

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069587.D
 Acq On : 06 Jul 2021 17:40
 Operator : VA/SY
 Sample : M2931-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-070221

Quant Time: Jul 07 04:54:25 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)

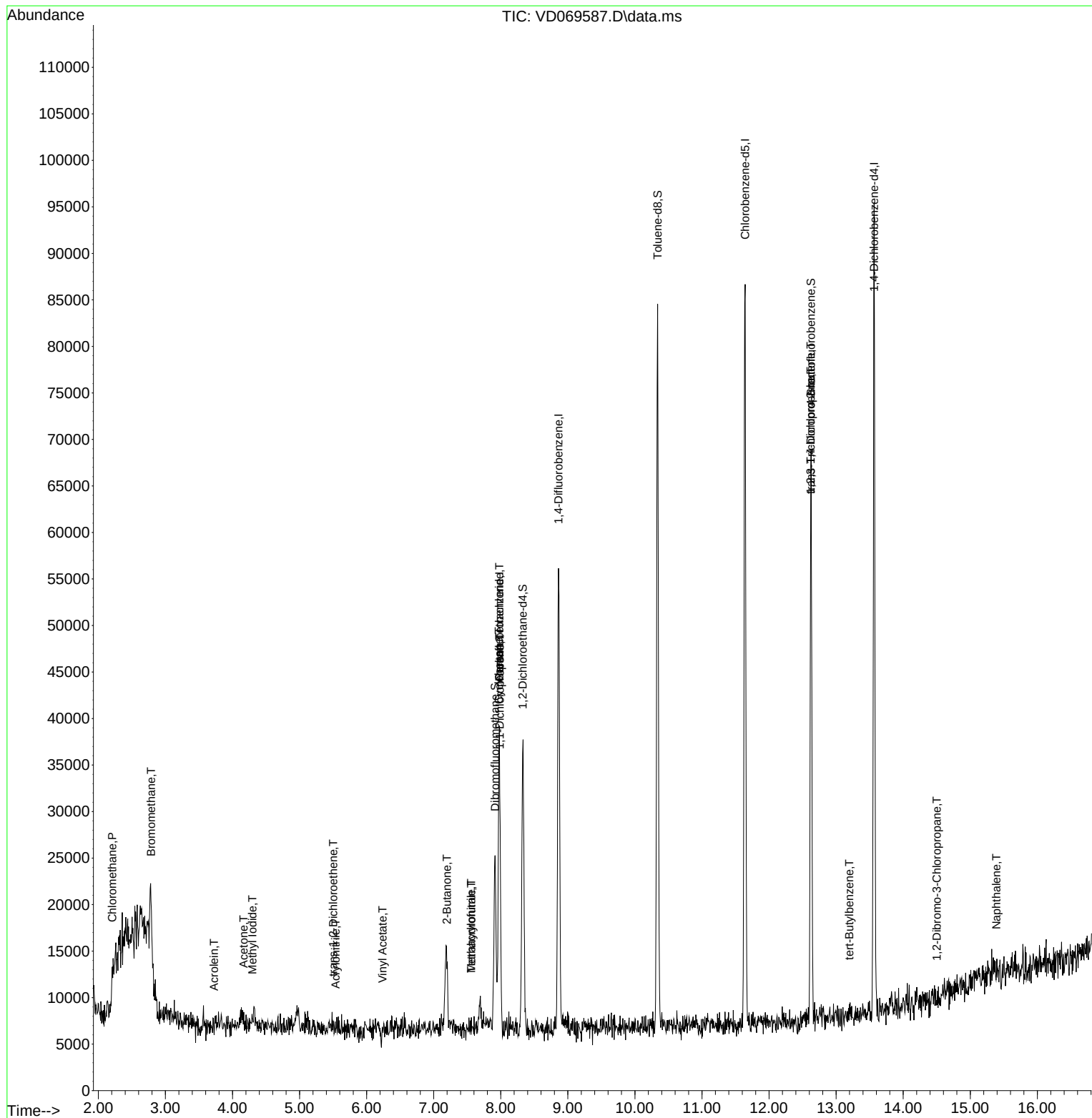
Internal Standards						
1) Pentafluorobenzene	7.979	168	22015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	41376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	48048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	21957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	24511	89.321	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	178.640%#
35) Dibromofluoromethane	7.914	113	13404	47.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.840%
50) Toluene-d8	10.337	98	51437	49.029	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.626	95	19600	56.828	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.208	50	1348	4.364	ug/l #	25
5) Bromomethane	2.785	94	3573	15.968	ug/l #	28
10) Methyl Iodide	4.297	142	675	6.638	ug/l #	39
11) Tert butyl alcohol	5.196	59	236	Below Cal	#	83
13) Acrolein	3.726	56	56	3.666	ug/l #	15
15) Acrylonitrile	5.538	53	64	1.410	ug/l #	17
16) Acetone	4.167	43	1322	28.622	ug/l #	80
18) Methyl Acetate	4.714	43	86	Below Cal	#	49
20) Methylene Chloride	4.967	84	1315	Below Cal	#	38
21) trans-1,2-Dichloroethene	5.502	96	296	1.129	ug/l #	1
23) Vinyl Acetate	6.238	43	60	19.153	ug/l #	70
25) 2-Butanone	7.196	43	373	6.355	ug/l #	44
29) Tetrahydrofuran	7.561	42	219	6.806	ug/l #	31
31) Cyclohexane	7.973	56	630	1.705	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	2396	5.900	ug/l #	43
38) Carbon Tetrachloride	7.979	117	2291	5.700	ug/l #	13
41) Methacrylonitrile	7.561	41	139	1.585	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	10268	47.639	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	10268	118.949	ug/l #	12
83) tert-Butylbenzene	13.196	119	281	2.229	ug/l #	51
92) 1,2-Dibromo-3-Chloropr...	14.502	75	66	1.432	ug/l #	4
95) Naphthalene	15.390	128	382	3.875	ug/l #	66

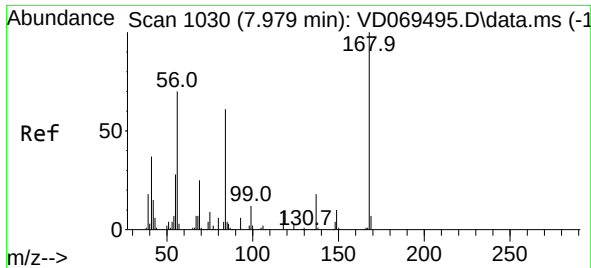
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
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QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

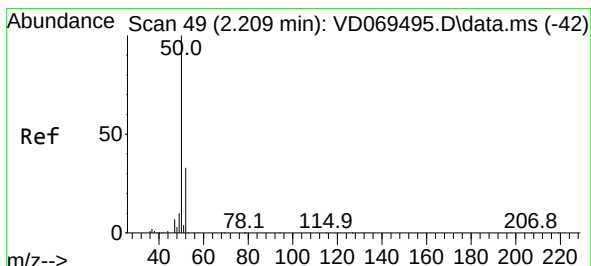
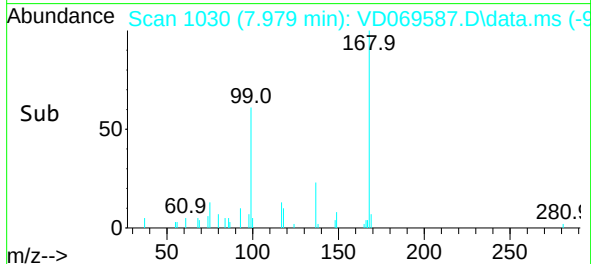
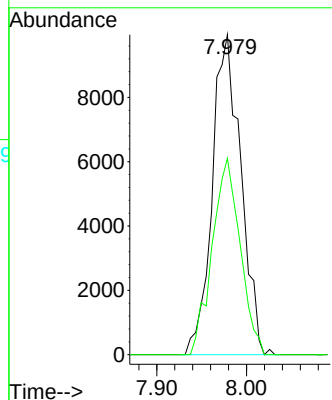
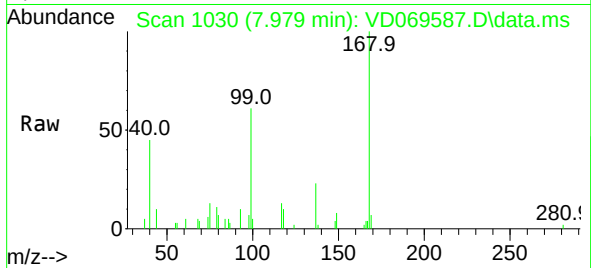




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

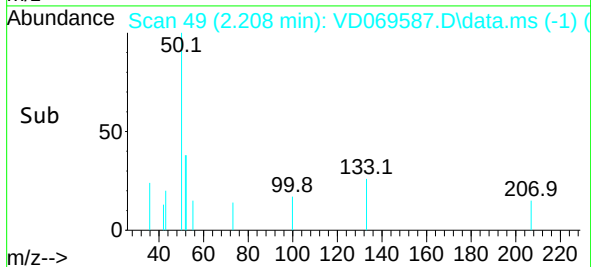
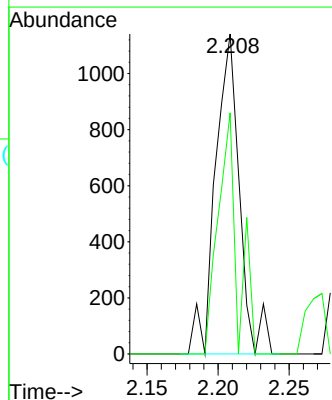
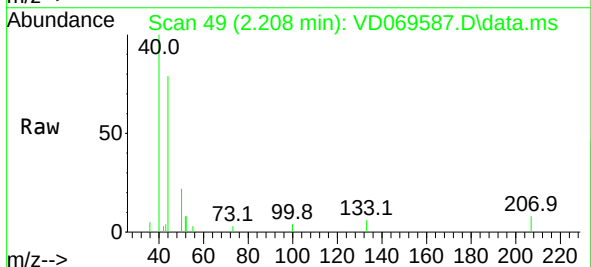
Instrument :
MSVOA_D
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HD-01-070221

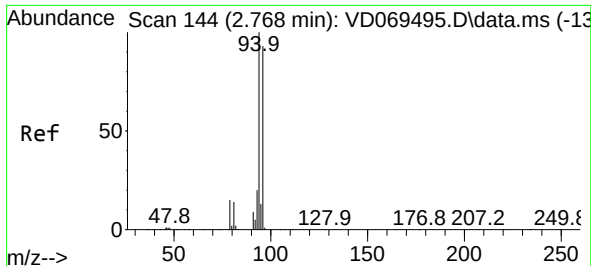
Tgt Ion:168 Resp: 22015
Ion Ratio Lower Upper
168 100
99 61.4 49.3 73.9



#3
Chloromethane
Concen: 4.364 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 50 Resp: 1348
Ion Ratio Lower Upper
50 100
52 75.4 26.3 39.5#

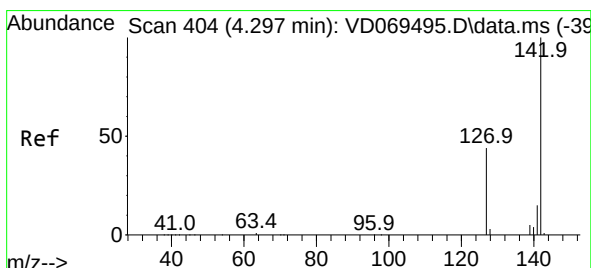
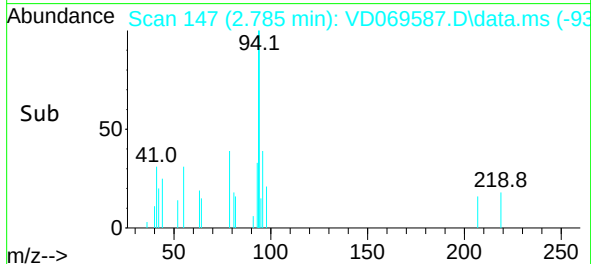
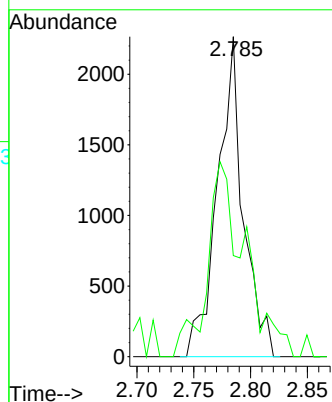
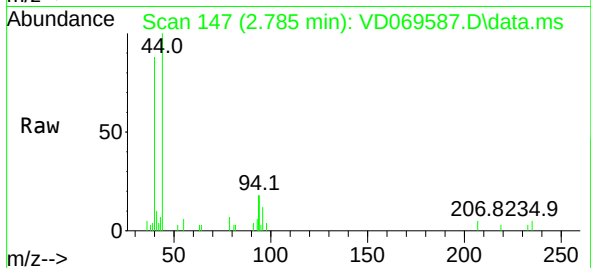




#5
Bromomethane
Concen: 15.968 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

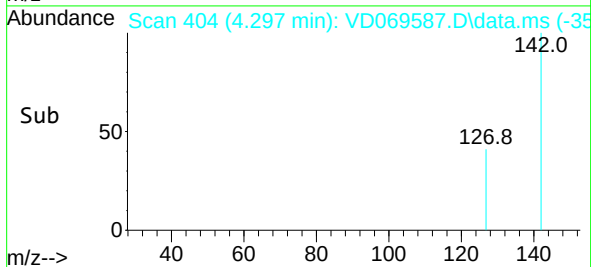
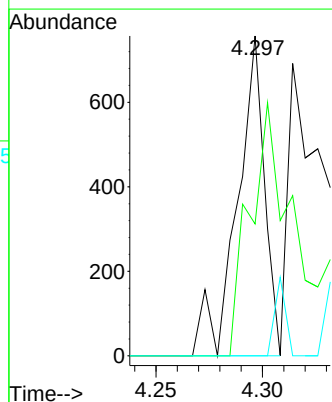
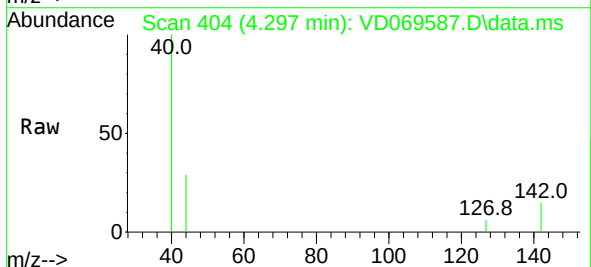
Instrument :
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ClientSampleId :
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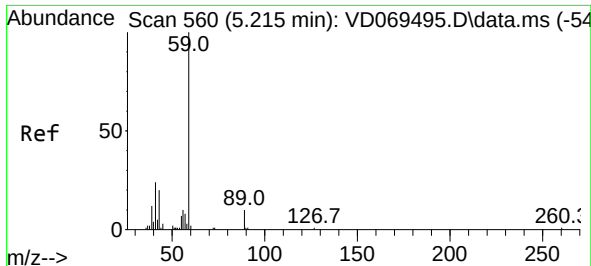
Tgt Ion: 94 Resp: 3573
Ion Ratio Lower Upper
94 100
96 24.4 74.6 111.8#



#10
Methyl Iodide
Concen: 6.638 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 142 Resp: 675
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#

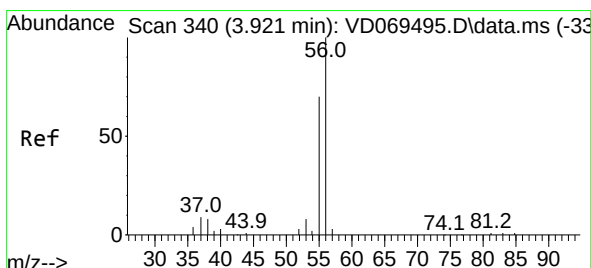
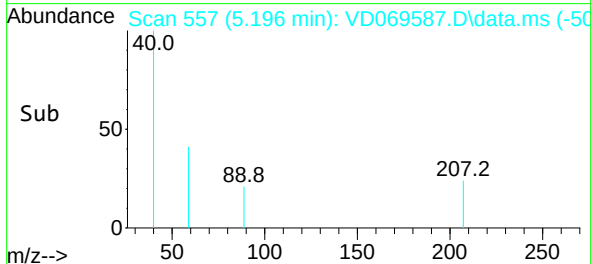
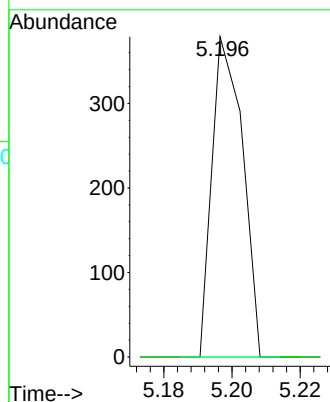
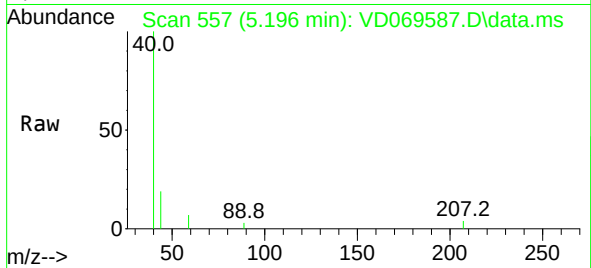




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.196 min Scan# 557
Delta R.T. -0.019 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

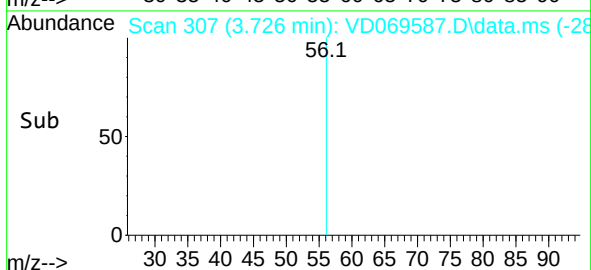
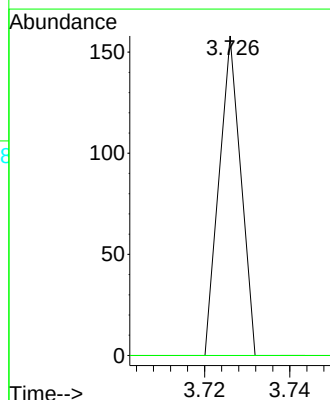
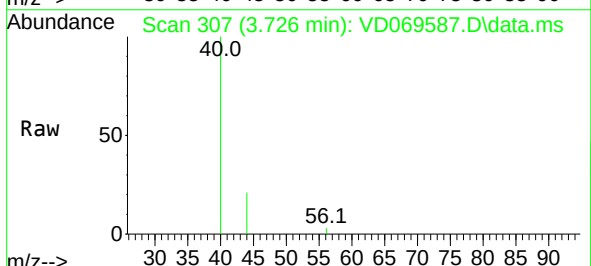
Instrument :
MSVOA_D
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HD-01-070221

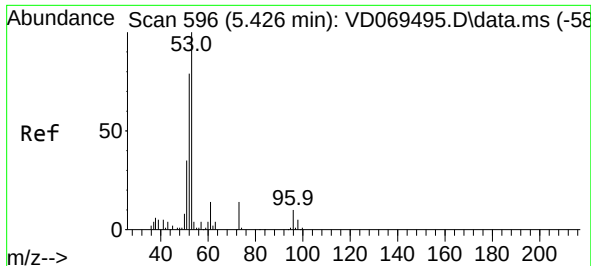
Tgt Ion: 59 Resp: 236
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#



#13
Acrolein
Concen: 3.666 ug/l
RT: 3.726 min Scan# 307
Delta R.T. -0.195 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

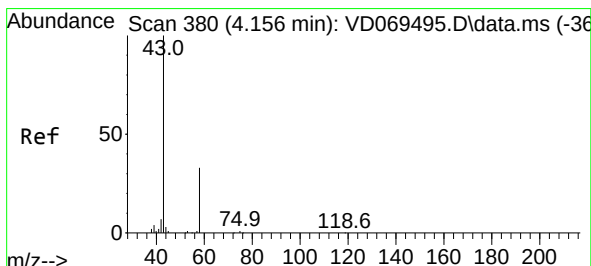
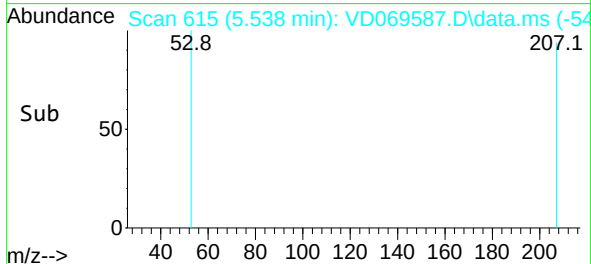
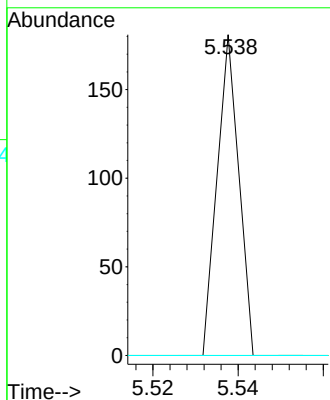
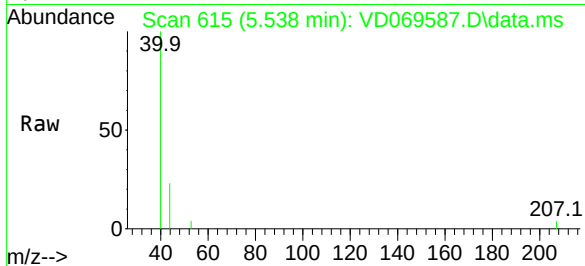




#15
Acrylonitrile
Concen: 1.410 ug/l
RT: 5.538 min Scan# 615
Delta R.T. 0.111 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

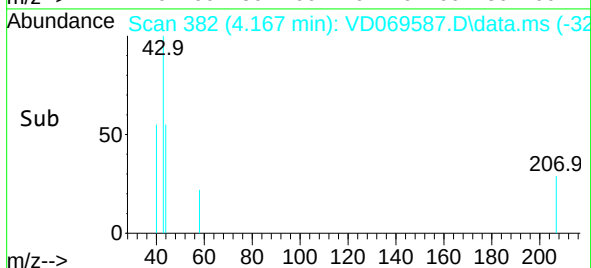
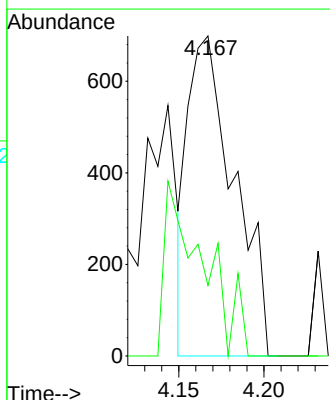
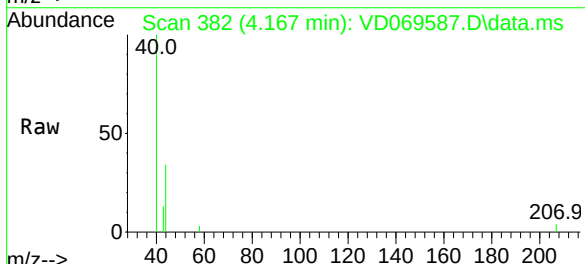
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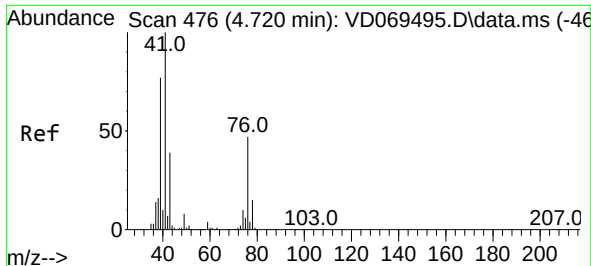
Tgt Ion: 53 Resp: 64
Ion Ratio Lower Upper
53 100
52 0.0 65.8 98.6#
51 0.0 29.7 44.5#



#16
Acetone
Concen: 28.622 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 43 Resp: 1322
Ion Ratio Lower Upper
43 100
58 22.0 26.8 40.2#

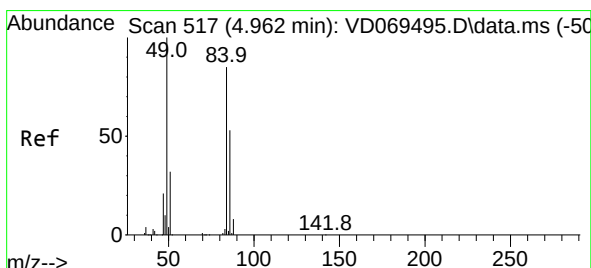
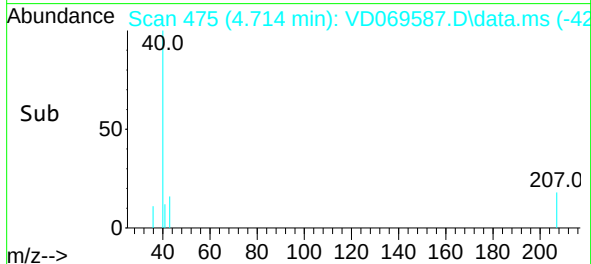
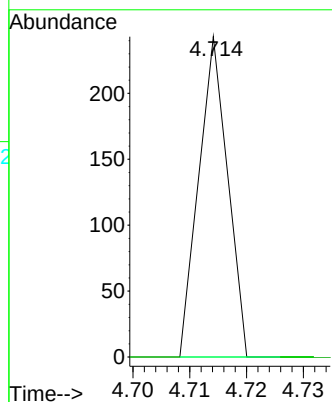
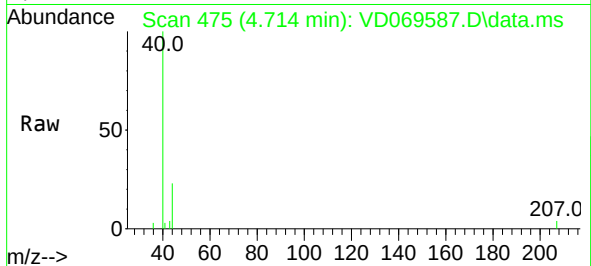




#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

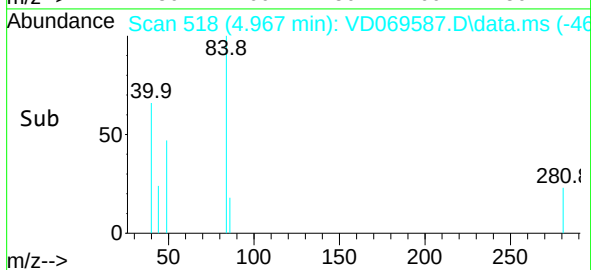
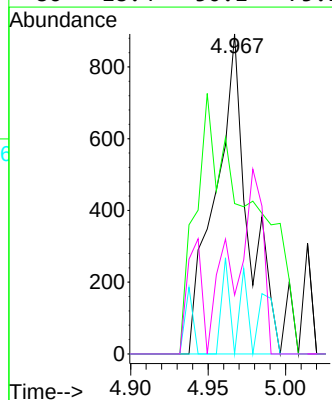
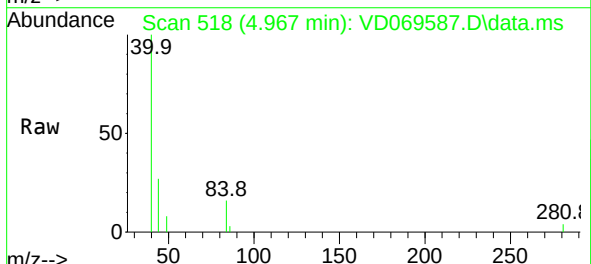
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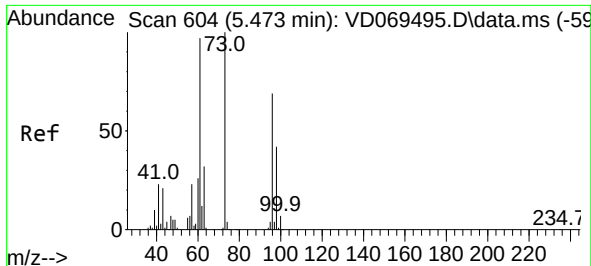
Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 84 Resp: 1315
Ion Ratio Lower Upper
84 100
49 47.0 94.0 141.0#
51 0.0 29.7 44.5#
86 18.4 50.1 75.1#

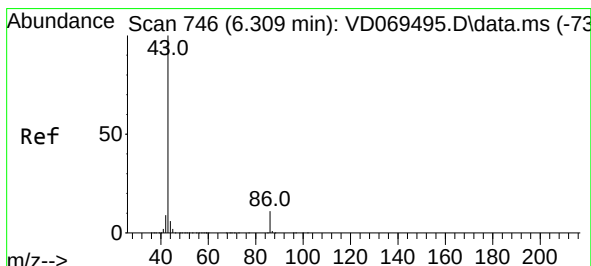
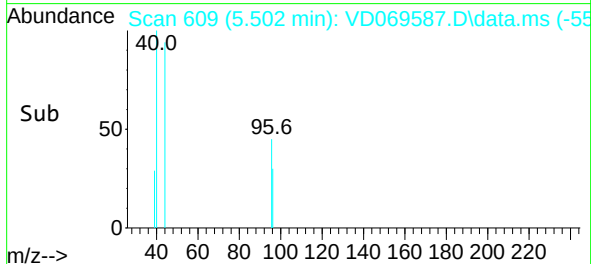
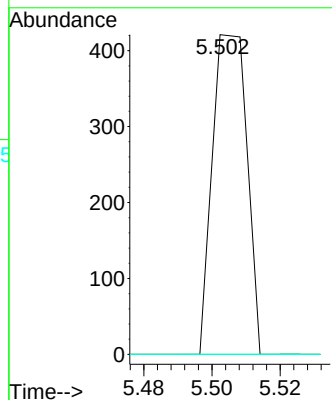
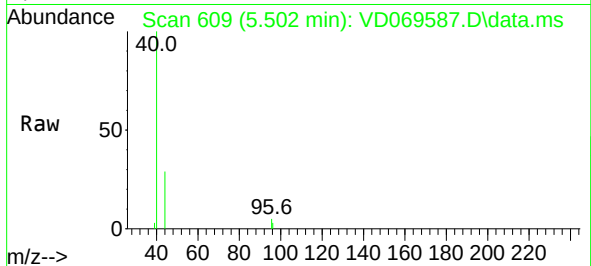




#21
trans-1,2-Dichloroethene
Concen: 1.129 ug/l
RT: 5.502 min Scan# 609
Delta R.T. 0.029 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

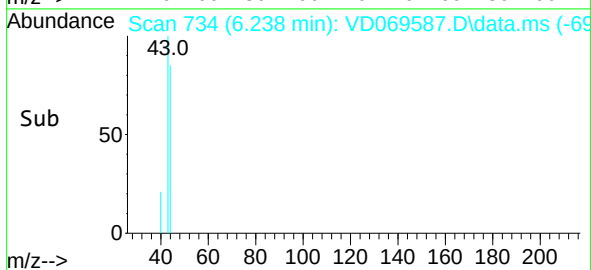
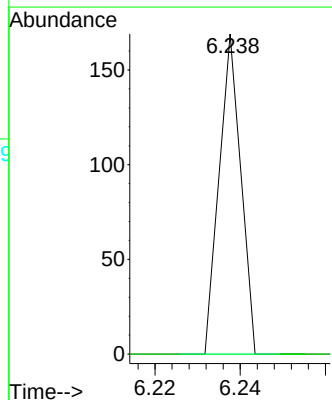
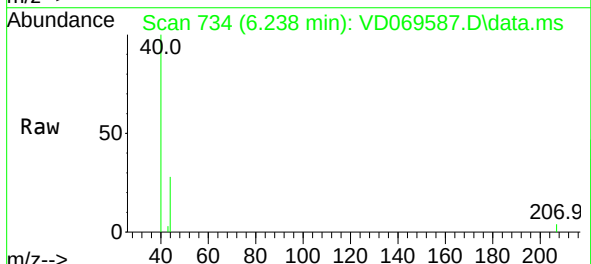
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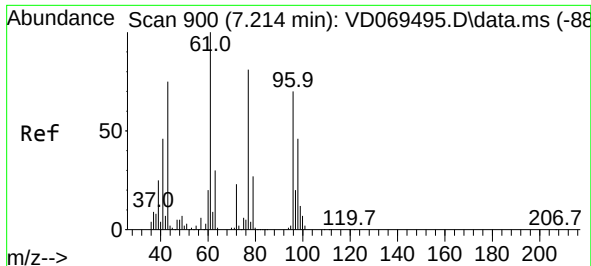
Tgt Ion: 96 Resp: 296
Ion Ratio Lower Upper
96 100
61 0.0 111.8 167.6#
98 0.0 48.5 72.7#



#23
Vinyl Acetate
Concen: 19.153 ug/l
RT: 6.238 min Scan# 734
Delta R.T. -0.071 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#

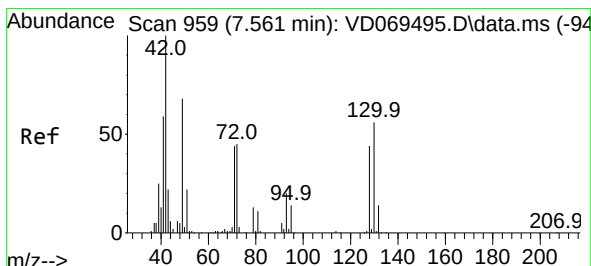
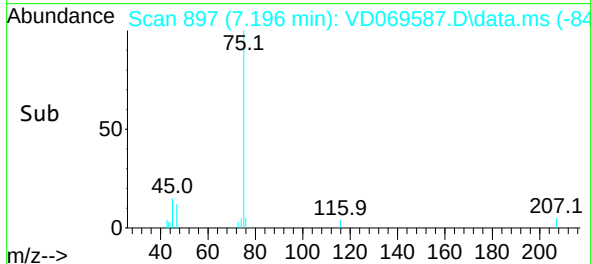
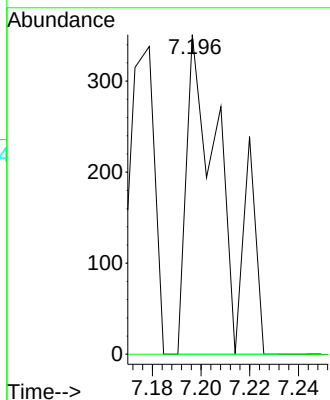
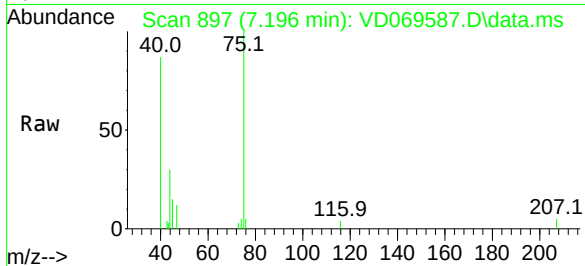




#25
2-Butanone
Concen: 6.355 ug/l
RT: 7.196 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

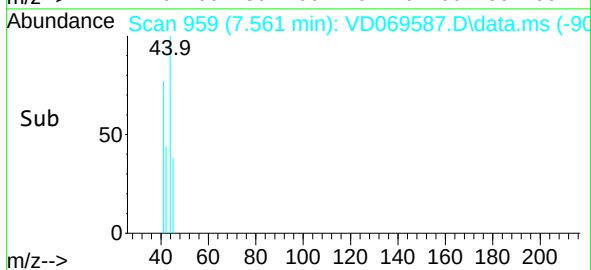
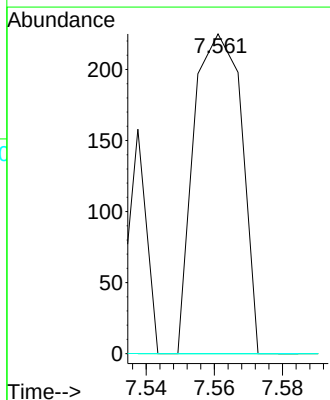
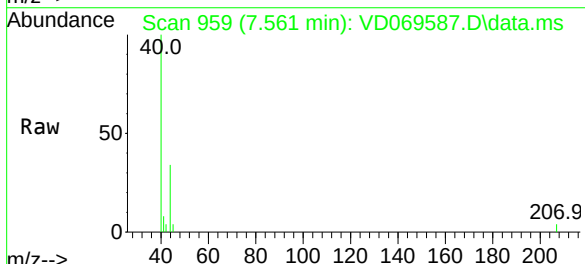
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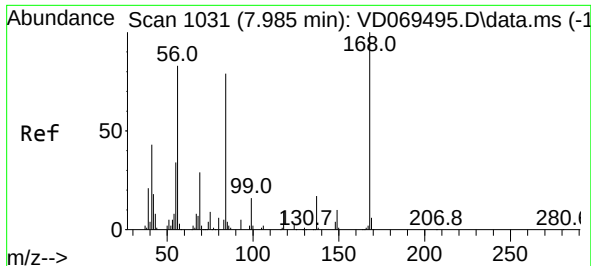
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#29
Tetrahydrofuran
Concen: 6.806 ug/l
RT: 7.561 min Scan# 959
Delta R.T. -0.000 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 42 Resp: 219
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 0.0 35.1 52.7#

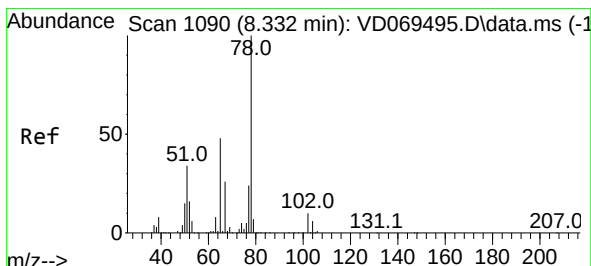
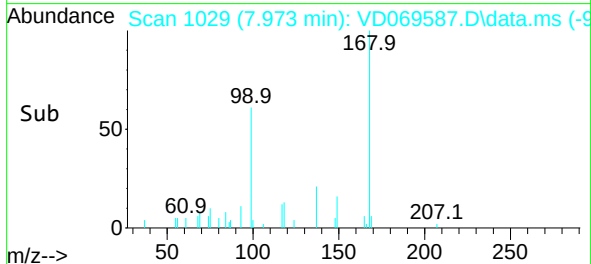
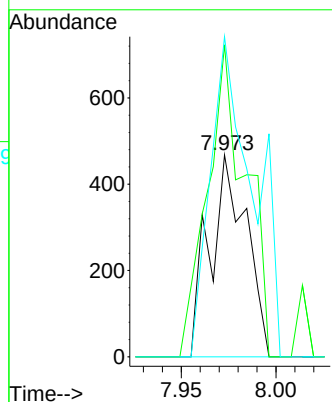
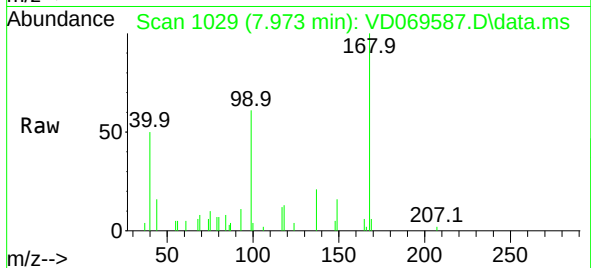




#31
Cyclohexane
Concen: 1.705 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

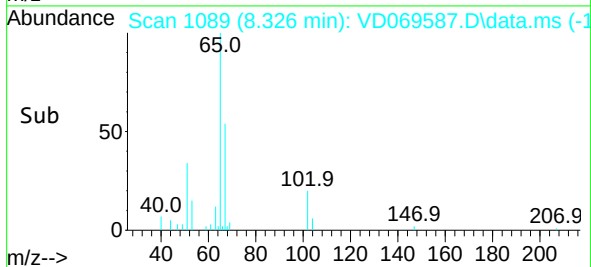
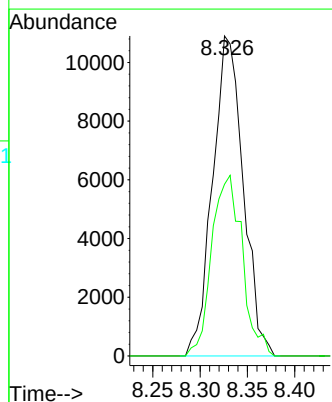
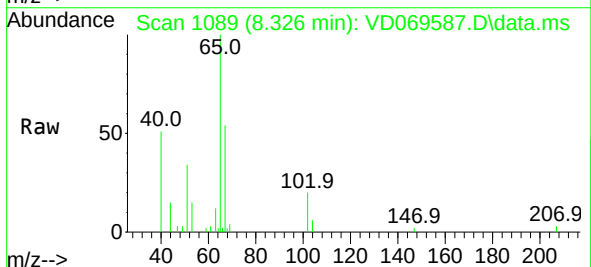
Instrument :
MSVOA_D
ClientSampleId :
HD-01-070221

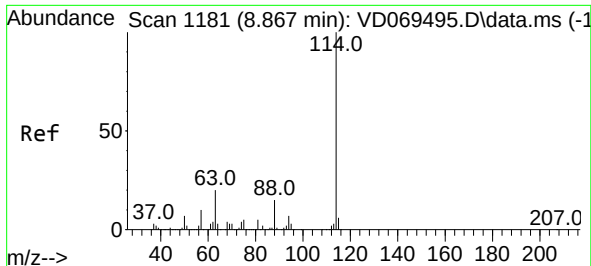
Tgt Ion: 56 Resp: 630
Ion Ratio Lower Upper
56 100
69 154.5 28.0 42.0#
84 158.5 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 89.321 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 65 Resp: 24511
Ion Ratio Lower Upper
65 100
67 56.2 0.0 105.6

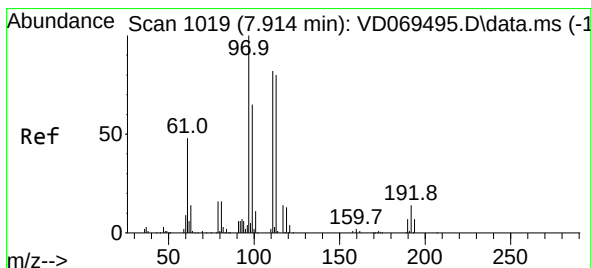
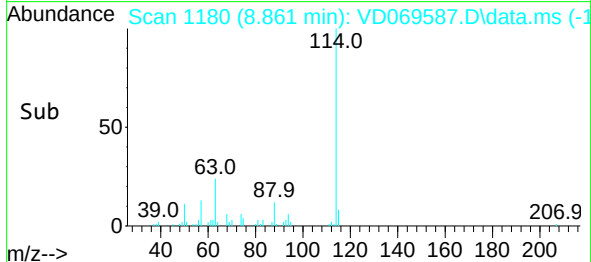
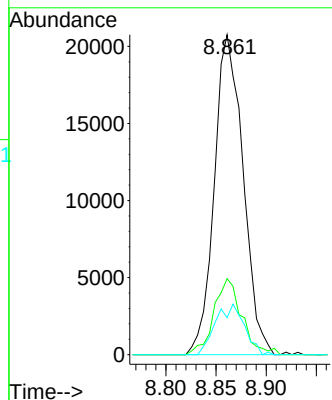
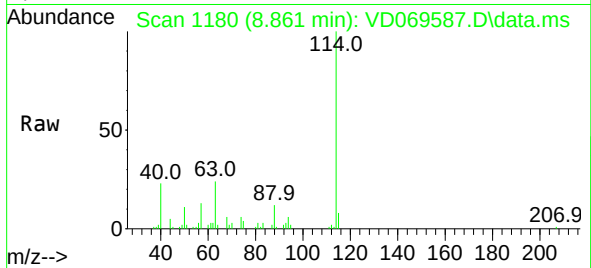




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

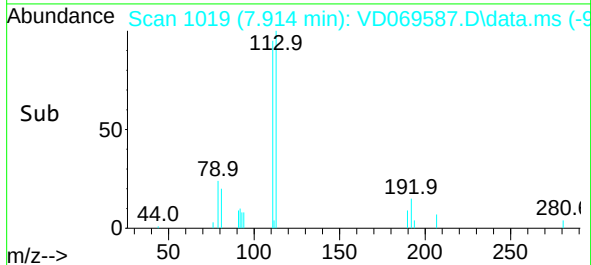
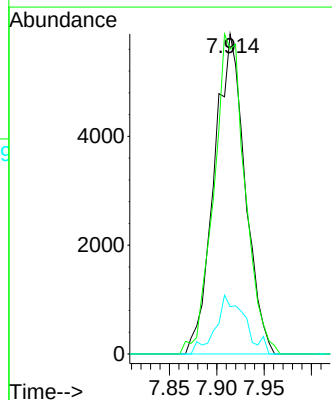
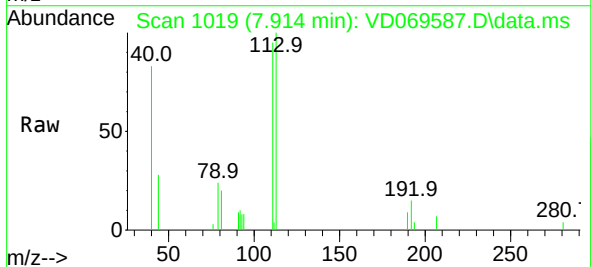
Instrument :
MSVOA_D
ClientSampleId :
HD-01-070221

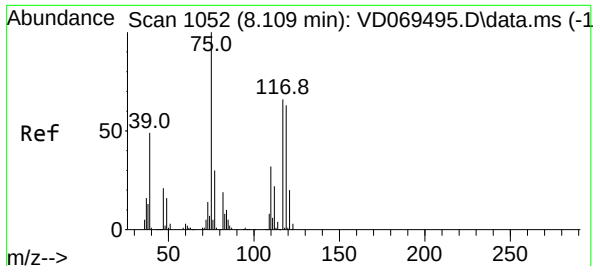
Tgt Ion:	114	Resp:	41376
Ion Ratio	Lower	Upper	
114	100		
63	23.8	0.0	39.6
88	11.5	0.0	29.8



#35
Dibromofluoromethane
Concen: 47.924 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion:	113	Resp:	13404
Ion Ratio	Lower	Upper	
113	100		
111	100.4	81.8	122.8
192	17.3	13.8	20.6

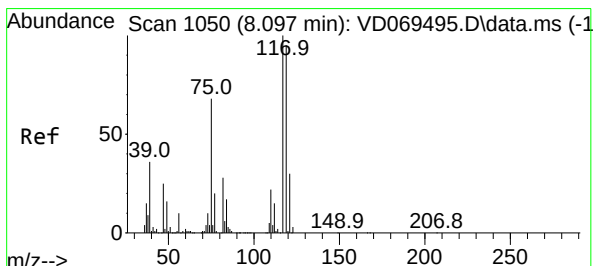
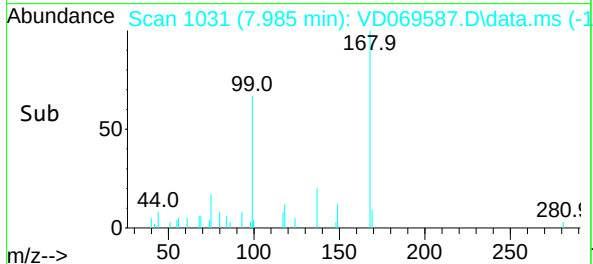
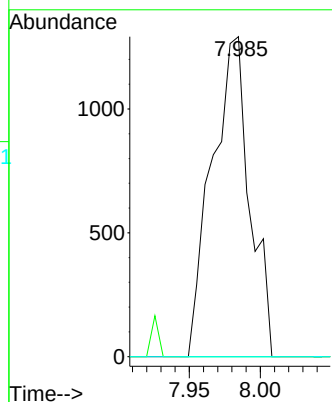
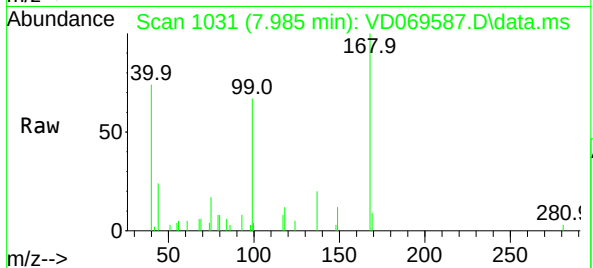




#36
1,1-Dichloropropene
Concen: 5.900 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

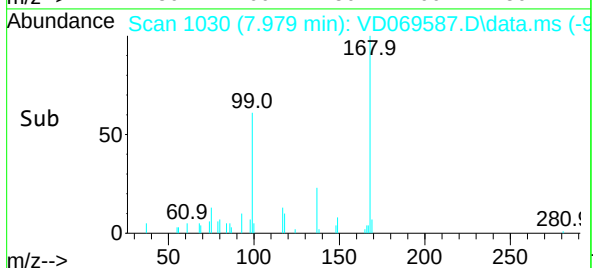
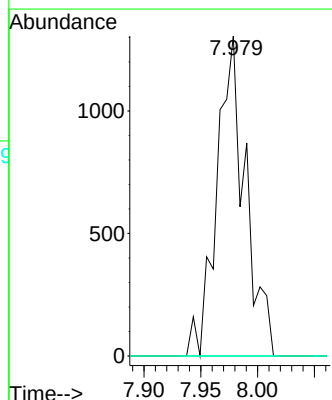
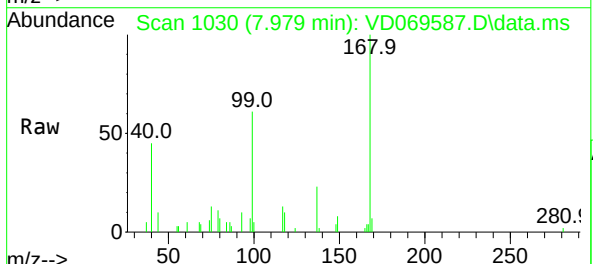
Instrument :
MSVOA_D
ClientSampleId :
HD-01-070221

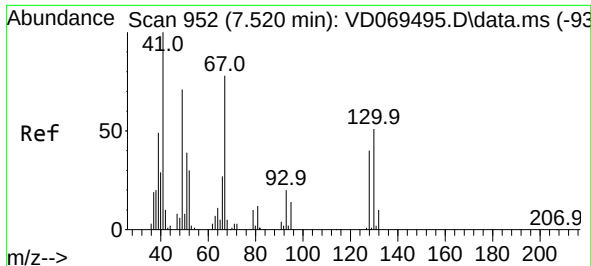
Tgt Ion: 75 Resp: 2396
Ion Ratio Lower Upper
75 100
110 0.0 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 117 Resp: 2291
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 23.8 35.8#

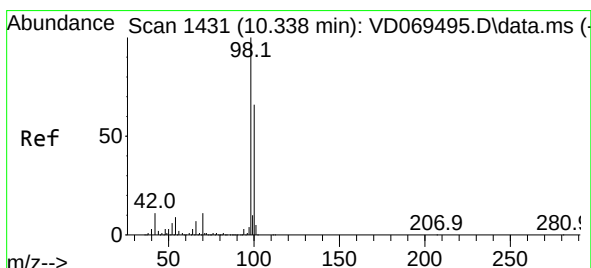
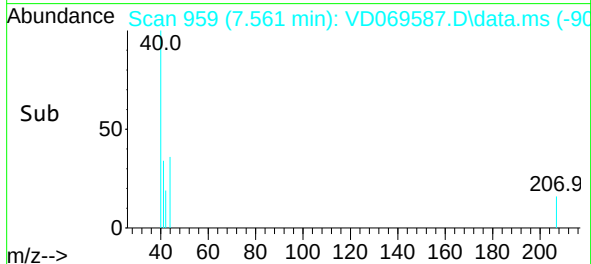
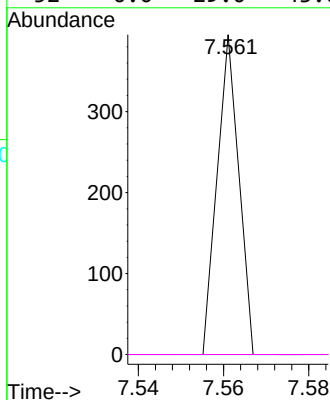
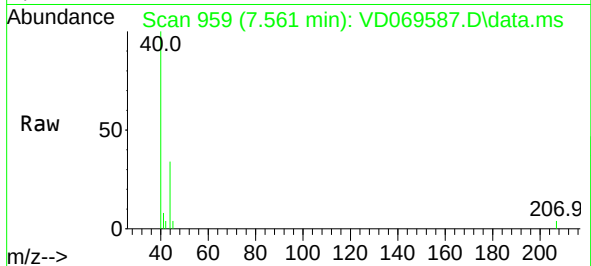




#41
Methacrylonitrile
Concen: 1.585 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.041 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

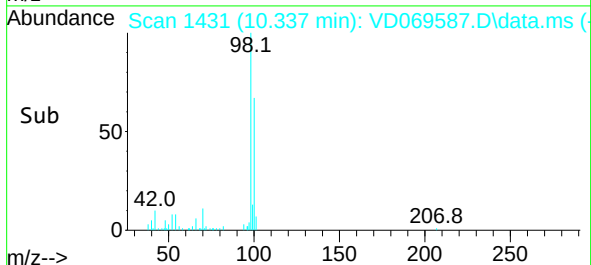
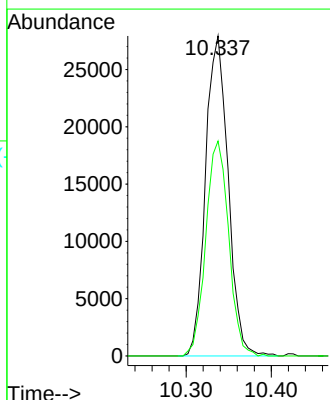
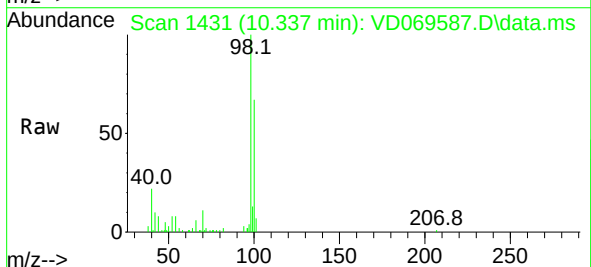
Instrument :
MSVOA_D
ClientSampleId :
HD-01-070221

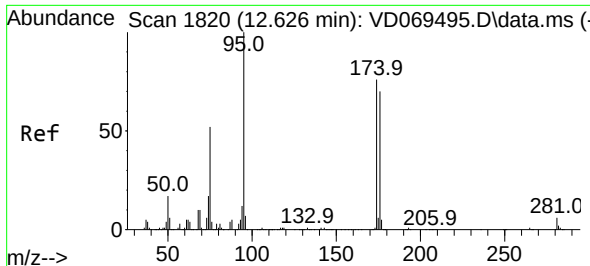
Tgt Ion: 41	Resp: 139
Ion Ratio	Lower Upper
41 100	
39 0.0	41.7 62.5#
67 0.0	71.8 107.6#
52 0.0	29.0 43.6#



#50
Toluene-d8
Concen: 49.029 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 98	Resp: 51437
Ion Ratio	Lower Upper
98 100	
100 68.1	52.3 78.5

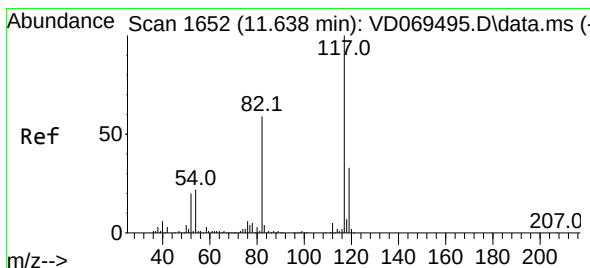
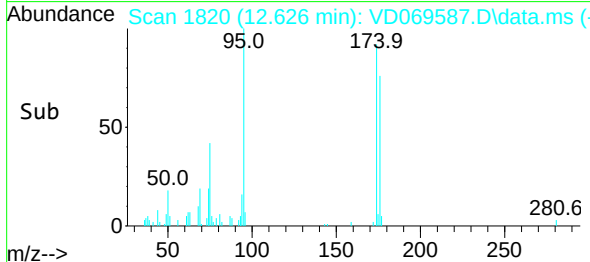
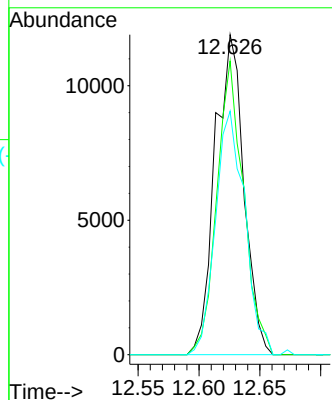
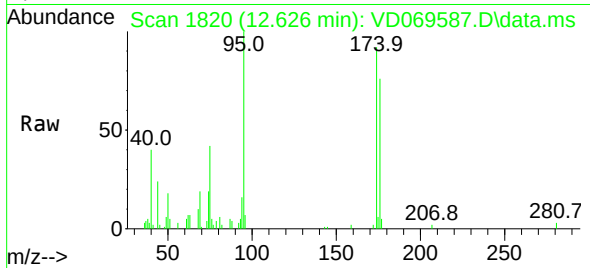




#62
4-Bromofluorobenzene
Concen: 56.828 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

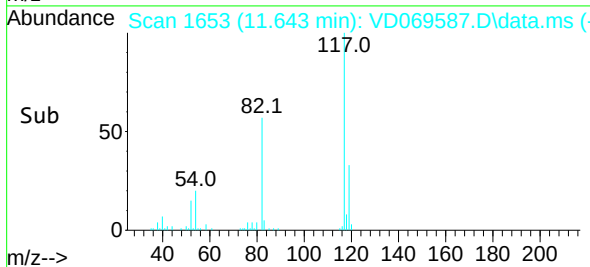
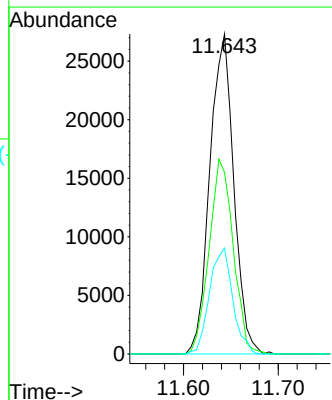
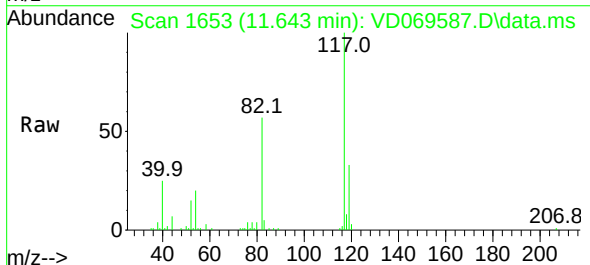
Instrument :
MSVOA_D
ClientSampleId :
HD-01-070221

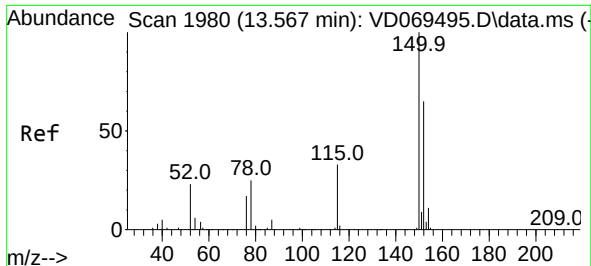
Tgt Ion:	95	Resp:	19600
Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	148.0
176	77.3	0.0	139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion:	117	Resp:	48048
Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.8	70.2
119	33.1	26.2	39.2

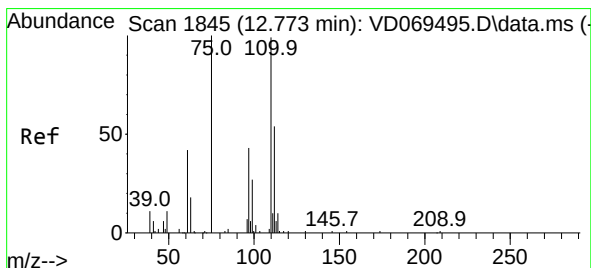
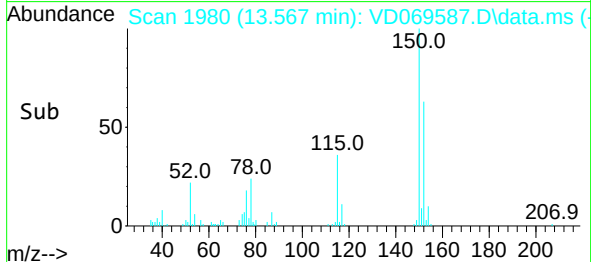
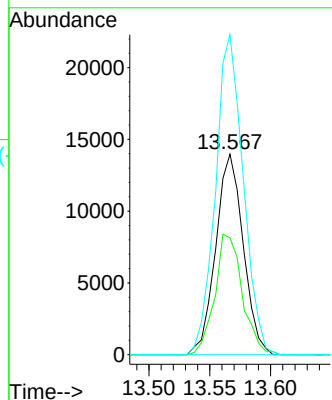
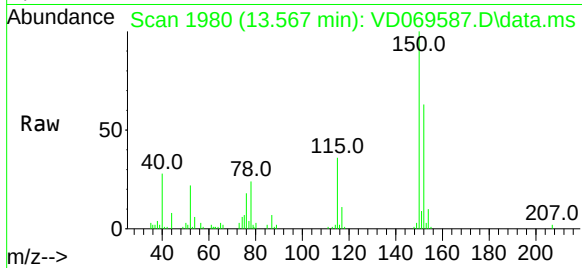




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069587.D
 Acq: 06 Jul 2021 17:40

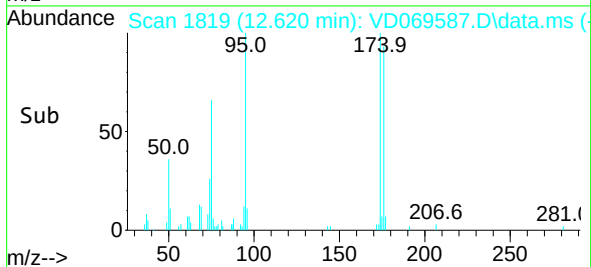
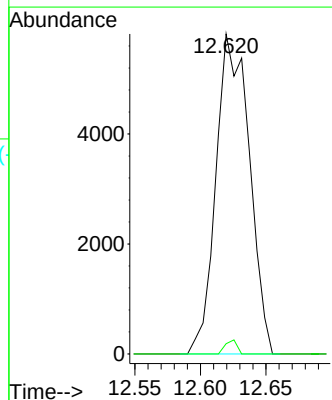
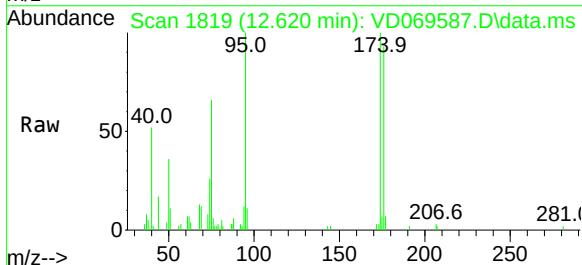
Instrument :
 MSVOA_D
 ClientSampleId :
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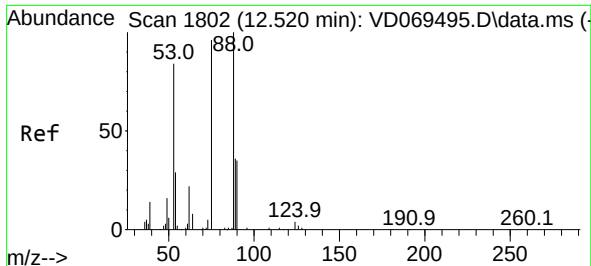
Tgt Ion:152 Resp: 21957
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.7 95.1
 150 161.2 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 47.639 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD069587.D
 Acq: 06 Jul 2021 17:40

Tgt Ion: 75 Resp: 10268
 Ion Ratio Lower Upper
 75 100
 77 1.5 162.6 487.8#

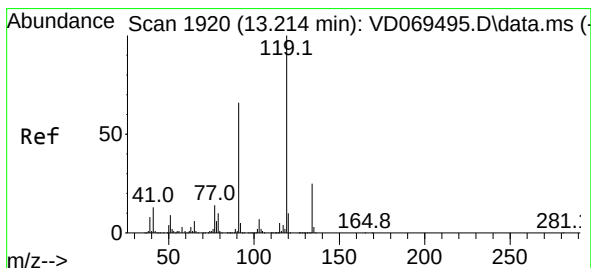
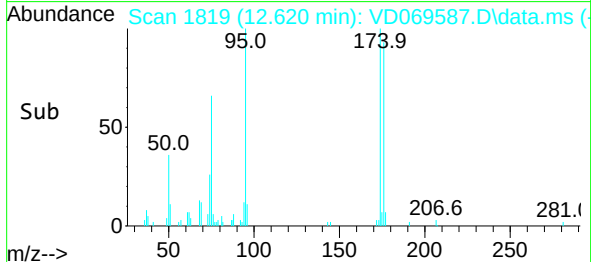
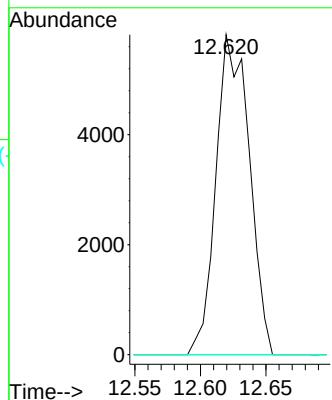
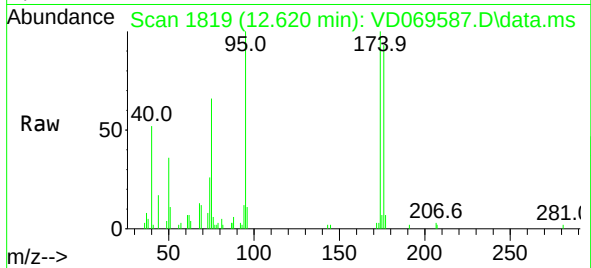




#81
trans-1,4-Dichloro-2-butene
Concen: 118.949 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

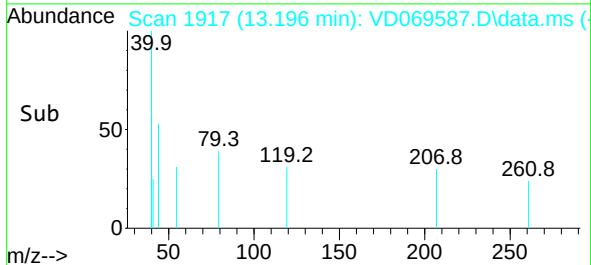
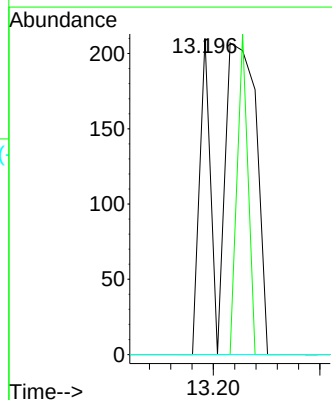
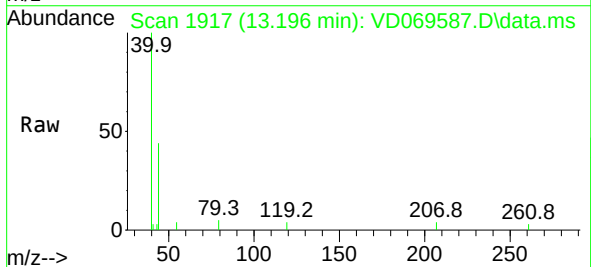
Instrument :
MSVOA_D
ClientSampleId :
HD-01-070221

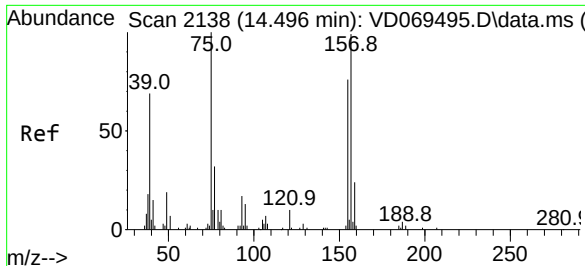
Tgt Ion: 75 Resp: 10268
Ion Ratio Lower Upper
75 100
53 0.0 74.6 112.0#
89 0.0 35.3 52.9#



#83
tert-Butylbenzene
Concen: 2.229 ug/l
RT: 13.196 min Scan# 1917
Delta R.T. -0.018 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 119 Resp: 281
Ion Ratio Lower Upper
119 100
91 26.7 32.5 97.4#
134 0.0 12.9 38.7#

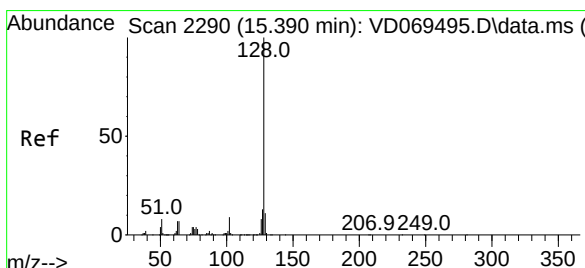
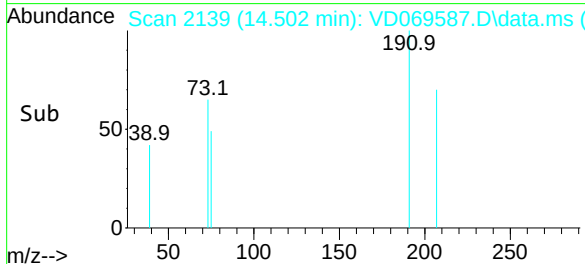
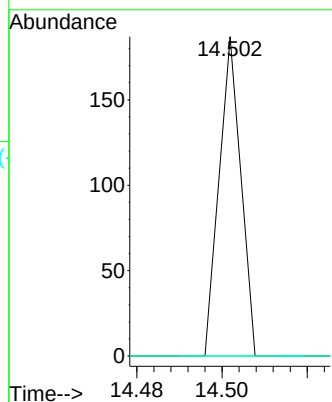
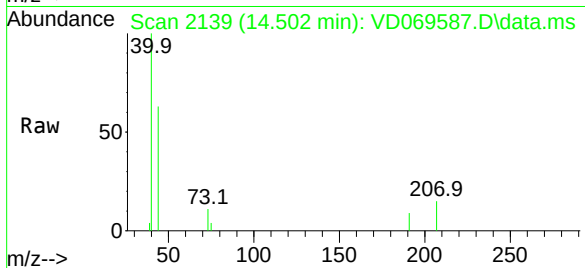




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.432 ug/l
RT: 14.502 min Scan# 2139
Delta R.T. 0.005 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Instrument :
MSVOA_D
ClientSampleId :
HD-01-070221

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
155 0.0 39.4 118.1#
157 0.0 51.2 153.6#



#95
Naphthalene
Concen: 3.875 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069587.D
Acq: 06 Jul 2021 17:40

Tgt Ion: 128 Resp: 382
Ion Ratio Lower Upper
128 100
127 28.8 10.6 16.0#
129 0.0 8.7 13.1#

