

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069586.D
 Acq On : 06 Jul 2021 17:12
 Operator : VA/SY
 Sample : M2926-07RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3RE

Quant Time: Jul 07 04:54:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

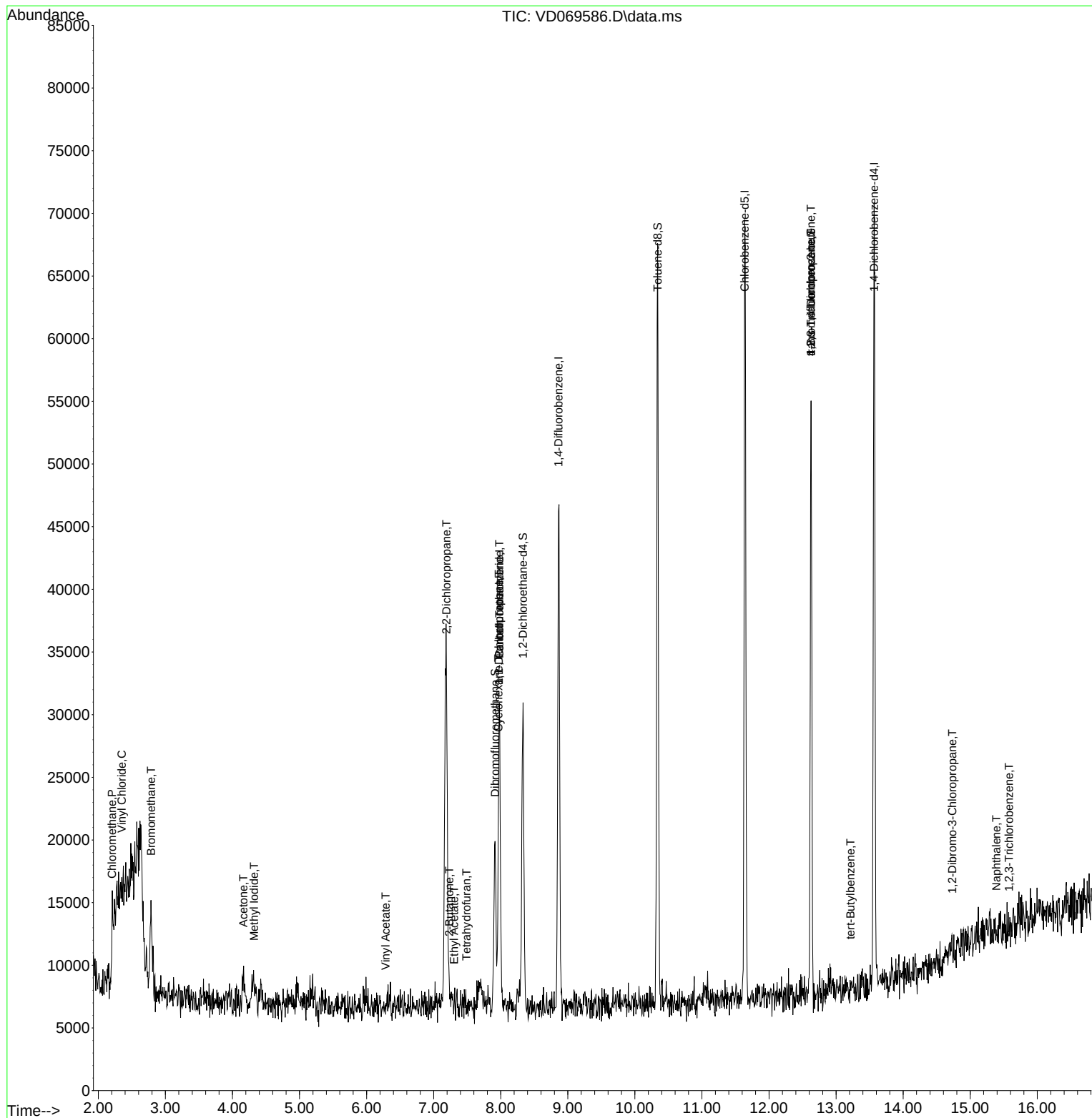
Internal Standards						
1) Pentafluorobenzene	7.979	168	16900	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	32236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	38039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	16449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	18869	89.573	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 179.140%#	
35) Dibromofluoromethane	7.914	113	9563	43.885	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.780%	
50) Toluene-d8	10.338	98	40599	49.671	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.340%	
62) 4-Bromofluorobenzene	12.626	95	15738	58.568	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.140%	
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	2423	10.219	ug/l	# 74
4) Vinyl Chloride	2.350	62	385	1.457	ug/l	# 42
5) Bromomethane	2.785	94	4846	29.804	ug/l	# 83
10) Methyl Iodide	4.320	142	3767	23.550	ug/l	# 81
11) Tert butyl alcohol	5.220	59	407	Below Cal	#	83
16) Acetone	4.162	43	3989	112.503	ug/l	# 72
18) Methyl Acetate	4.703	43	137	Below Cal	#	49
20) Methylene Chloride	4.956	84	828	Below Cal	#	77
23) Vinyl Acetate	6.285	43	62	19.202	ug/l	# 70
25) 2-Butanone	7.232	43	389	8.634	ug/l	# 44
26) 2,2-Dichloropropane	7.191	77	984	3.223	ug/l	# 53
29) Tetrahydrofuran	7.491	42	63	2.550	ug/l	# 31
31) Cyclohexane	7.967	56	546	1.925	ug/l	# 14
36) 1,1-Dichloropropene	7.973	75	1823	5.762	ug/l	# 46
37) Ethyl Acetate	7.303	43	136	1.158	ug/l	# 67
38) Carbon Tetrachloride	7.979	117	2100	6.707	ug/l	# 13
76) 1,2,3-Trichloropropane	12.626	75	7856	48.654	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	7856	121.481	ug/l	# 12
83) tert-Butylbenzene	13.214	119	75	2.077	ug/l	# 38
92) 1,2-Dibromo-3-Chloropr...	14.732	75	64	1.853	ug/l	# 4
95) Naphthalene	15.390	128	304	3.908	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.579	180	232	1.035	ug/l	# 37

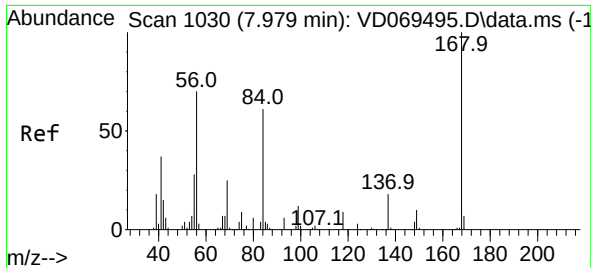
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

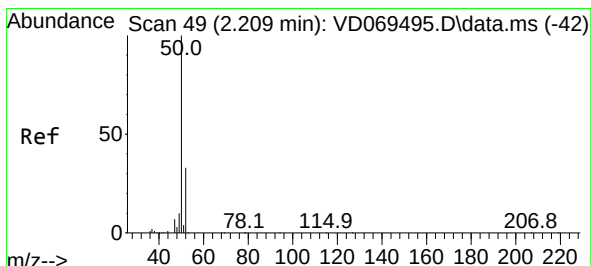
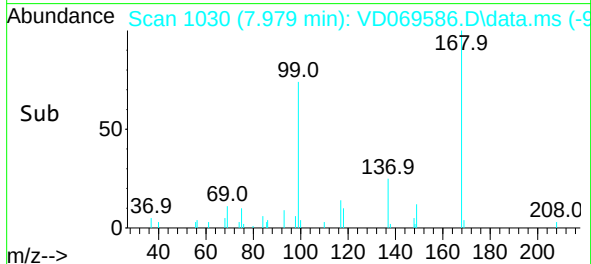
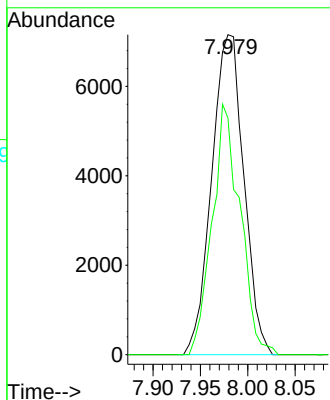
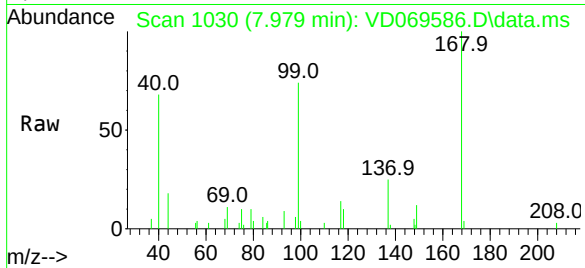




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

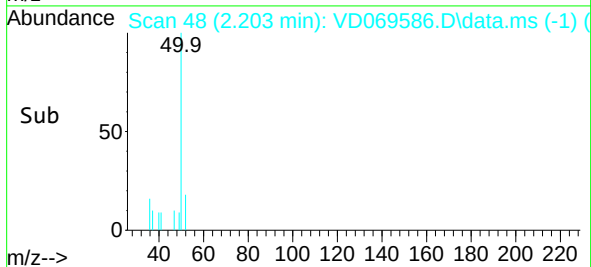
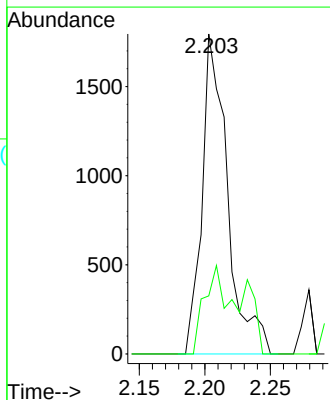
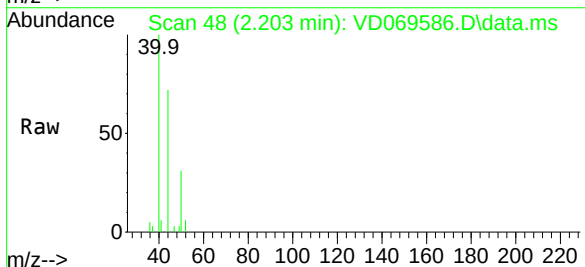
Instrument :
MSVOA_D
ClientSampled :
TP-3RE

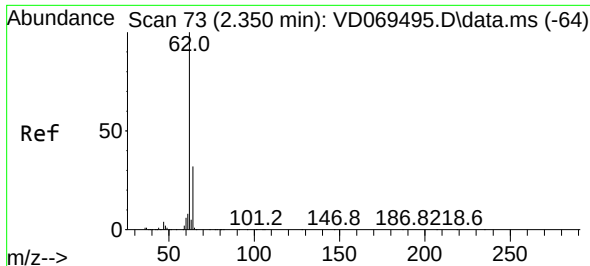
Tgt Ion:168 Resp: 16900
Ion Ratio Lower Upper
168 100
99 74.0 49.3 73.9#



#3
Chloromethane
Concen: 10.219 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion: 50 Resp: 2423
Ion Ratio Lower Upper
50 100
52 18.2 26.3 39.5#

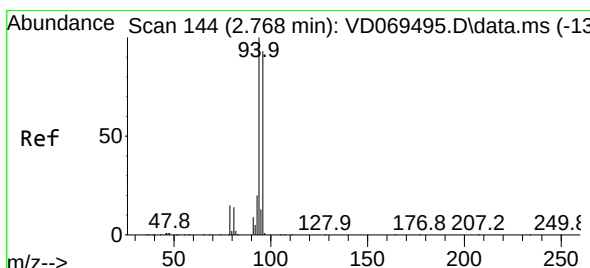
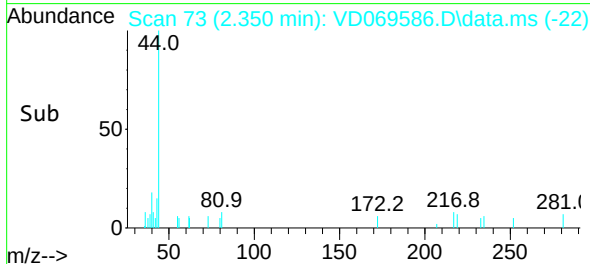
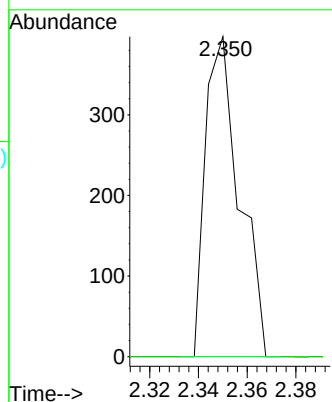
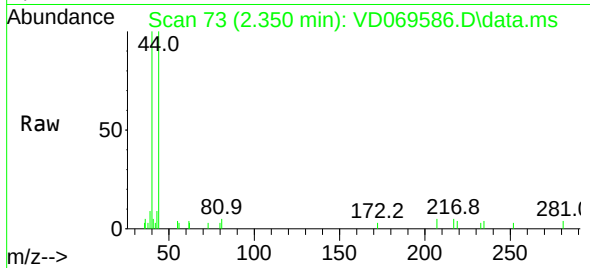




#4
 Vinyl Chloride
 Concen: 1.457 ug/l
 RT: 2.350 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: VD069586.D
 Acq: 06 Jul 2021 17:12

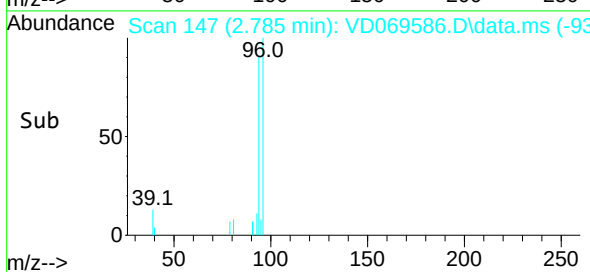
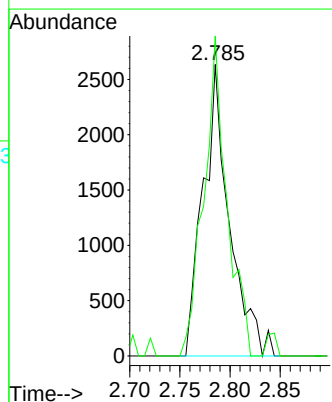
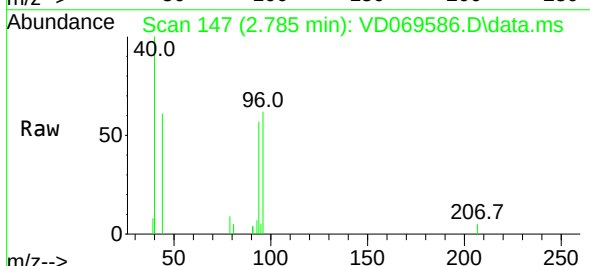
Instrument :
 MSVOA_D
 ClientSampled :
 TP-3RE

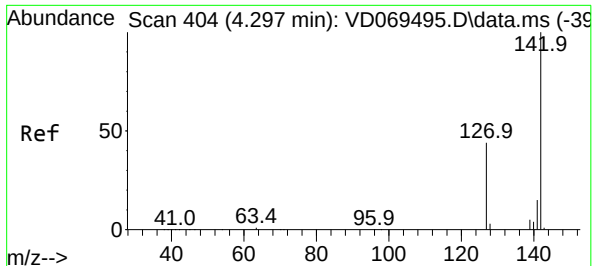
Tgt Ion: 62 Resp: 385
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.8 38.8#



#5
 Bromomethane
 Concen: 29.804 ug/l
 RT: 2.785 min Scan# 147
 Delta R.T. 0.017 min
 Lab File: VD069586.D
 Acq: 06 Jul 2021 17:12

Tgt Ion: 94 Resp: 4846
 Ion Ratio Lower Upper
 94 100
 96 109.8 74.6 111.8

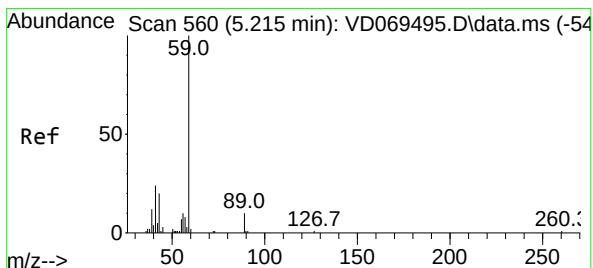
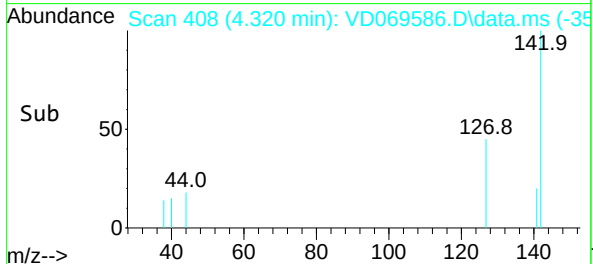
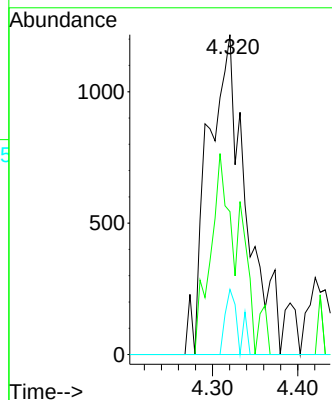
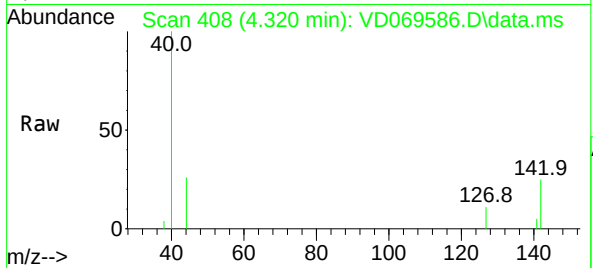




#10
Methyl Iodide
Concen: 23.550 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

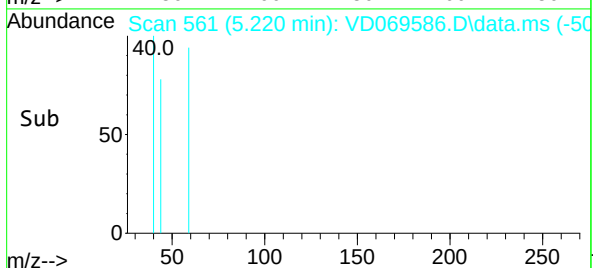
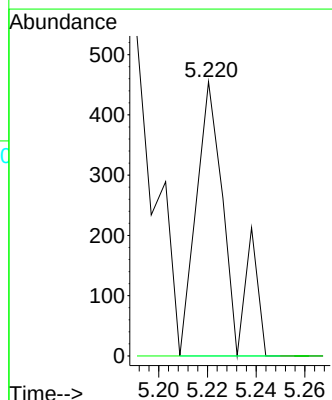
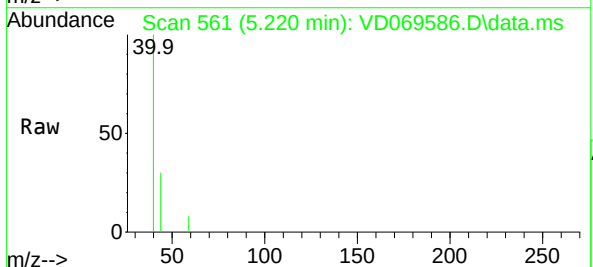
Instrument :
MSVOA_D
ClientSampled :
TP-3RE

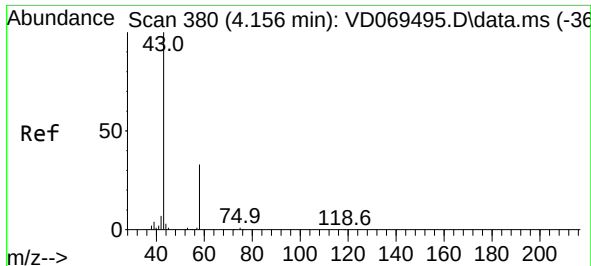
Tgt Ion:142 Resp: 3767
Ion Ratio Lower Upper
142 100
127 33.2 36.5 54.7#
141 7.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

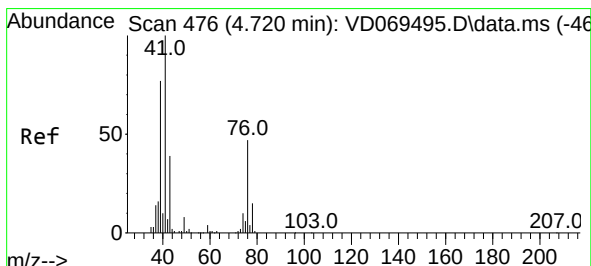
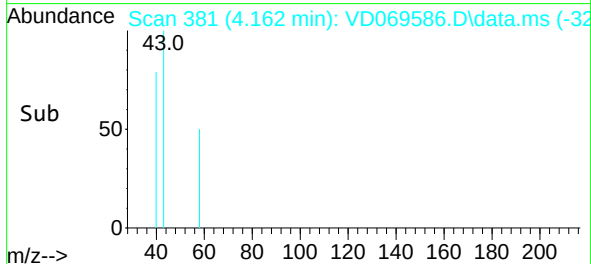
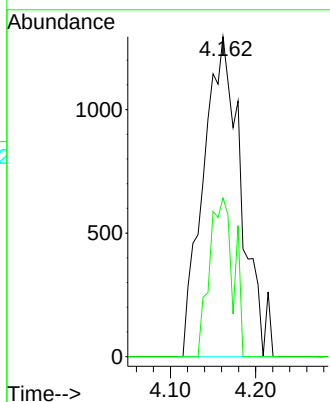
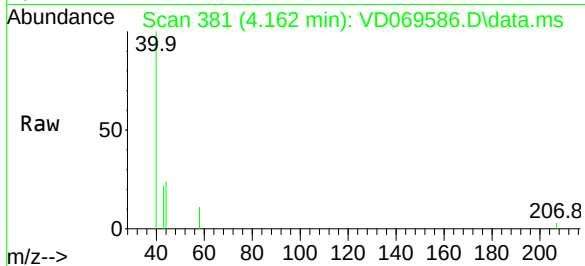




#16
Acetone
Concen: 112.503 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

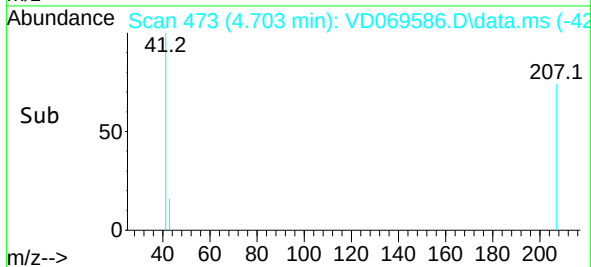
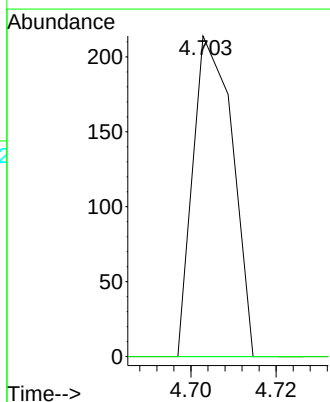
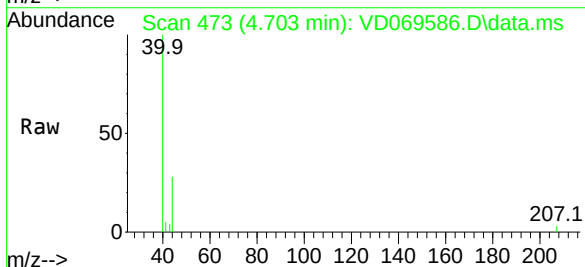
Instrument :
MSVOA_D
ClientSampled :
TP-3RE

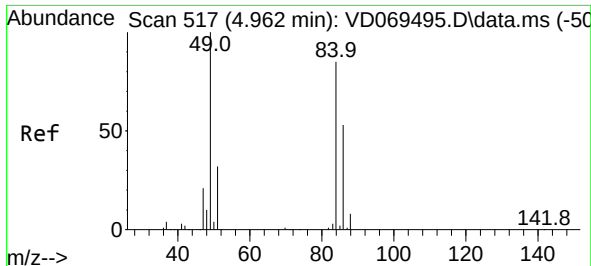
Tgt Ion: 43 Resp: 3989
Ion Ratio Lower Upper
43 100
58 49.6 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.017 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

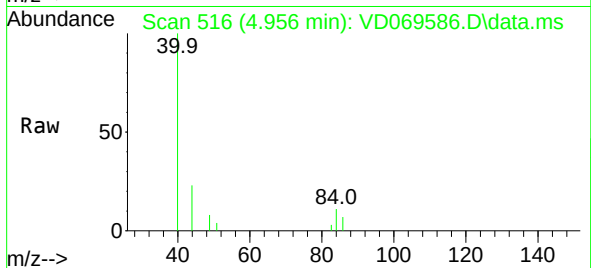
Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



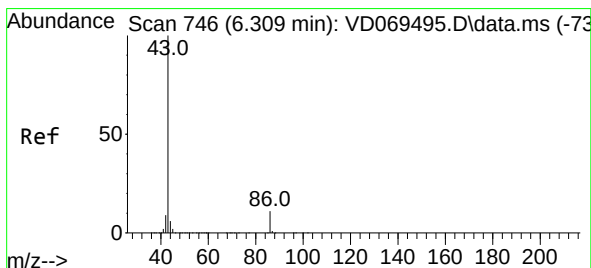
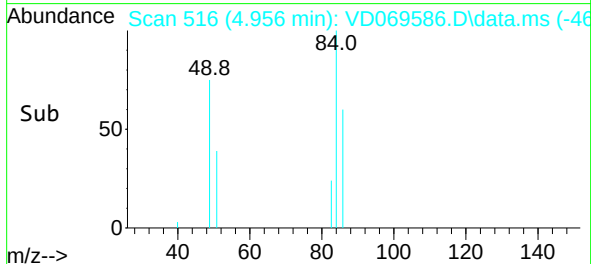
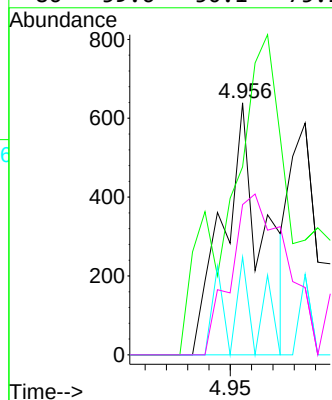


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

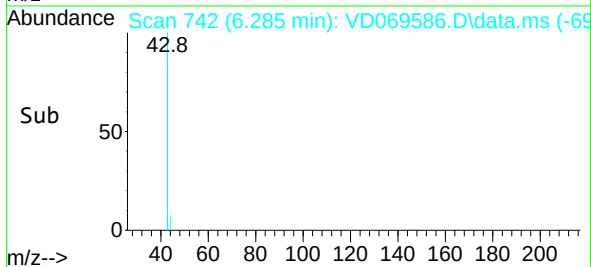
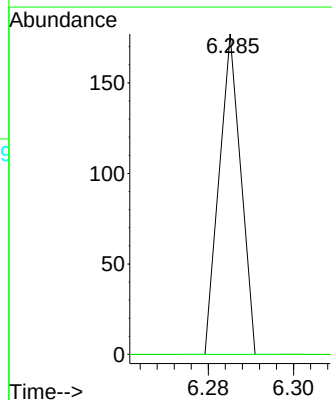
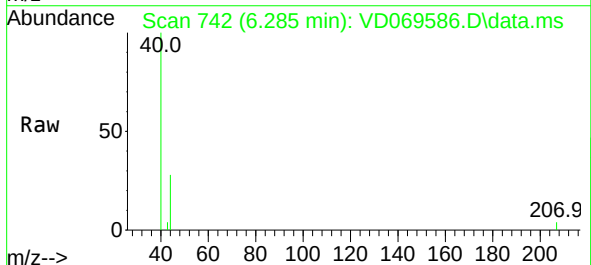


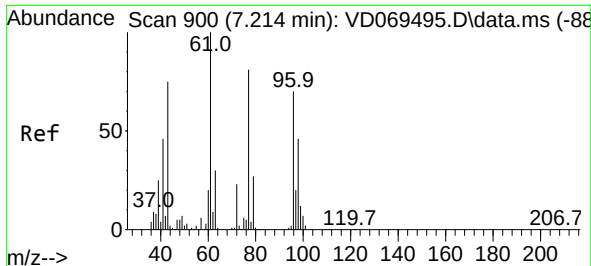
Tgt Ion: 84	Resp: 828
Ion Ratio	Lower Upper
84 100	
49 74.6	94.0 141.0#
51 38.8	29.7 44.5
86 59.6	50.1 75.1



#23
Vinyl Acetate
Concen: 19.202 ug/l
RT: 6.285 min Scan# 742
Delta R.T. -0.024 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion: 43	Resp: 62		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	9.1	13.7#	

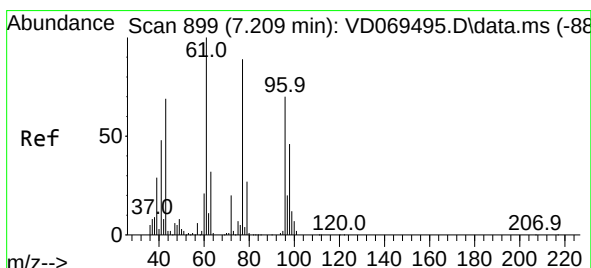
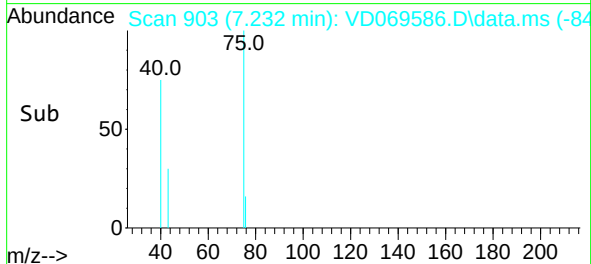
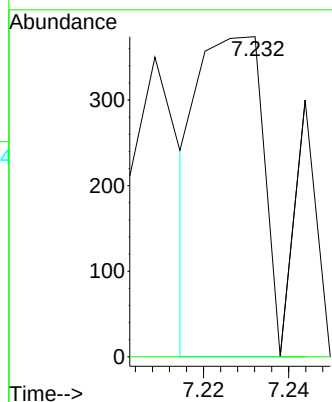
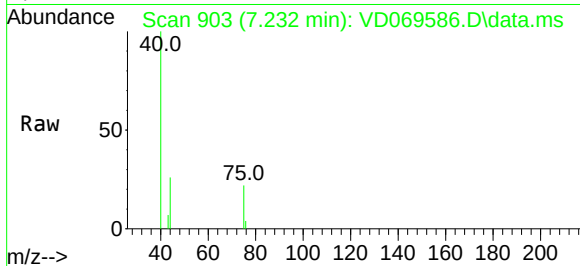




#25
2-Butanone
Concen: 8.634 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.018 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

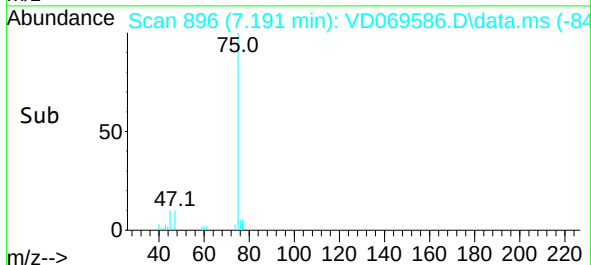
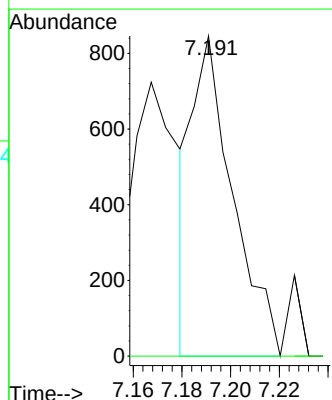
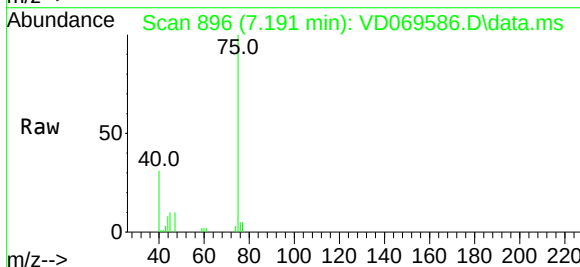
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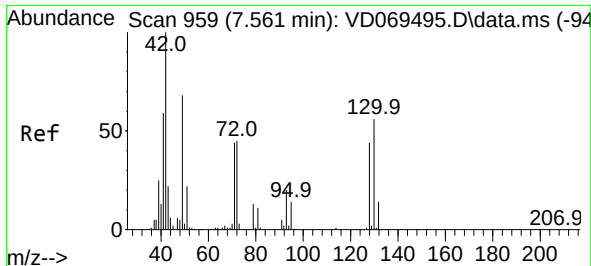
Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#26
2,2-Dichloropropane
Concen: 3.223 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion: 77 Resp: 984
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#





#29

Tetrahydrofuran

Concen: 2.550 ug/l

RT: 7.491 min Scan# 947

Delta R.T. -0.071 min

Lab File: VD069586.D

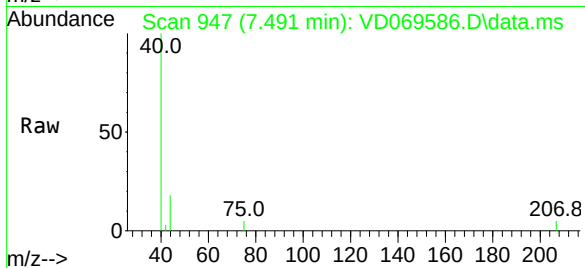
Acq: 06 Jul 2021 17:12

Instrument :

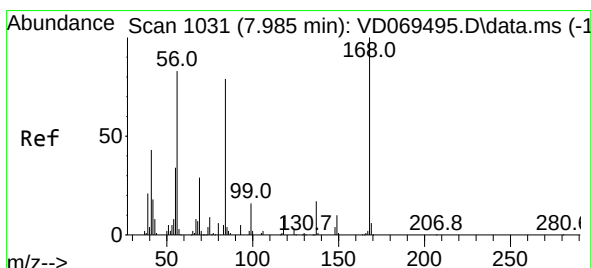
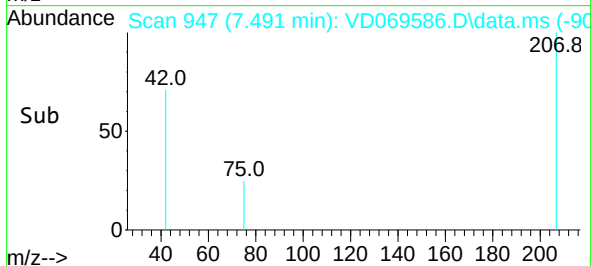
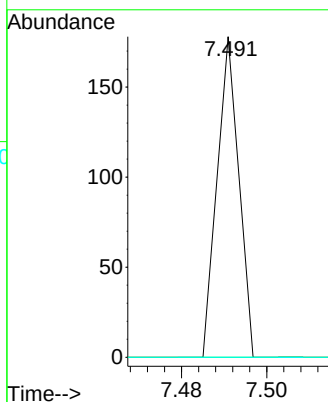
MSVOA_D

ClientSampled :

TP-3RE



Tgt Ion:	42	Resp:	63
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.9	56.9#
71	0.0	35.1	52.7#



#31

Cyclohexane

Concen: 1.925 ug/l

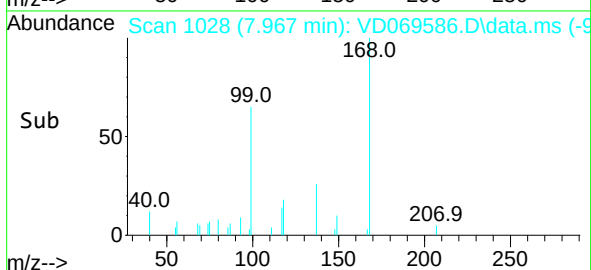
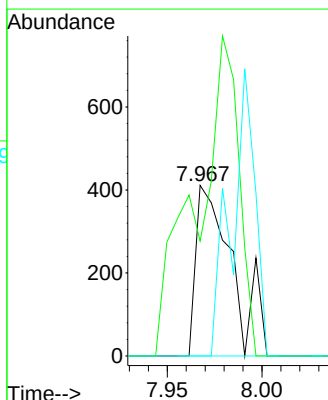
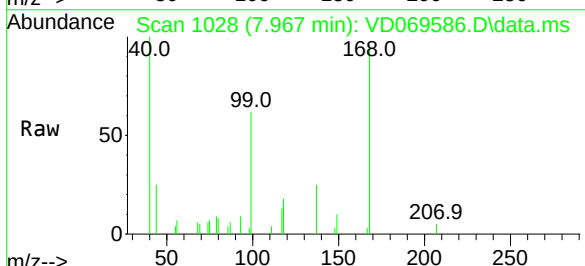
RT: 7.967 min Scan# 1028

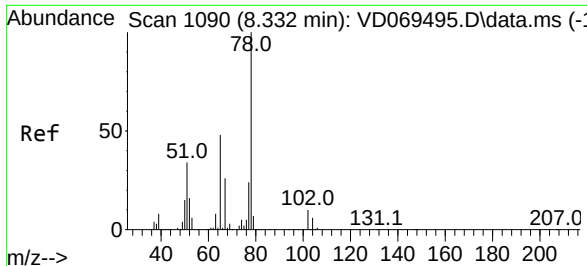
Delta R.T. -0.018 min

Lab File: VD069586.D

Acq: 06 Jul 2021 17:12

Tgt Ion:	56	Resp:	546
Ion	Ratio	Lower	Upper
56	100		
69	67.4	28.0	42.0#
84	0.0	75.7	113.5#

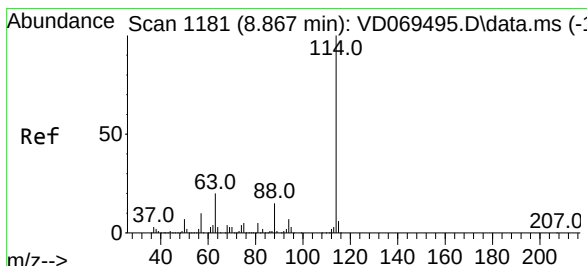
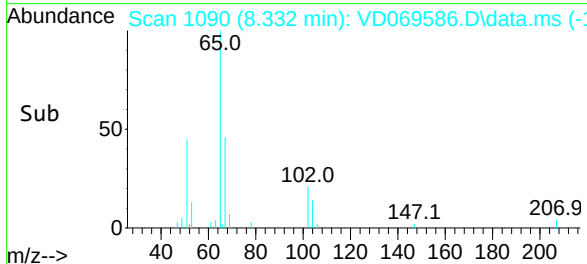
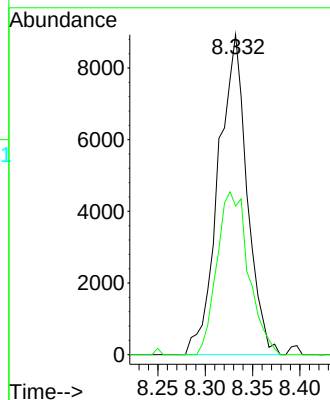
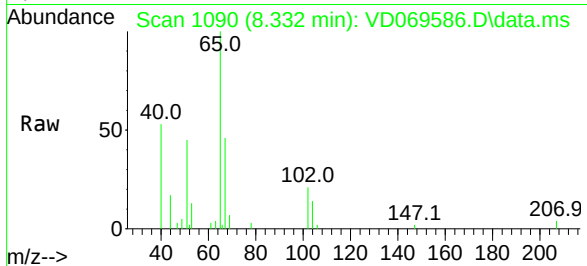




#33
1,2-Dichloroethane-d4
Concen: 89.573 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

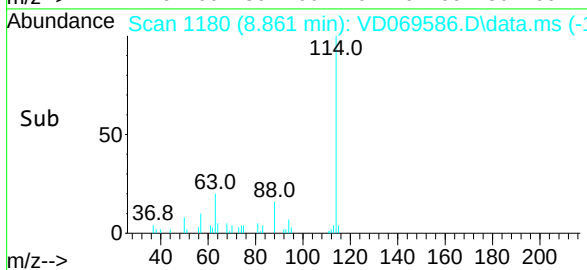
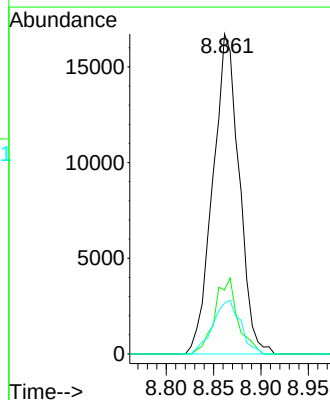
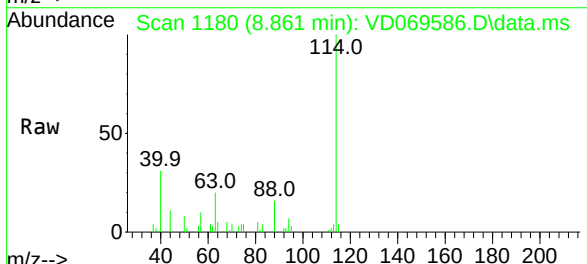
Instrument :
MSVOA_D
ClientSampled :
TP-3RE

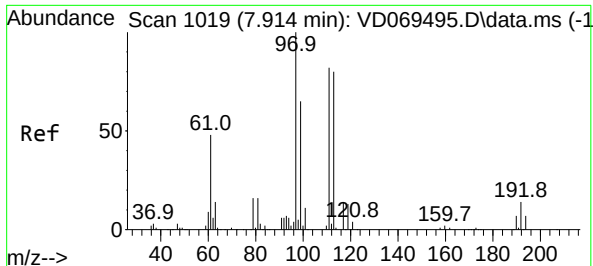
Tgt Ion: 65 Resp: 18869
Ion Ratio Lower Upper
65 100
67 55.9 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

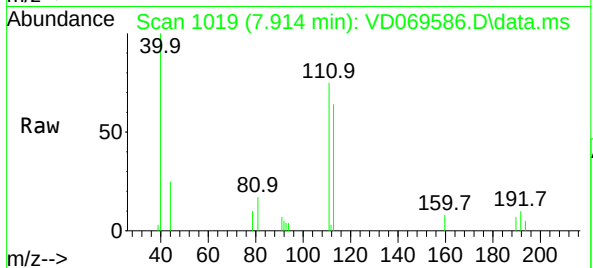
Tgt Ion: 114 Resp: 32236
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.6
88 15.9 0.0 29.8



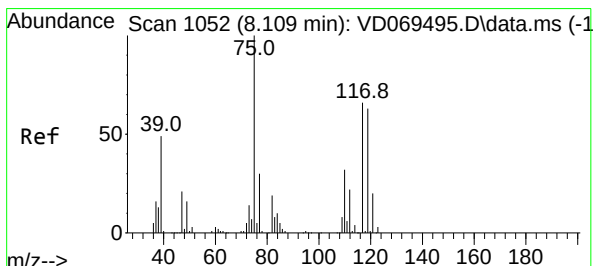
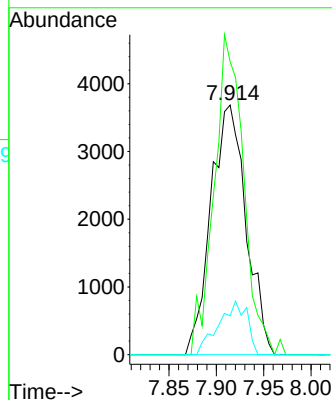
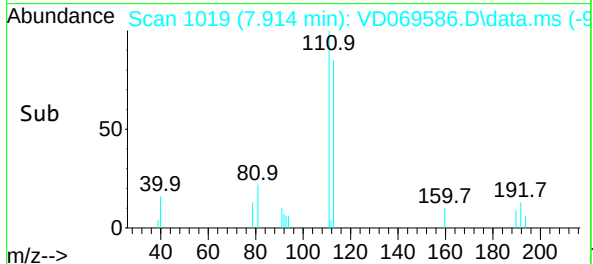


#35
Dibromofluoromethane
Concen: 43.885 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

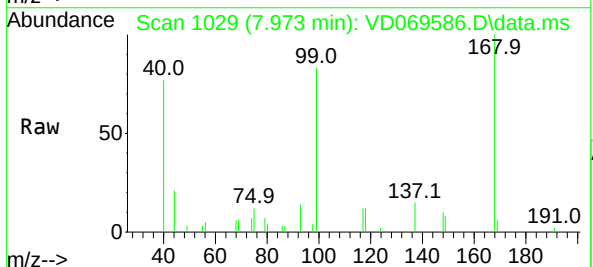
Instrument :
MSVOA_D
ClientSampled :
TP-3RE



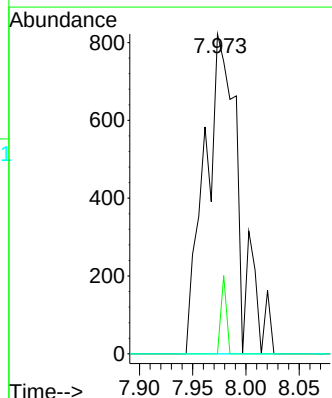
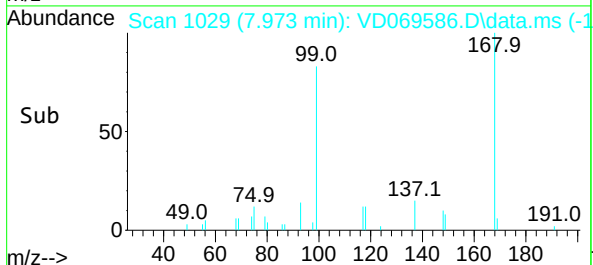
Tgt Ion:113 Resp: 9563
Ion Ratio Lower Upper
113 100
111 107.1 81.8 122.8
192 17.3 13.8 20.6

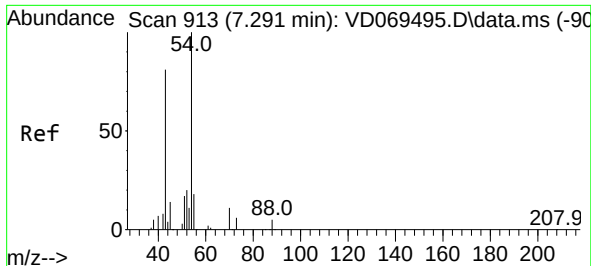


#36
1,1-Dichloropropene
Concen: 5.762 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12



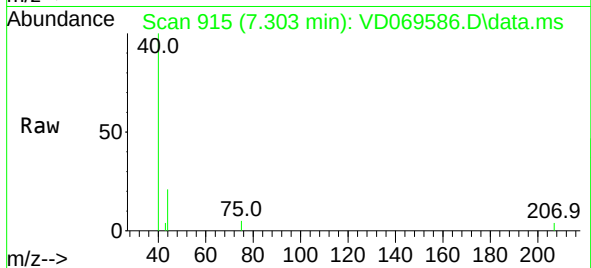
Tgt Ion: 75 Resp: 1823
Ion Ratio Lower Upper
75 100
110 3.9 16.8 50.4#
77 0.0 24.3 36.5#



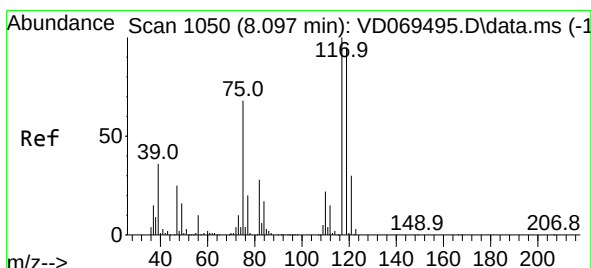
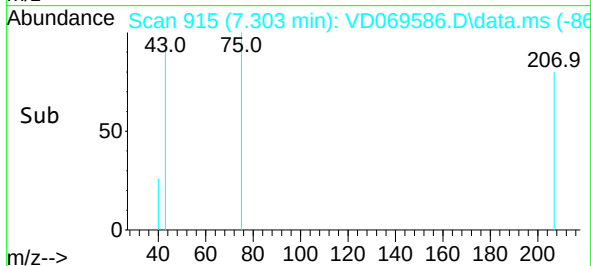
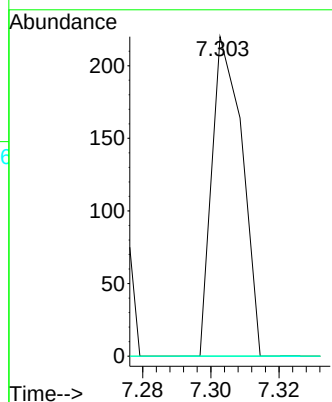


#37
Ethyl Acetate
Concen: 1.158 ug/l
RT: 7.303 min Scan# 915
Delta R.T. 0.012 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Instrument :
MSVOA_D
ClientSampled :
TP-3RE

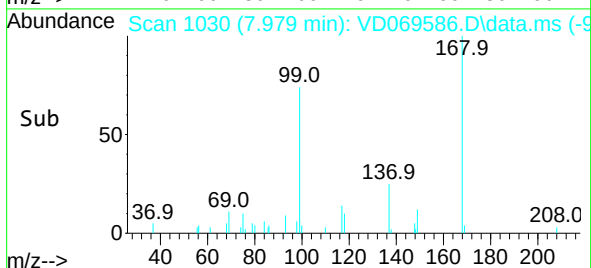
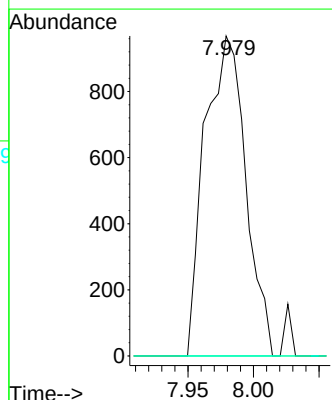
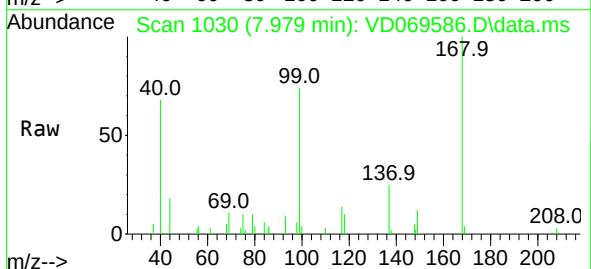


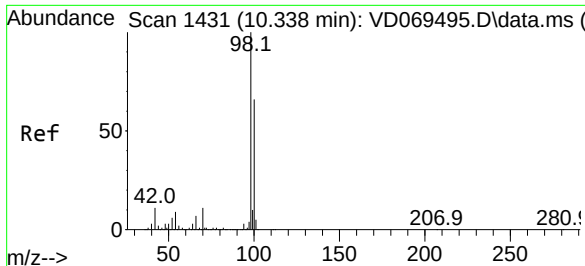
Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 6.707 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion: 117 Resp: 2100
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 23.8 35.8#

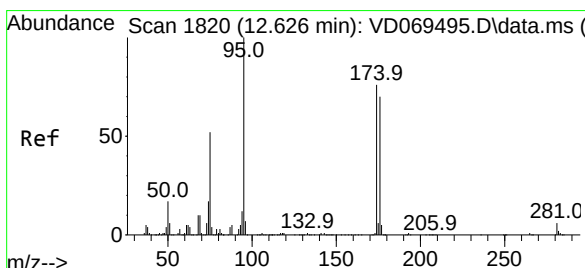
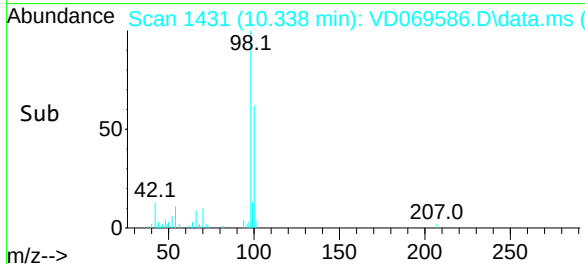
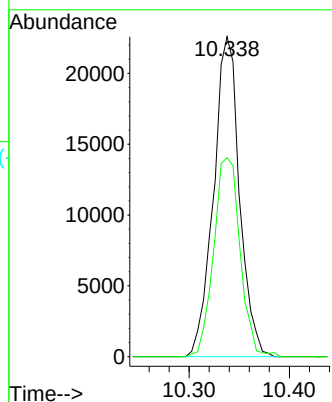
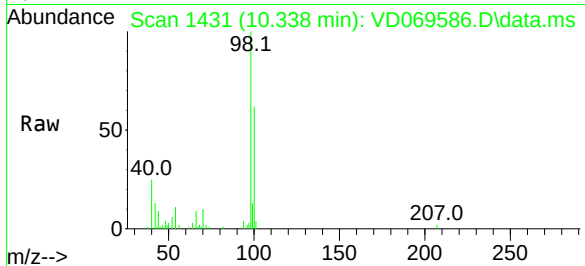




#50
Toluene-d8
Concen: 49.671 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

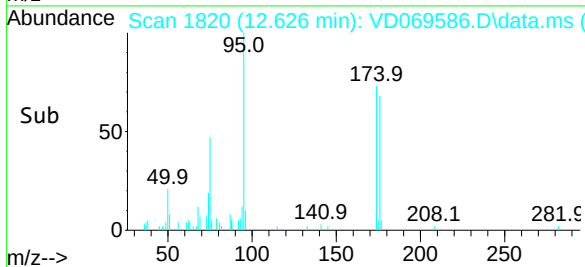
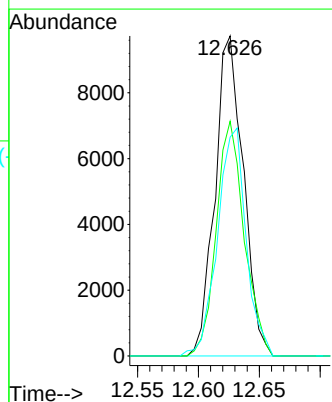
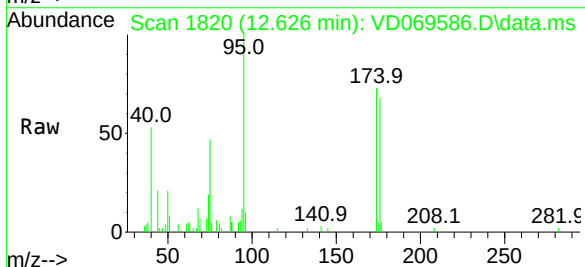
Instrument :
MSVOA_D
ClientSampled :
TP-3RE

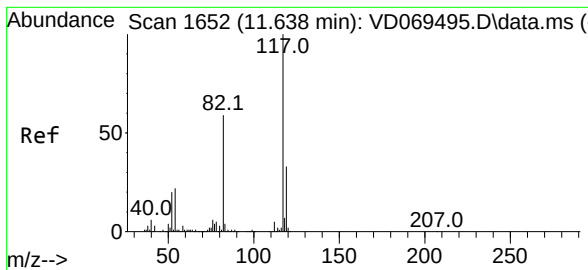
Tgt Ion: 98 Resp: 40599
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 58.568 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion: 95 Resp: 15738
Ion Ratio Lower Upper
95 100
174 72.5 0.0 148.0
176 71.9 0.0 139.8

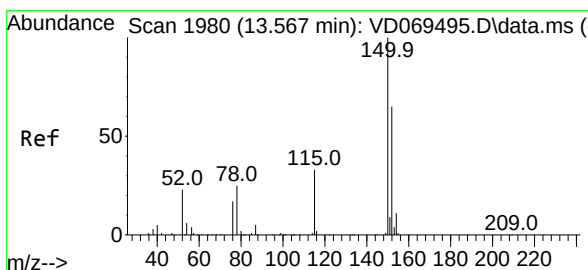
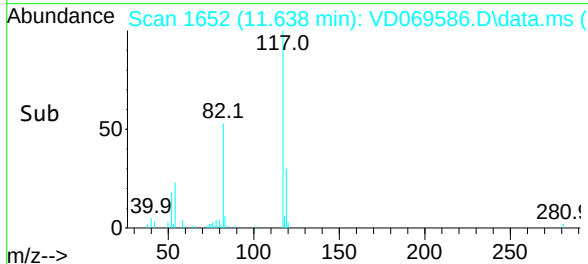
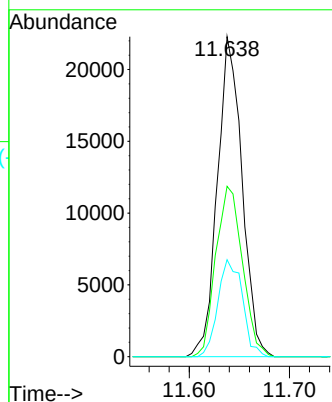
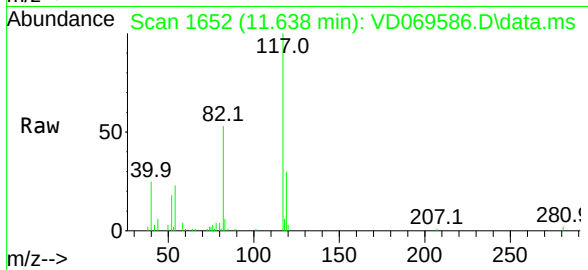




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

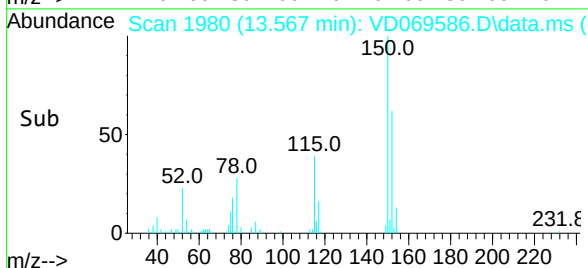
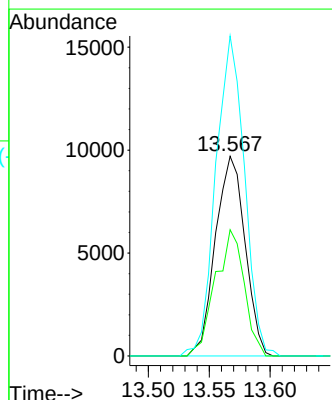
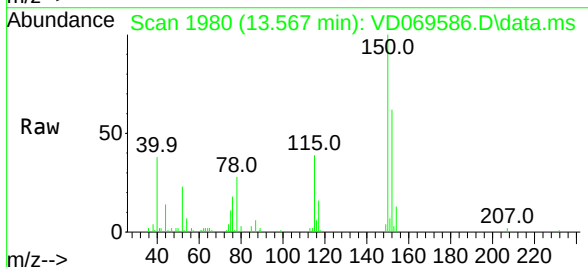
Instrument :
MSVOA_D
ClientSampled :
TP-3RE

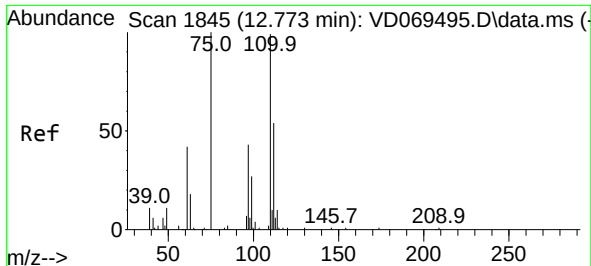
Tgt Ion:	117	Resp:	38039
Ion	Ratio	Lower	Upper
117	100		
82	53.2	46.8	70.2
119	30.3	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion:	152	Resp:	16449
Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.7	95.1
150	154.9	0.0	350.8

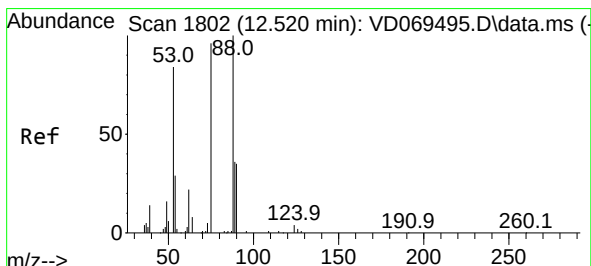
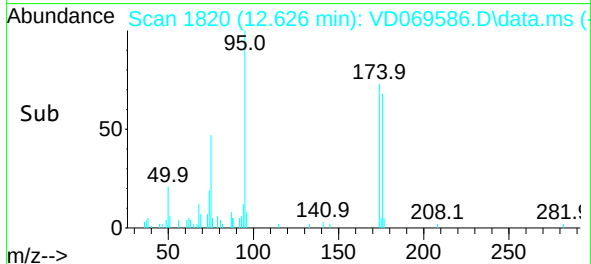
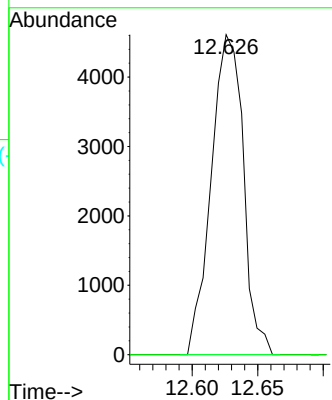
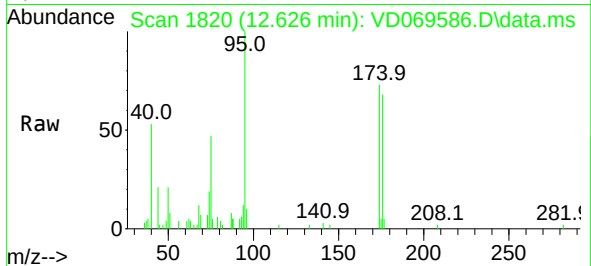




#76
1,2,3-Trichloropropane
Concen: 48.654 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

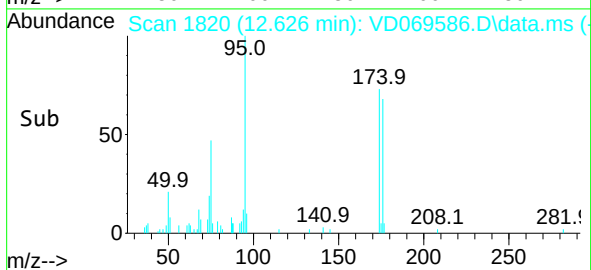
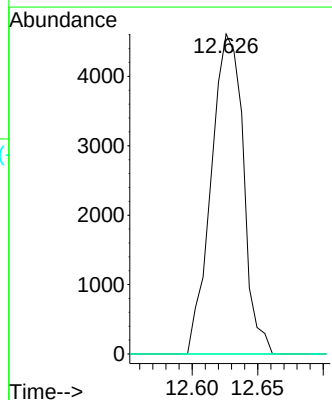
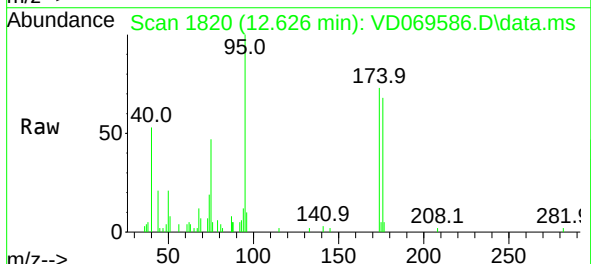
Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

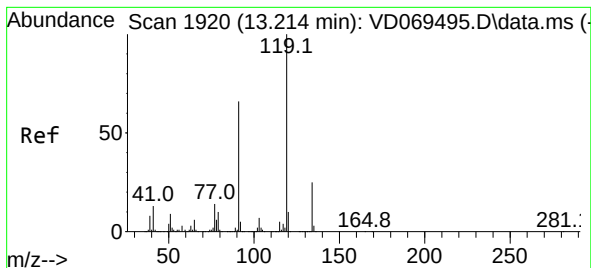
Tgt Ion: 75 Resp: 7856
Ion Ratio Lower Upper
75 100
77 0.0 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.481 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion: 75 Resp: 7856
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#

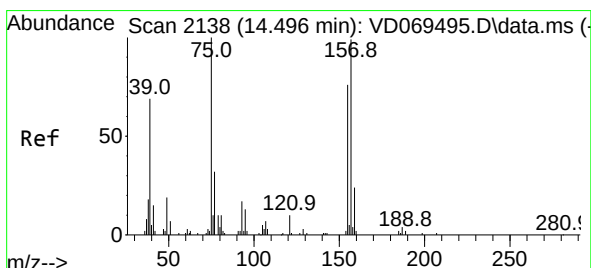
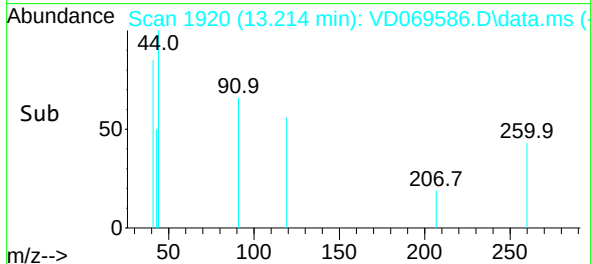
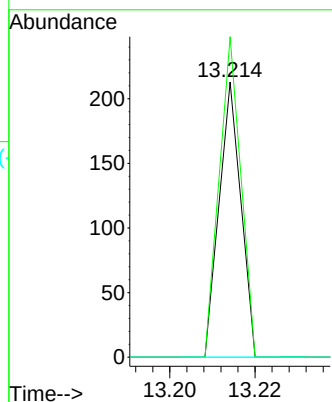
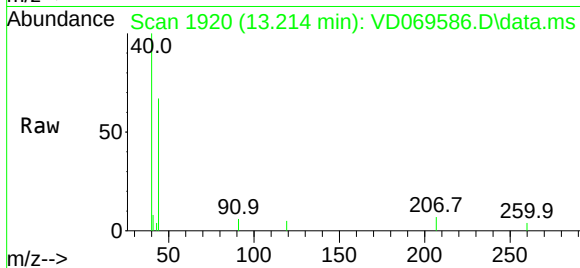




#83
tert-Butylbenzene
Concen: 2.077 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

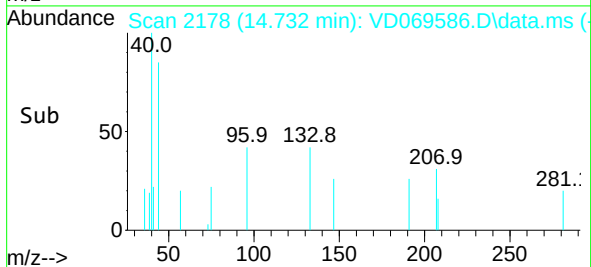
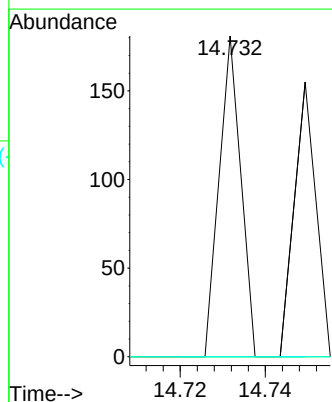
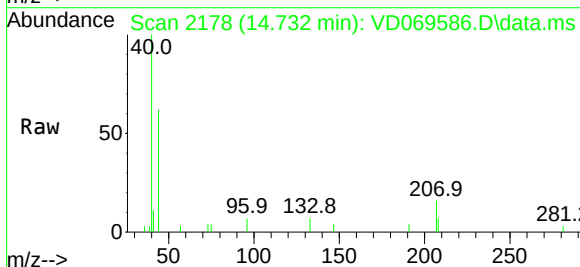
Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

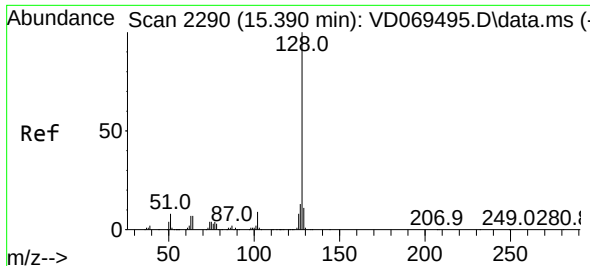
Tgt Ion:119 Resp: 75
Ion Ratio Lower Upper
119 100
91 117.3 32.5 97.4#
134 0.0 12.9 38.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.853 ug/l
RT: 14.732 min Scan# 2178
Delta R.T. 0.235 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion: 75 Resp: 64
Ion Ratio Lower Upper
75 100
155 0.0 39.4 118.1#
157 0.0 51.2 153.6#

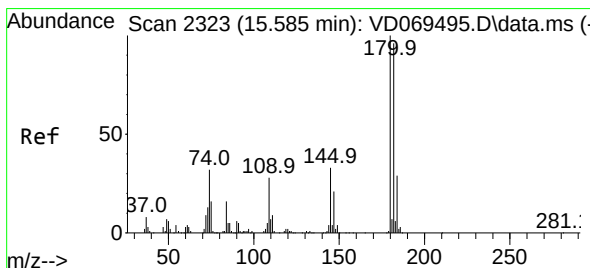
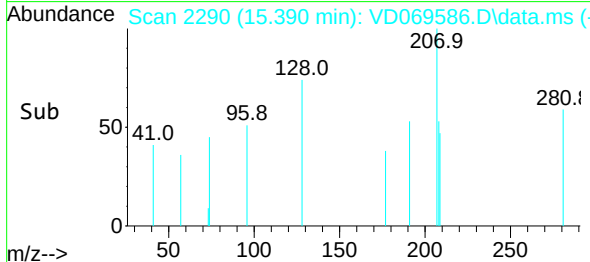
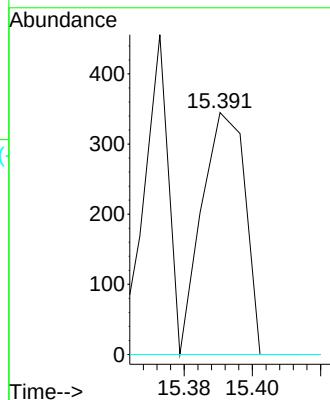
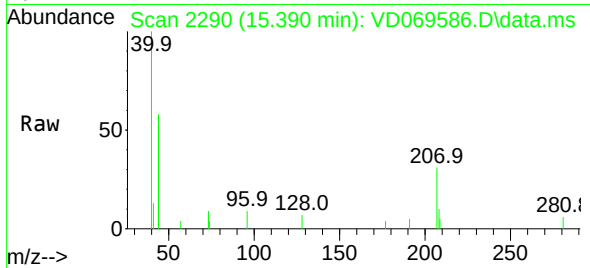




#95
Naphthalene
Concen: 3.908 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Instrument :
MSVOA_D
ClientSampleId :
TP-3RE

Tgt Ion:	128	Resp:	304
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.035 ug/l
RT: 15.579 min Scan# 2322
Delta R.T. -0.006 min
Lab File: VD069586.D
Acq: 06 Jul 2021 17:12

Tgt Ion:	180	Resp:	232
Ion	Ratio	Lower	Upper
180	100		
182	32.8	47.6	142.8#
145	0.0	17.1	51.2#

