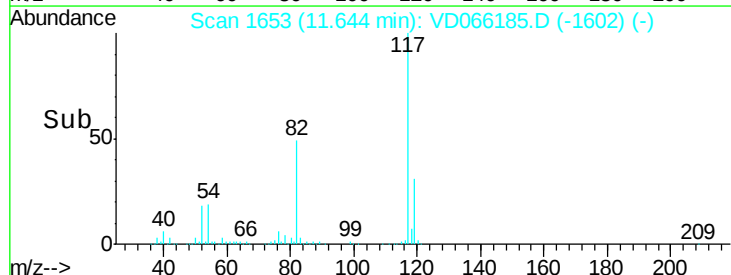
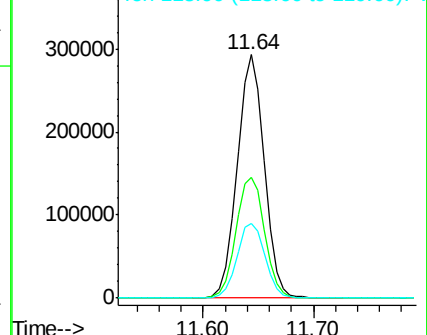
119 30.9 26.1 39.1

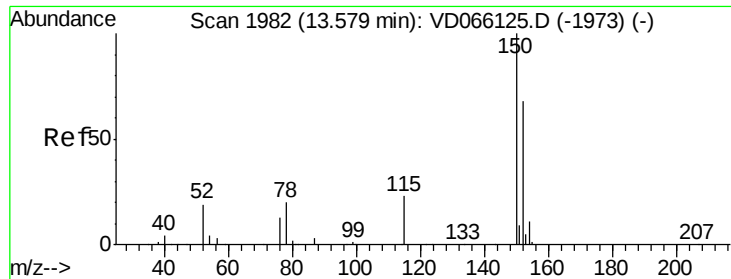


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066185.D

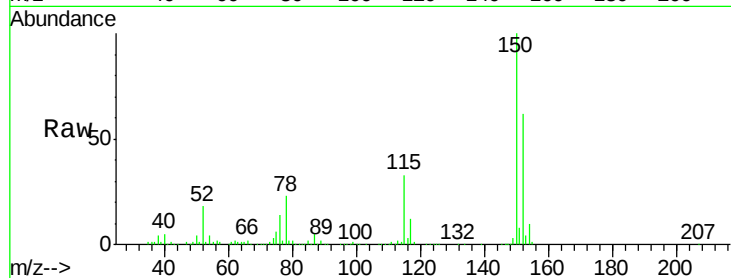
Acq: 11 Aug 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

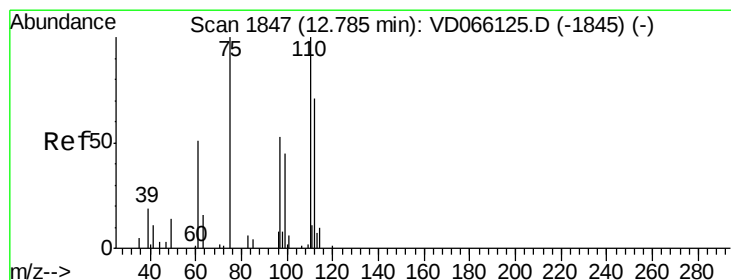
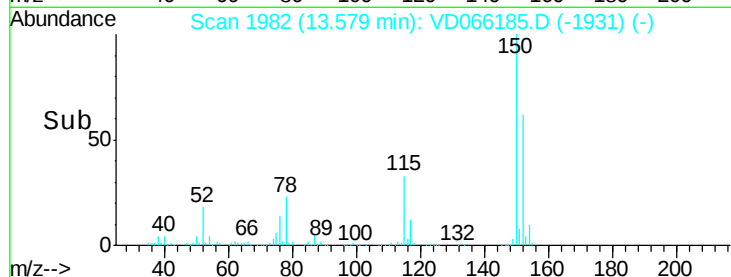
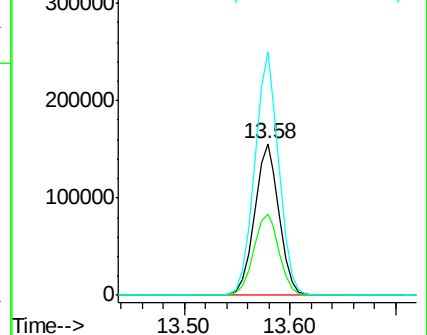
Tgt Ion:	152	Resp:	250864
Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.0	83.9
150	157.9	0.0	346.4



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: 56.292 ug/l

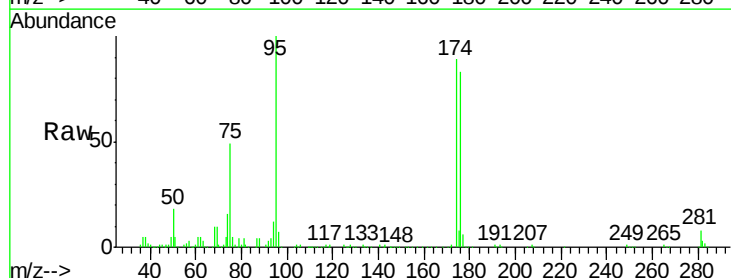
RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066185.D

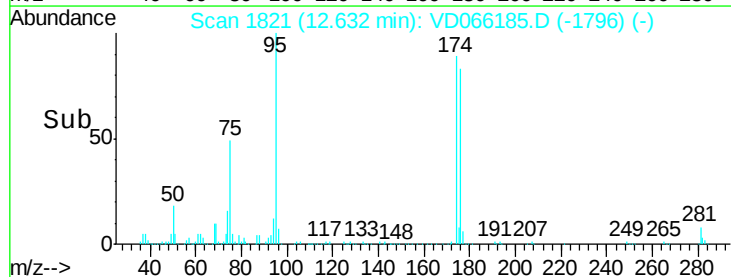
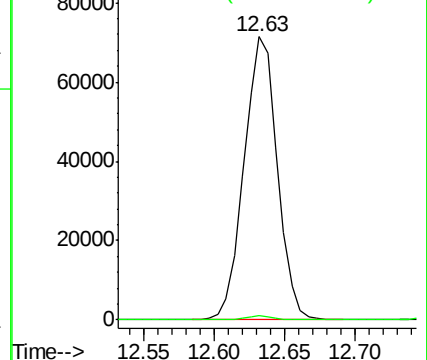
Acq: 11 Aug 2020 14:36

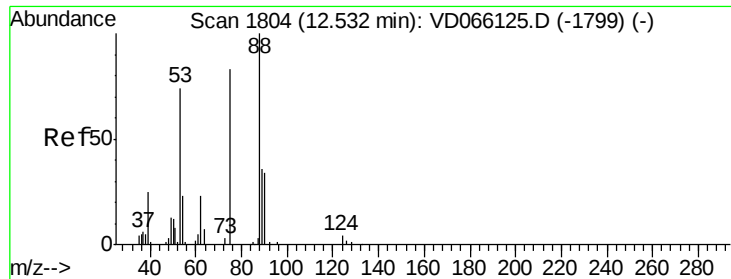
Tgt Ion:	75	Resp:	117765
Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#



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: 124.437 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

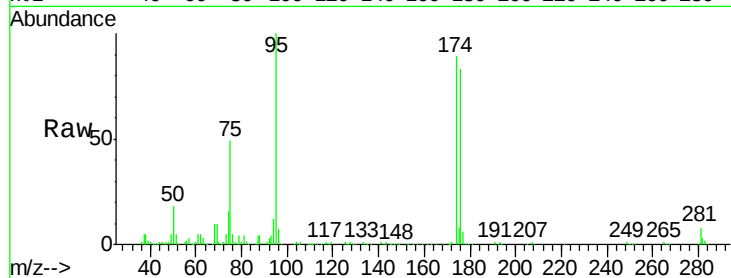
Lab File: VD066185.D

Acq: 11 Aug 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :



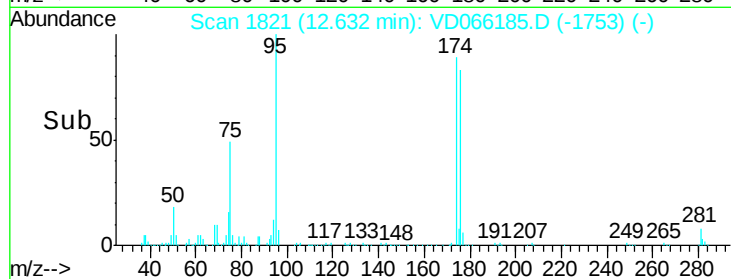
Tgt Ion: 75 Resp: 117765

Ion Ratio Lower Upper

75 100

53 0.1 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

