

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030221\
 Data File : VD068497.D
 Acq On : 02 Mar 2021 15:42
 Operator : VA/SY
 Sample : M1544-02
 Misc : 4.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-039-IDWSO-20210301

Quant Time: Mar 02 23:58:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

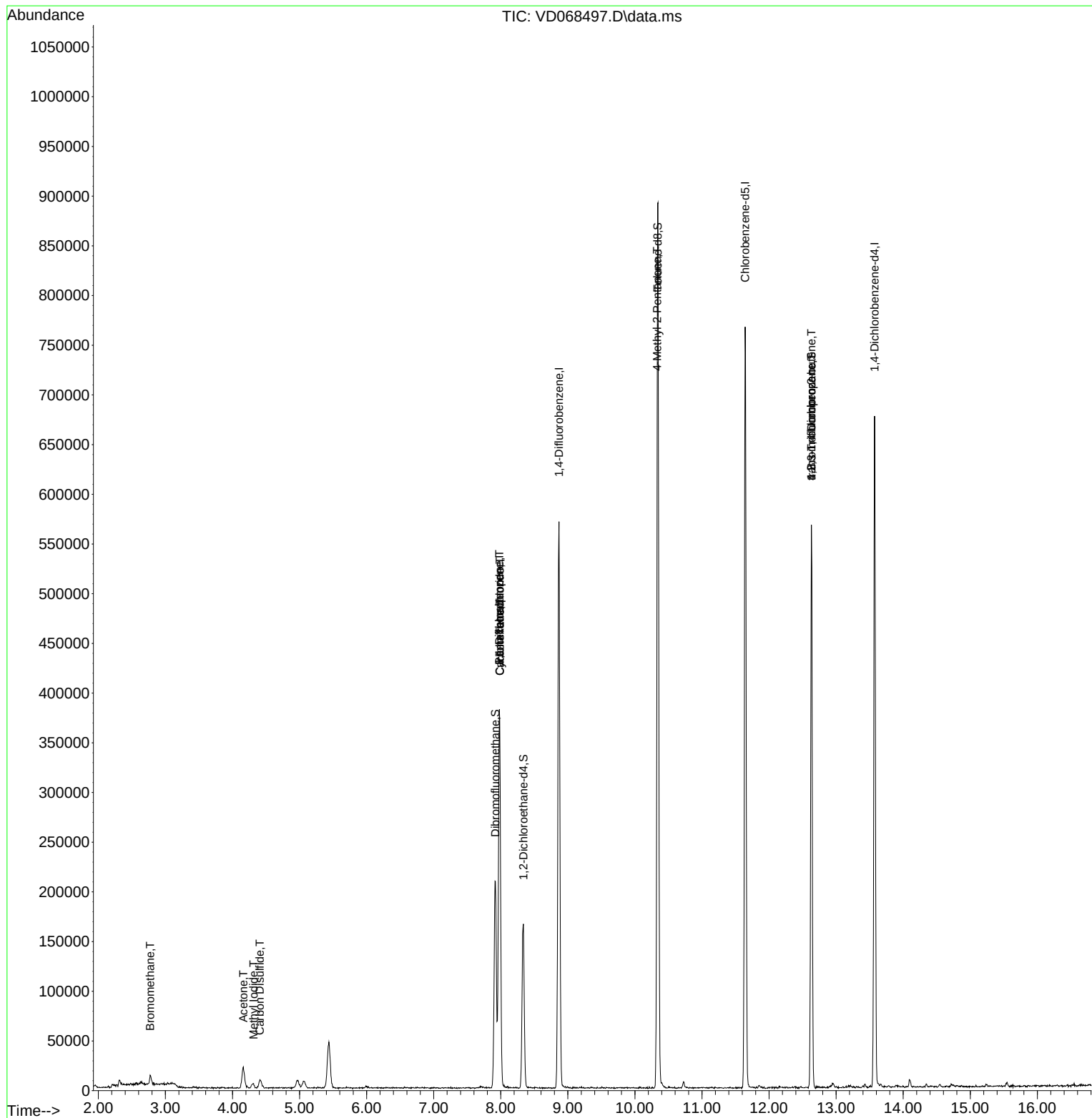
Internal Standards						
1) Pentafluorobenzene	7.979	168	294831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	522149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	468466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	187275	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	132731	45.06	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.12%
35) Dibromofluoromethane	7.920	113	154419	49.09	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.18%
50) Toluene-d8	10.338	98	646641	51.61	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.22%
62) 4-Bromofluorobenzene	12.632	95	180093	44.60	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.20%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	5968	1.95	ug/l	84
10) Methyl Iodide	4.314	142	6976	4.47	ug/l #	98
16) Acetone	4.162	43	36914	78.89	ug/l #	82
17) Carbon Disulfide	4.409	76	17449	1.80	ug/l	98
20) Methylene Chloride	4.967	84	6838	Below Cal	#	76
31) Cyclohexane	7.985	56	6069	1.13	ug/l #	22
36) 1,1-Dichloropropene	7.979	75	22069	4.45	ug/l #	48
38) Carbon Tetrachloride	7.985	117	29106	6.24	ug/l #	15
51) 4-Methyl-2-Pentanone	10.332	43	2441	1.54	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	93590	56.29	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	93590	131.37	ug/l #	13

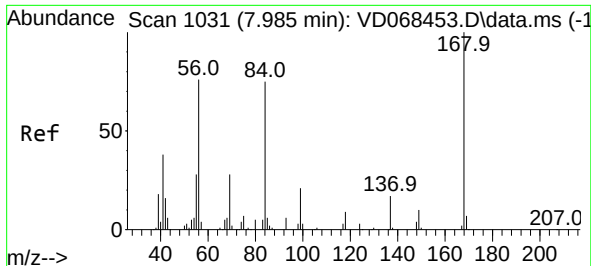
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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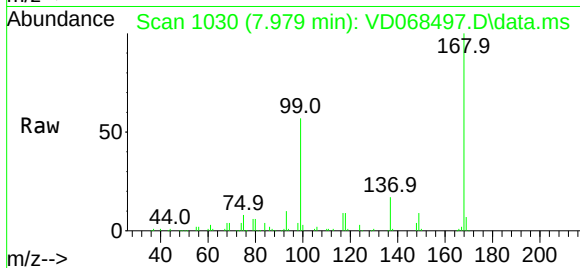
Quant Time: Mar 02 23:58:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 26 14:04:14 2021
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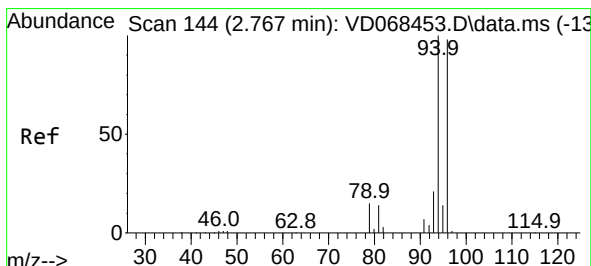
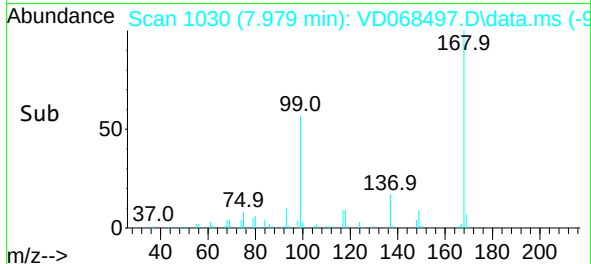
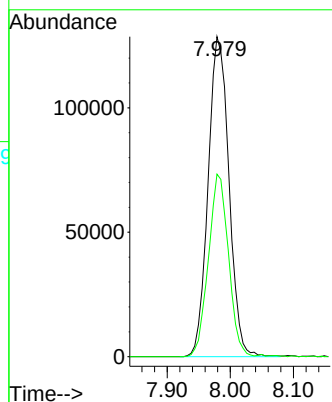


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

Instrument :
MSVOA_D
ClientSampleId :
TT-039-IDWSO-20210301

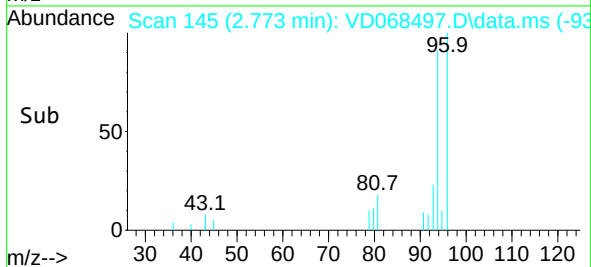
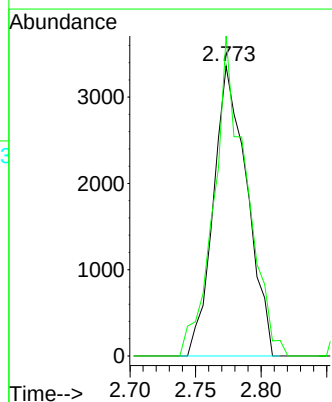
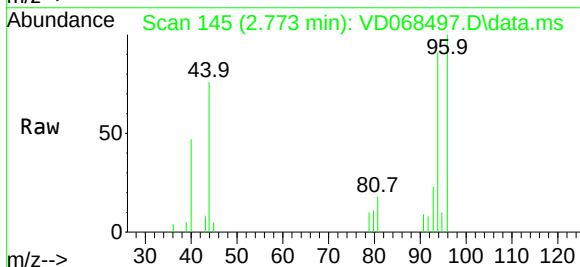


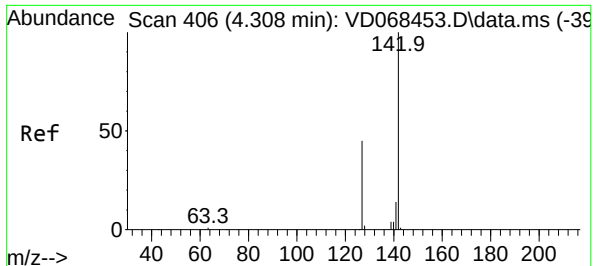
Tgt Ion:168 Resp: 294831
Ion Ratio Lower Upper
168 100
99 57.0 43.5 65.3



#5
Bromomethane
Concen: 1.95 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

Tgt Ion: 94 Resp: 5968
Ion Ratio Lower Upper
94 100
96 110.4 75.8 113.8

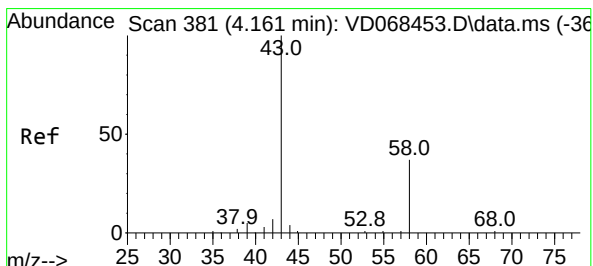
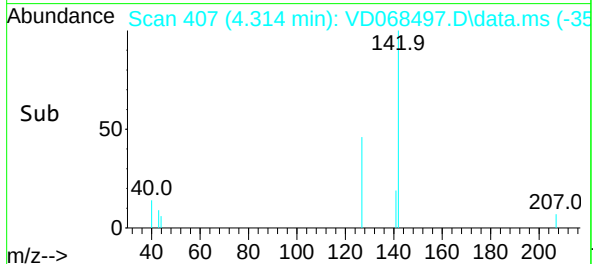
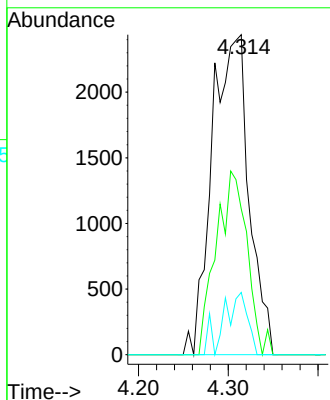
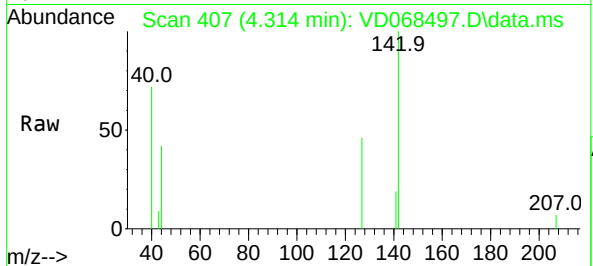




#10
Methyl Iodide
Concen: 4.47 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.006 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

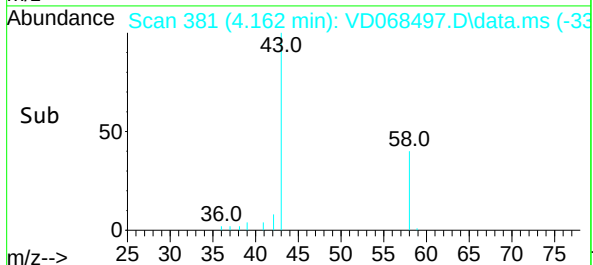
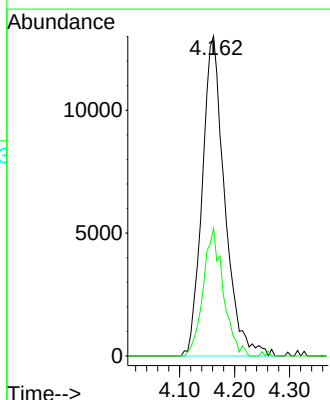
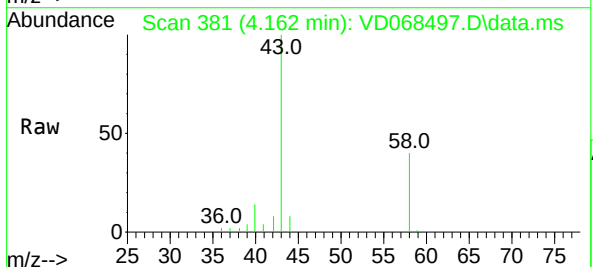
Instrument :
MSVOA_D
ClientSampleId :
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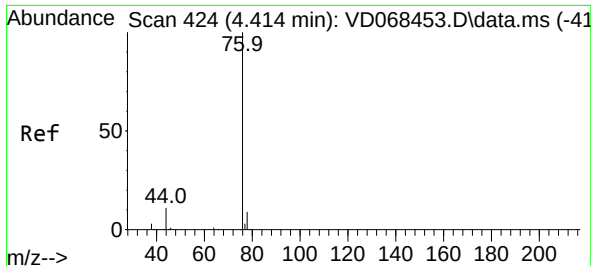
Tgt Ion:142 Resp: 6976
Ion Ratio Lower Upper
142 100
127 47.9 37.9 56.9
141 11.1 11.5 17.3#



#16
Acetone
Concen: 78.89 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

Tgt Ion: 43 Resp: 36914
Ion Ratio Lower Upper
43 100
58 39.8 24.2 36.4#

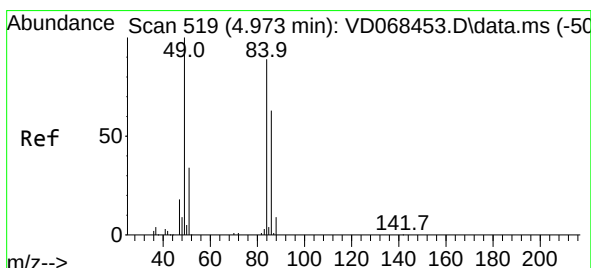
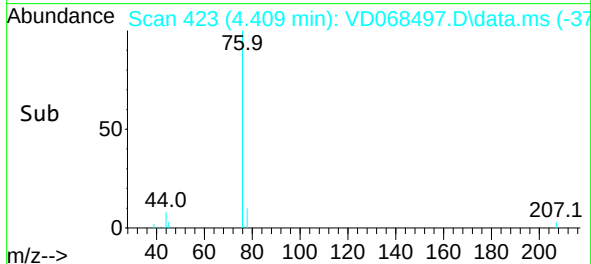
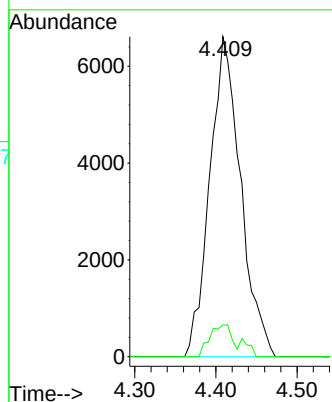
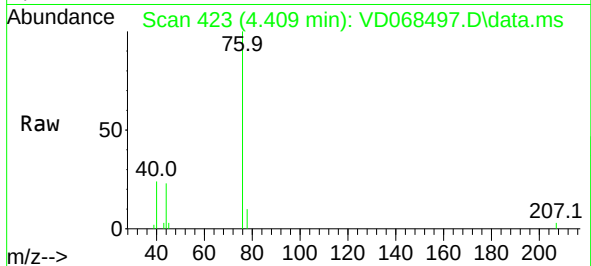




#17
Carbon Disulfide
Concen: 1.80 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

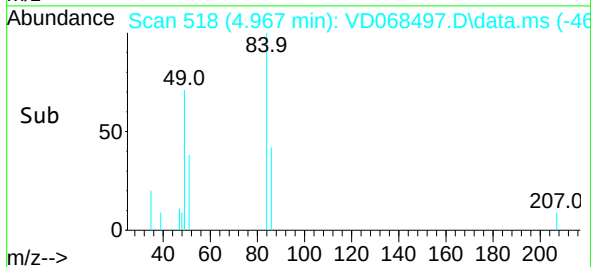
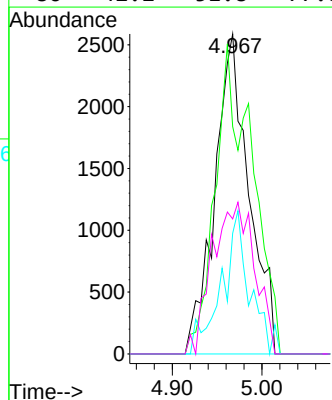
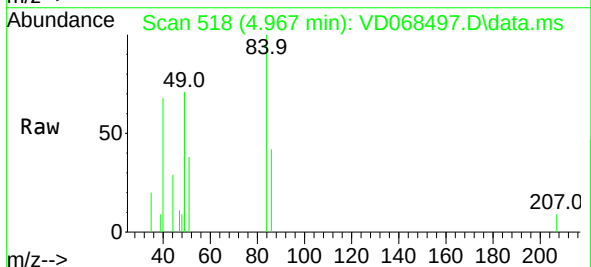
Instrument :
MSVOA_D
ClientSampleId :
TT-039-IDWSO-20210301

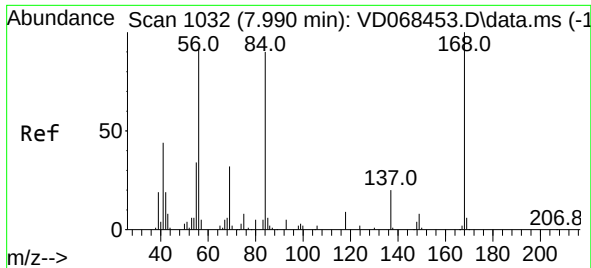
Tgt Ion: 76 Resp: 17449
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

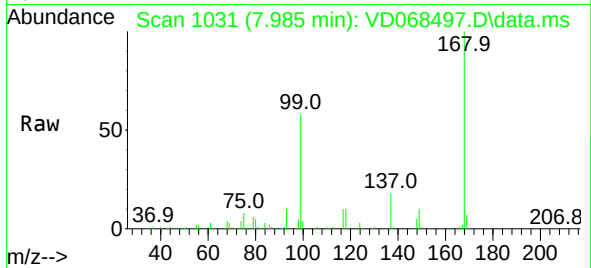
Tgt Ion: 84 Resp: 6838
Ion Ratio Lower Upper
84 100
49 71.1 77.4 116.2#
51 37.7 26.1 39.1
86 42.2 51.8 77.8#



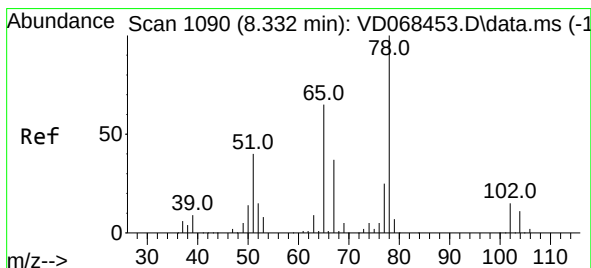
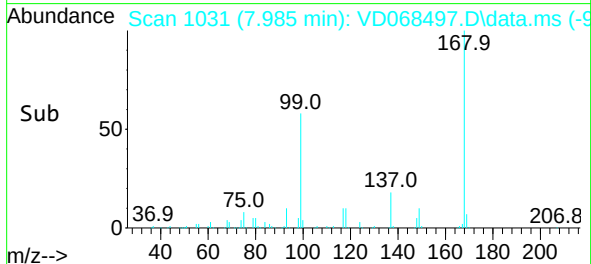
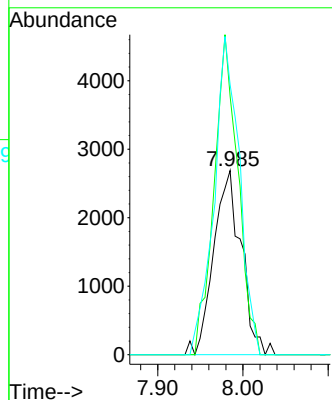


#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

Instrument :
MSVOA_D
ClientSampleId :
TT-039-IDWSO-20210301

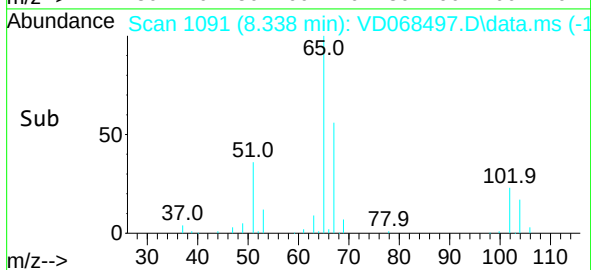
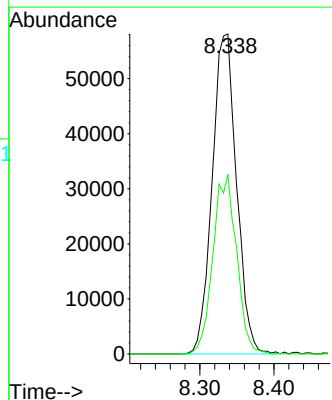
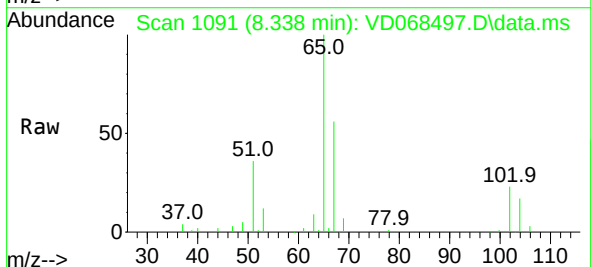


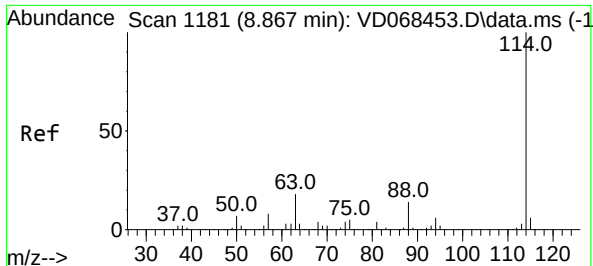
Tgt Ion: 56 Resp: 6069
Ion Ratio Lower Upper
56 100
69 140.3 30.1 45.1#
84 146.6 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 45.06 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

Tgt Ion: 65 Resp: 132731
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.0

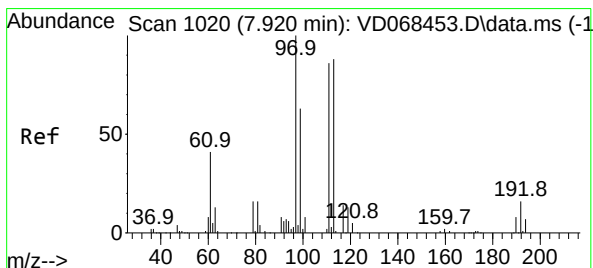
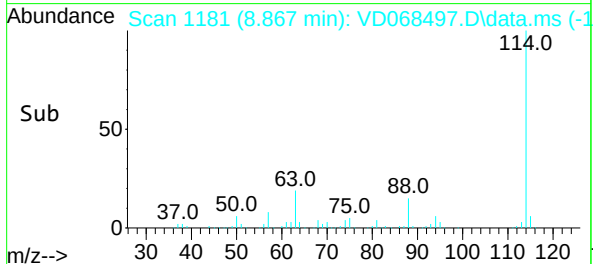
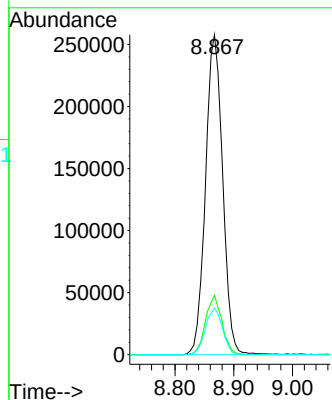
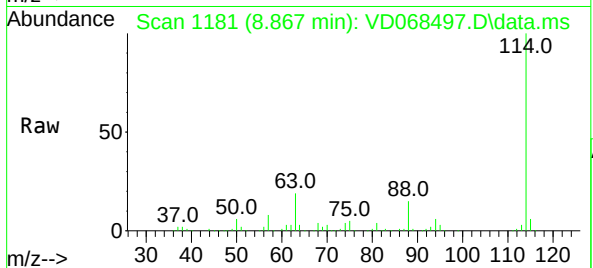




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

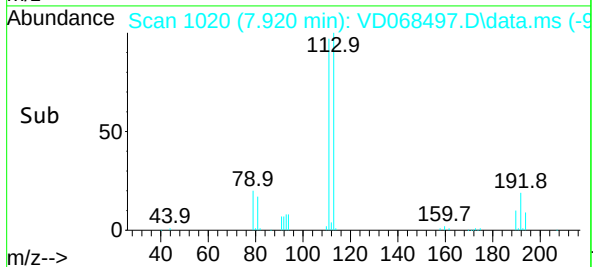
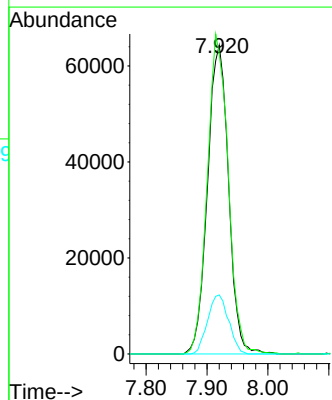
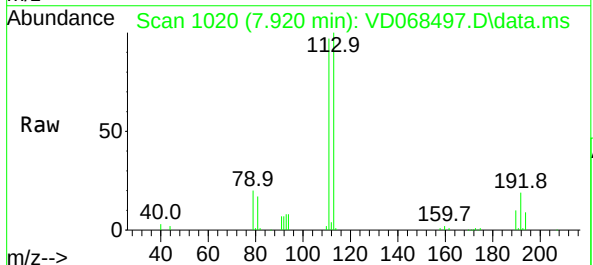
Instrument :
MSVOA_D
ClientSampleId :
TT-039-IDWSO-20210301

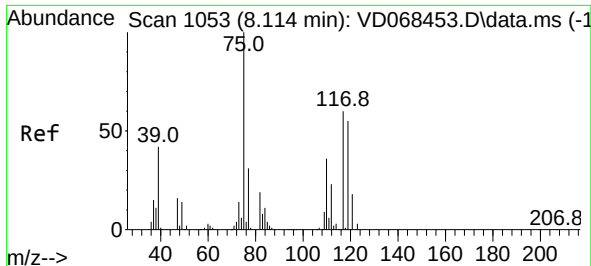
Tgt Ion:114 Resp: 522149
Ion Ratio Lower Upper
114 100
63 18.6 0.0 34.8
88 14.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.09 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

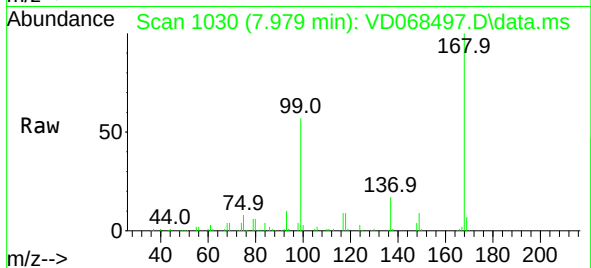
Tgt Ion:113 Resp: 154419
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 19.0 16.1 24.1



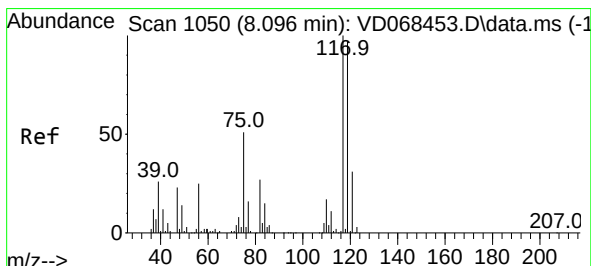
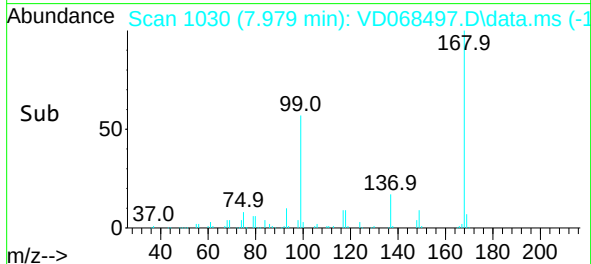
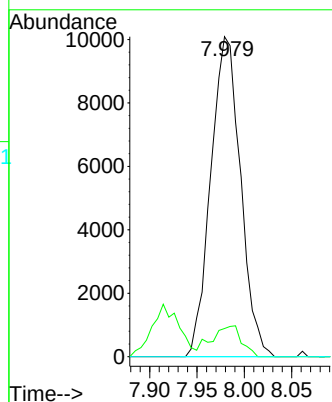


#36
1,1-Dichloropropene
Concen: 4.45 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

Instrument :
MSVOA_D
ClientSampleId :
TT-039-IDWSO-20210301

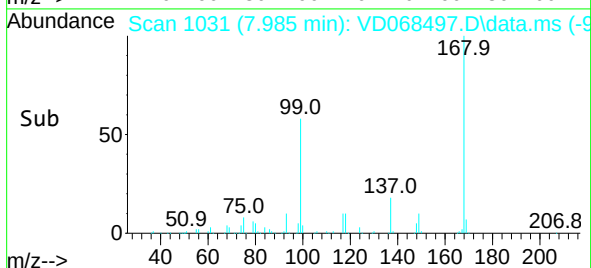
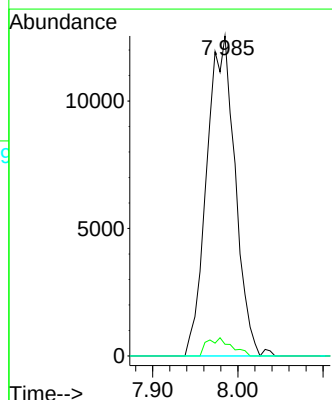
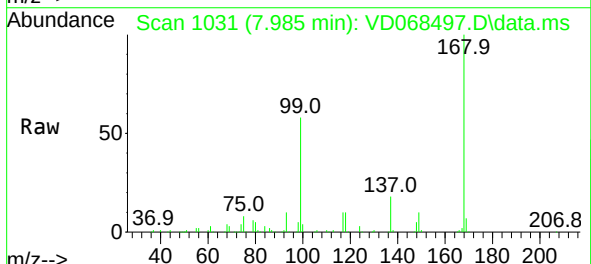


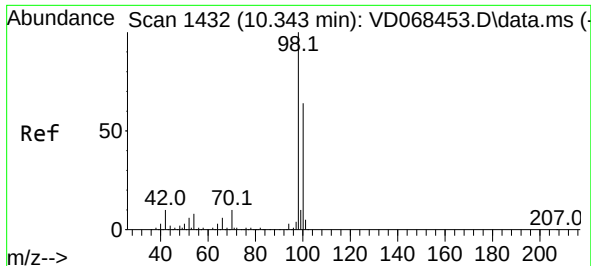
Tgt Ion: 75 Resp: 22069
Ion Ratio Lower Upper
75 100
110 9.7 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.24 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.111 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

Tgt Ion: 117 Resp: 29106
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 24.7 37.1#

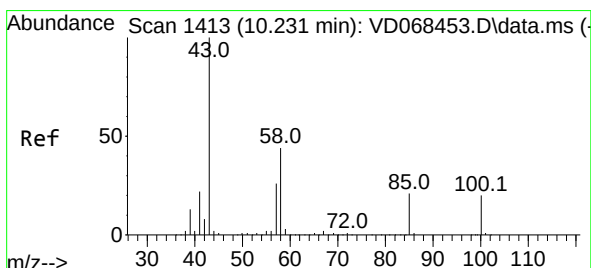
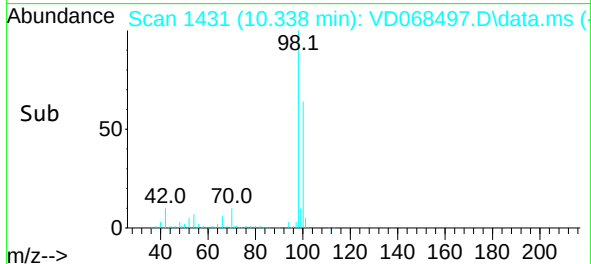
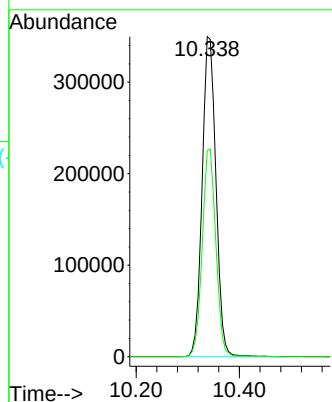
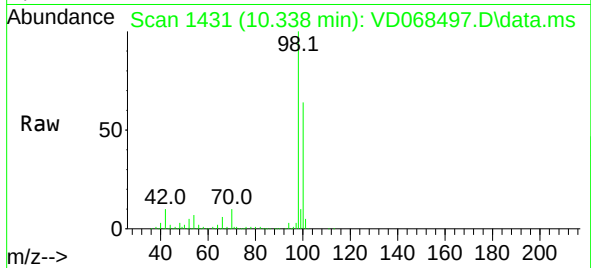




#50
Toluene-d8
Concen: 51.61 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

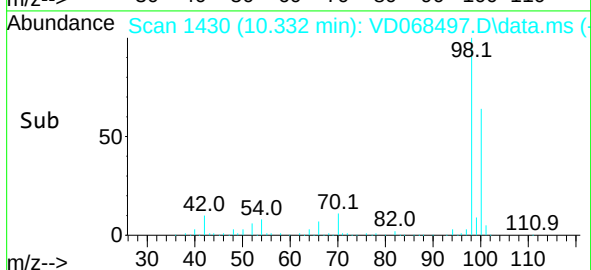
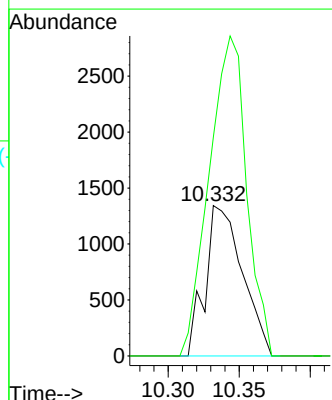
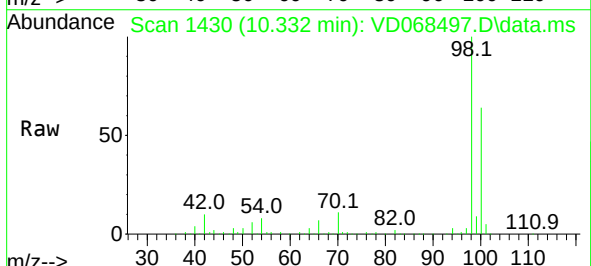
Instrument :
MSVOA_D
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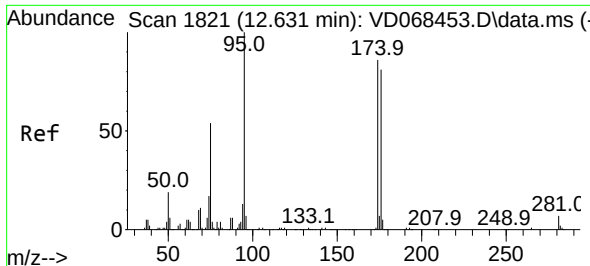
Tgt Ion: 98 Resp: 646641
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.54 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.100 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

Tgt Ion: 43 Resp: 2441
Ion Ratio Lower Upper
43 100
58 215.4 36.1 54.1#

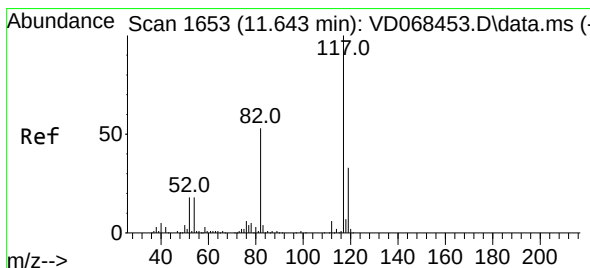
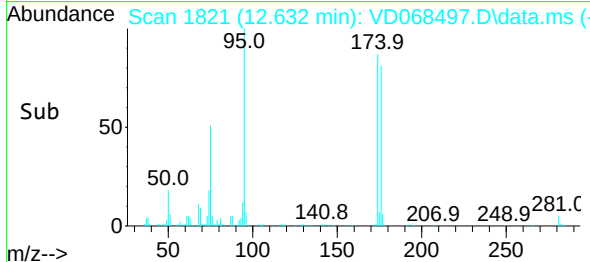
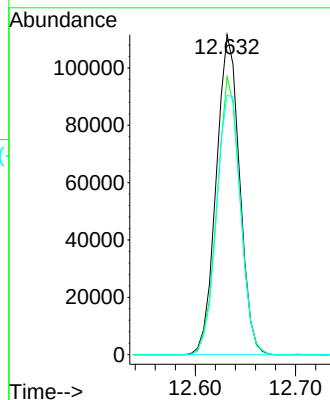
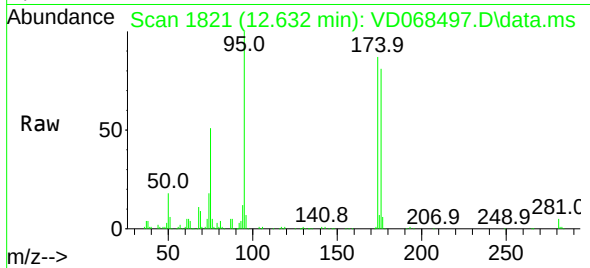




#62
4-Bromofluorobenzene
Concen: 44.60 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

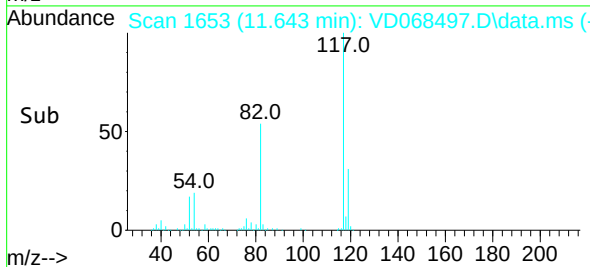
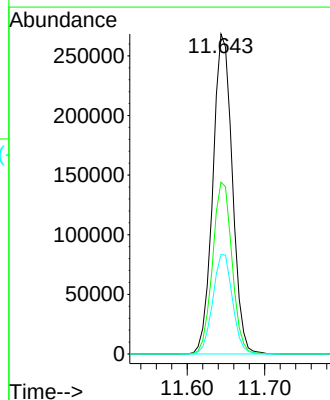
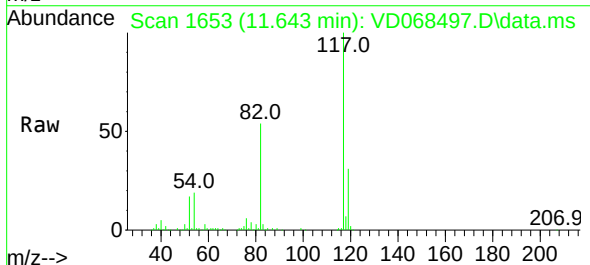
Instrument :
MSVOA_D
ClientSampleId :
TT-039-IDWSO-20210301

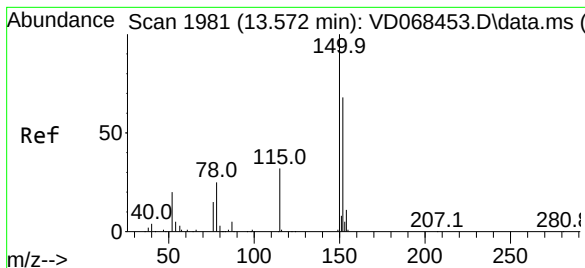
Tgt Ion:	95	Resp:	180093
Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	172.4
176	84.5	0.0	168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

Tgt Ion:	117	Resp:	468466
Ion	Ratio	Lower	Upper
117	100		
82	53.7	41.4	62.0
119	31.1	26.1	39.1

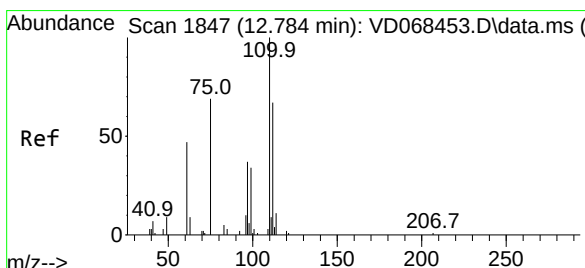
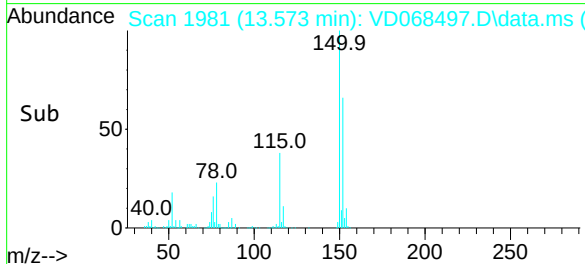
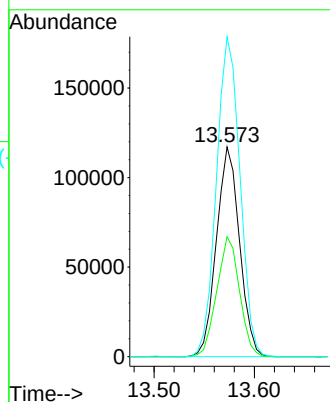
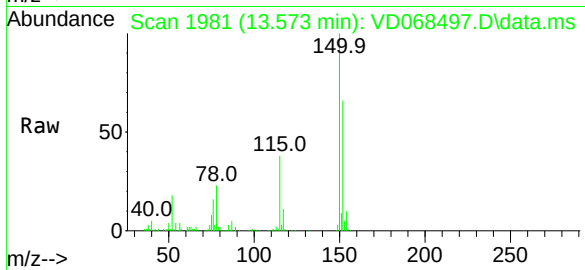




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

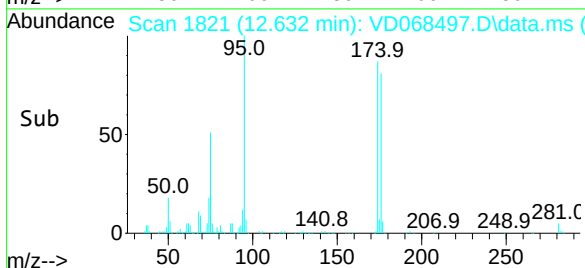
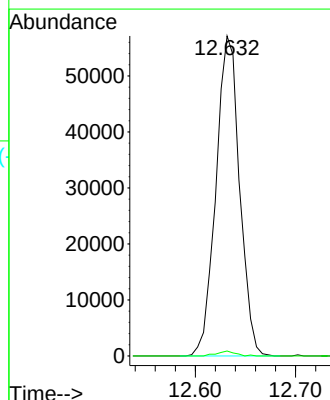
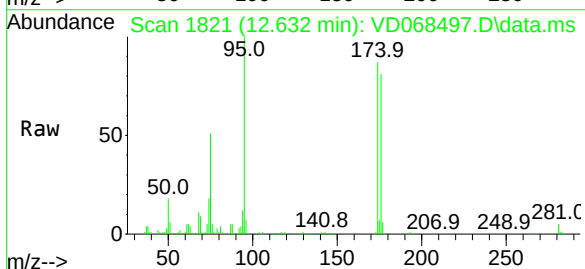
Instrument :
MSVOA_D
ClientSampleId :
TT-039-IDWSO-20210301

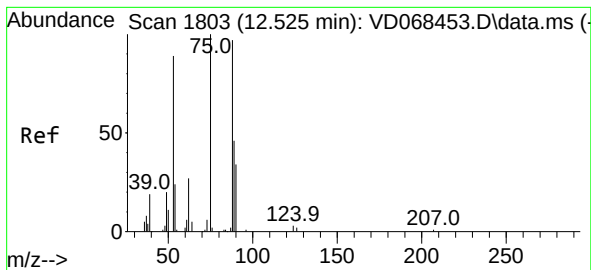
Tgt Ion:152 Resp: 187275
Ion Ratio Lower Upper
152 100
115 56.2 28.9 86.8
150 155.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 56.29 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068497.D
Acq: 02 Mar 2021 15:42

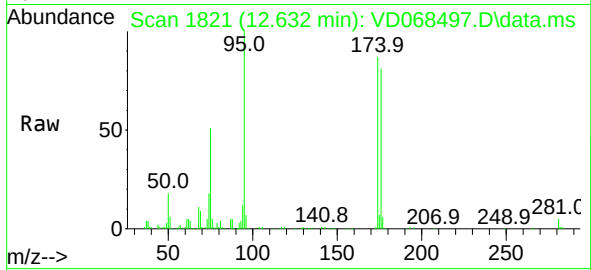
Tgt Ion: 75 Resp: 93590
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.37 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068497.D
 Acq: 02 Mar 2021 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-039-IDWSO-20210301



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	70.2	105.2#
89	0.1	40.3	60.5#

