

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072302.D
 Acq On : 18 Mar 2022 21:02
 Operator : VA/SY
 Sample : N1962-08
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C-21-21-23

Quant Time: Mar 19 05:29:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

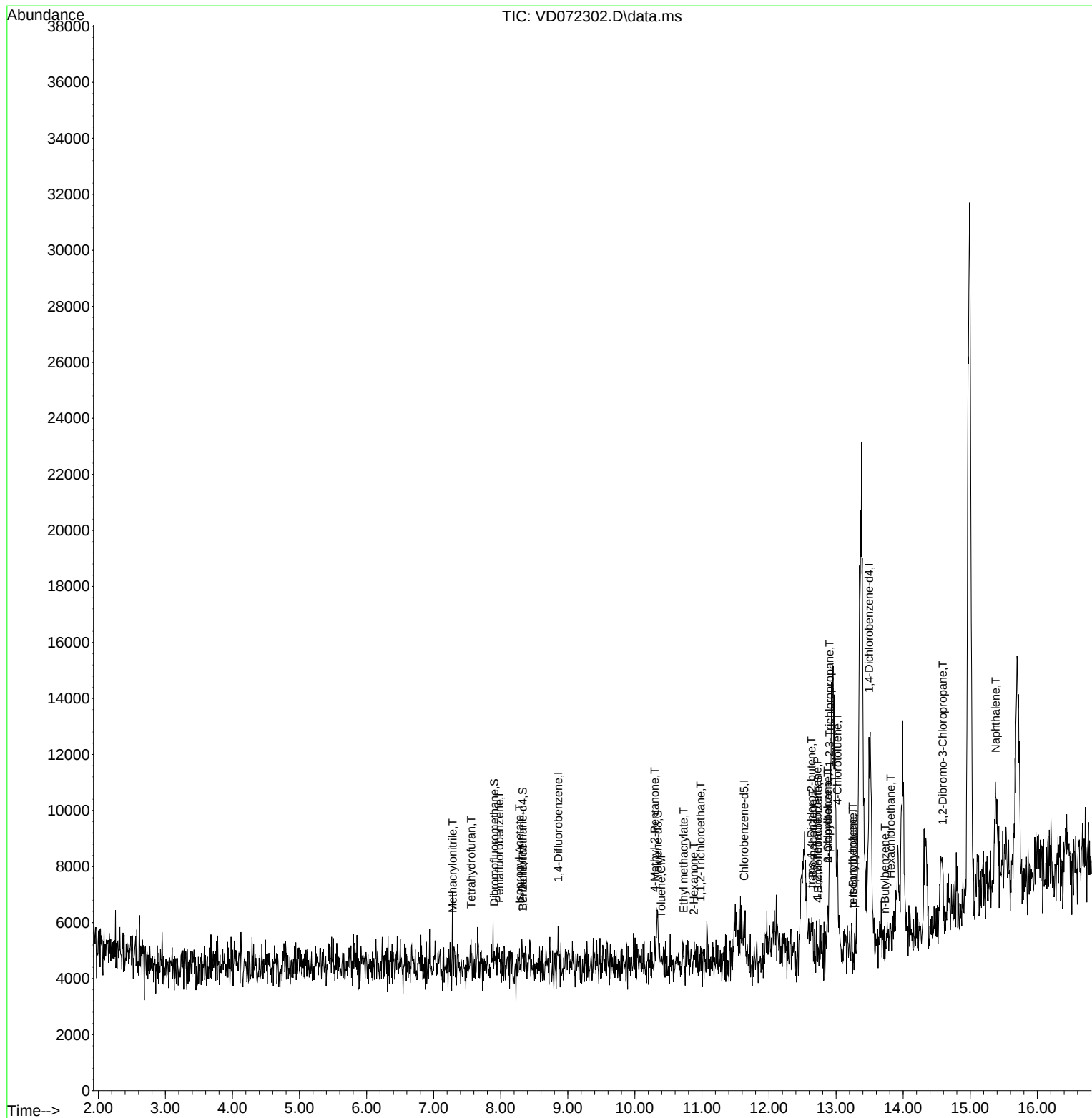
Internal Standards						
1) Pentafluorobenzene	7.979	168	585	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	1218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	736	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.491	152	332	50.000	ug/l	#-0.08
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	179	27.456	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	54.920%		
35) Dibromofluoromethane	7.903	113	221	25.784	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	51.560%#		
50) Toluene-d8	10.344	98	1369	43.681	ug/l	0.01
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.360%		
62) 4-Bromofluorobenzene	12.732	95	66	5.420	ug/l	0.11
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.840%#		
Target Compounds						Qvalue
29) Tetrahydrofuran	7.561	42	115	103.625	ug/l	# 38
40) Benzene	8.332	78	116	3.382	ug/l	# 51
41) Methacrylonitrile	7.285	41	57	18.567	ug/l	# 27
43) Isopropyl Acetate	8.279	43	64	6.260	ug/l	# 54
51) 4-Methyl-2-Pentanone	10.297	43	62	11.547	ug/l	# 39
52) Toluene	10.391	92	57	2.525	ug/l	# 1
55) 1,1,2-Trichloroethane	10.979	97	56	7.944	ug/l	# 15
56) Ethyl methacrylate	10.726	69	61	7.387	ug/l	# 18
59) 2-Hexanone	10.879	43	59	15.909	ug/l	# 27
75) 1,1,2,2-Tetrachloroethane	12.720	83	61	12.964	ug/l	# 25
76) 1,2,3-Trichloropropane	12.902	75	66	18.022	ug/l	# 100
77) Bromobenzene	12.655	156	253	42.725	ug/l	# 1
78) n-propylbenzene	12.879	91	56	1.752	ug/l	# 54
79) 2-Chlorotoluene	12.879	91	56	3.031	ug/l	# 42
81) trans-1,4-Dichloro-2-b...	12.632	75	71	48.101	ug/l	# 7
82) 4-Chlorotoluene	13.020	91	68	3.554	ug/l	# 42
83) tert-Butylbenzene	13.249	119	61	3.078	ug/l	# 24
86) p-Isopropyltoluene	13.249	119	61	2.491	ug/l	# 50
89) n-Butylbenzene	13.732	91	64	2.742	ug/l	# 33
90) Hexachloroethane	13.814	117	59	12.293	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	14.591	75	72	95.880	ug/l	# 6
95) Naphthalene	15.379	128	1175	95.153	ug/l	# 70

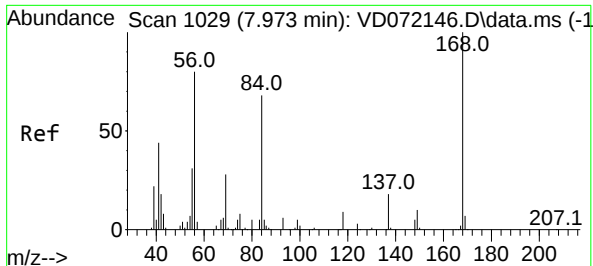
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

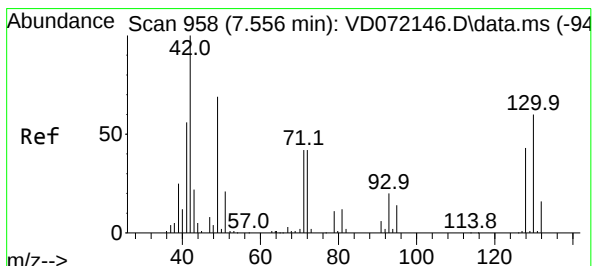
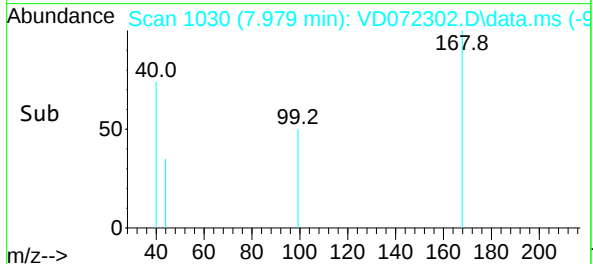
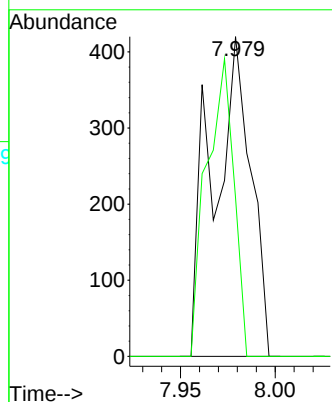
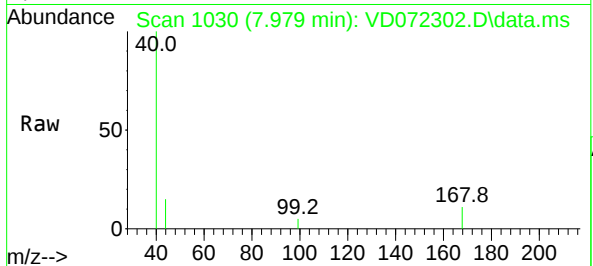




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

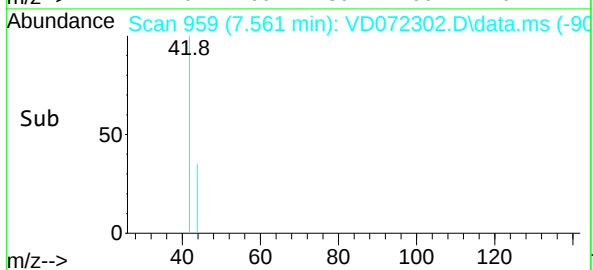
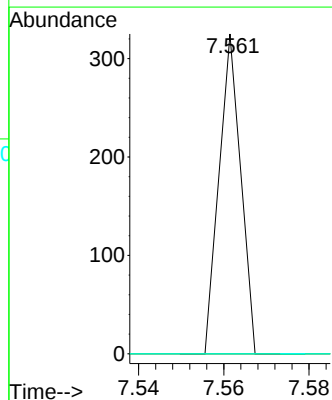
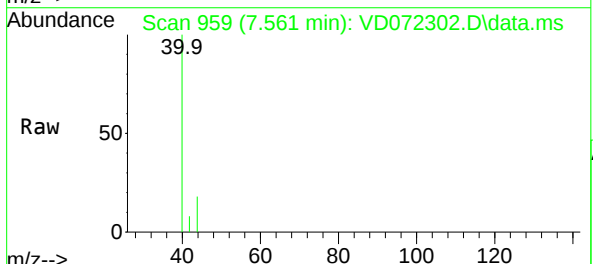
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23

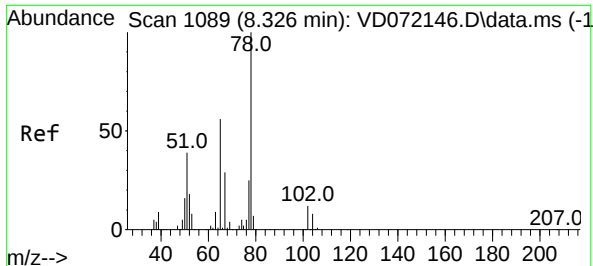
Tgt Ion:168 Resp: 585
Ion Ratio Lower Upper
168 100
99 49.5 49.8 74.6#



#29
Tetrahydrofuran
Concen: 103.625 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.006 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 42 Resp: 115
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#33

1,2-Dichloroethane-d4

Concen: 27.456 ug/l

RT: 8.326 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD072302.D

Acq: 18 Mar 2022 21:02

Instrument :

MSVOA_D

ClientSampleId :

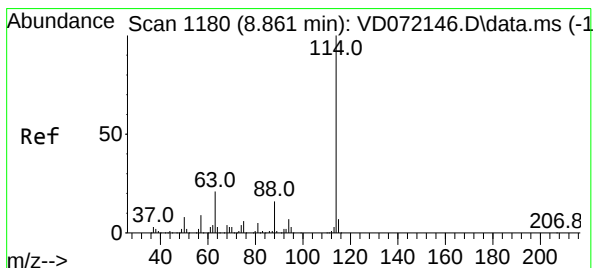
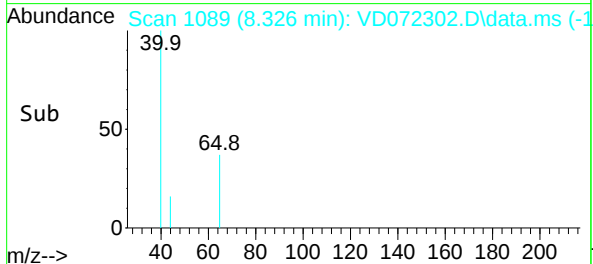
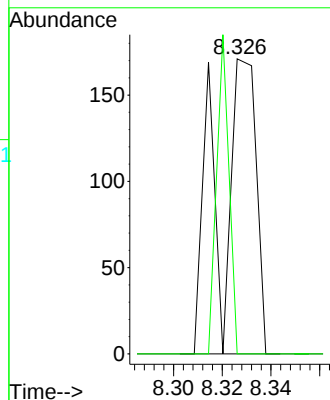
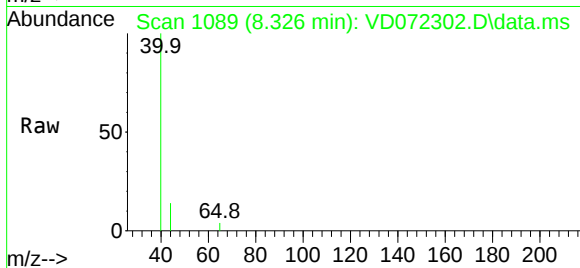
C-21-21-23

Tgt Ion: 65 Resp: 179

Ion Ratio Lower Upper

65 100

67 36.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072302.D

Acq: 18 Mar 2022 21:02

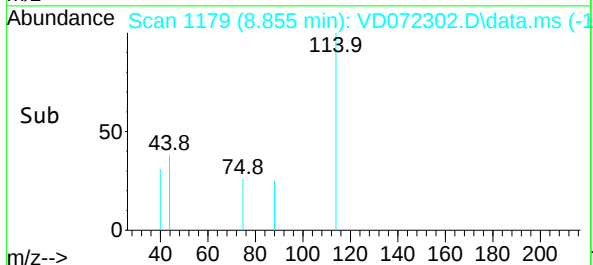
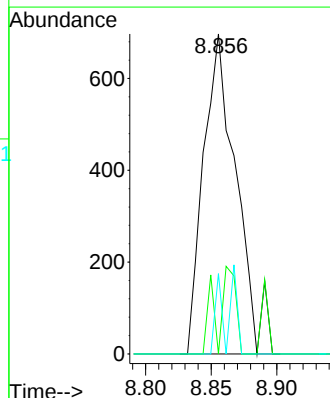
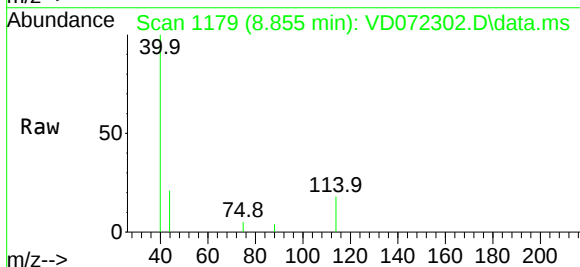
Tgt Ion: 114 Resp: 1218

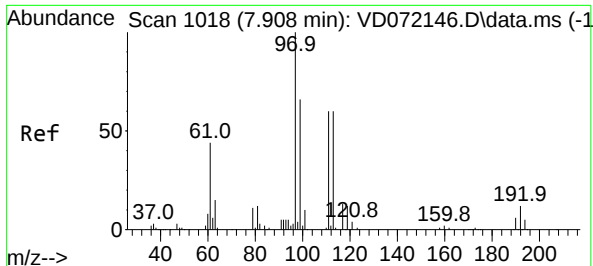
Ion Ratio Lower Upper

114 100

63 0.0 0.0 46.6

88 25.1 0.0 33.2

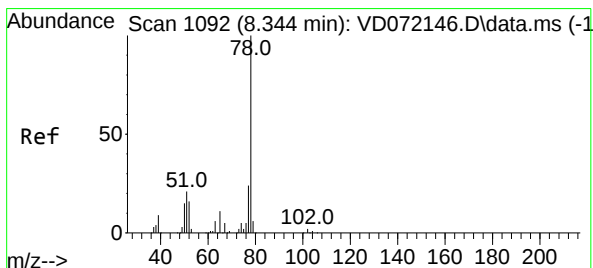
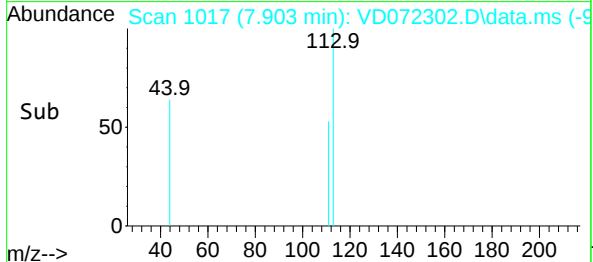
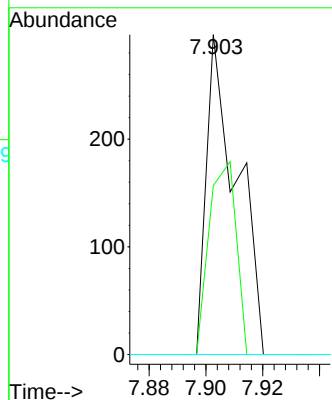
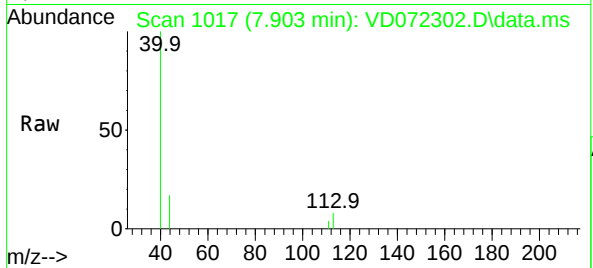




#35
Dibromofluoromethane
Concen: 25.784 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

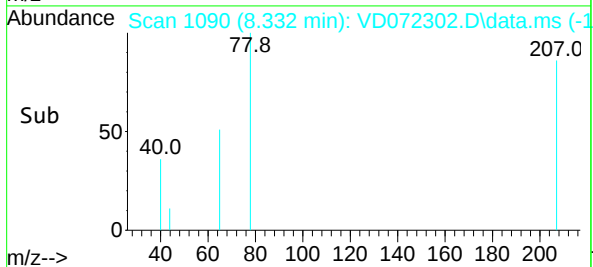
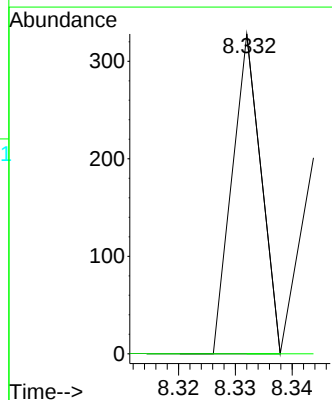
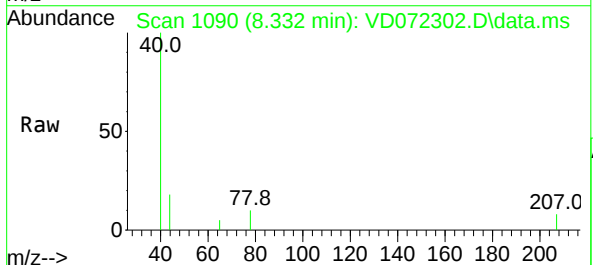
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C-21-21-23

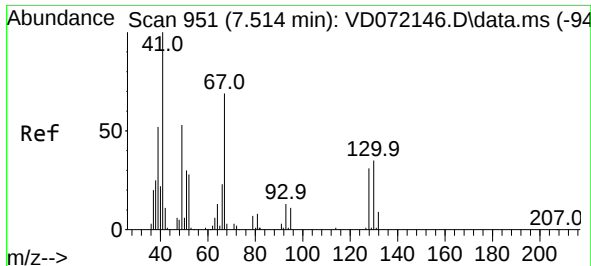
Tgt Ion:113 Resp: 221
Ion Ratio Lower Upper
113 100
111 53.8 83.8 125.6#
192 0.0 14.6 21.8#



#40
Benzene
Concen: 3.382 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.012 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 78 Resp: 116
Ion Ratio Lower Upper
78 100
77 0.0 19.1 28.7#

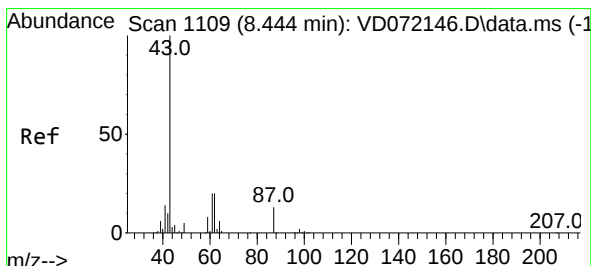
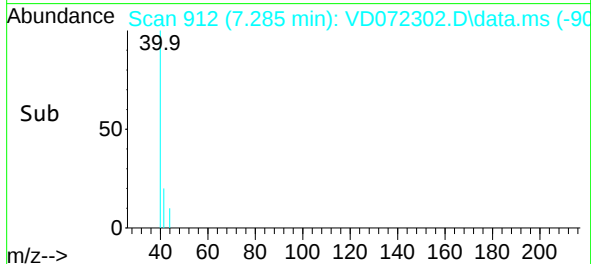
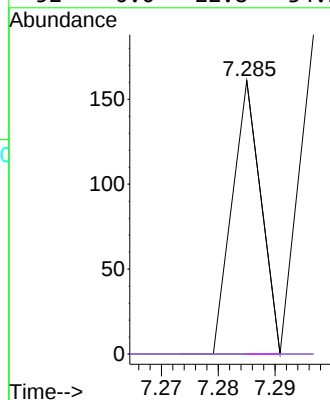
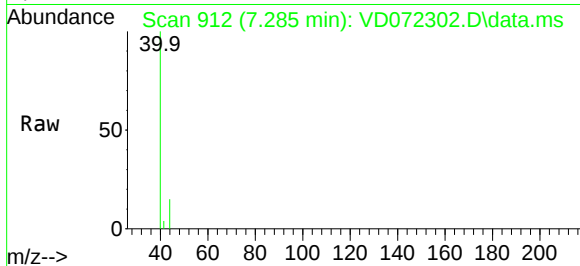




#41
Methacrylonitrile
Concen: 18.567 ug/l
RT: 7.285 min Scan# 91
Delta R.T. -0.229 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

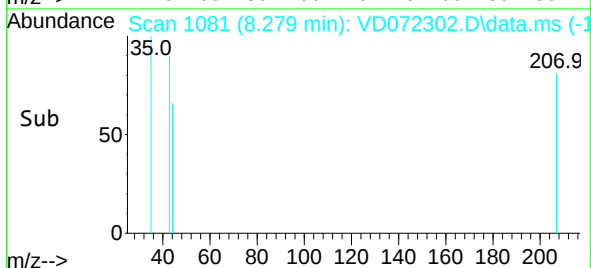
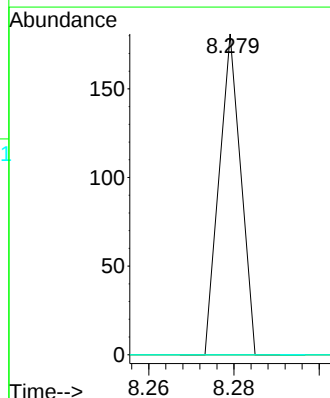
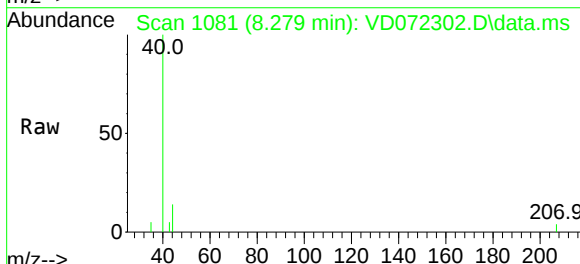
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23

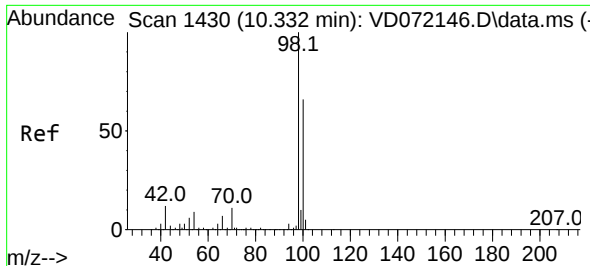
Tgt Ion: 41	Resp: 57
Ion Ratio	Lower Upper
41 100	
39 0.0	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#43
Isopropyl Acetate
Concen: 6.260 ug/l
RT: 8.279 min Scan# 1081
Delta R.T. -0.165 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 43	Resp:	64	
Ion Ratio	Lower	Upper	
43 100			
61 0.0	22.4	33.6#	
87 0.0	8.7	13.1#	

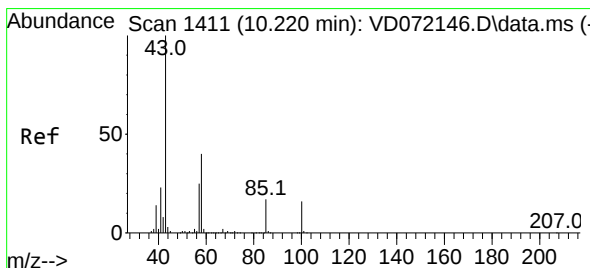
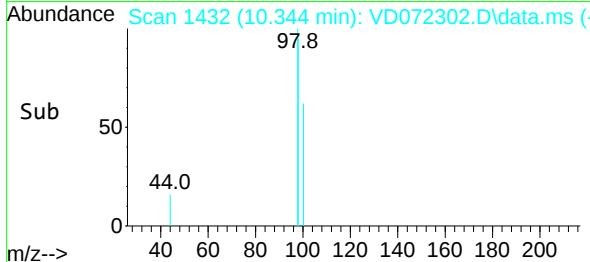
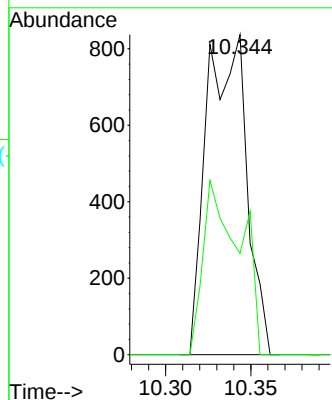
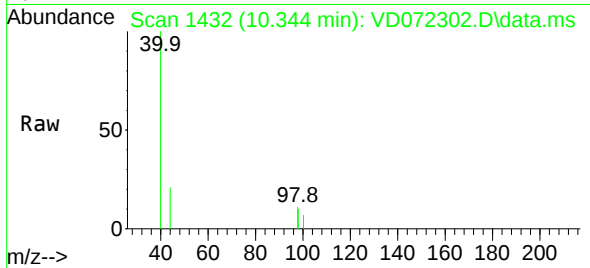




#50
Toluene-d8
Concen: 43.681 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.012 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

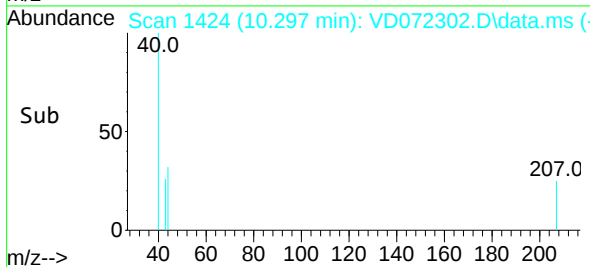
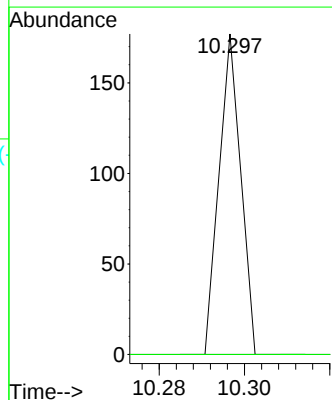
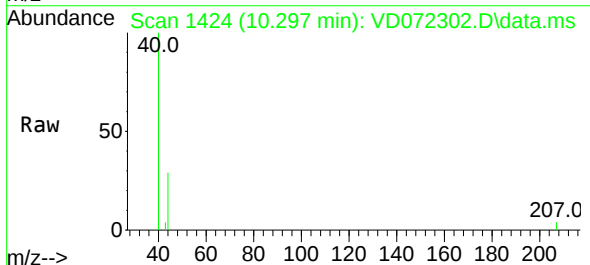
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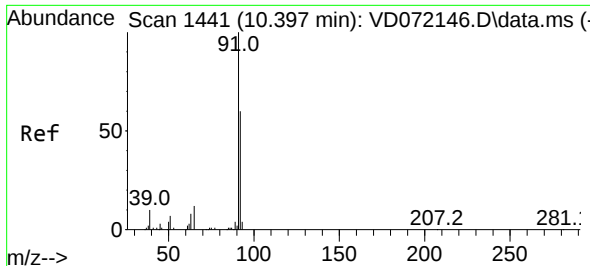
Tgt Ion: 98 Resp: 1369
Ion Ratio Lower Upper
98 100
100 50.0 52.4 78.6#



#51
4-Methyl-2-Pentanone
Concen: 11.547 ug/l
RT: 10.297 min Scan# 1424
Delta R.T. 0.076 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

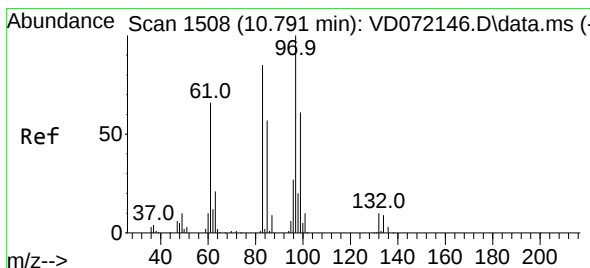
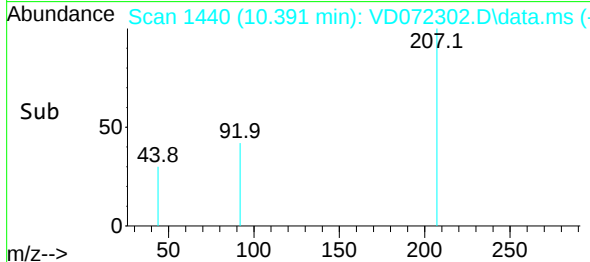
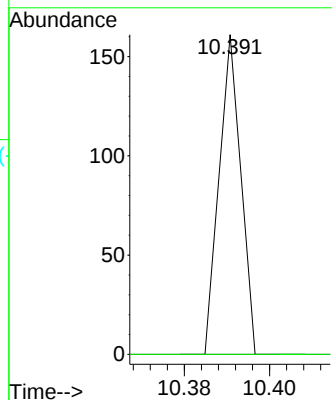
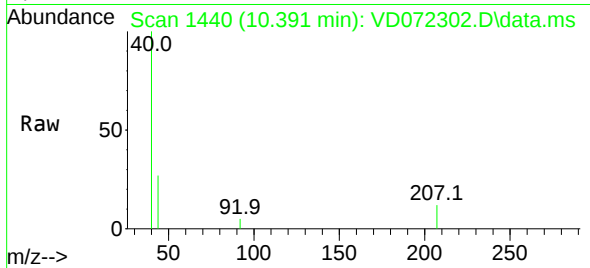




#52
Toluene
Concen: 2.525 ug/l
RT: 10.391 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

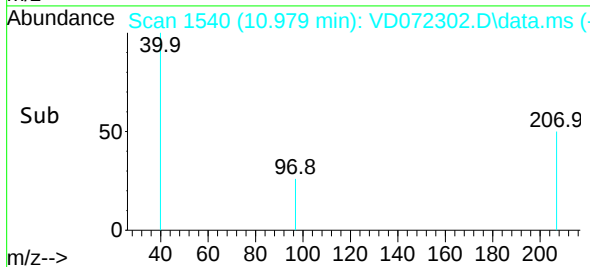
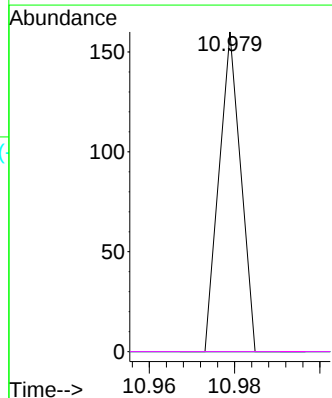
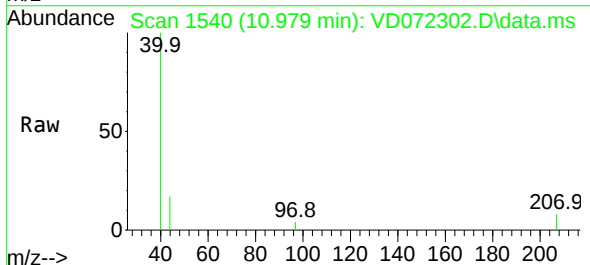
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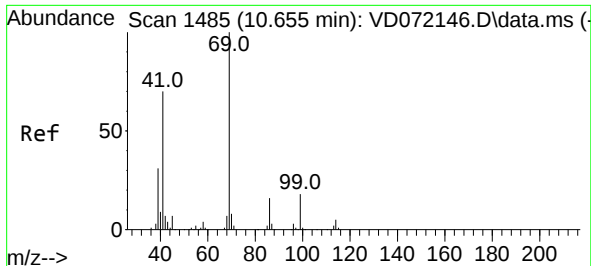
Tgt Ion: 92 Resp: 57
Ion Ratio Lower Upper
92 100
91 0.0 139.6 209.4#



#55
1,1,2-Trichloroethane
Concen: 7.944 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.188 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 97 Resp: 56
Ion Ratio Lower Upper
97 100
83 0.0 69.0 103.4#
85 0.0 42.6 63.8#
99 0.0 51.7 77.5#

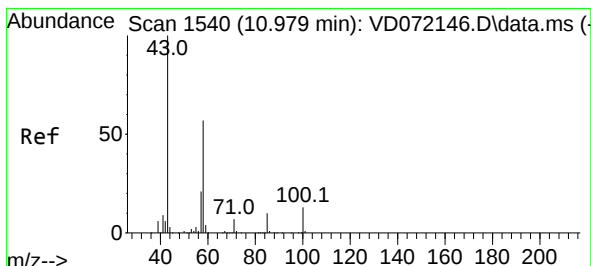
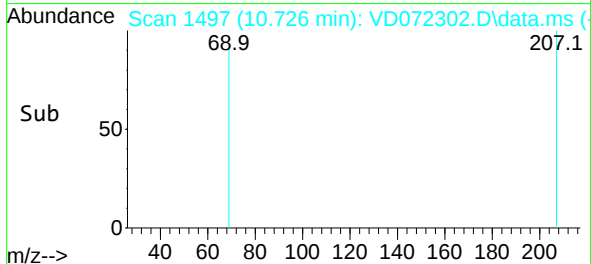
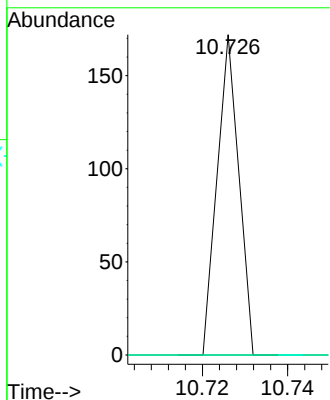
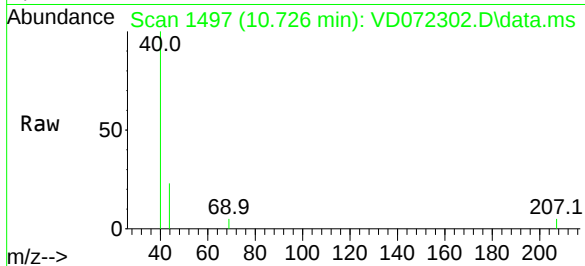




#56
Ethyl methacrylate
Concen: 7.387 ug/l
RT: 10.726 min Scan# 1485
Delta R.T. 0.071 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

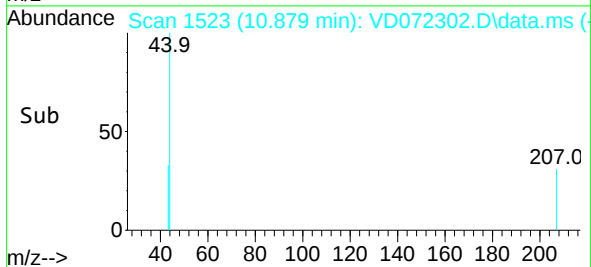
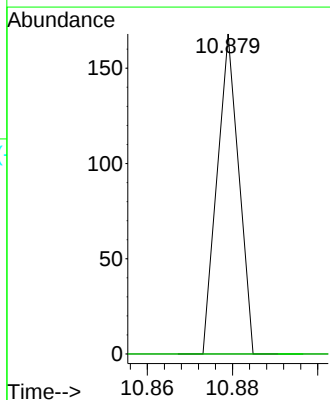
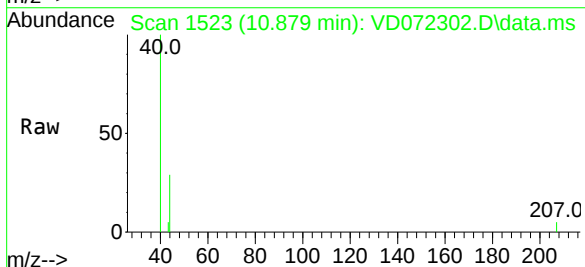
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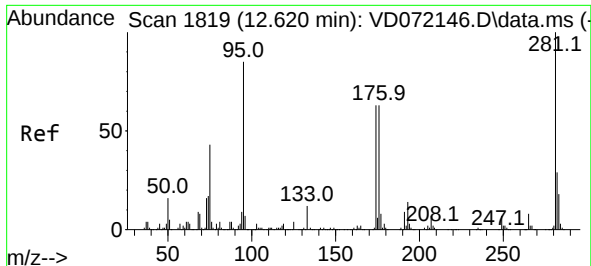
Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#



#59
2-Hexanone
Concen: 15.909 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. -0.100 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

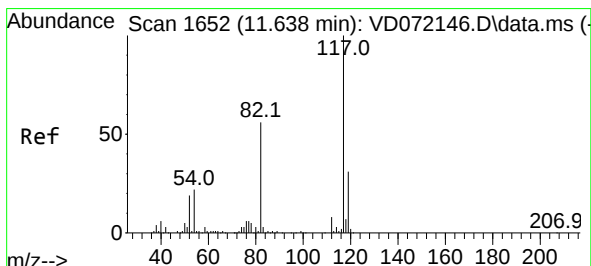
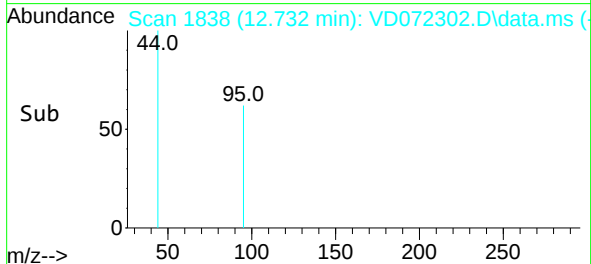
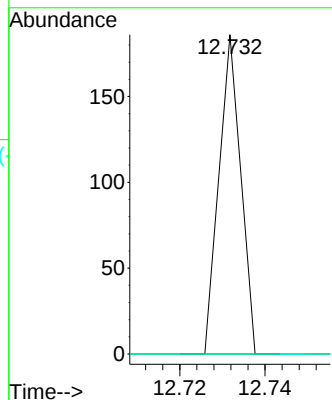
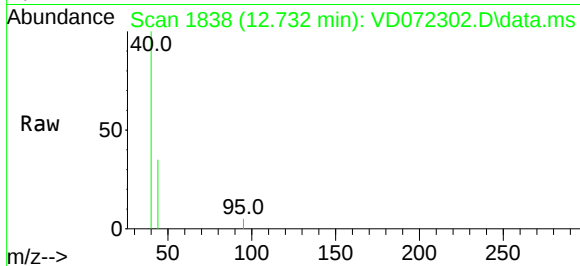




#62
4-Bromofluorobenzene
Concen: 5.420 ug/l
RT: 12.732 min Scan# 11
Delta R.T. 0.112 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

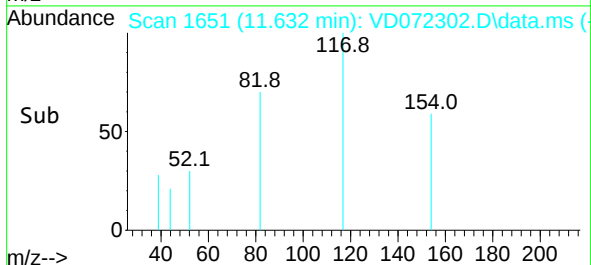
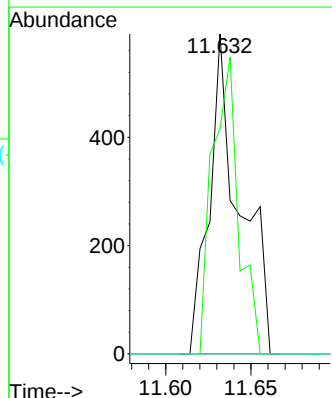
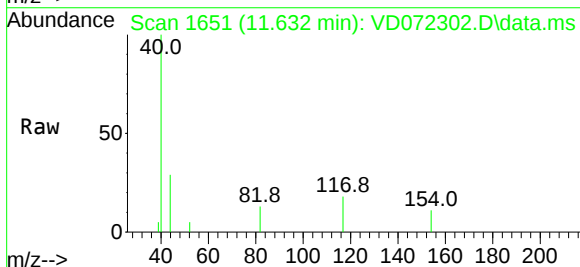
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23

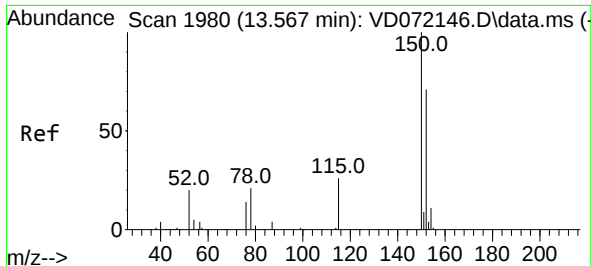
Tgt Ion: 95 Resp: 66
Ion Ratio Lower Upper
95 100
174 0.0 0.0 152.8
176 0.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 117 Resp: 736
Ion Ratio Lower Upper
117 100
82 70.4 45.3 67.9#
119 0.0 26.6 40.0#

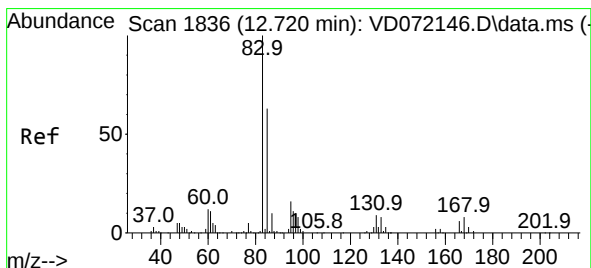
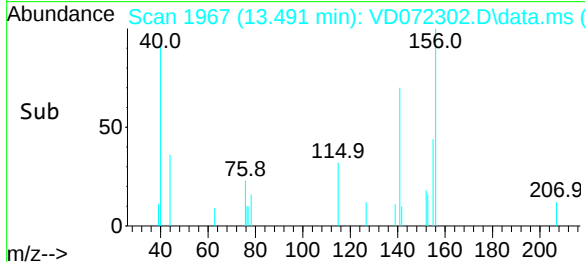
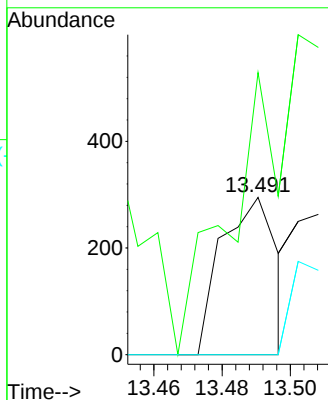
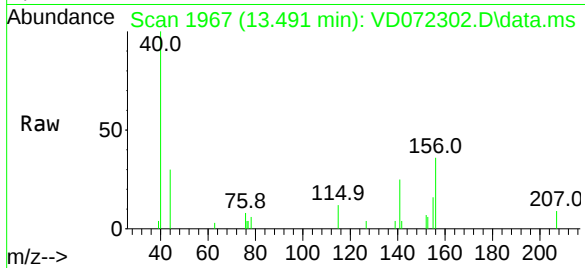




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.491 min Scan# 1967
 Delta R.T. -0.076 min
 Lab File: VD072302.D
 Acq: 18 Mar 2022 21:02

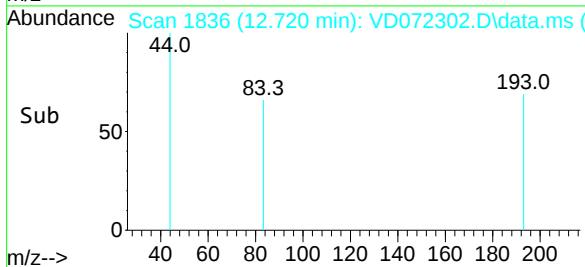
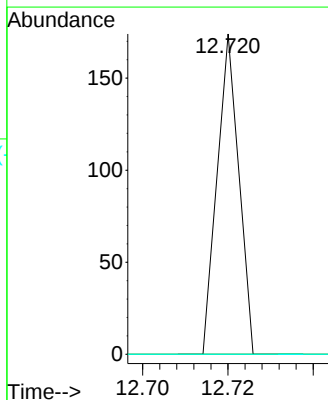
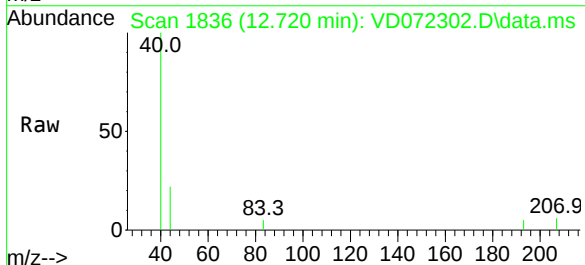
Instrument :
 MSVOA_D
 ClientSampleId :
 C-21-21-23

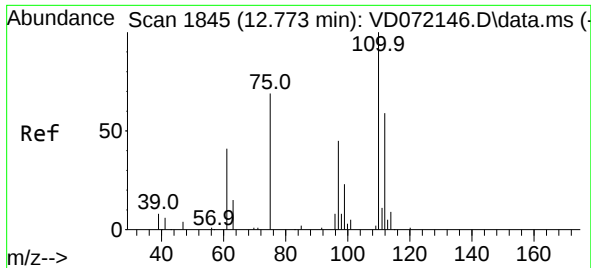
Tgt Ion:152 Resp: 332
 Ion Ratio Lower Upper
 152 100
 115 348.5 31.3 93.8#
 150 35.5 0.0 348.6



#75
 1,1,2,2-Tetrachloroethane
 Concen: 12.964 ug/l
 RT: 12.720 min Scan# 1836
 Delta R.T. 0.000 min
 Lab File: VD072302.D
 Acq: 18 Mar 2022 21:02

Tgt Ion: 83 Resp: 61
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 14.9#
 85 0.0 32.6 98.0#

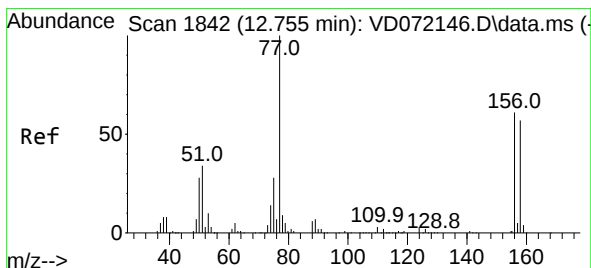
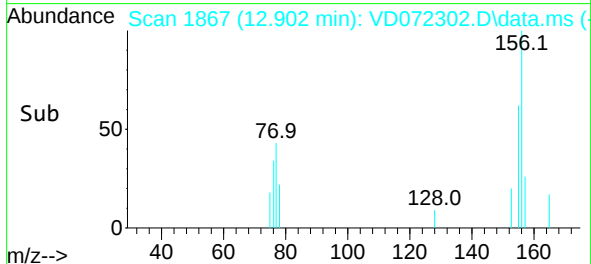
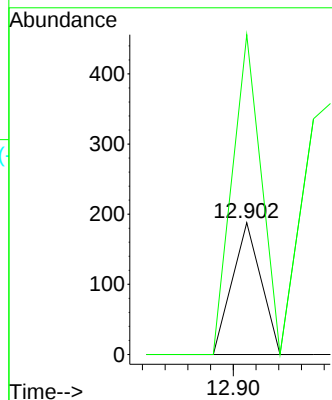
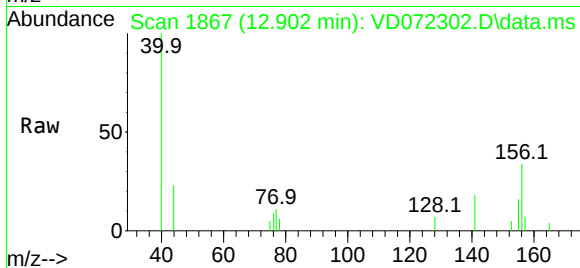




#76
1,2,3-Trichloropropane
Concen: 18.022 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. 0.129 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

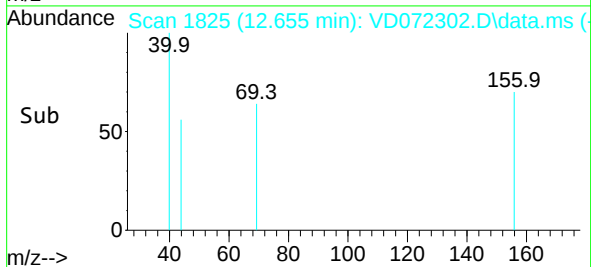
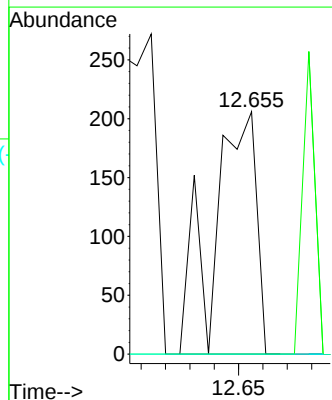
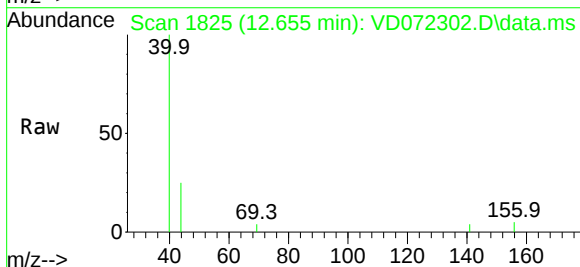
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23

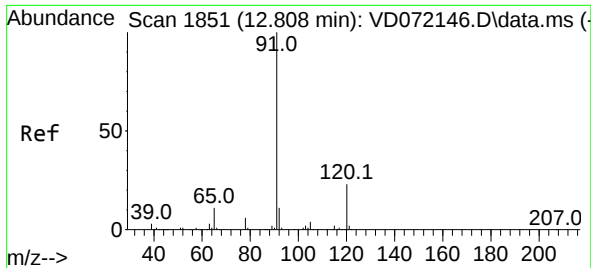
Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
77 243.9 0.0 0.0#



#77
Bromobenzene
Concen: 42.725 ug/l
RT: 12.655 min Scan# 1825
Delta R.T. -0.100 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 156 Resp: 253
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 0.0 48.7 146.1#

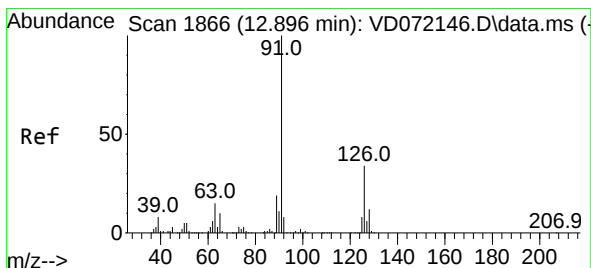
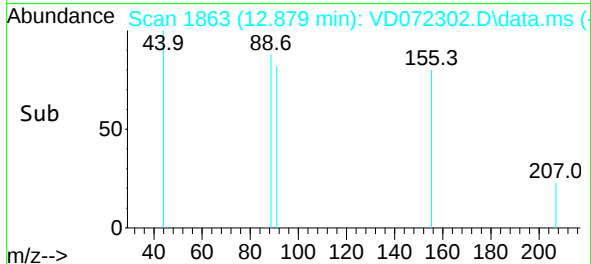
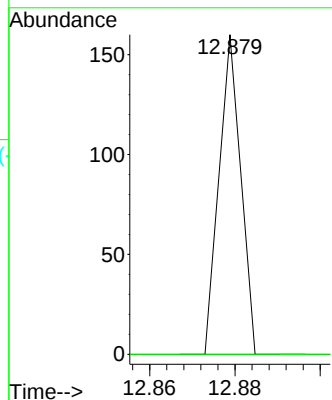
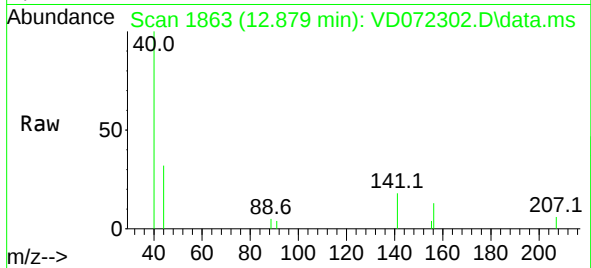




#78
n-propylbenzene
Concen: 1.752 ug/l
RT: 12.879 min Scan# 1863
Delta R.T. 0.071 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

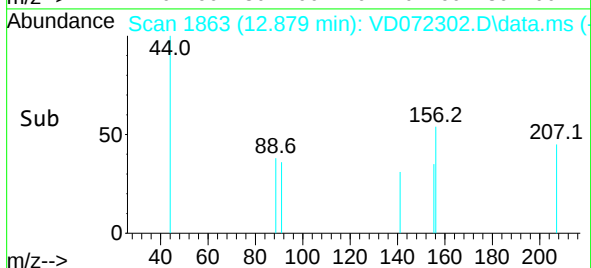
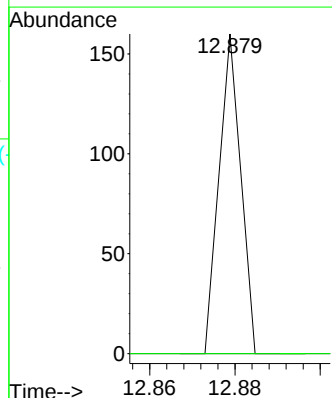
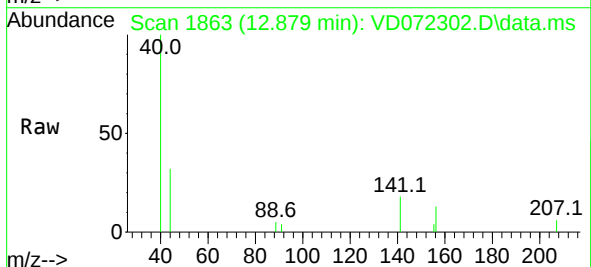
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23

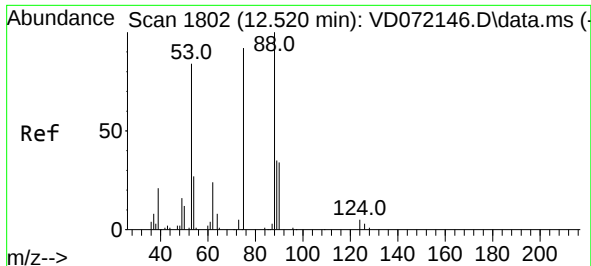
Tgt Ion: 91 Resp: 56
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.9#



#79
2-Chlorotoluene
Concen: 3.031 ug/l
RT: 12.879 min Scan# 1863
Delta R.T. -0.018 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 91 Resp: 56
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#

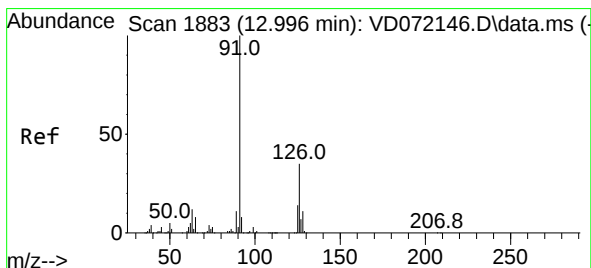
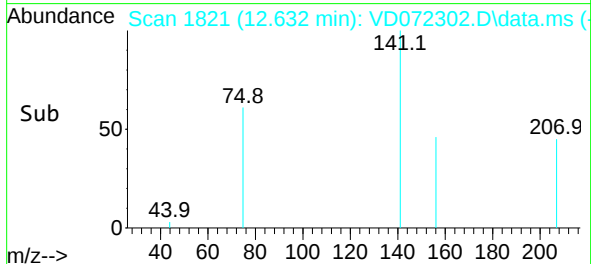
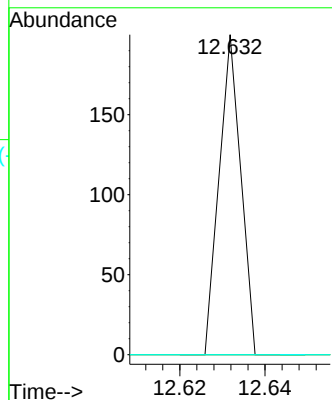
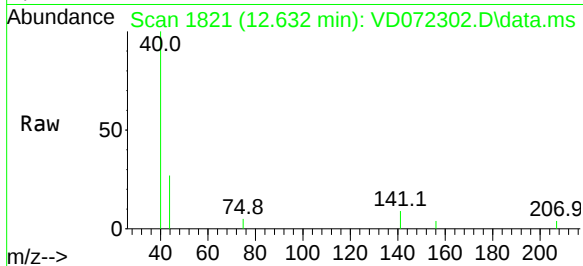




#81
trans-1,4-Dichloro-2-butene
Concen: 48.101 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.112 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

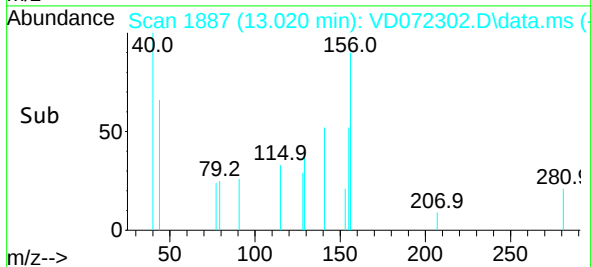
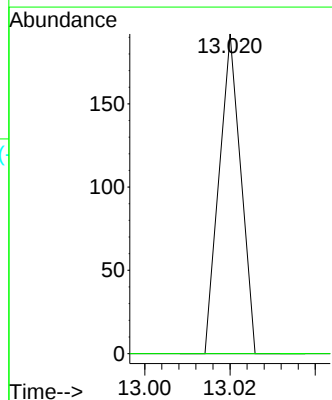
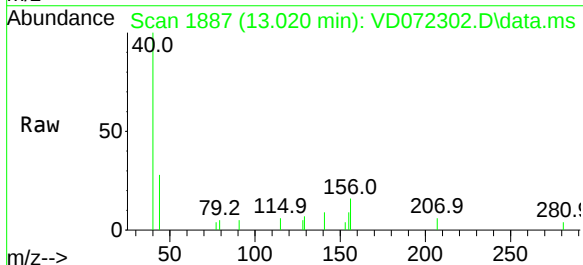
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23

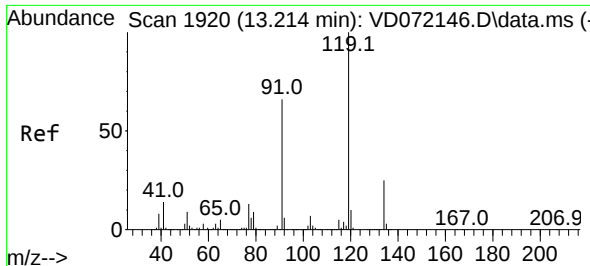
Tgt Ion: 75 Resp: 71
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#82
4-Chlorotoluene
Concen: 3.554 ug/l
RT: 13.020 min Scan# 1887
Delta R.T. 0.024 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 91 Resp: 68
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#

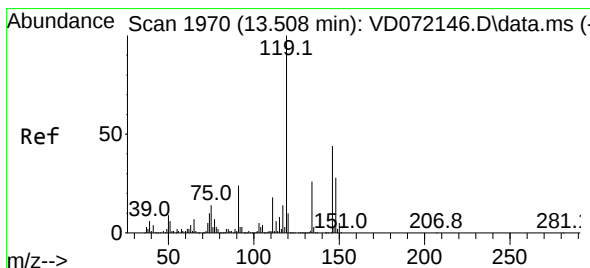
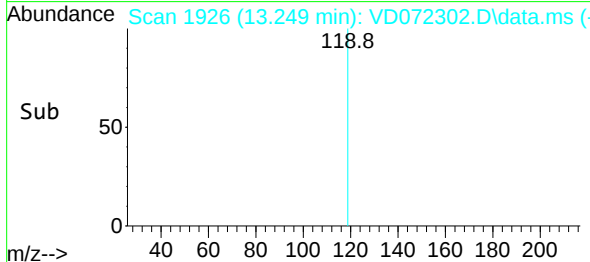
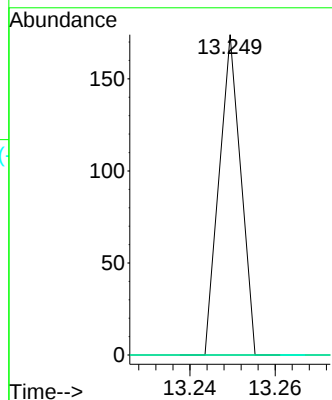
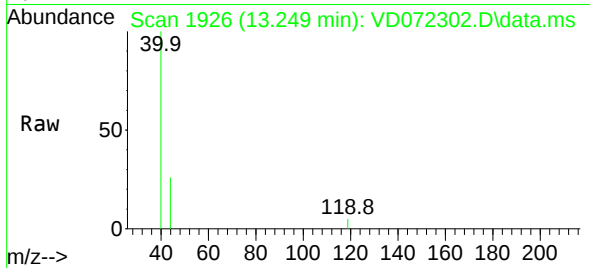




#83
tert-Butylbenzene
Concen: 3.078 ug/l
RT: 13.249 min Scan# 1926
Delta R.T. 0.035 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

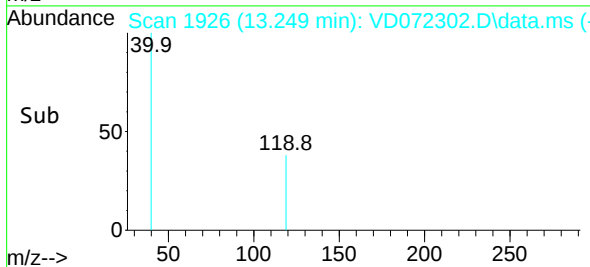
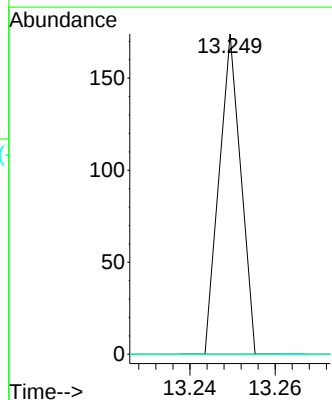
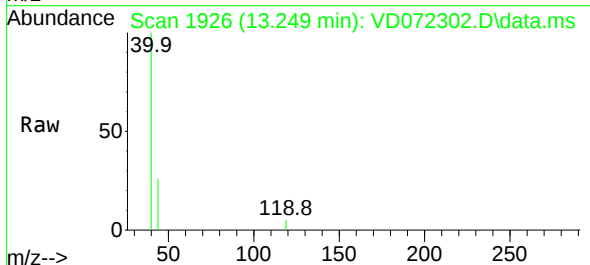
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23

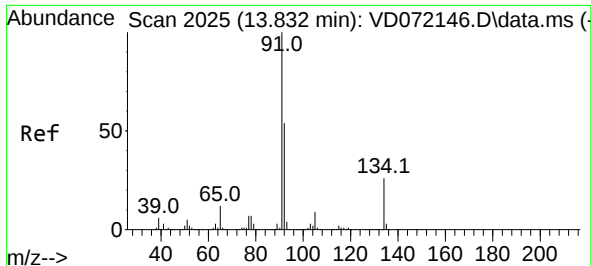
Tgt Ion:119 Resp: 61
Ion Ratio Lower Upper
119 100
91 0.0 34.8 104.5#
134 0.0 13.3 39.9#



#86
p-Isopropyltoluene
Concen: 2.491 ug/l
RT: 13.249 min Scan# 1926
Delta R.T. -0.259 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion:119 Resp: 61
Ion Ratio Lower Upper
119 100
134 0.0 12.9 38.6#
91 0.0 12.1 36.3#

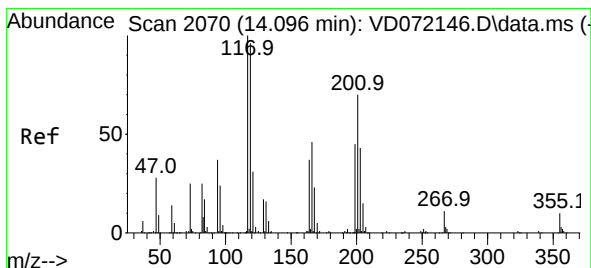
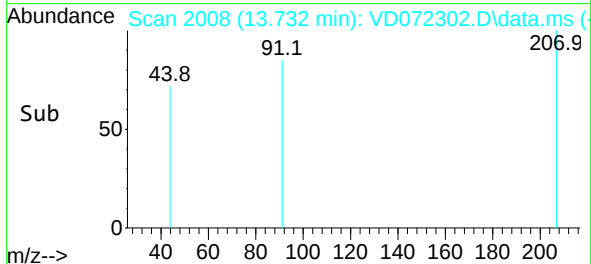
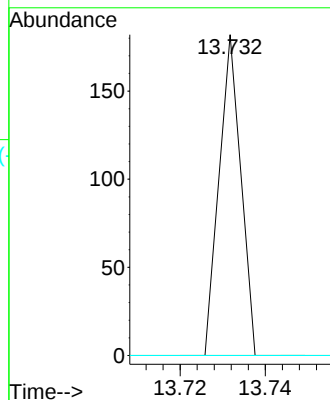
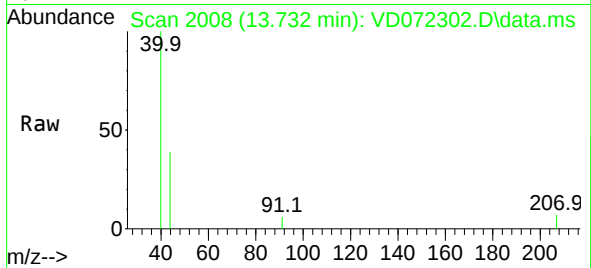




#89
n-Butylbenzene
Concen: 2.742 ug/l
RT: 13.732 min Scan# 2022
Delta R.T. -0.100 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

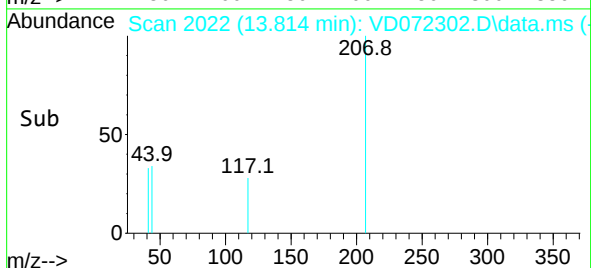
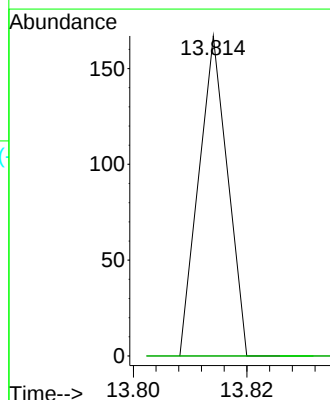
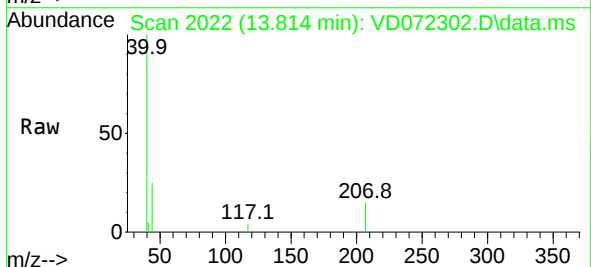
Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23

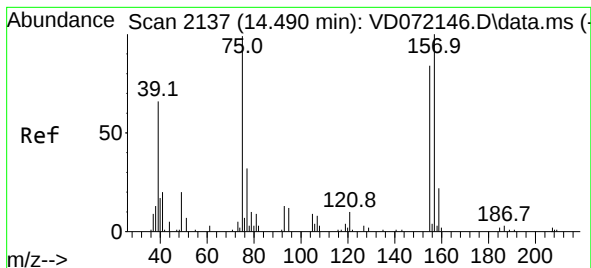
Tgt Ion: 91 Resp: 64
Ion Ratio Lower Upper
91 100
92 0.0 26.6 79.8#
134 0.0 12.3 36.9#



#90
Hexachloroethane
Concen: 12.293 ug/l
RT: 13.814 min Scan# 2022
Delta R.T. -0.282 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 117 Resp: 59
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#

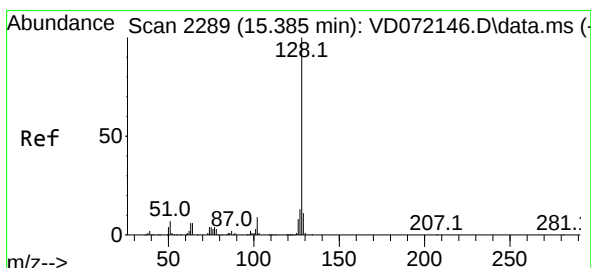
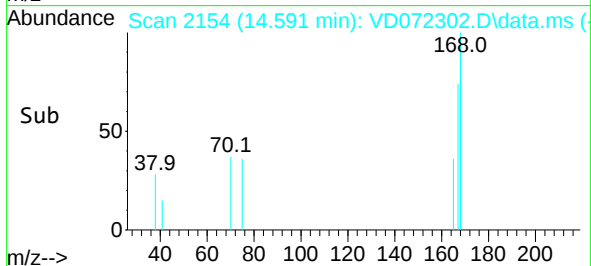
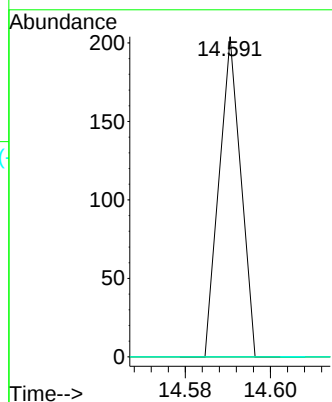
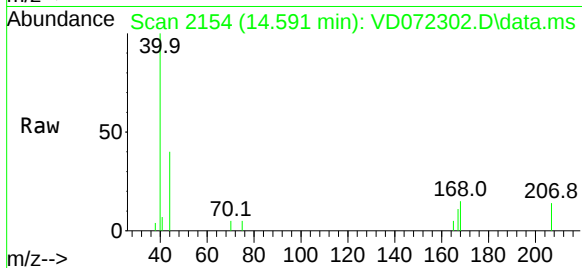




#92
1,2-Dibromo-3-Chloropropane
Concen: 95.880 ug/l
RT: 14.591 min Scan# 2137
Delta R.T. 0.100 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Instrument :
MSVOA_D
ClientSampleId :
C-21-21-23

Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#



#95
Naphthalene
Concen: 95.153 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD072302.D
Acq: 18 Mar 2022 21:02

Tgt Ion: 128 Resp: 1175
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

