

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071222\
 Data File : VD073833.D
 Acq On : 12 Jul 2022 12:29
 Operator : VA/SY
 Sample : N3644-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-070822

Quant Time: Jul 13 04:30:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 07:04:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	101248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	223283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	201490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	82448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	79823	58.860	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.720%
35) Dibromofluoromethane	7.902	113	74530	50.457	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.920%
50) Toluene-d8	10.332	98	275211	53.433	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	106.860%
62) 4-Bromofluorobenzene	12.620	95	94863	43.468	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	86.940%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	4377	7.622	ug/l	99
3) Chloromethane	2.226	50	2875	Below Cal	#	72
4) Vinyl Chloride	2.344	62	3983	Below Cal		95
5) Bromomethane	2.767	94	2142	Below Cal		88
6) Chloroethane	2.926	64	2397	3.277	ug/l	99
7) Trichlorofluoromethane	3.267	101	5539	3.849	ug/l	# 81
9) 1,1,2-Trichlorotrifluo...	4.085	101	3502	3.944	ug/l	# 82
10) Methyl Iodide	4.303	142	1116	1.937	ug/l	# 80
11) Tert butyl alcohol	5.167	59	4743	15.839	ug/l	# 100
12) 1,1-Dichloroethene	4.067	96	2430	3.570	ug/l	# 86
14) Allyl chloride	4.697	41	2807	2.139	ug/l	# 81
15) Acrylonitrile	5.420	53	924	3.554	ug/l	# 56
16) Acetone	4.150	43	1721	7.407	ug/l	# 77
17) Carbon Disulfide	4.397	76	5866	Below Cal	#	93
18) Methyl Acetate	4.703	43	77	Below Cal	#	55
20) Methylene Chloride	4.956	84	9479	1.333	ug/l	90
21) trans-1,2-Dichloroethene	5.461	96	2177	2.717	ug/l	85
22) Diisopropyl ether	6.350	45	4582	1.279	ug/l	# 93
23) Vinyl Acetate	6.314	43	5775	3.137	ug/l	# 80
24) 1,1-Dichloroethane	6.255	63	4433	2.265	ug/l	# 81
25) 2-Butanone	7.208	43	1887	5.399	ug/l	# 49
26) 2,2-Dichloropropane	7.197	77	5279	2.833	ug/l	# 70
27) cis-1,2-Dichloroethene	7.191	96	2209	1.921	ug/l	77
28) Bromochloromethane	7.532	49	1079	1.352	ug/l	# 31
29) Tetrahydrofuran	7.555	42	798	3.833	ug/l	# 76
30) Chloroform	7.697	83	3726	1.693	ug/l	91
32) 1,1,1-Trichloroethane	7.902	97	5233	2.845	ug/l	95
36) 1,1-Dichloropropene	8.108	75	4389	2.937	ug/l	97
38) Carbon Tetrachloride	8.097	117	4391	2.573	ug/l	87
39) Methylcyclohexane	9.338	83	5348	3.457	ug/l	# 70
40) Benzene	8.338	78	8081	1.816	ug/l	# 88
42) 1,2-Dichloroethane	8.408	62	1854	1.170	ug/l	# 77
44) Trichloroethene	9.108	130	2471	2.128	ug/l	82
45) 1,2-Dichloropropane	9.367	63	1904	1.446	ug/l	95
47) Bromodichloromethane	9.661	83	2509	1.238	ug/l	# 81
51) 4-Methyl-2-Pentanone	10.220	43	3083	3.215	ug/l	93

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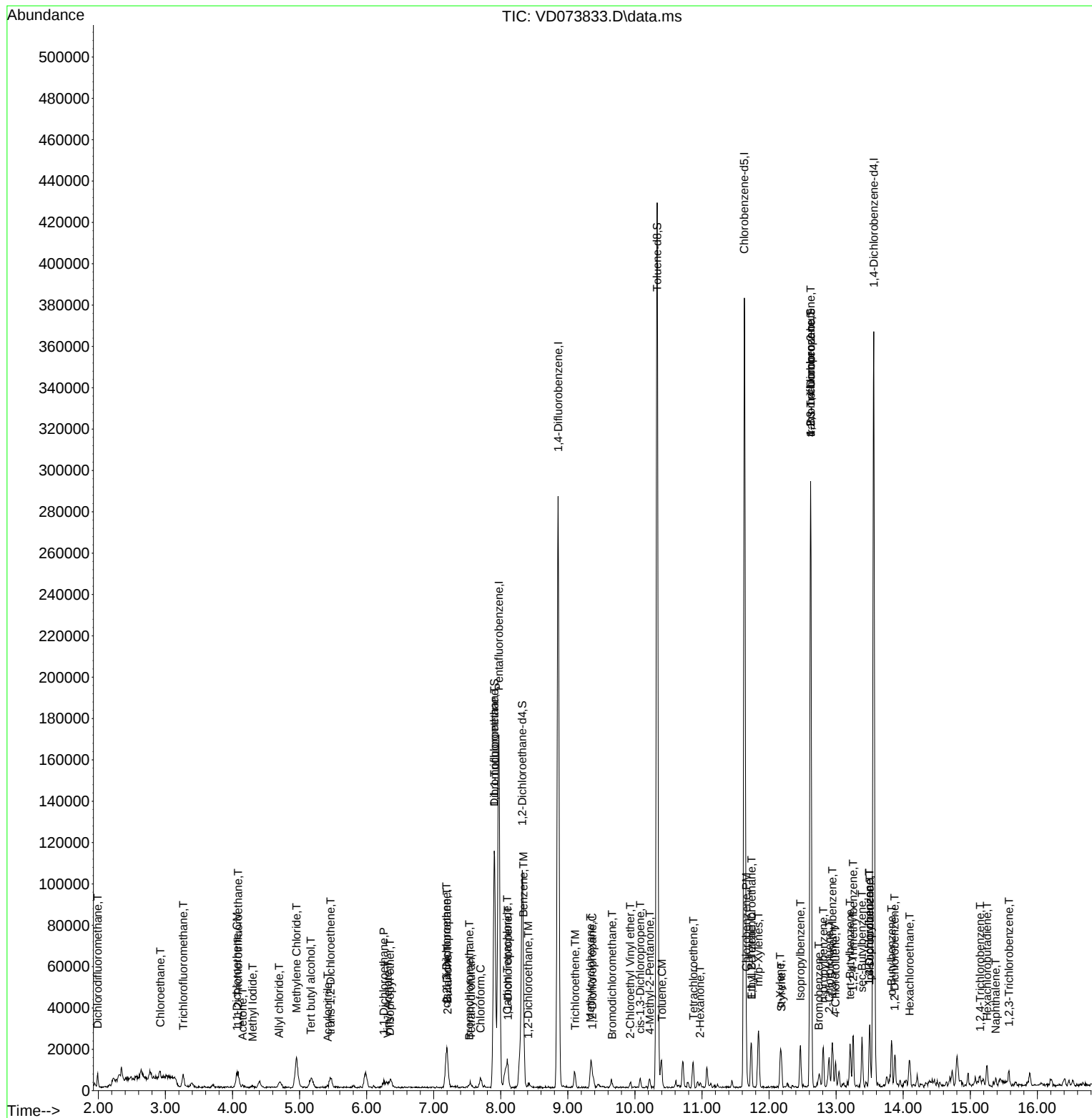
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 ClientSampleId :
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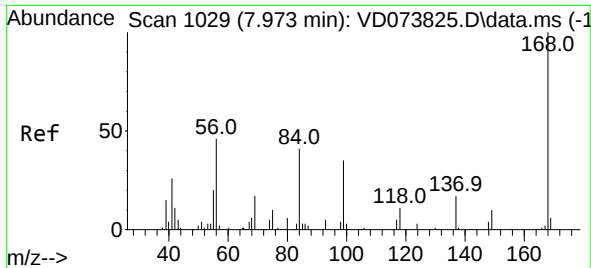
Quant Time: Jul 13 04:30:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 07:04:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Toluene	10.402	92	5177	1.733	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	2340	1.137	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.932	63	1283	2.469	ug/l #	72
59) 2-Hexanone	10.973	43	1810	2.773	ug/l	92
64) Tetrachloroethene	10.873	164	2111	2.433	ug/l	90
65) Chlorobenzene	11.661	112	4829	1.450	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	1624	1.228	ug/l #	57
67) Ethyl Benzene	11.738	91	11769	1.894	ug/l	99
68) m/p-Xylenes	11.843	106	7825	3.433	ug/l	97
69) o-Xylene	12.167	106	3511	1.554	ug/l	97
70) Styrene	12.185	104	4663	1.192	ug/l	92
73) Isopropylbenzene	12.467	105	11869	2.106	ug/l	97
76) 1,2,3-Trichloropropane	12.620	75	54388	60.977	ug/l #	1
77) Bromobenzene	12.743	156	1527	1.293	ug/l	95
78) n-propylbenzene	12.808	91	16391	2.303	ug/l	94
79) 2-Chlorotoluene	12.896	91	7447	1.819	ug/l	99
80) 1,3,5-Trimethylbenzene	12.943	105	8793	1.872	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.620	75	54388	160.253	ug/l #	10
82) 4-Chlorotoluene	12.990	91	6789	1.586	ug/l	93
83) tert-Butylbenzene	13.208	119	9104	2.199	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	10890	2.311	ug/l	97
85) sec-Butylbenzene	13.385	105	14893	2.314	ug/l	98
86) p-Isopropyltoluene	13.502	119	10653	2.056	ug/l	96
87) 1,3-Dichlorobenzene	13.496	146	3197	1.260	ug/l	84
88) 1,4-Dichlorobenzene	13.496	146	3197	1.286	ug/l	85
89) n-Butylbenzene	13.826	91	12365	2.378	ug/l	93
90) Hexachloroethane	14.096	117	2407	2.399	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	2411	1.079	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	1595	1.252	ug/l	87
94) Hexachlorobutadiene	15.249	225	1363	2.249	ug/l	86
95) Naphthalene	15.379	128	3087	1.110	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.579	180	1143	1.032	ug/l	92

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

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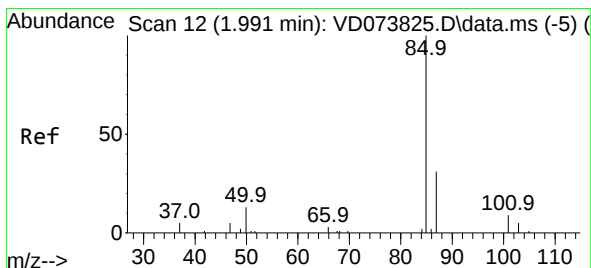
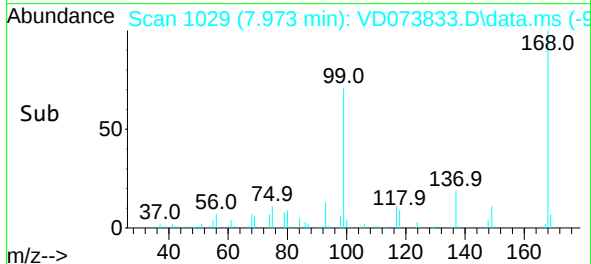
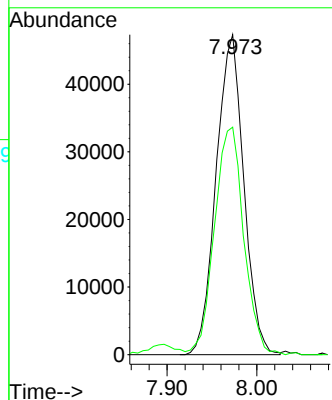
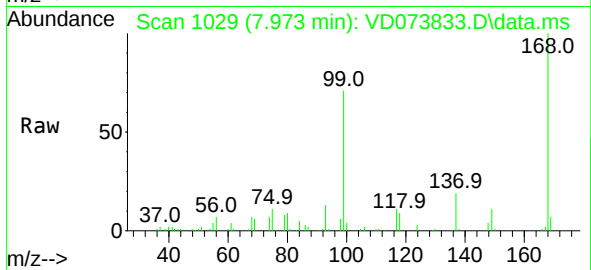




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

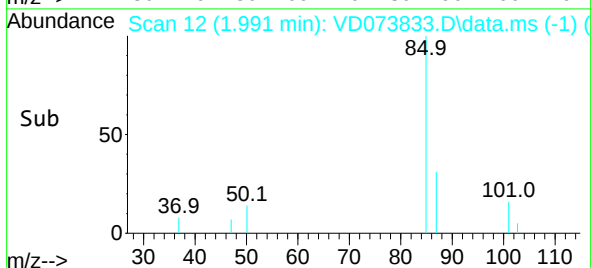
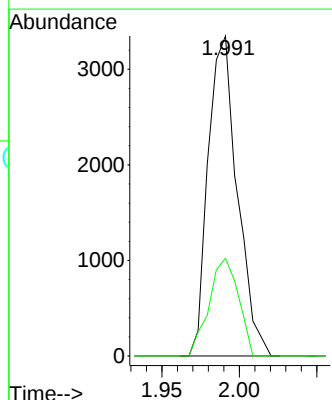
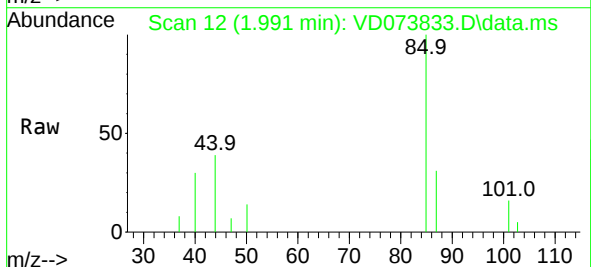
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

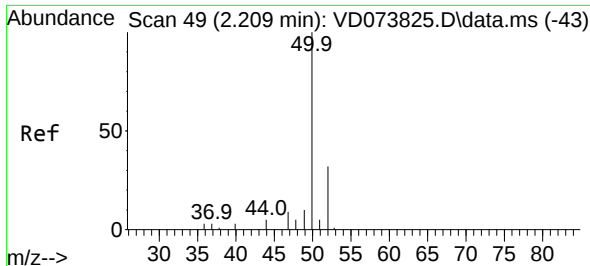
Tgt Ion:168 Resp: 101248
Ion Ratio Lower Upper
168 100
99 70.5 53.8 80.6



#2
Dichlorodifluoromethane
Concen: 7.622 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 85 Resp: 4377
Ion Ratio Lower Upper
85 100
87 30.6 15.6 46.7

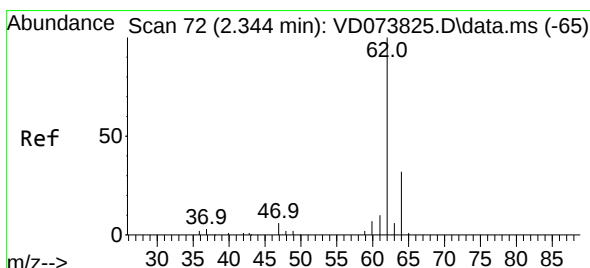
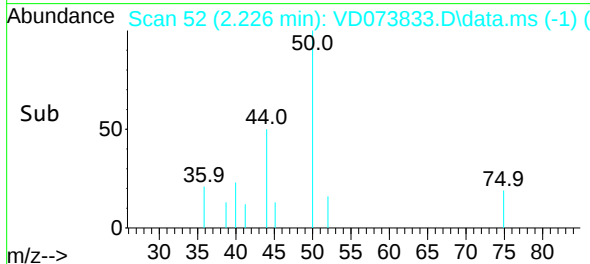
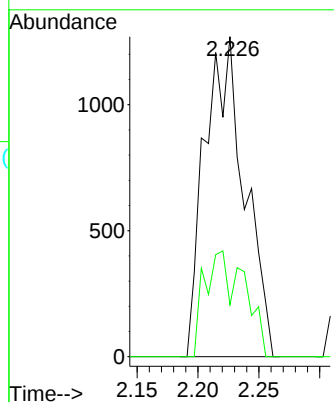
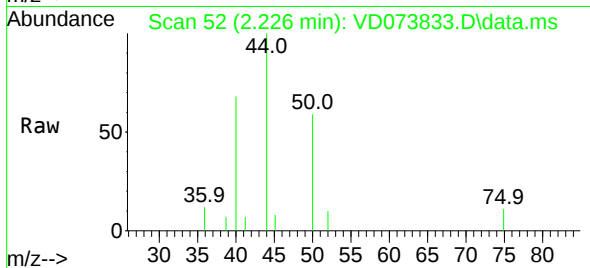




#3
Chloromethane
Concen: Below Cal
RT: 2.226 min Scan# 51
Delta R.T. 0.017 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

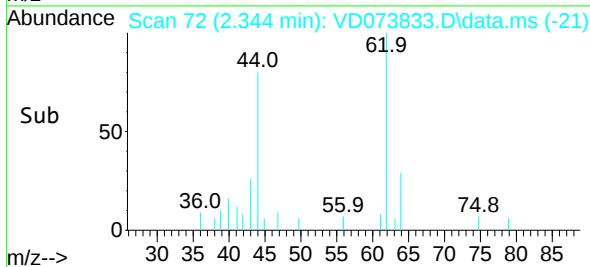
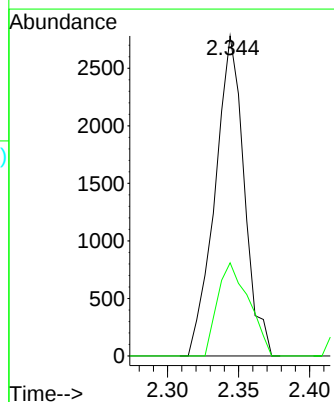
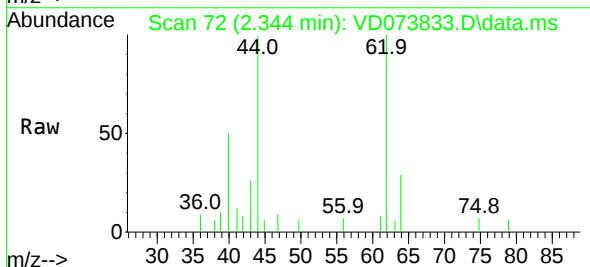
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

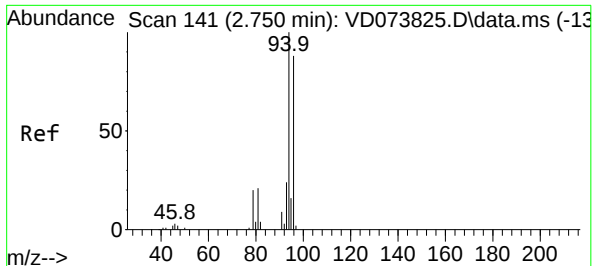
Tgt Ion: 50 Resp: 2875
Ion Ratio Lower Upper
50 100
52 16.2 25.5 38.3#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.344 min Scan# 72
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 62 Resp: 3983
Ion Ratio Lower Upper
62 100
64 29.1 25.4 38.0

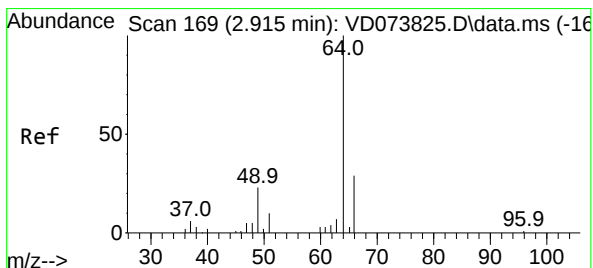
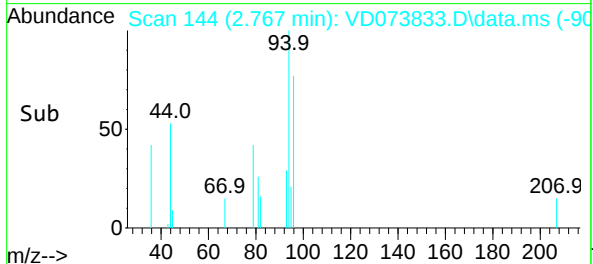
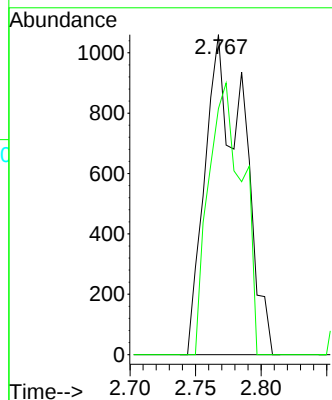
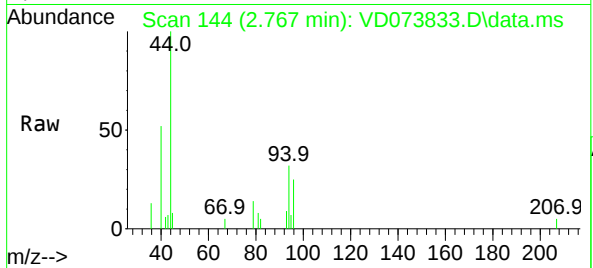




#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 141
Delta R.T. 0.017 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

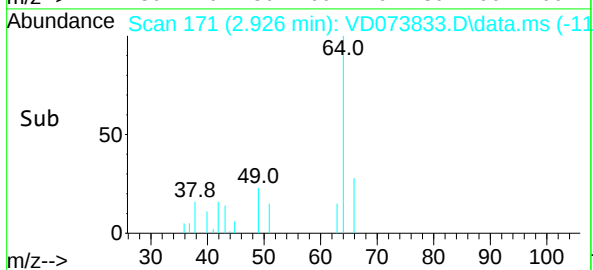
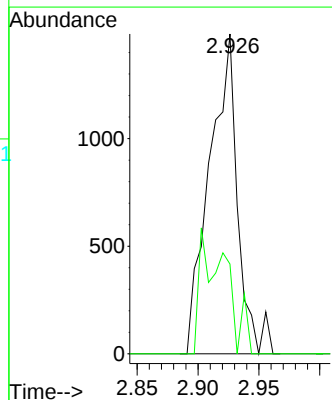
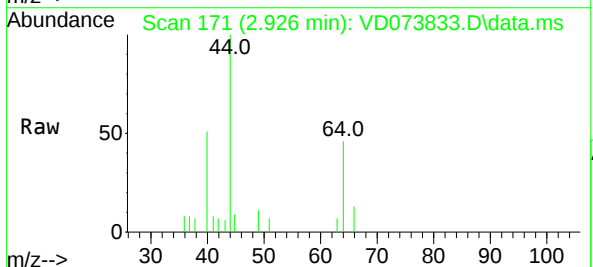
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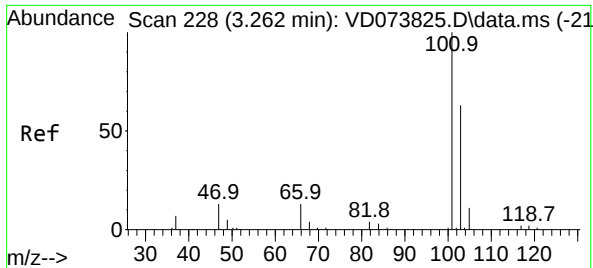
Tgt Ion: 94 Resp: 2142
Ion Ratio Lower Upper
94 100
96 76.9 70.3 105.5



#6
Chloroethane
Concen: 3.277 ug/l
RT: 2.926 min Scan# 171
Delta R.T. 0.011 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 64 Resp: 2397
Ion Ratio Lower Upper
64 100
66 28.1 23.0 34.6

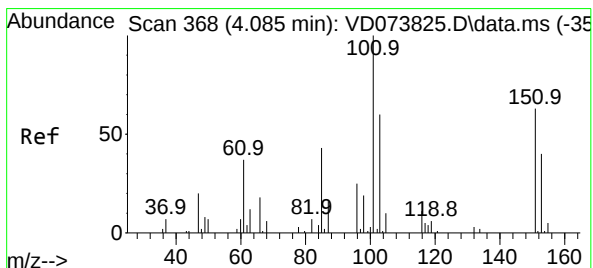
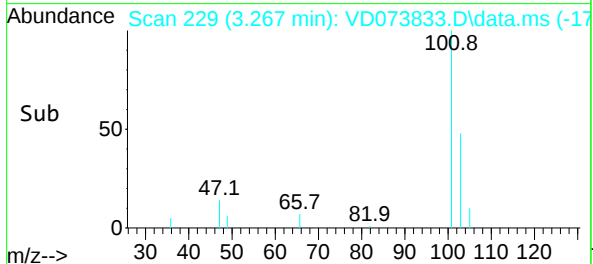
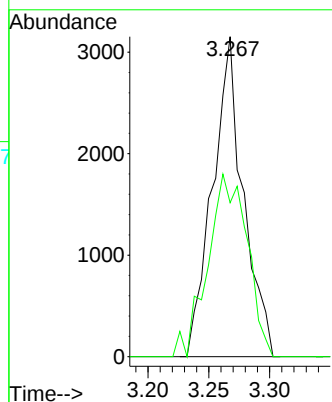
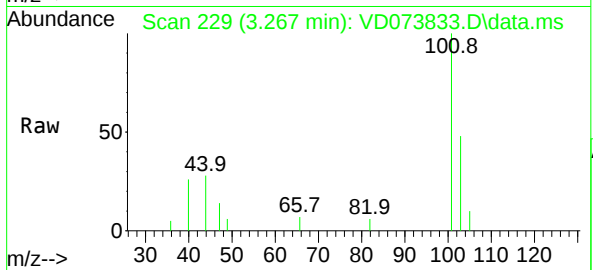




#7
 Trichlorofluoromethane
 Concen: 3.849 ug/l
 RT: 3.267 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VD073833.D
 Acq: 12 Jul 2022 12:29

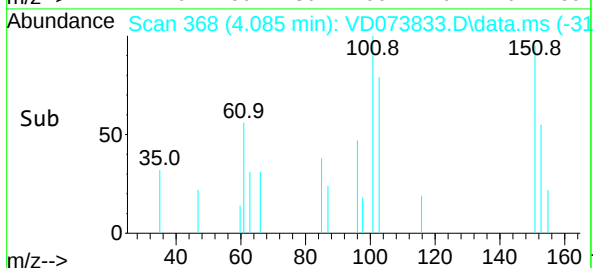
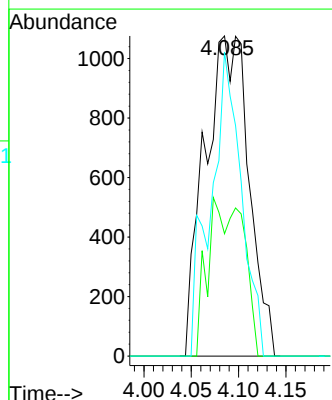
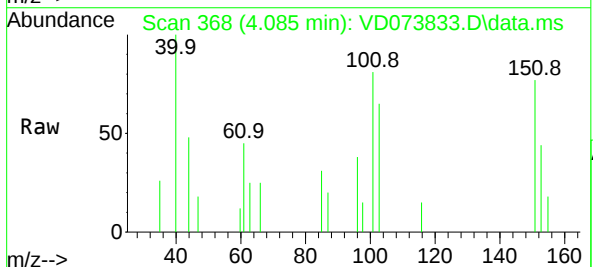
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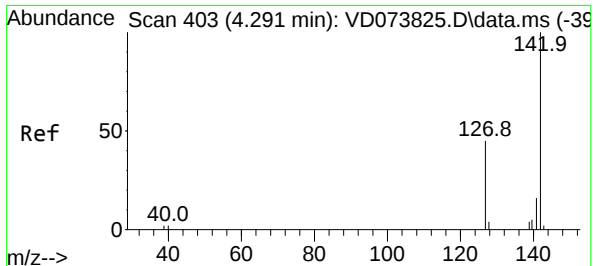
Tgt Ion:101 Resp: 5539
 Ion Ratio Lower Upper
 101 100
 103 48.1 50.3 75.5#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 3.944 ug/l
 RT: 4.085 min Scan# 368
 Delta R.T. -0.000 min
 Lab File: VD073833.D
 Acq: 12 Jul 2022 12:29

Tgt Ion:101 Resp: 3502
 Ion Ratio Lower Upper
 101 100
 85 20.0 38.6 57.8#
 151 66.0 53.6 80.4

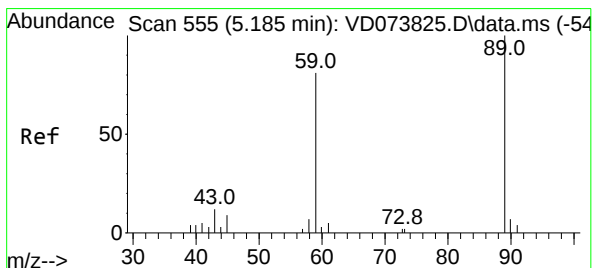
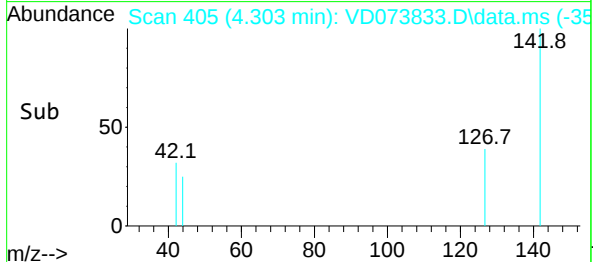
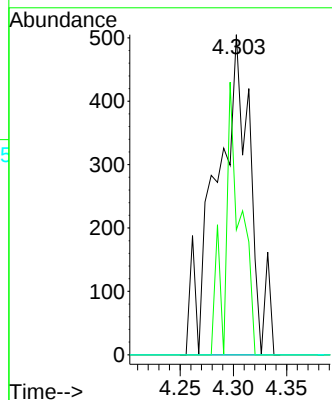
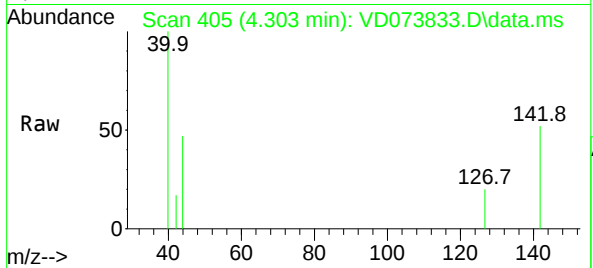




#10
Methyl Iodide
Concen: 1.937 ug/l
RT: 4.303 min Scan# 403
Delta R.T. 0.012 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

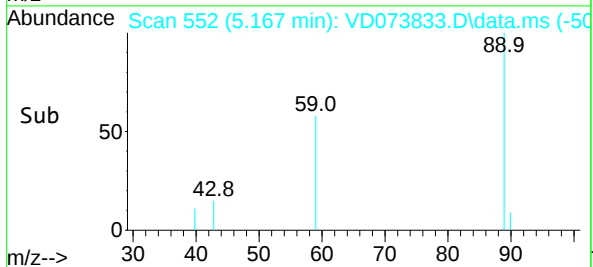
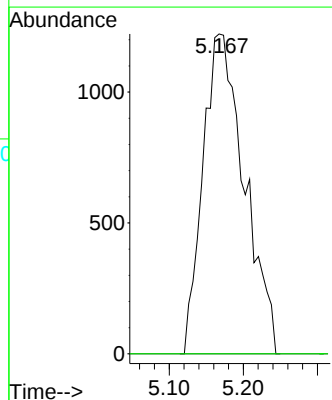
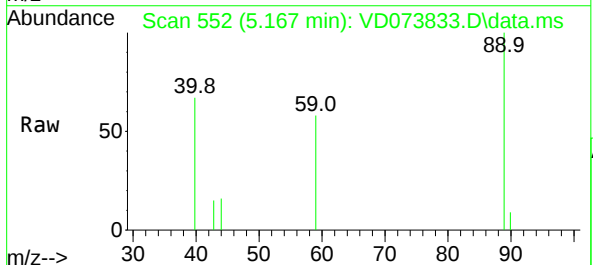
Instrument :
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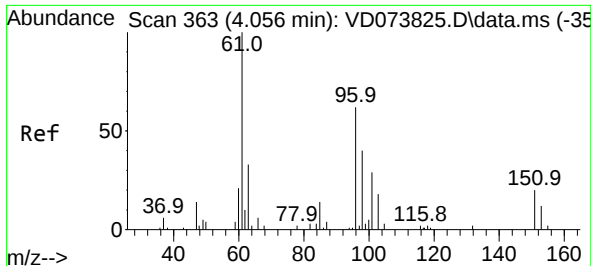
Tgt Ion:142 Resp: 1116
Ion Ratio Lower Upper
142 100
127 39.2 39.8 59.6#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 15.839 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.018 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 59 Resp: 4743
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#12

1,1-Dichloroethene

Concen: 3.570 ug/l

RT: 4.067 min Scan# 30

Delta R.T. 0.011 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-070822

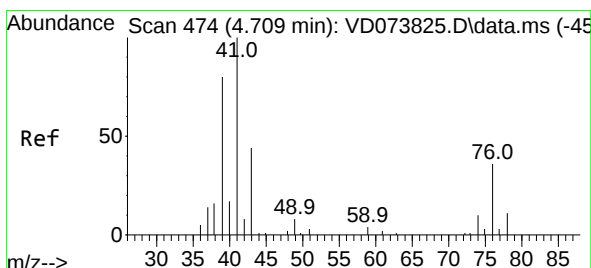
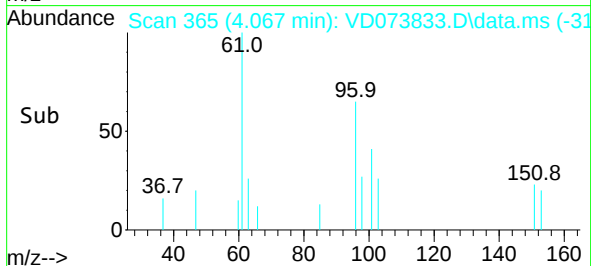
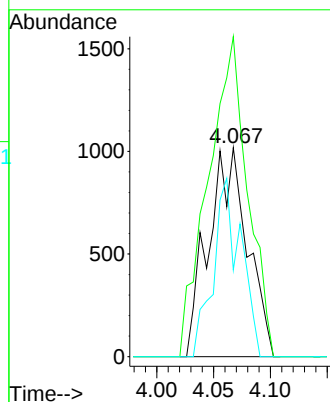
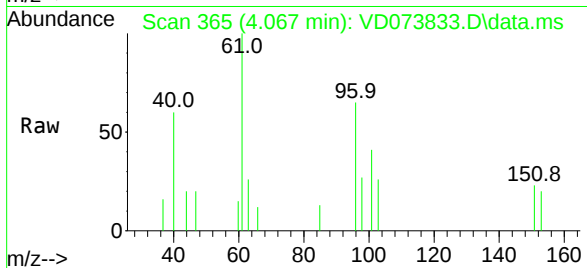
Tgt Ion: 96 Resp: 2430

Ion Ratio Lower Upper

96 100

61 153.1 130.1 195.1

98 41.5 52.1 78.1#



#14

Allyl chloride

Concen: 2.139 ug/l

RT: 4.697 min Scan# 472

Delta R.T. -0.012 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

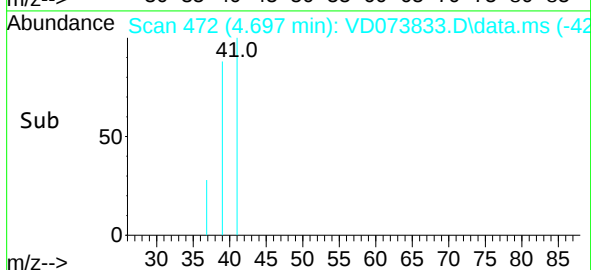
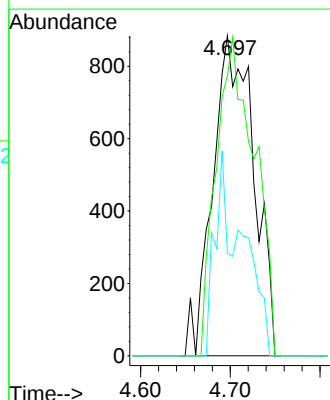
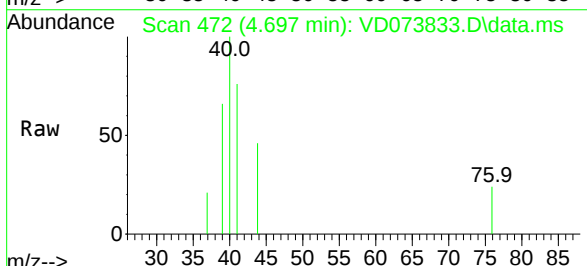
Tgt Ion: 41 Resp: 2807

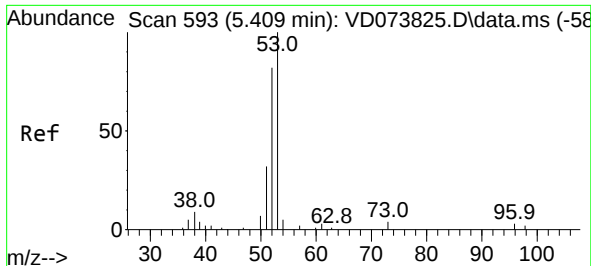
Ion Ratio Lower Upper

41 100

39 93.3 62.5 93.7

76 22.2 28.6 43.0#

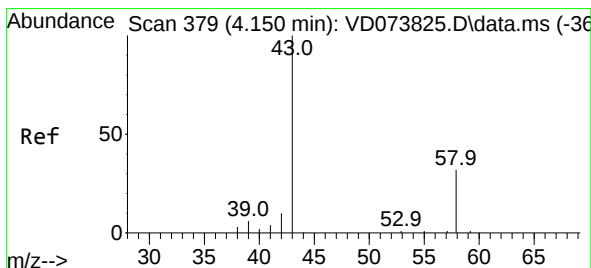
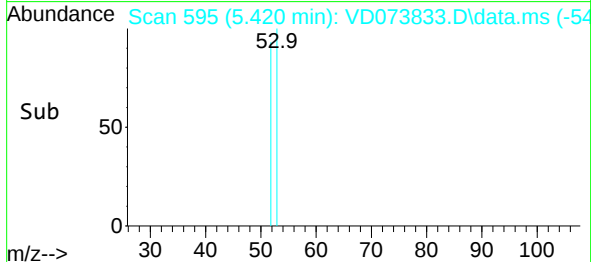
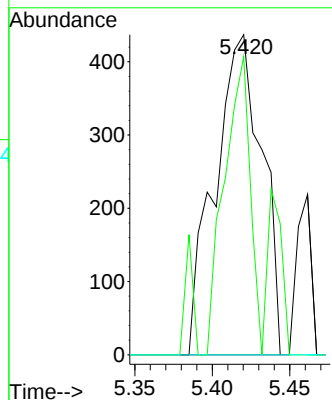
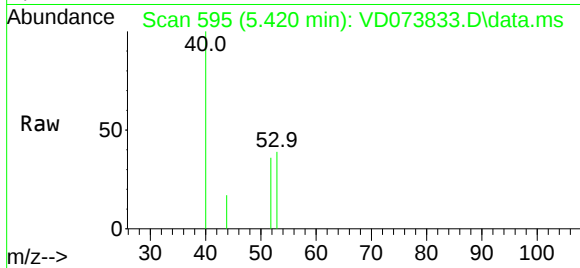




#15
Acrylonitrile
Concen: 3.554 ug/l
RT: 5.420 min Scan# 595
Delta R.T. 0.012 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

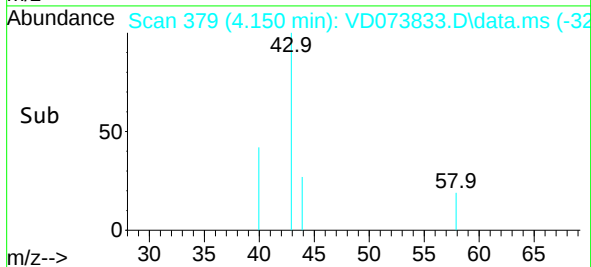
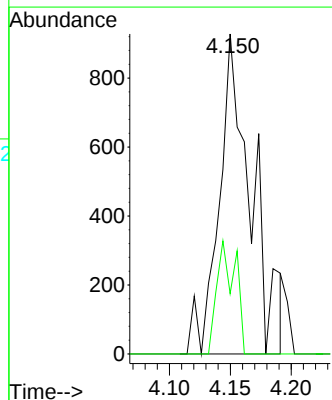
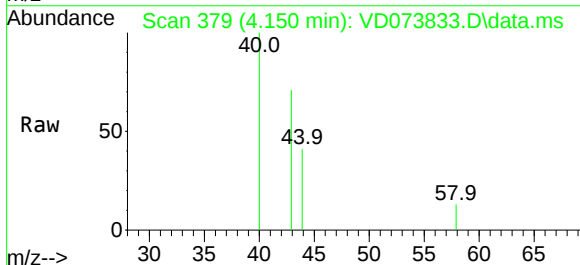
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

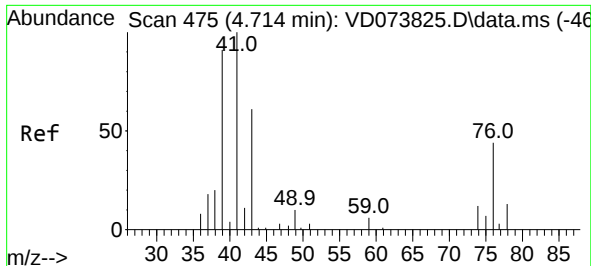
Tgt Ion: 53 Resp: 924
Ion Ratio Lower Upper
53 100
52 51.3 66.1 99.1#
51 0.0 30.6 45.8#



#16
Acetone
Concen: 7.407 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
58 18.9 25.2 37.8#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.703 min Scan# 41

Delta R.T. -0.011 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

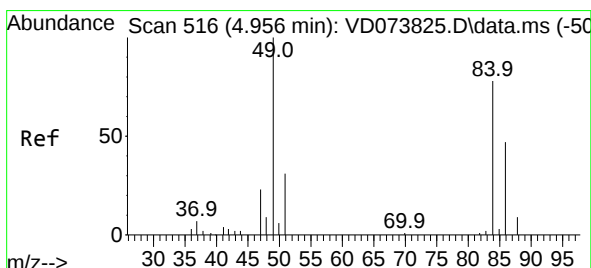
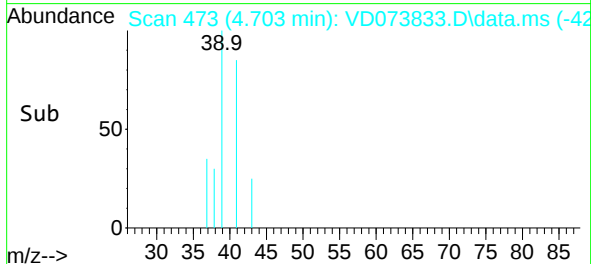
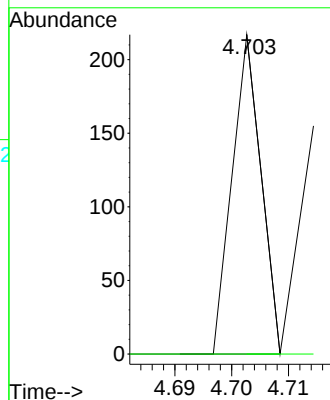
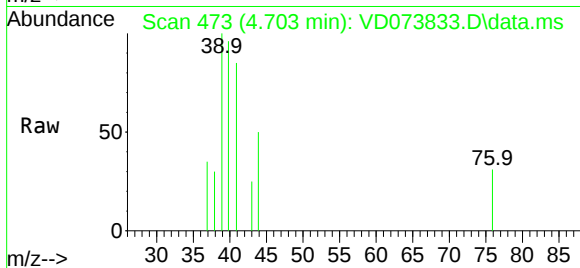
OR-03-070822

Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



#20

Methylene Chloride

Concen: 1.333 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Tgt Ion: 84 Resp: 9479

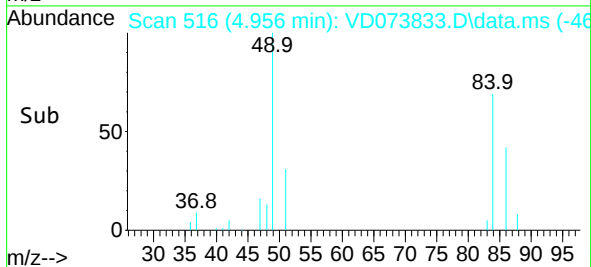
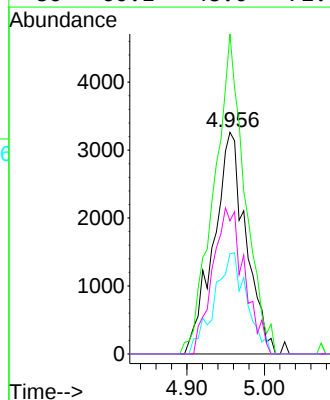
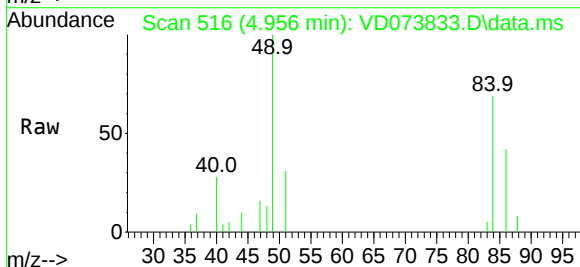
Ion Ratio Lower Upper

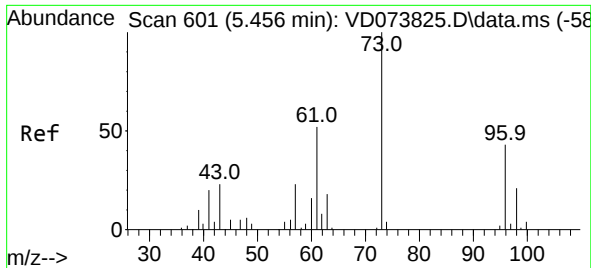
84 100

49 144.4 102.5 153.7

51 45.1 31.4 47.0

86 60.1 48.0 72.0

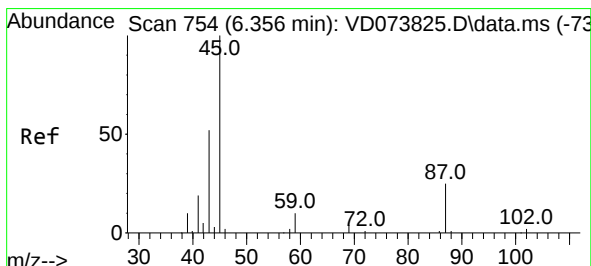
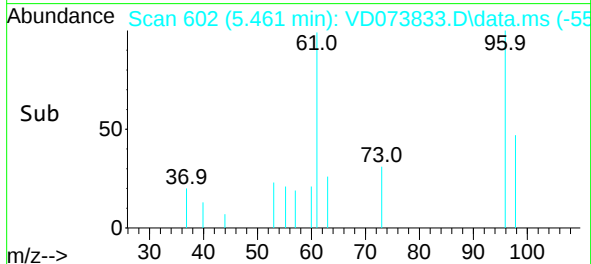
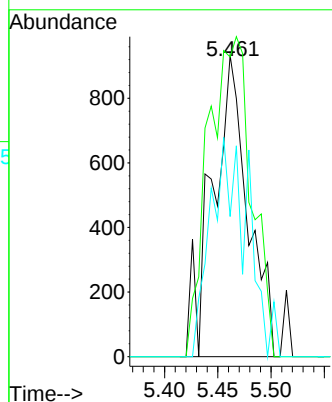
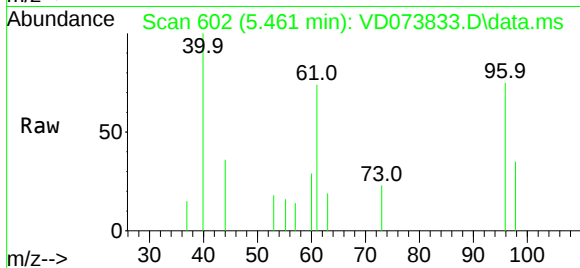




#21
trans-1,2-Dichloroethene
Concen: 2.717 ug/l
RT: 5.461 min Scan# 601
Delta R.T. 0.005 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

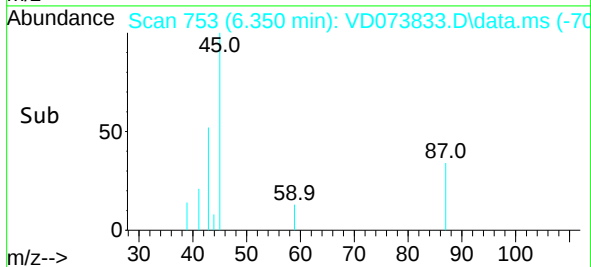
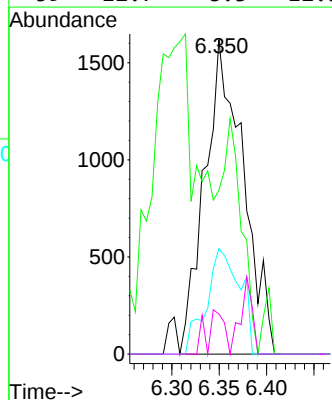
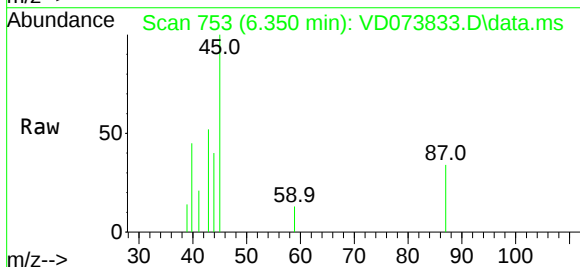
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

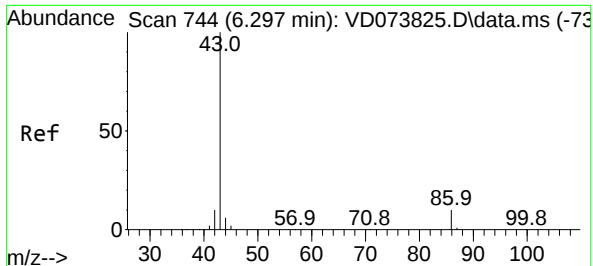
Tgt Ion: 96 Resp: 2177
Ion Ratio Lower Upper
96 100
61 99.5 97.0 145.6
98 46.5 39.5 59.3



#22
Diisopropyl ether
Concen: 1.279 ug/l
RT: 6.350 min Scan# 753
Delta R.T. -0.006 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 45 Resp: 4582
Ion Ratio Lower Upper
45 100
43 52.2 44.1 66.1
87 33.6 20.8 31.2#
59 12.7 8.3 12.5#

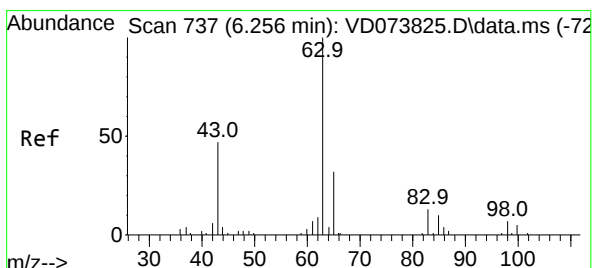
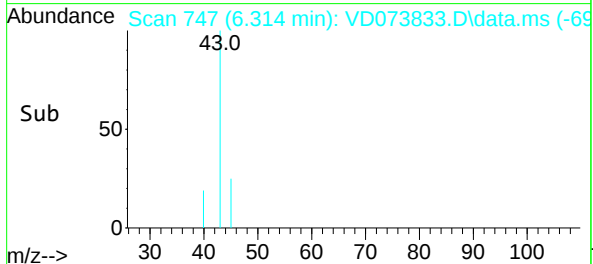
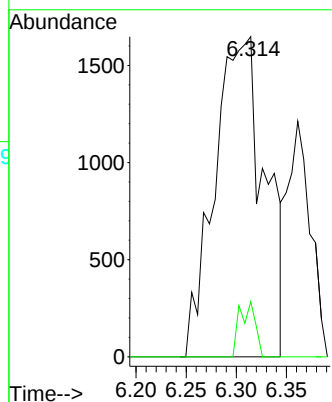
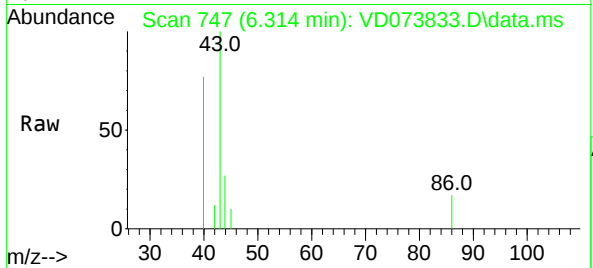




#23
 Vinyl Acetate
 Concen: 3.137 ug/l
 RT: 6.314 min Scan# 744
 Delta R.T. 0.018 min
 Lab File: VD073833.D
 Acq: 12 Jul 2022 12:29

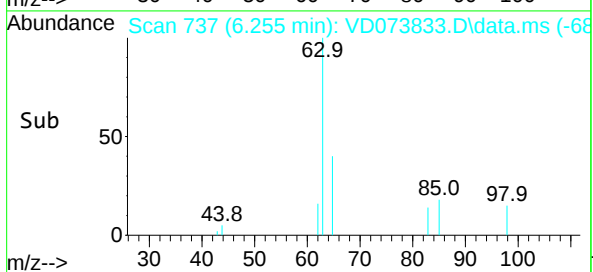
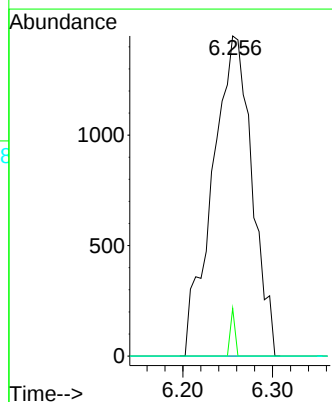
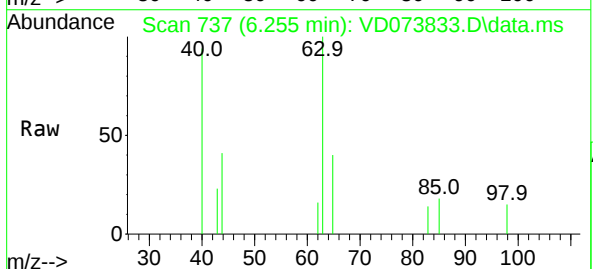
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-070822

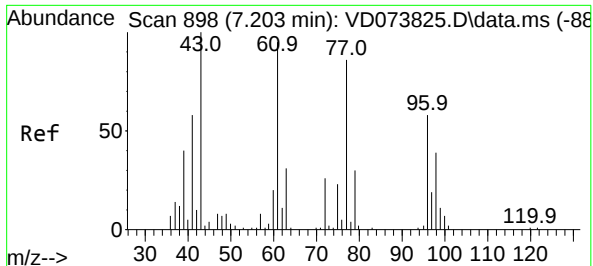
Tgt Ion: 43 Resp: 5775
 Ion Ratio Lower Upper
 43 100
 86 17.2 7.8 11.8#



#24
 1,1-Dichloroethane
 Concen: 2.265 ug/l
 RT: 6.255 min Scan# 737
 Delta R.T. -0.000 min
 Lab File: VD073833.D
 Acq: 12 Jul 2022 12:29

Tgt Ion: 63 Resp: 4433
 Ion Ratio Lower Upper
 63 100
 98 14.9 3.7 11.1#
 100 0.0 2.5 7.6#





#25

2-Butanone

Concen: 5.399 ug/l

RT: 7.208 min Scan# 898

Delta R.T. 0.006 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

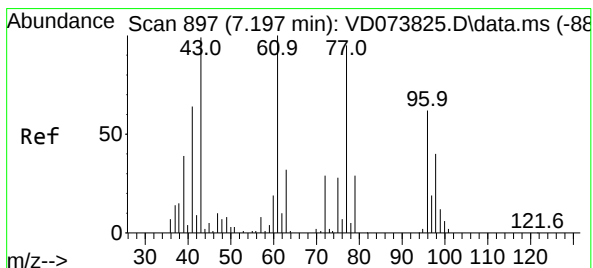
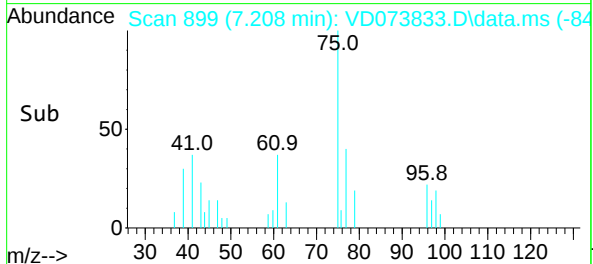
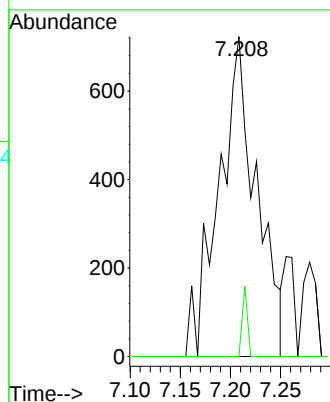
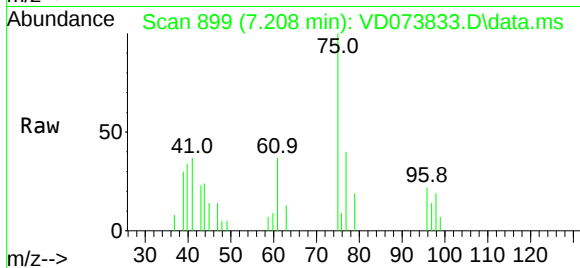
OR-03-070822

Tgt Ion: 43 Resp: 1887

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#26

2,2-Dichloropropane

Concen: 2.833 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.000 min

Lab File: VD073833.D

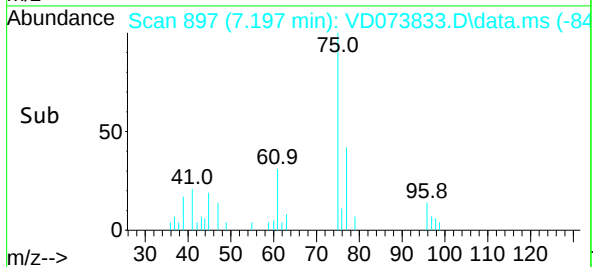
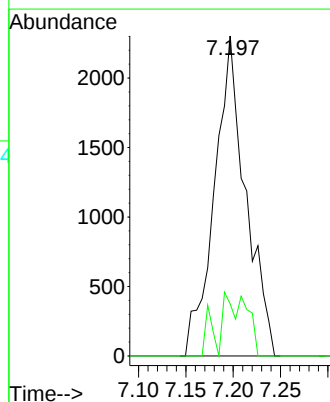
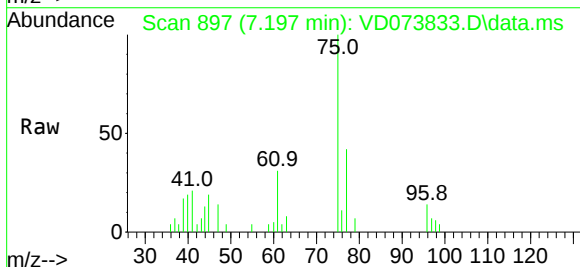
Acq: 12 Jul 2022 12:29

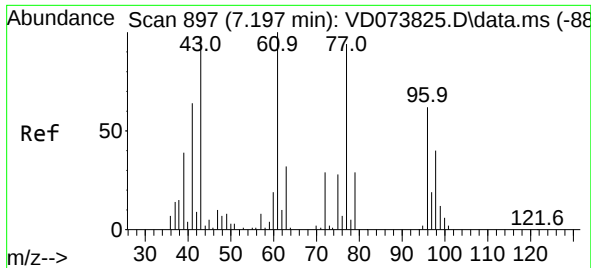
Tgt Ion: 77 Resp: 5279

Ion Ratio Lower Upper

77 100

97 7.3 10.7 31.9#

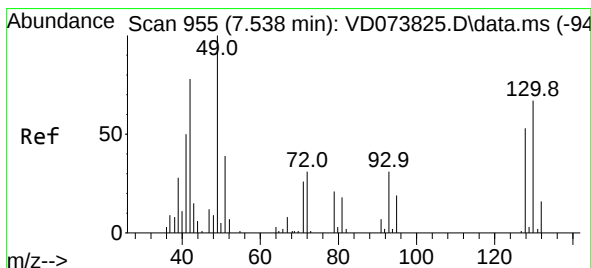
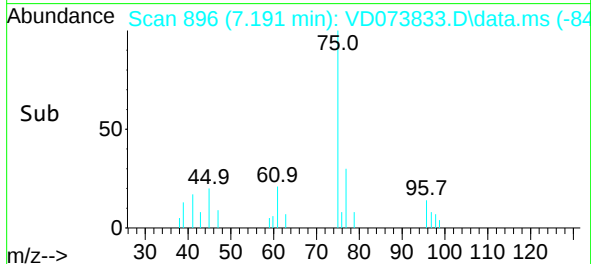
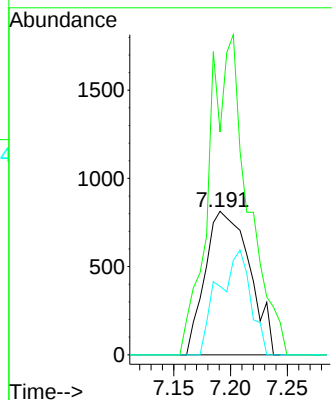
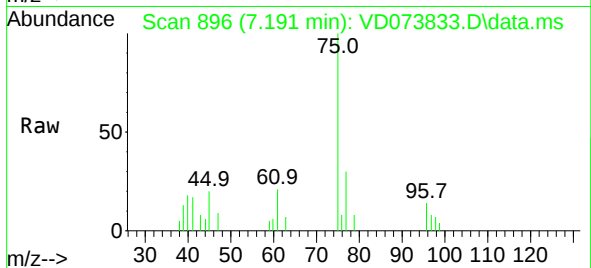




#27
 cis-1,2-Dichloroethene
 Concen: 1.921 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.006 min
 Lab File: VD073833.D
 Acq: 12 Jul 2022 12:29

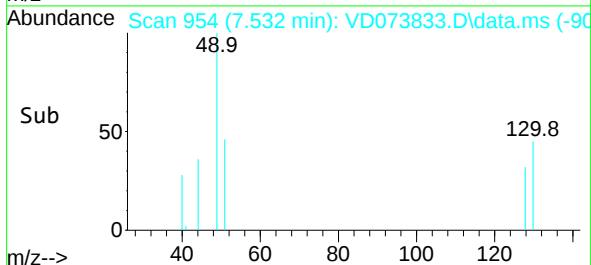
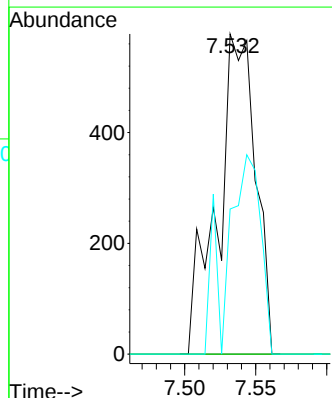
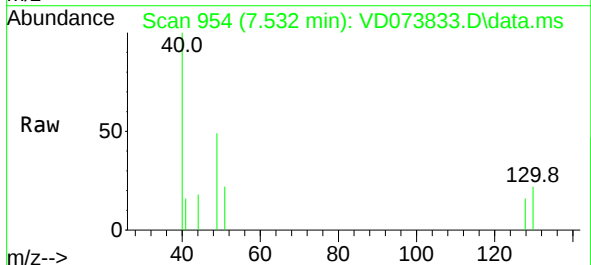
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-070822

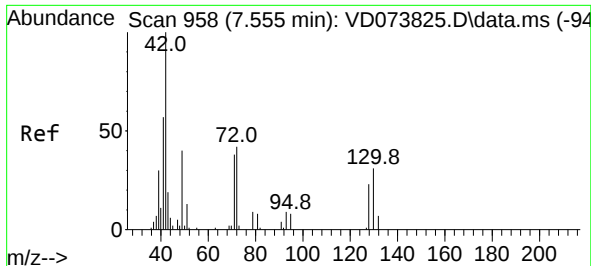
Tgt Ion: 96	Resp: 2209
Ion Ratio	Lower Upper
96 100	
61 196.4	0.0 324.4
98 52.9	0.0 131.6



#28
 Bromochloromethane
 Concen: 1.352 ug/l
 RT: 7.532 min Scan# 954
 Delta R.T. -0.006 min
 Lab File: VD073833.D
 Acq: 12 Jul 2022 12:29

Tgt Ion: 49	Resp: 1079
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 3.0
130 9.5	51.8 77.6#





#29

Tetrahydrofuran

Concen: 3.833 ug/l

RT: 7.555 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-070822

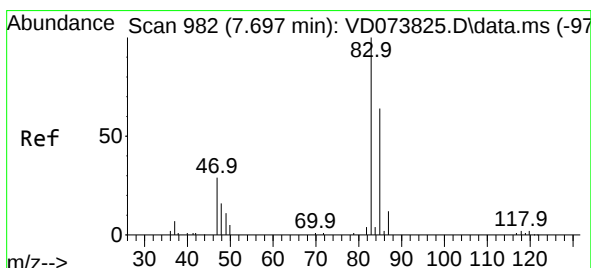
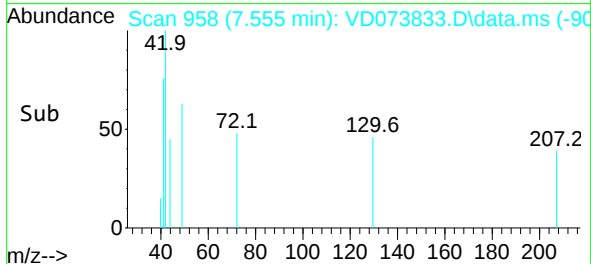
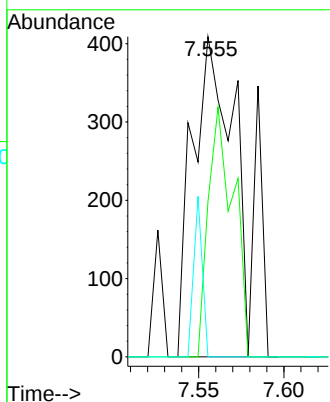
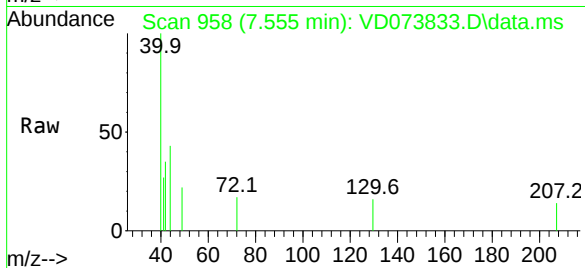
Tgt Ion: 42 Resp: 798

Ion Ratio Lower Upper

42 100

72 41.2 33.5 50.3

71 9.0 31.0 46.6#



#30

Chloroform

Concen: 1.693 ug/l

RT: 7.697 min Scan# 982

Delta R.T. -0.000 min

Lab File: VD073833.D

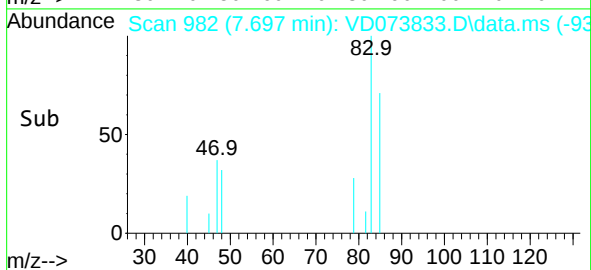
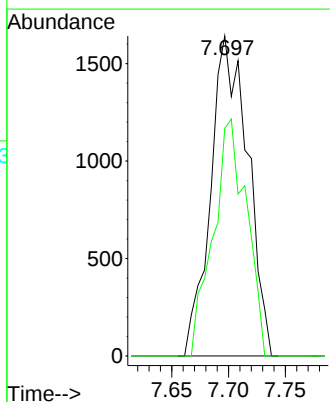
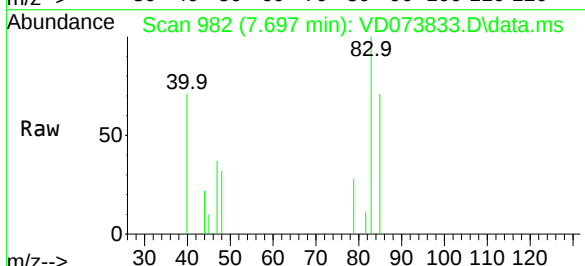
Acq: 12 Jul 2022 12:29

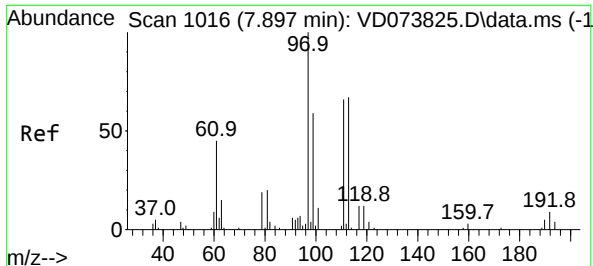
Tgt Ion: 83 Resp: 3726

Ion Ratio Lower Upper

83 100

85 71.1 51.2 76.8





#32

1,1,1-Trichloroethane

Concen: 2.845 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. 0.006 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-070822

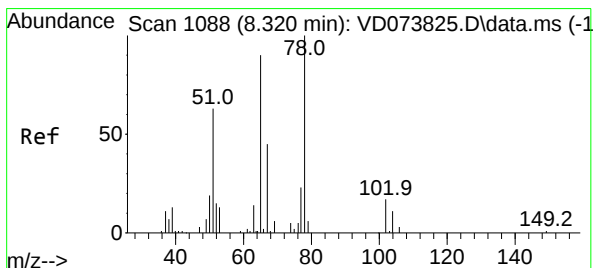
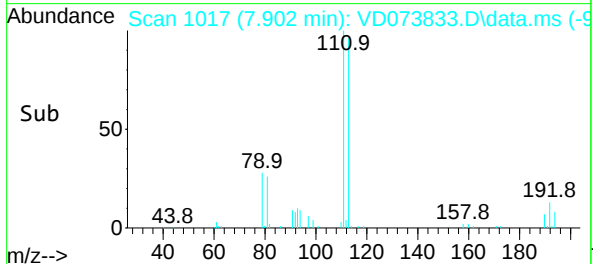
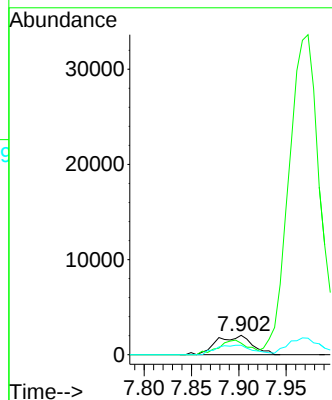
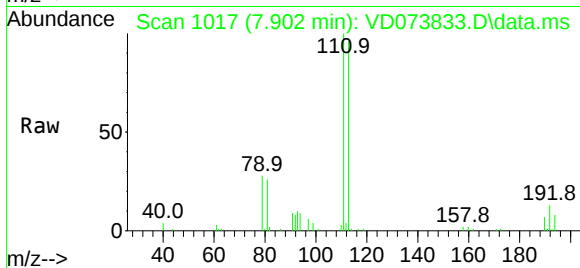
Tgt Ion: 97 Resp: 5233

Ion Ratio Lower Upper

97 100

99 62.9 52.2 78.2

61 52.1 37.0 55.4



#33

1,2-Dichloroethane-d4

Concen: 58.860 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VD073833.D

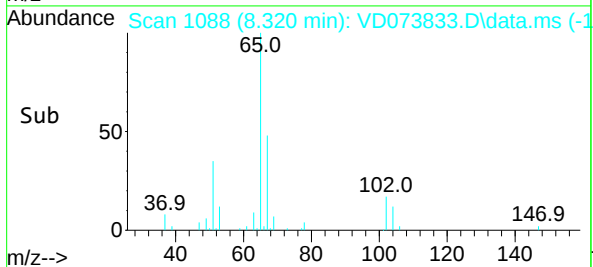
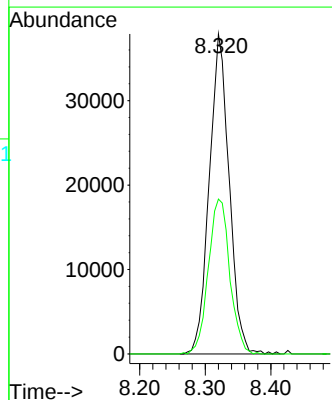
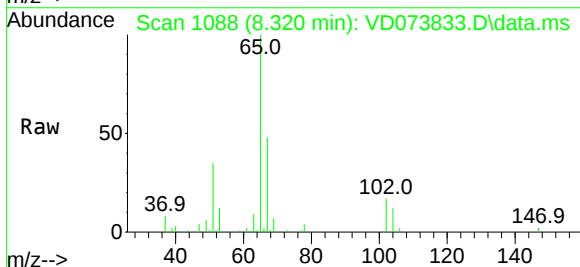
Acq: 12 Jul 2022 12:29

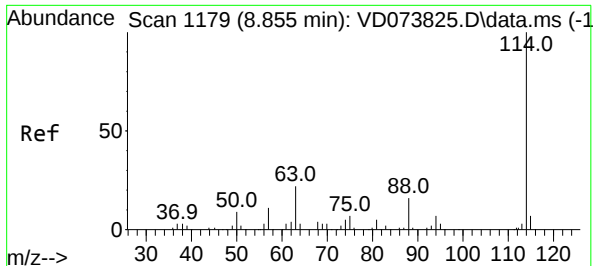
Tgt Ion: 65 Resp: 79823

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-070822

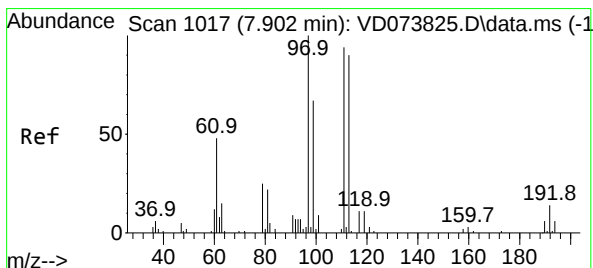
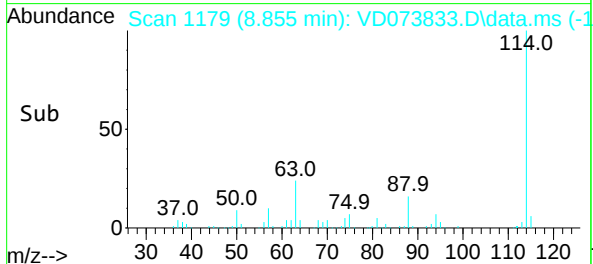
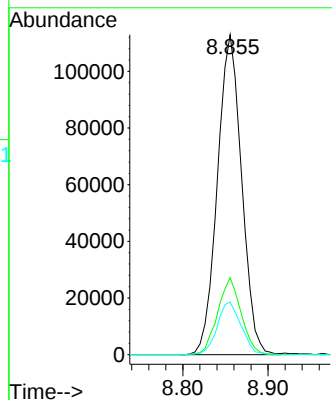
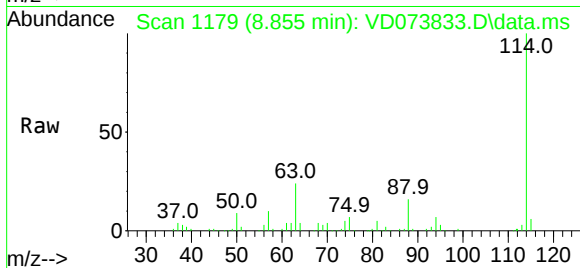
Tgt Ion:114 Resp: 223283

Ion Ratio Lower Upper

114 100

63 24.1 0.0 43.0

88 16.5 0.0 33.0



#35

Dibromofluoromethane

Concen: 50.457 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

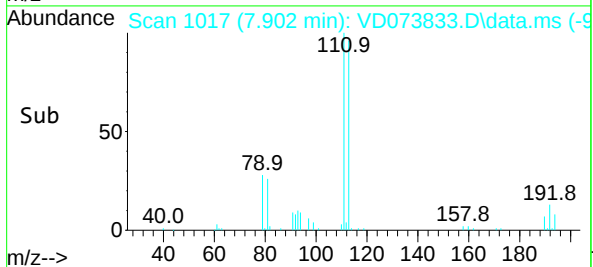
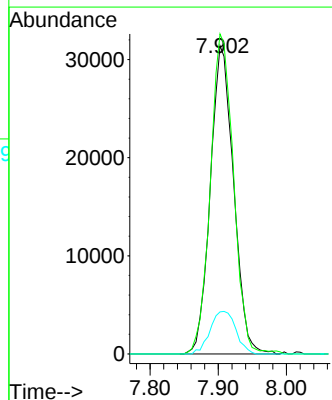
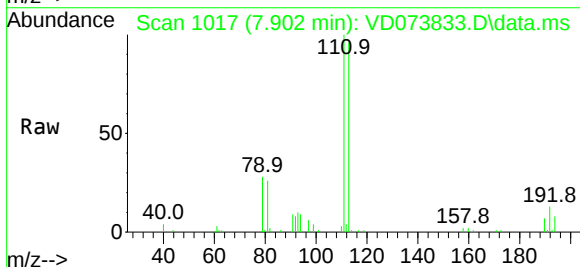
Tgt Ion:113 Resp: 74530

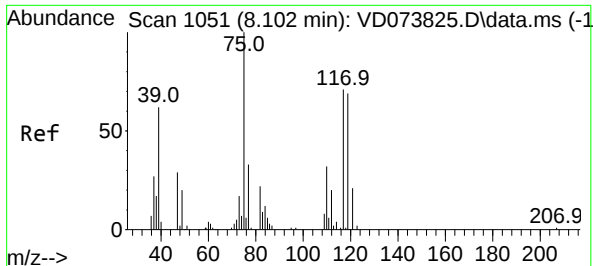
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 15.3 12.3 18.5





#36

1,1-Dichloropropene

Concen: 2.937 ug/l

RT: 8.108 min Scan# 1051

Delta R.T. 0.006 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-070822

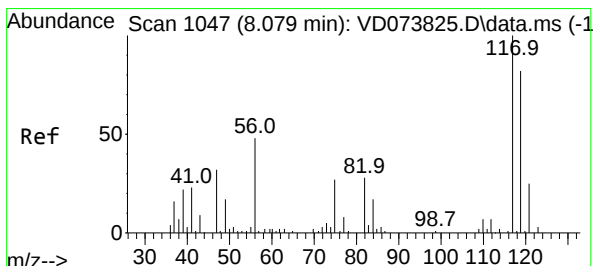
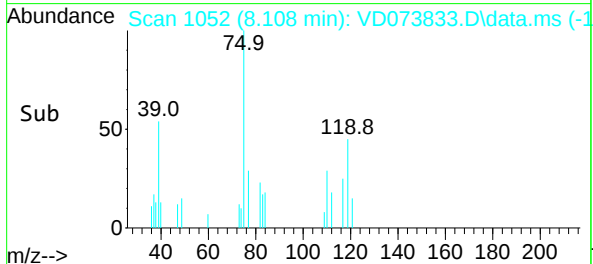
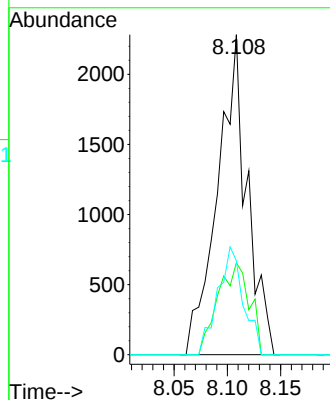
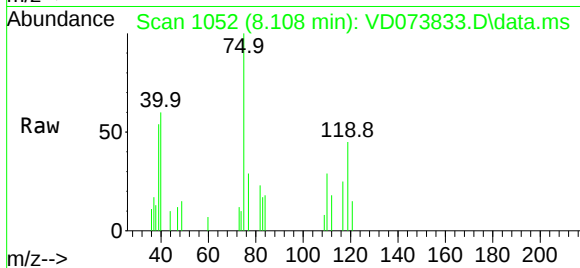
Tgt Ion: 75 Resp: 4389

Ion Ratio Lower Upper

75 100

110 30.7 16.0 47.9

77 29.5 25.3 37.9



#38

Carbon Tetrachloride

Concen: 2.573 ug/l

RT: 8.097 min Scan# 1050

Delta R.T. 0.018 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

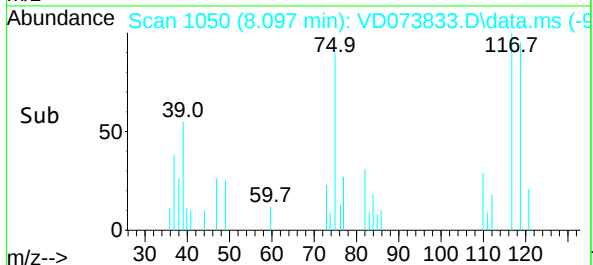
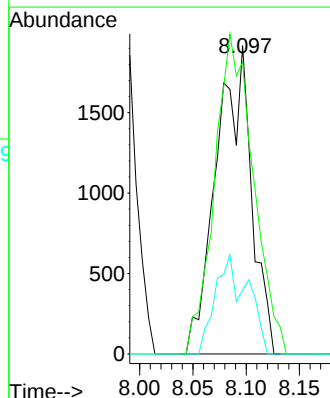
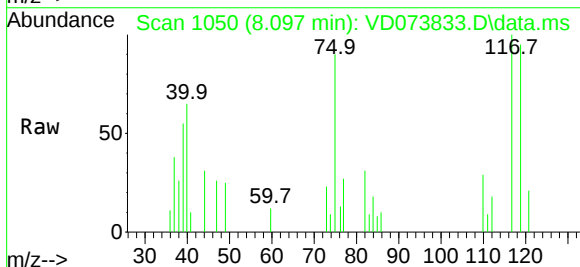
Tgt Ion: 117 Resp: 4391

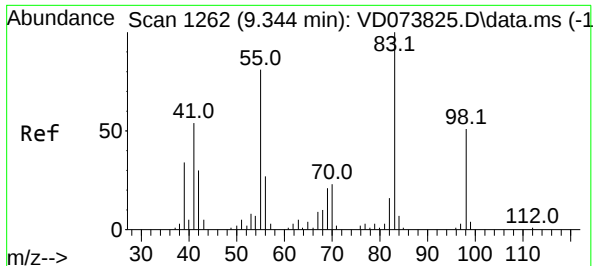
Ion Ratio Lower Upper

117 100

119 94.7 65.6 98.4

121 20.8 20.1 30.1





#39

Methylcyclohexane

Concen: 3.457 ug/l

RT: 9.338 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-070822

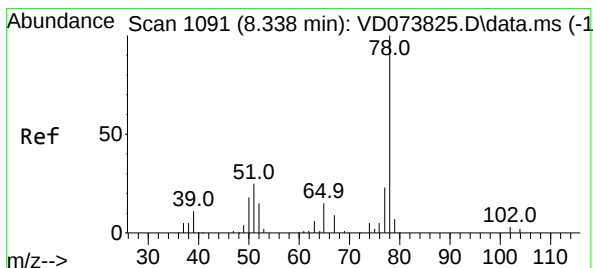
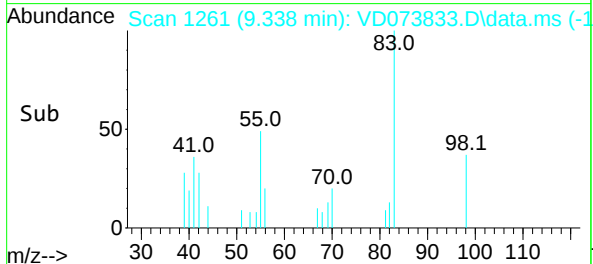
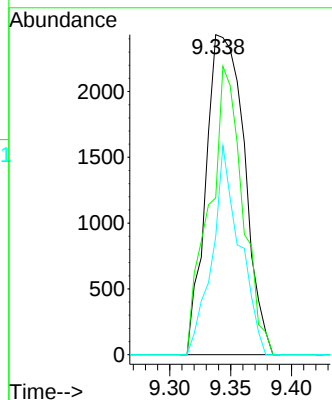
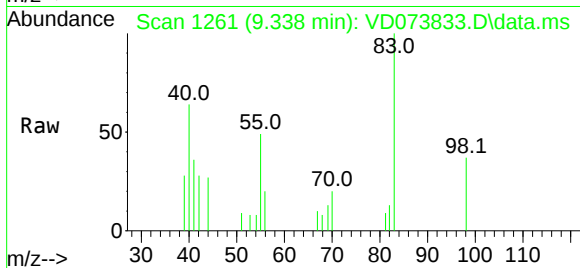
Tgt Ion: 83 Resp: 5348

Ion Ratio Lower Upper

83 100

55 49.0 64.8 97.2#

98 36.9 41.0 61.4#



#40

Benzene

Concen: 1.816 ug/l

RT: 8.338 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VD073833.D

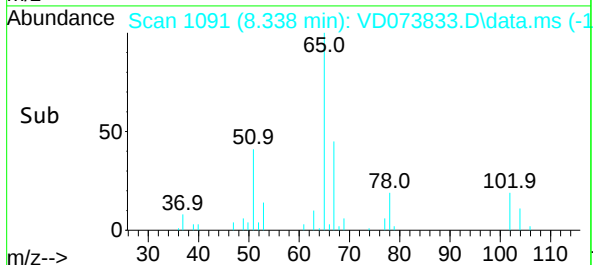
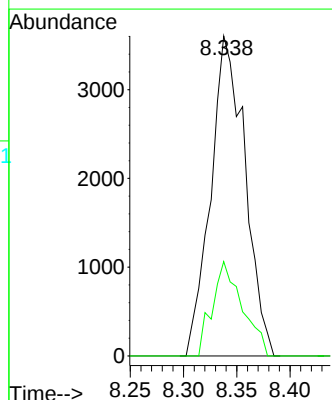
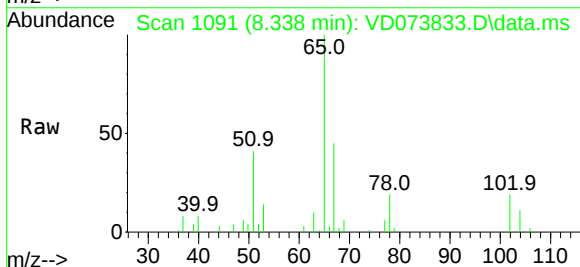
Acq: 12 Jul 2022 12:29

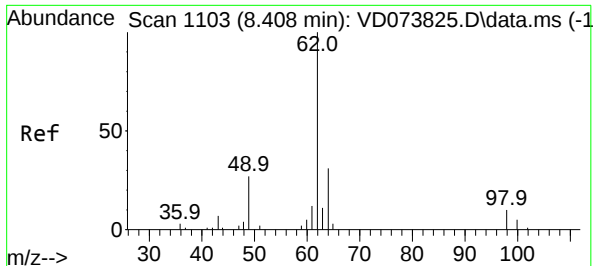
Tgt Ion: 78 Resp: 8081

Ion Ratio Lower Upper

78 100

77 29.5 18.8 28.2#





#42

1,2-Dichloroethane

Concen: 1.170 ug/l

RT: 8.408 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

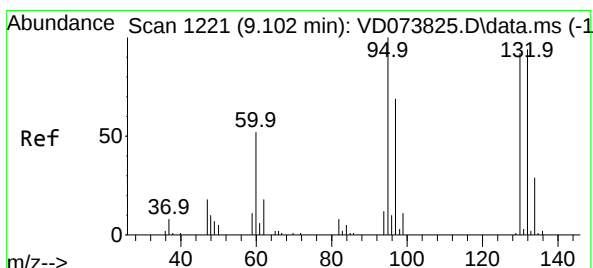
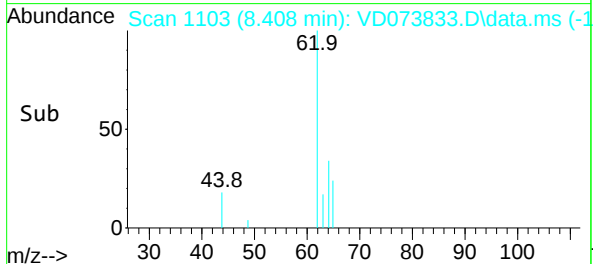
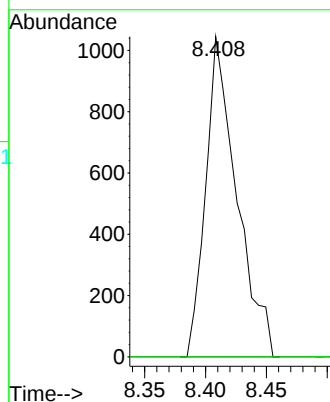
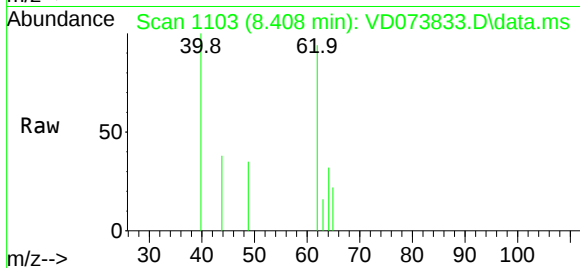
OR-03-070822

Tgt Ion: 62 Resp: 1854

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.2



#44

Trichloroethene

Concen: 2.128 ug/l

RT: 9.108 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VD073833.D

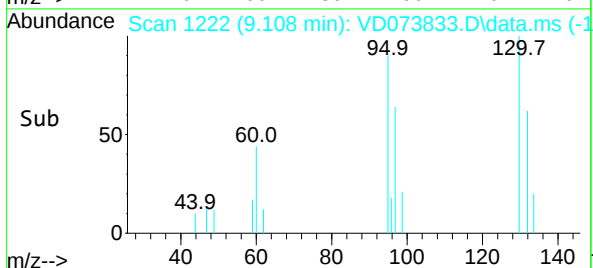
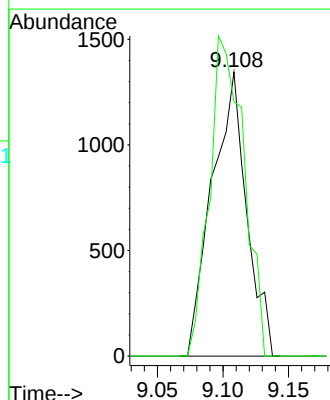
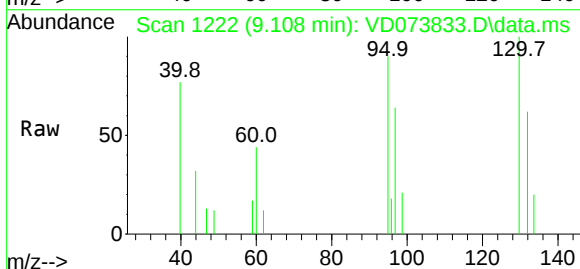
Acq: 12 Jul 2022 12:29

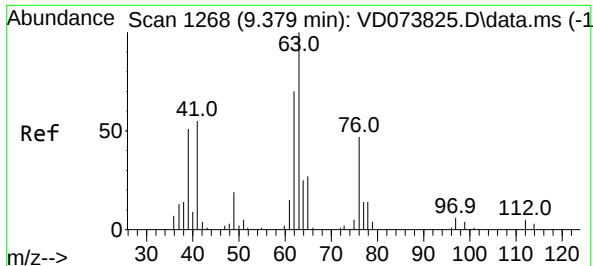
Tgt Ion:130 Resp: 2471

Ion Ratio Lower Upper

130 100

95 89.5 0.0 217.0





#45

1,2-Dichloropropane

Concen: 1.446 ug/l

RT: 9.367 min Scan# 1316

Delta R.T. -0.012 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

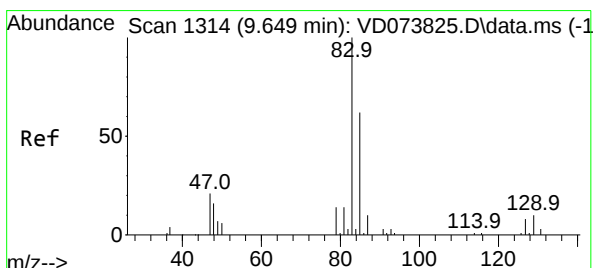
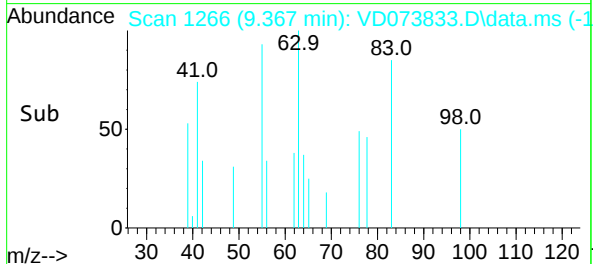
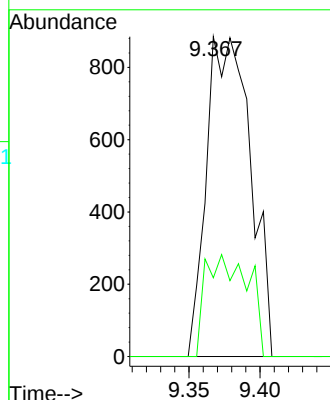
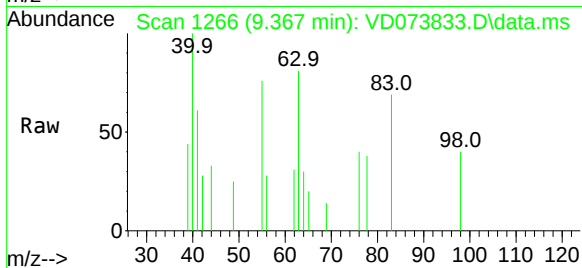
OR-03-070822

Tgt Ion: 63 Resp: 1904

Ion Ratio Lower Upper

63 100

65 24.6 21.7 32.5



#47

Bromodichloromethane

Concen: 1.238 ug/l

RT: 9.661 min Scan# 1316

Delta R.T. 0.012 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

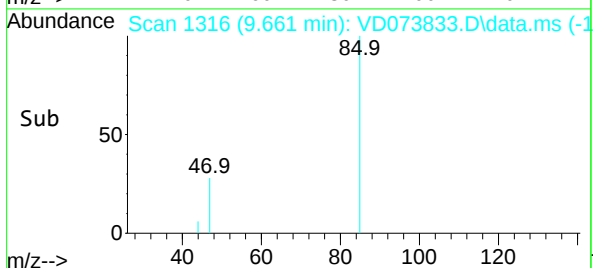
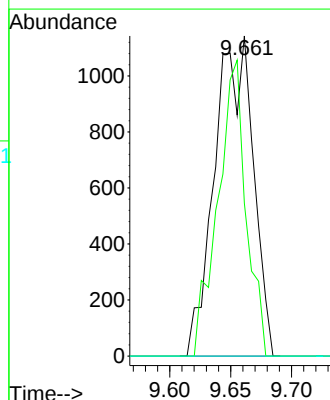
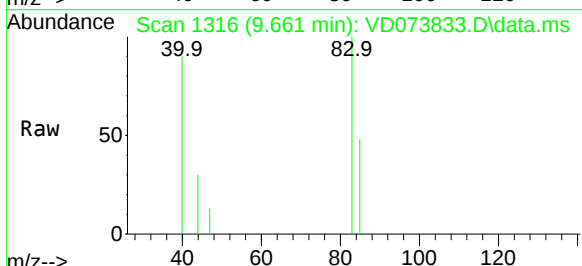
Tgt Ion: 83 Resp: 2509

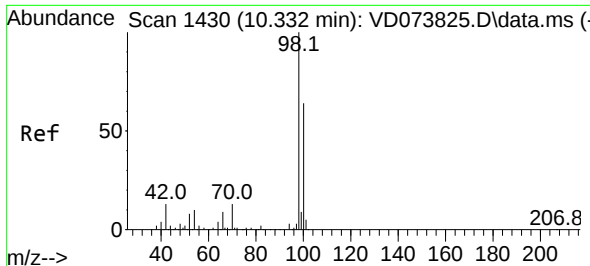
Ion Ratio Lower Upper

83 100

85 47.8 50.0 75.0#

127 0.0 6.2 9.2#

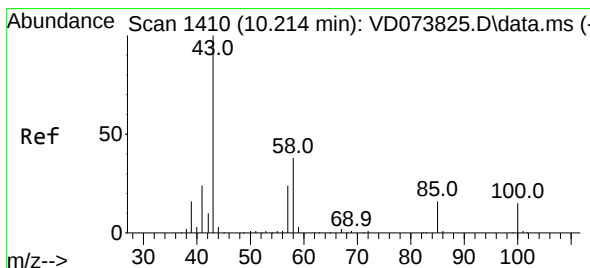
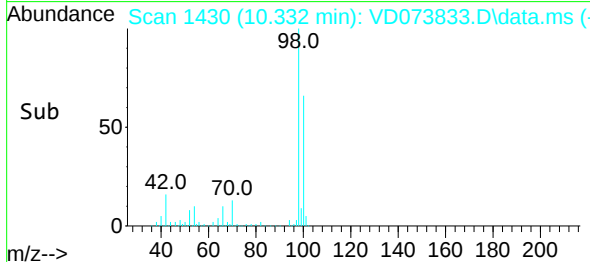
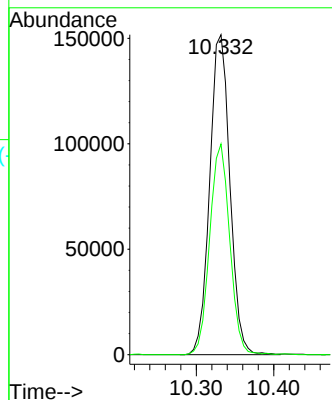
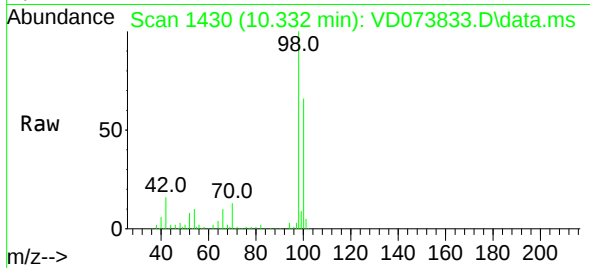




#50
Toluene-d8
Concen: 53.433 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

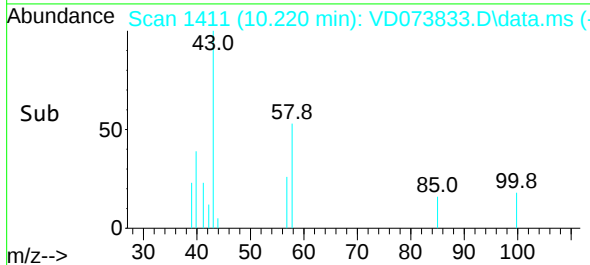
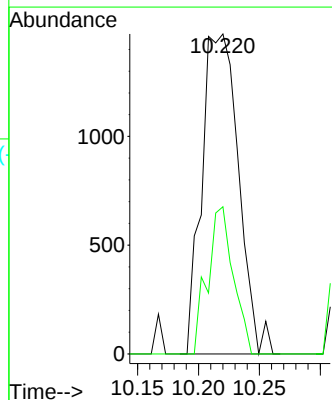
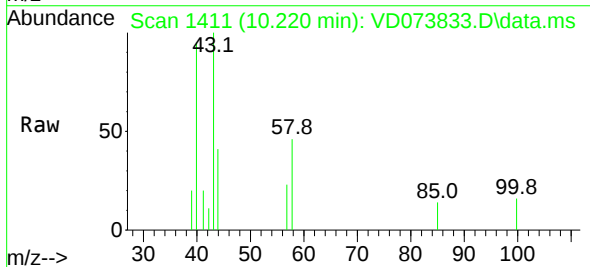
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

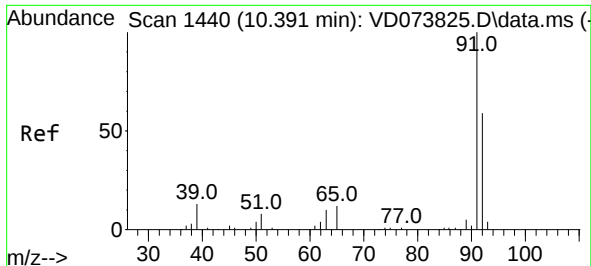
Tgt Ion: 98 Resp: 275211
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 3.215 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 43 Resp: 3083
Ion Ratio Lower Upper
43 100
58 32.2 29.3 43.9

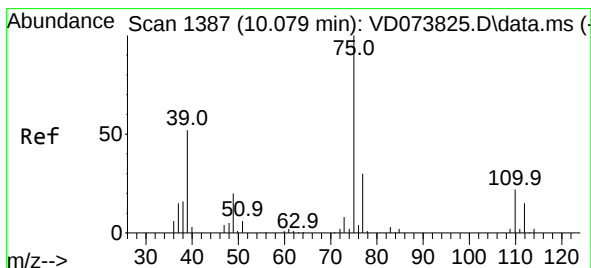
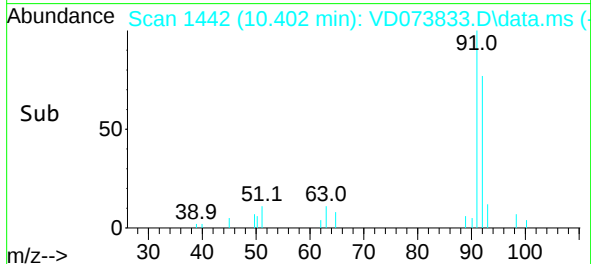
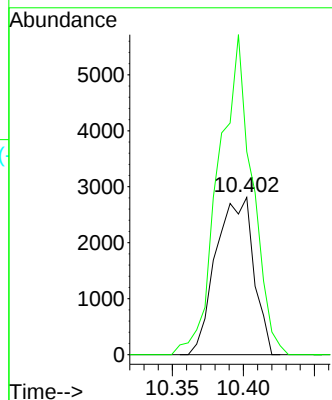
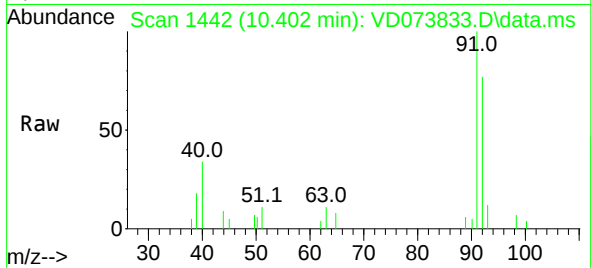




#52
Toluene
Concen: 1.733 ug/l
RT: 10.402 min Scan# 1440
Delta R.T. 0.012 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

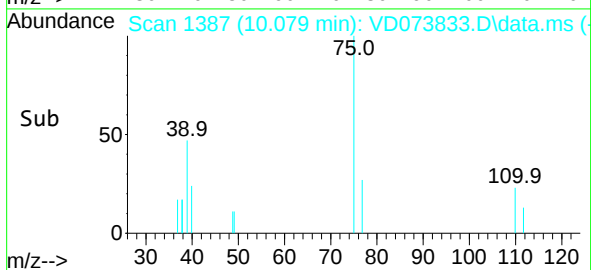
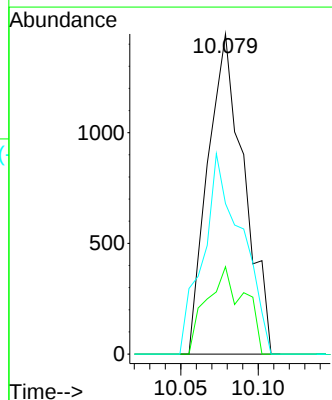
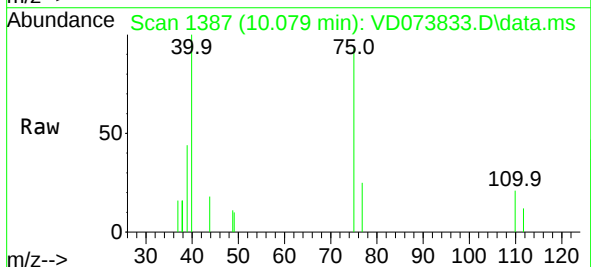
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

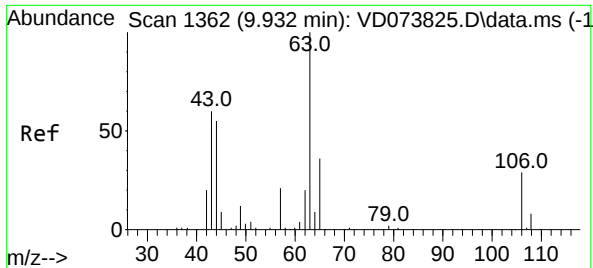
Tgt Ion: 92 Resp: 5177
Ion Ratio Lower Upper
92 100
91 182.1 138.4 207.6



#54
cis-1,3-Dichloropropene
Concen: 1.137 ug/l
RT: 10.079 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 75 Resp: 2340
Ion Ratio Lower Upper
75 100
77 27.2 24.2 36.4
39 47.0 41.4 62.2

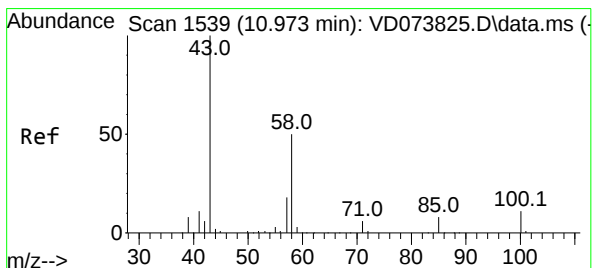
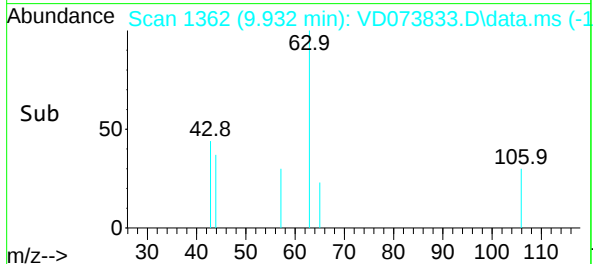
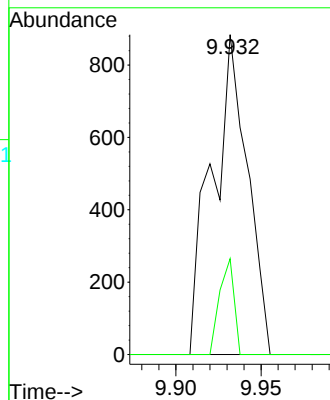
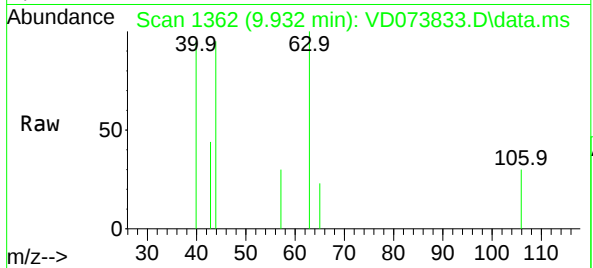




#58
2-Chloroethyl Vinyl ether
Concen: 2.469 ug/l
RT: 9.932 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

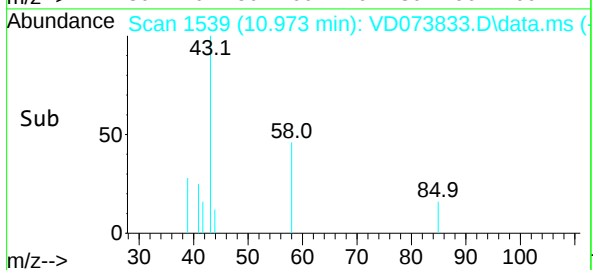
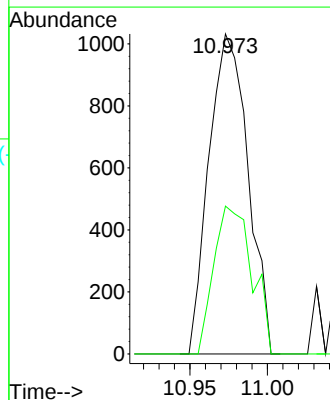
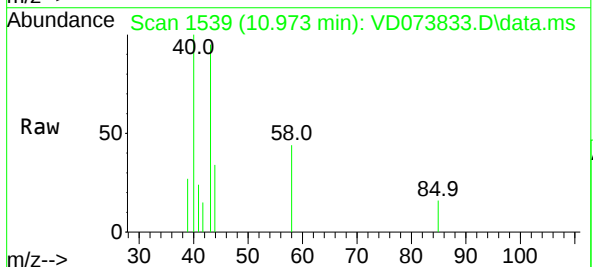
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

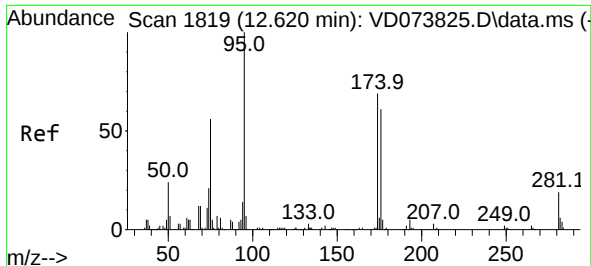
Tgt Ion: 63 Resp: 1283
Ion Ratio Lower Upper
63 100
106 12.2 21.3 31.9#



#59
2-Hexanone
Concen: 2.773 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 43 Resp: 1810
Ion Ratio Lower Upper
43 100
58 45.2 25.3 75.9

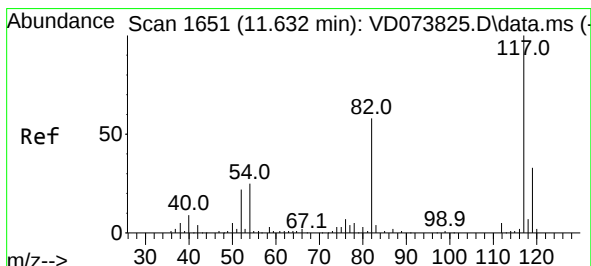
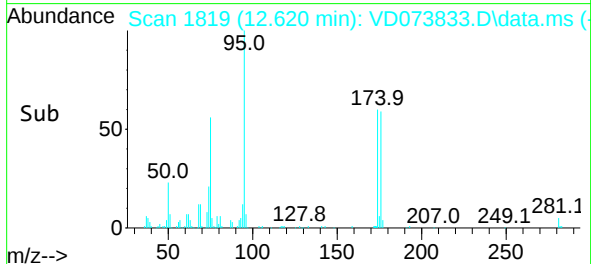
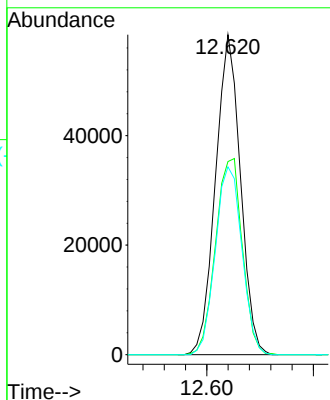
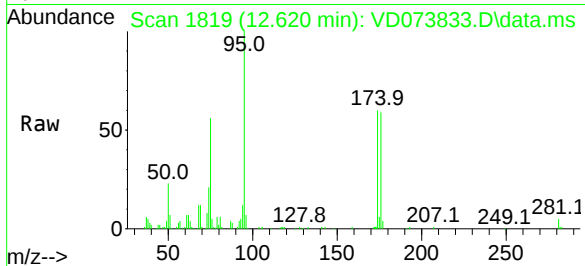




#62
4-Bromofluorobenzene
Concen: 43.468 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

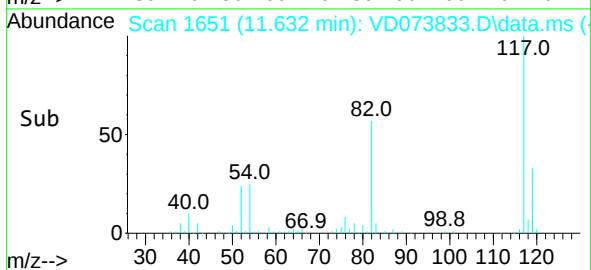
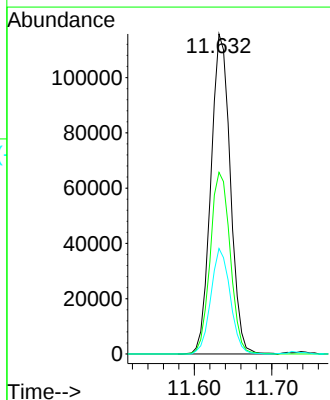
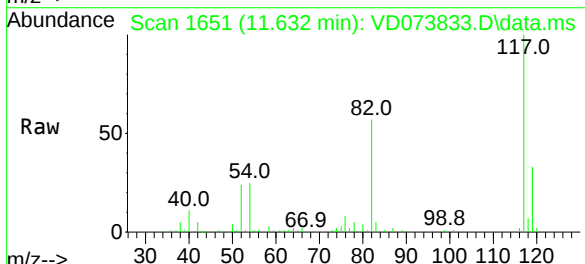
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

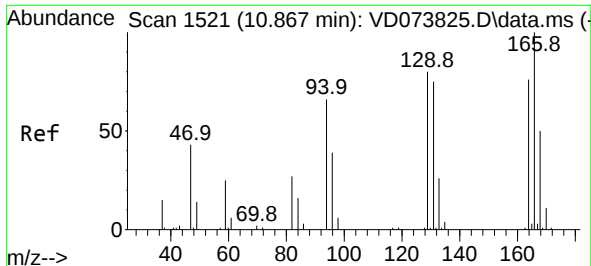
Tgt Ion:	95	Resp:	94863
Ion	Ratio	Lower	Upper
95	100		
174	65.8	0.0	131.8
176	62.6	0.0	124.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion:	117	Resp:	201490
Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.6	69.8
119	33.0	26.1	39.1

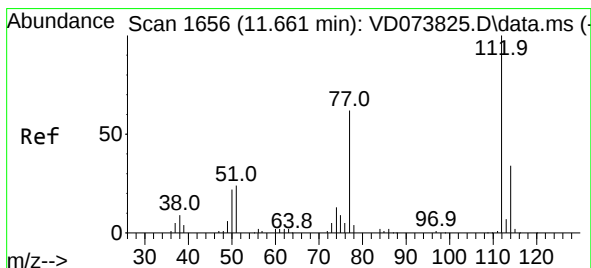
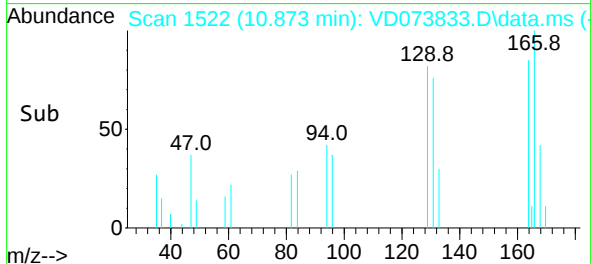
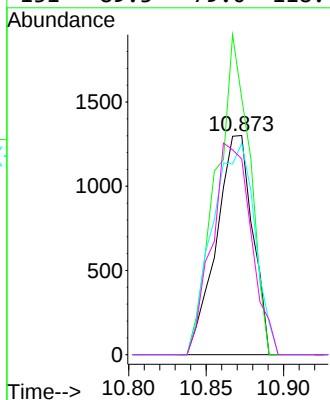
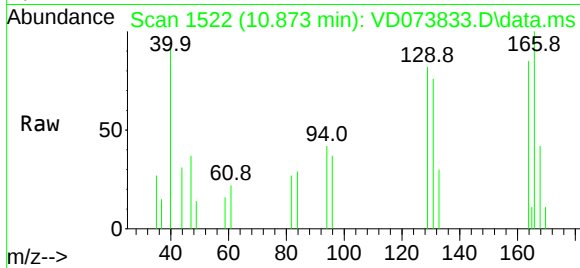




#64
Tetrachloroethene
Concen: 2.433 ug/l
RT: 10.873 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

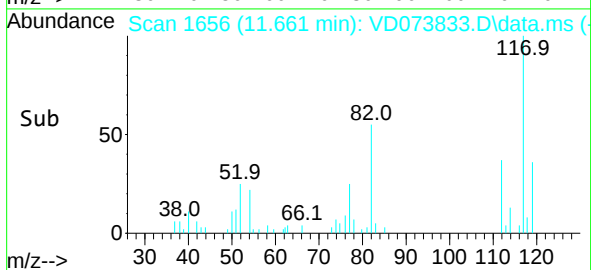
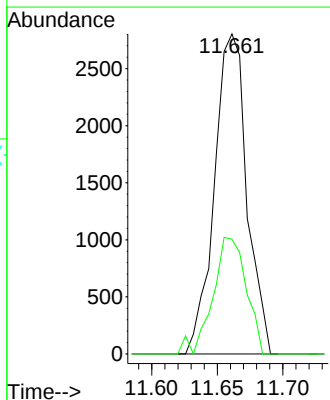
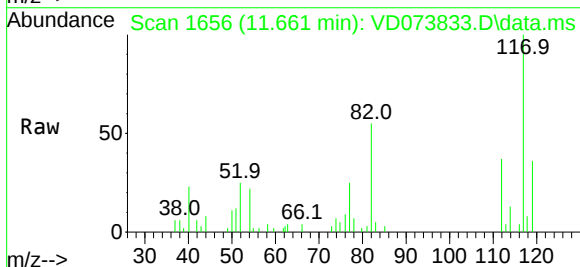
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

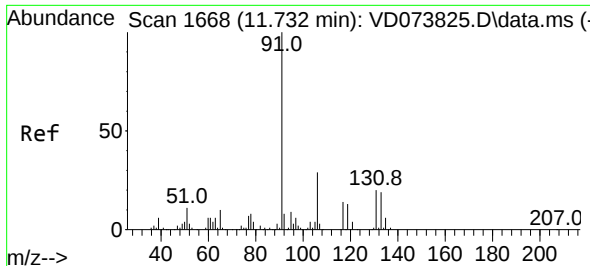
Tgt Ion:164 Resp: 2111
Ion Ratio Lower Upper
164 100
166 117.1 105.0 157.6
129 96.4 83.8 125.8
131 89.3 79.0 118.4



#65
Chlorobenzene
Concen: 1.450 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion:112 Resp: 4829
Ion Ratio Lower Upper
112 100
114 35.8 27.1 40.7

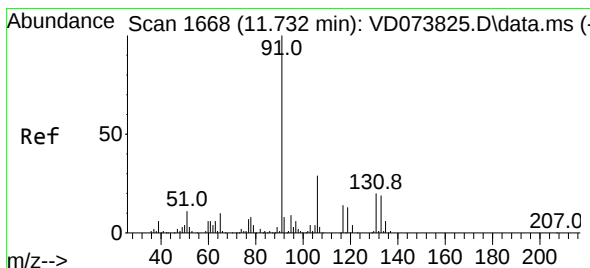
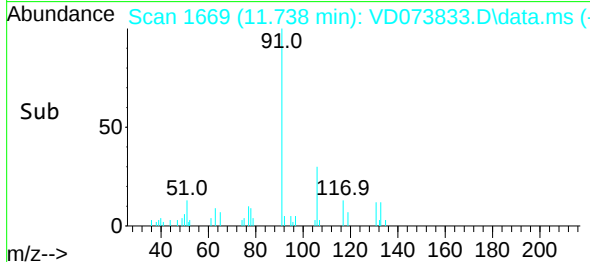
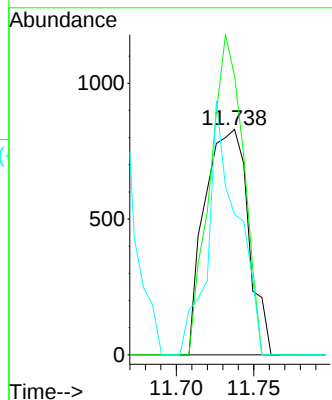
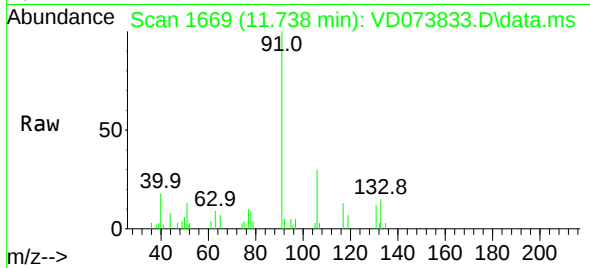




#66
1,1,1,2-Tetrachloroethane
Concen: 1.228 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

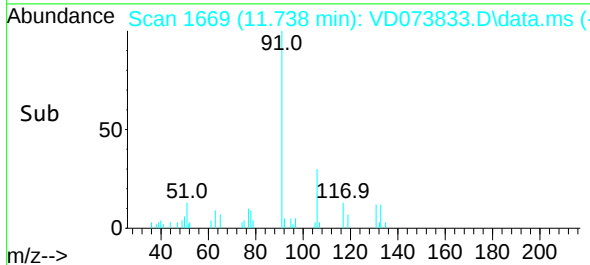
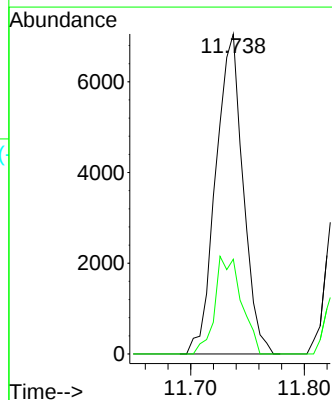
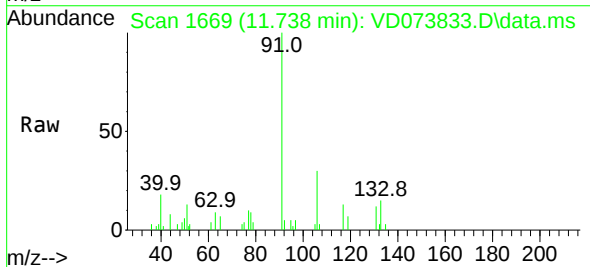
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

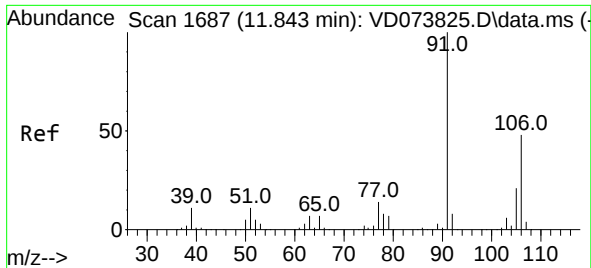
Tgt Ion:131 Resp: 1624
Ion Ratio Lower Upper
131 100
133 108.8 47.0 141.0
119 0.0 32.6 98.0#



#67
Ethyl Benzene
Concen: 1.894 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 91 Resp: 11769
Ion Ratio Lower Upper
91 100
106 29.6 23.2 34.8

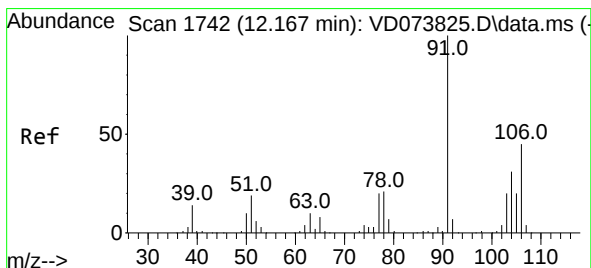
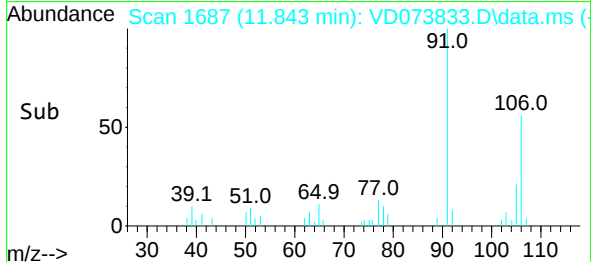
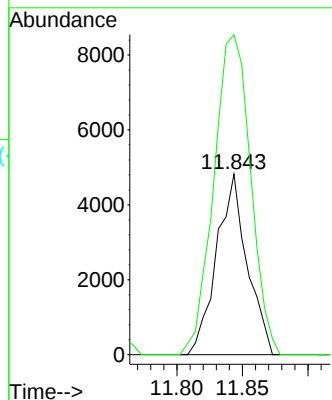
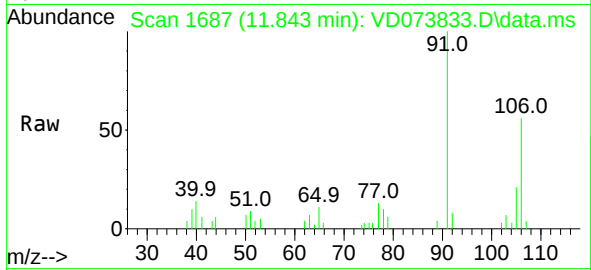




#68
m/p-Xylenes
Concen: 3.433 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

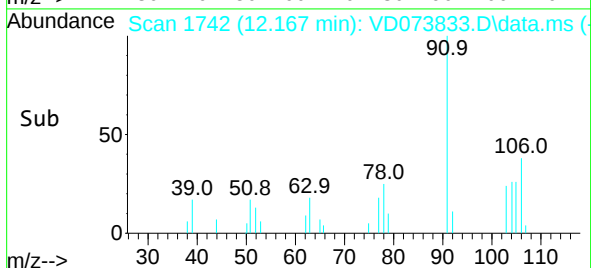
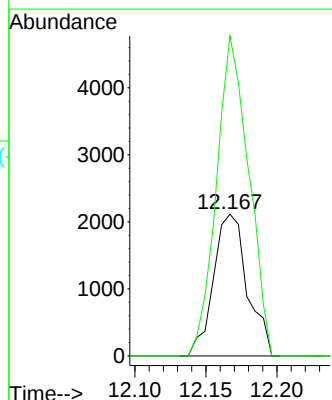
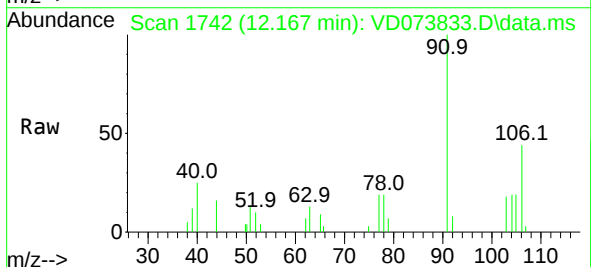
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

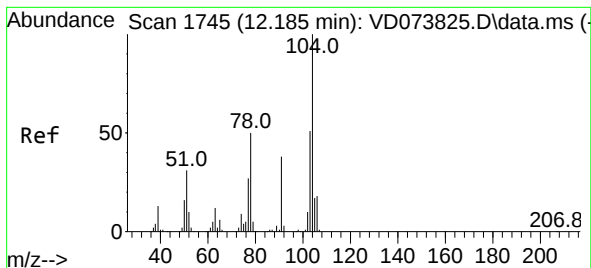
Tgt Ion:106 Resp: 7825
Ion Ratio Lower Upper
106 100
91 213.2 167.0 250.4



#69
o-Xylene
Concen: 1.554 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion:106 Resp: 3511
Ion Ratio Lower Upper
106 100
91 215.2 110.4 331.2





#70

Styrene

Concen: 1.192 ug/l

RT: 12.185 min Scan# 1745

Delta R.T. -0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-070822

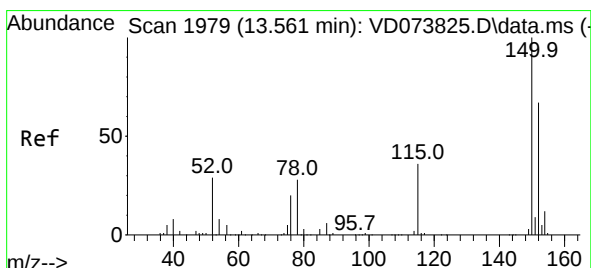
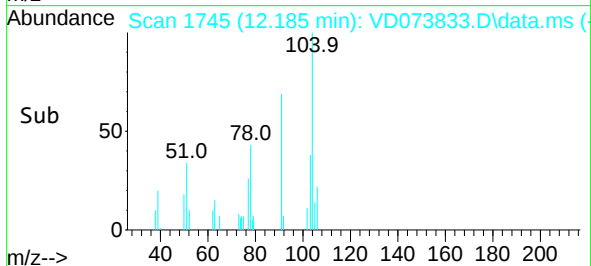
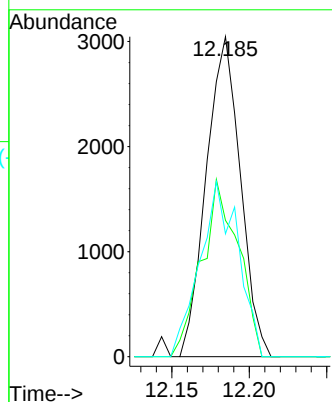
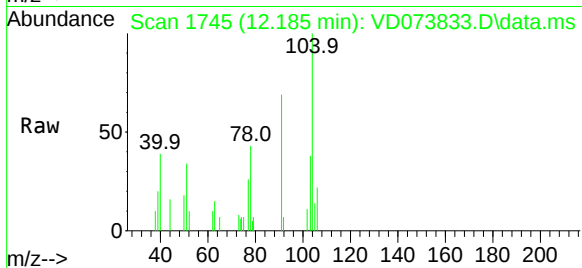
Tgt Ion:104 Resp: 4663

Ion Ratio Lower Upper

104 100

78 59.6 42.8 64.2

103 61.3 44.5 66.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

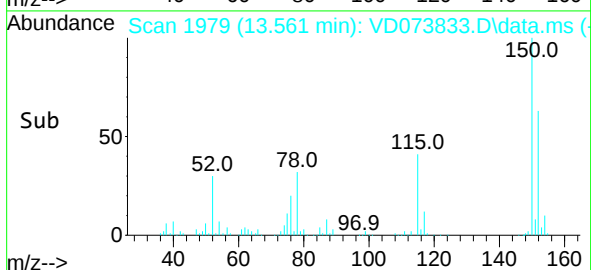
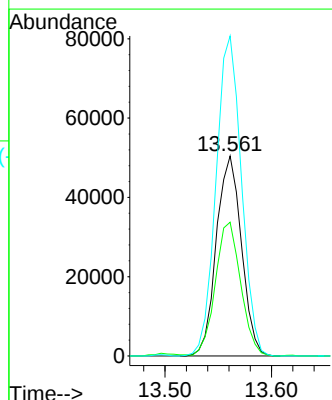
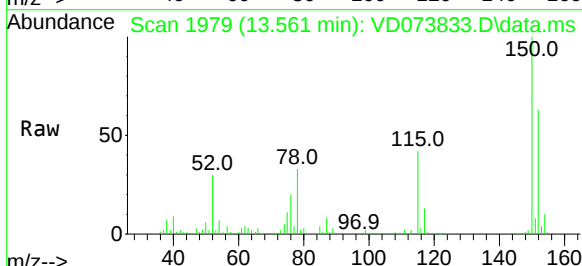
Tgt Ion:152 Resp: 82448

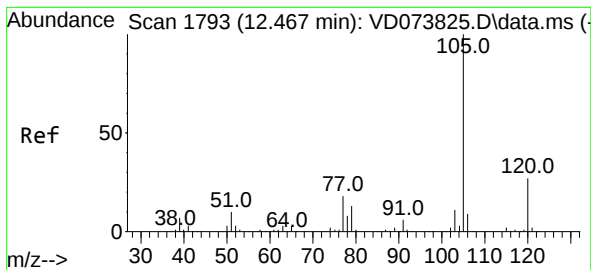
Ion Ratio Lower Upper

152 100

115 67.6 33.5 100.5

150 161.9 0.0 343.2





#73

Isopropylbenzene

Concen: 2.106 ug/l

RT: 12.467 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

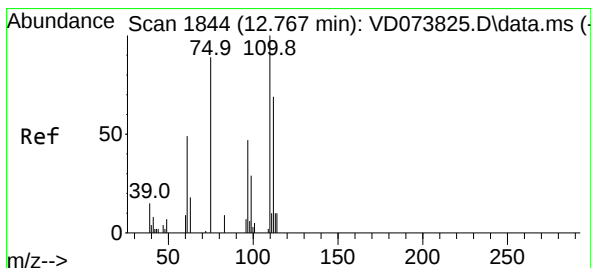
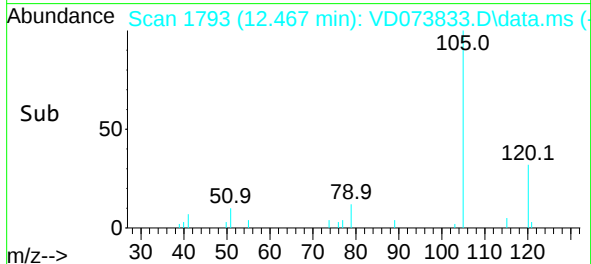
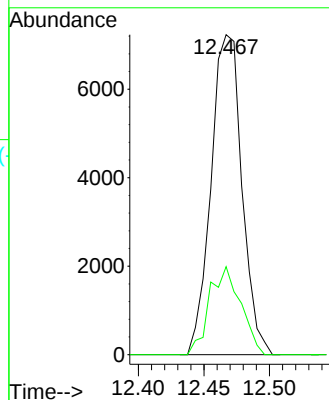
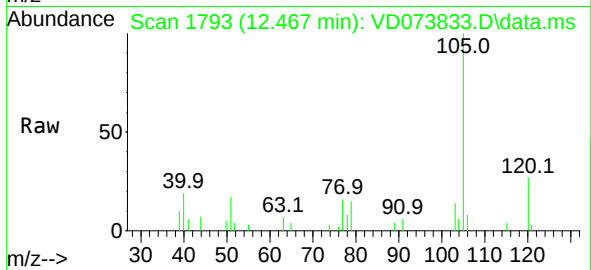
OR-03-070822

Tgt Ion:105 Resp: 11869

Ion Ratio Lower Upper

105 100

120 27.7 13.2 39.5



#76

1,2,3-Trichloropropane

Concen: 60.977 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073833.D

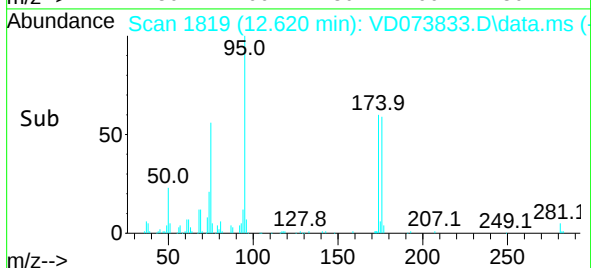
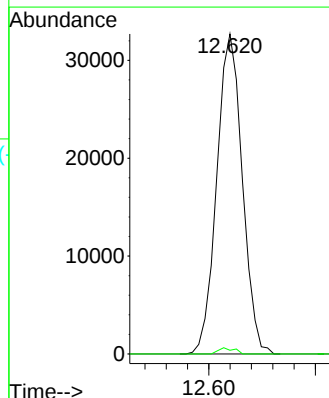
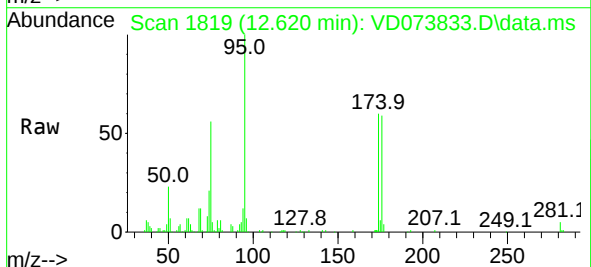
Acq: 12 Jul 2022 12:29

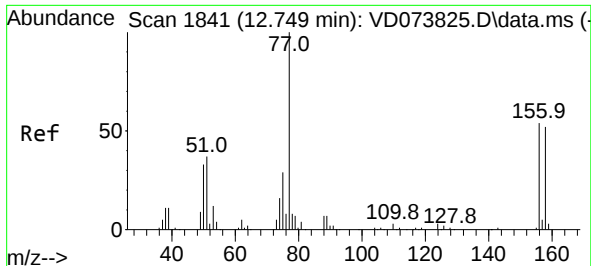
Tgt Ion: 75 Resp: 54388

Ion Ratio Lower Upper

75 100

77 1.2 138.0 414.0#

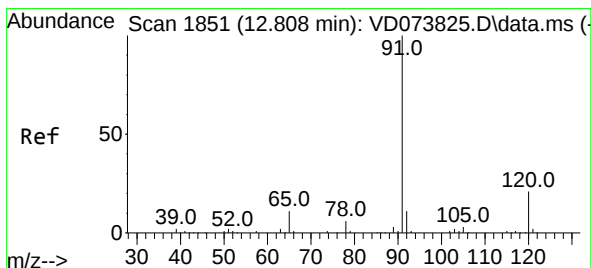
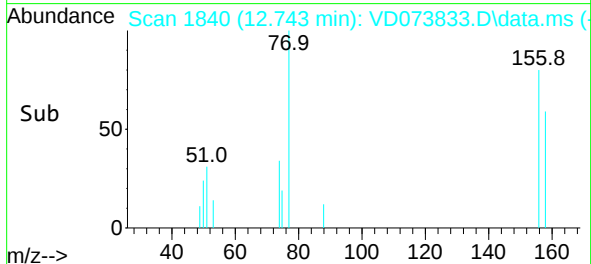
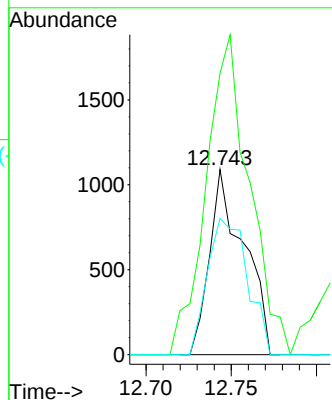
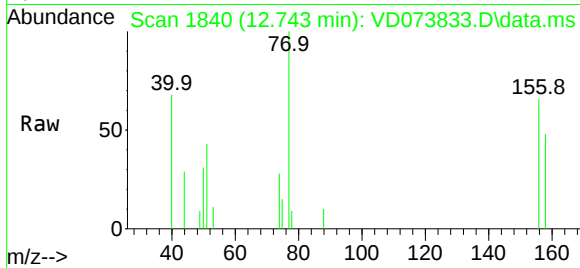




#77
Bromobenzene
Concen: 1.293 ug/l
RT: 12.743 min Scan# 1840
Delta R.T. -0.006 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

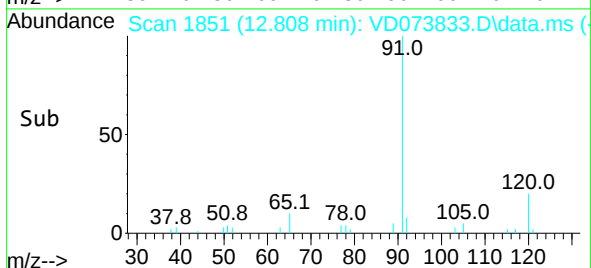
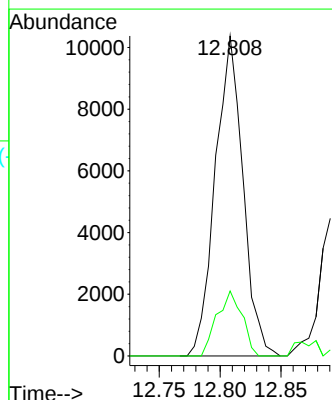
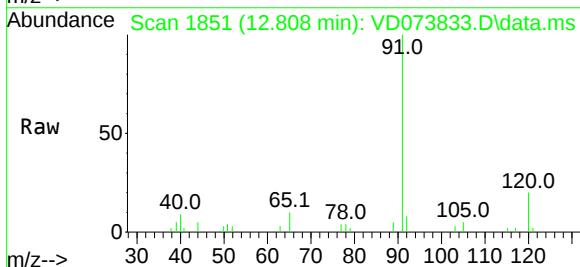
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

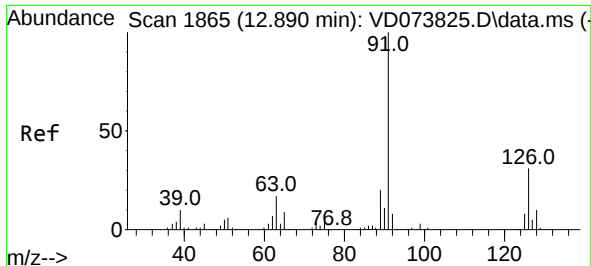
Tgt Ion:156 Resp: 1527
Ion Ratio Lower Upper
156 100
77 217.1 110.1 330.3
158 85.6 48.3 144.9



#78
n-propylbenzene
Concen: 2.303 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 91 Resp: 16391
Ion Ratio Lower Upper
91 100
120 18.4 10.5 31.6

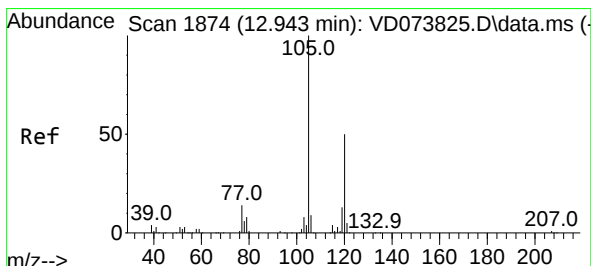
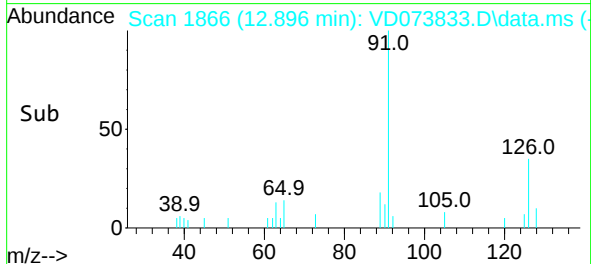
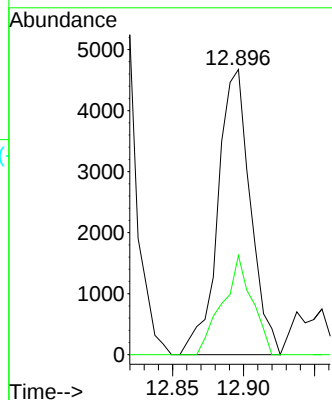
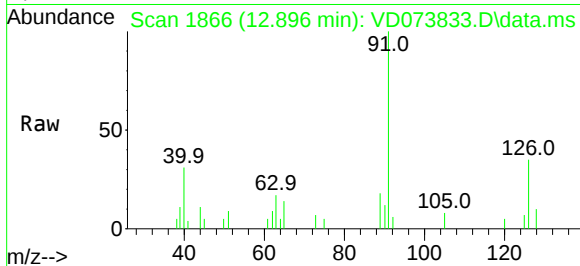




#79
2-Chlorotoluene
Concen: 1.819 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

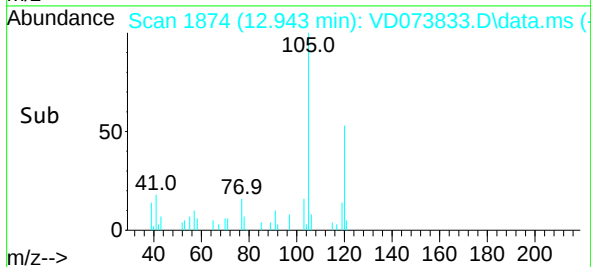
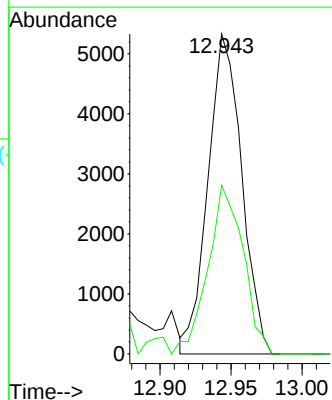
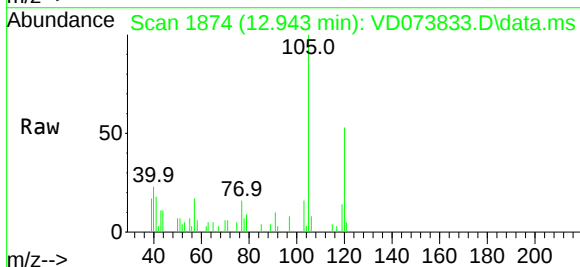
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

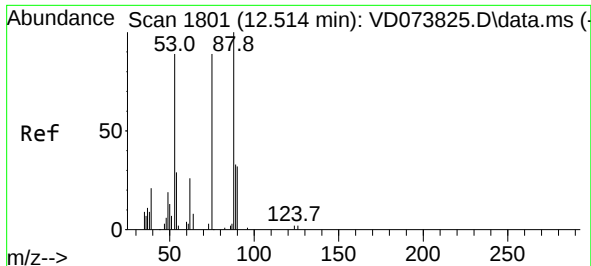
Tgt Ion: 91 Resp: 7447
Ion Ratio Lower Upper
91 100
126 31.5 15.9 47.7



#80
1,3,5-Trimethylbenzene
Concen: 1.872 ug/l
RT: 12.943 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 105 Resp: 8793
Ion Ratio Lower Upper
105 100
120 55.2 24.1 72.4

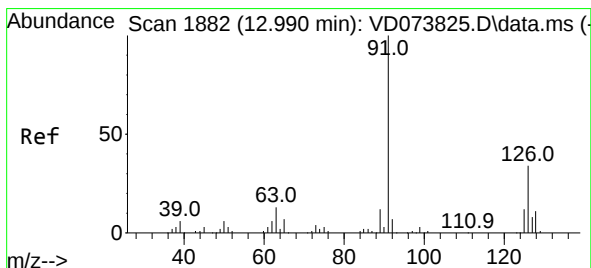
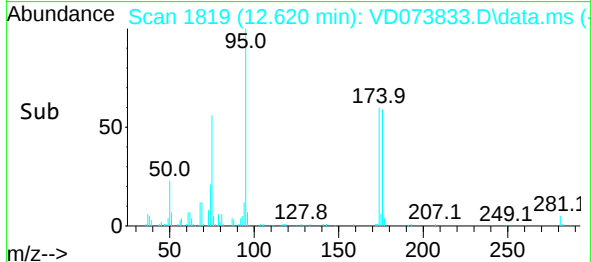
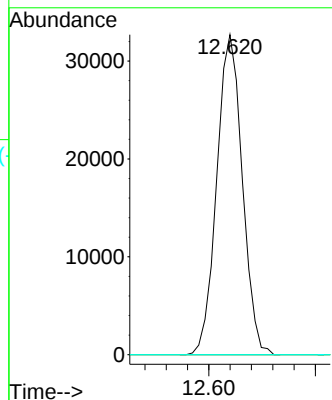
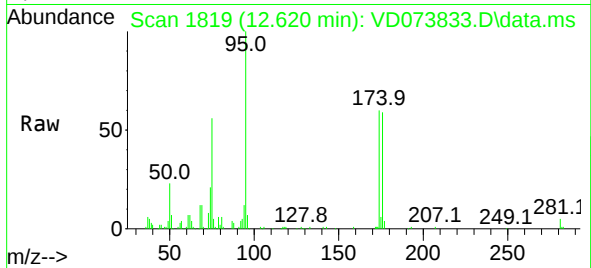




#81
trans-1,4-Dichloro-2-butene
Concen: 160.253 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

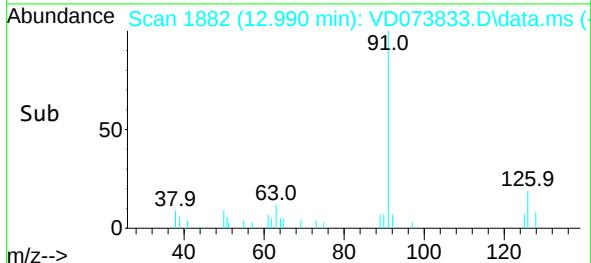
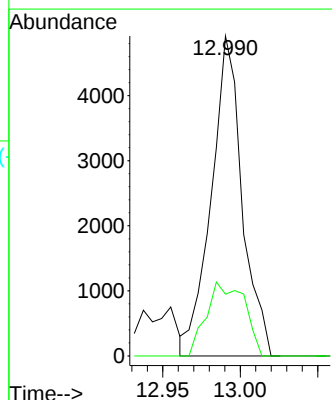
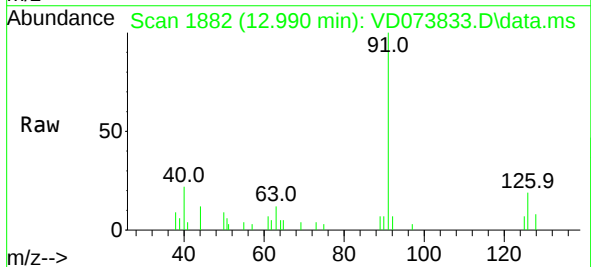
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

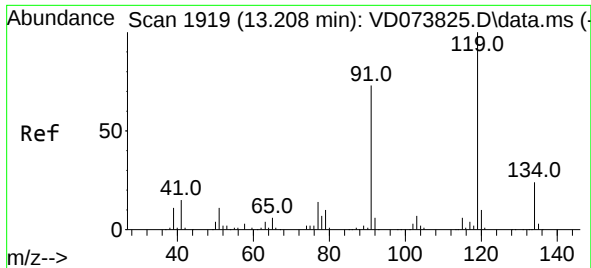
Tgt Ion: 75 Resp: 54388
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.0 34.8 52.2#



#82
4-Chlorotoluene
Concen: 1.586 ug/l
RT: 12.990 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion: 91 Resp: 6789
Ion Ratio Lower Upper
91 100
126 28.4 16.2 48.5

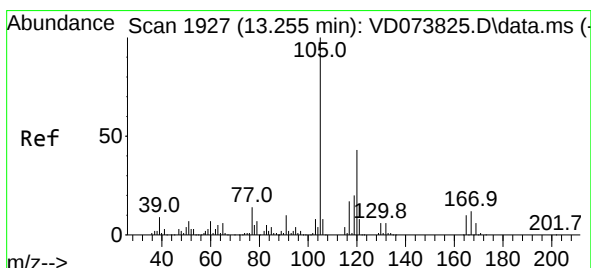
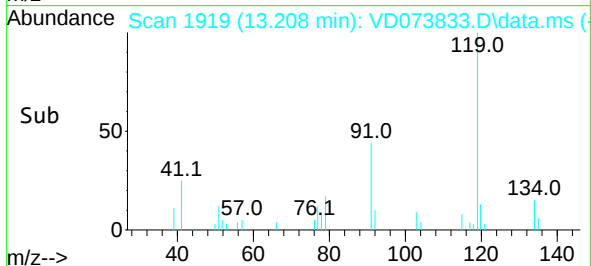
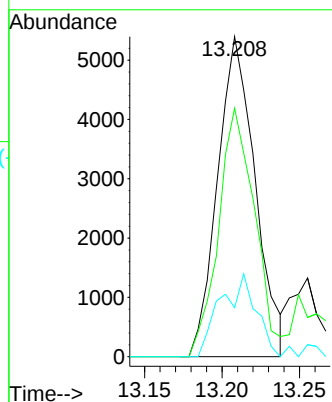
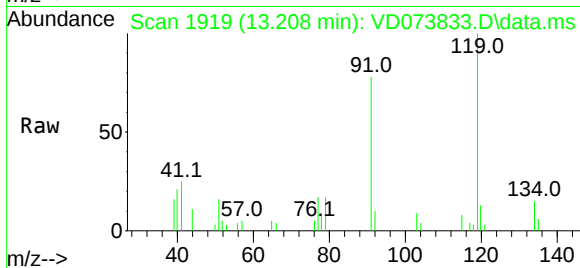




#83
tert-Butylbenzene
Concen: 2.199 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

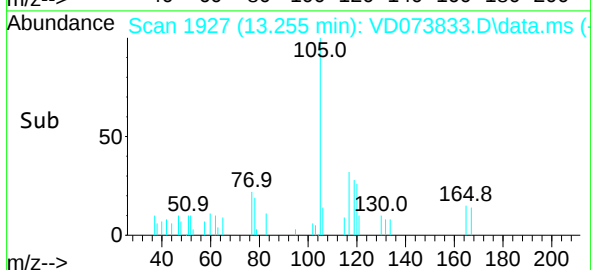
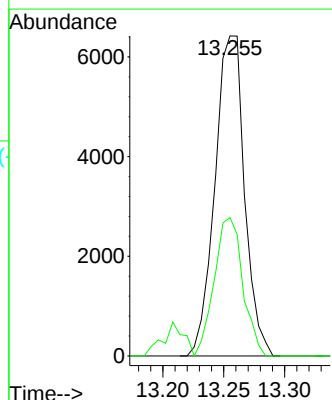
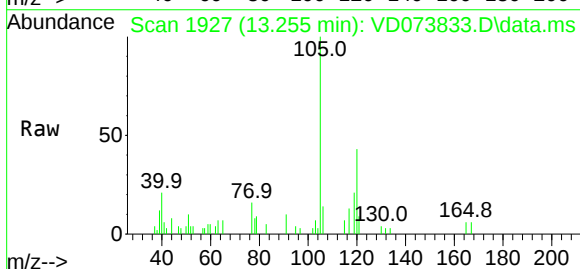
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

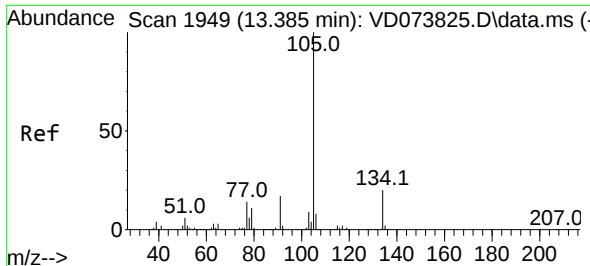
Tgt Ion:119	Resp:	9104
Ion	Ratio	Lower Upper
119	100	
91	74.7	36.0 108.0
134	24.4	13.1 39.1



#84
1,2,4-Trimethylbenzene
Concen: 2.311 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion:105	Resp:	10890
Ion	Ratio	Lower Upper
105	100	
120	41.5	21.9 65.5

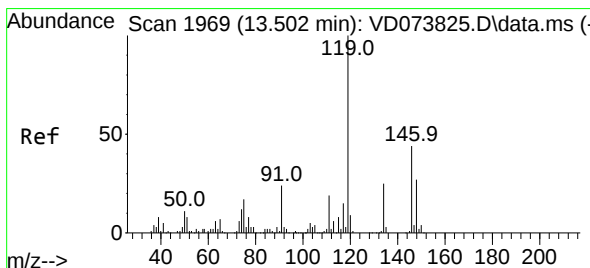
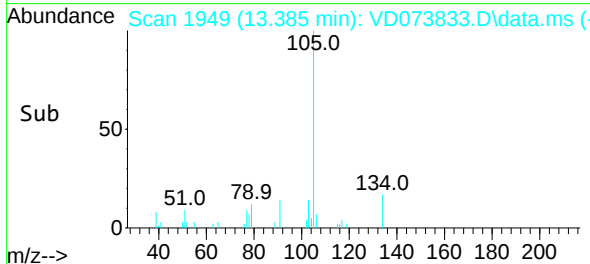
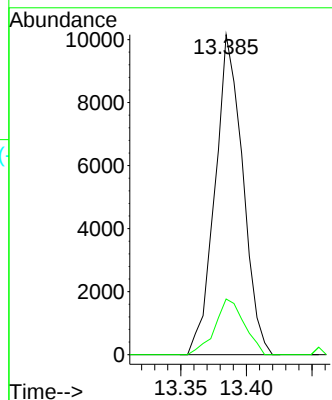
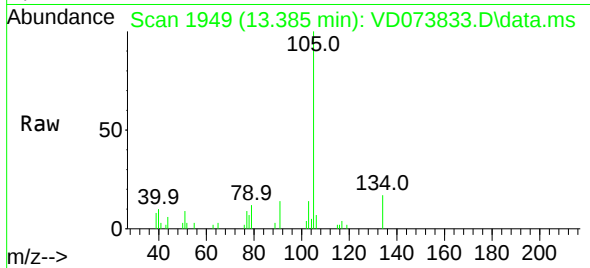




#85
 sec-Butylbenzene
 Concen: 2.314 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VD073833.D
 Acq: 12 Jul 2022 12:29

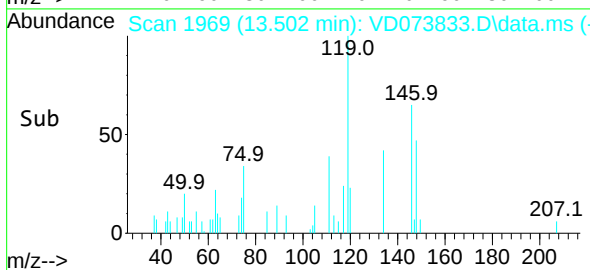
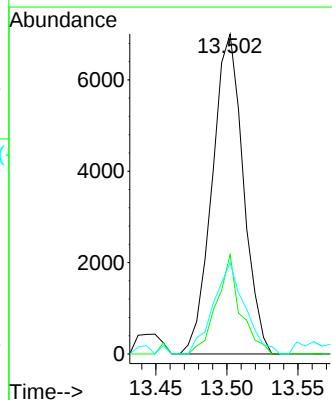
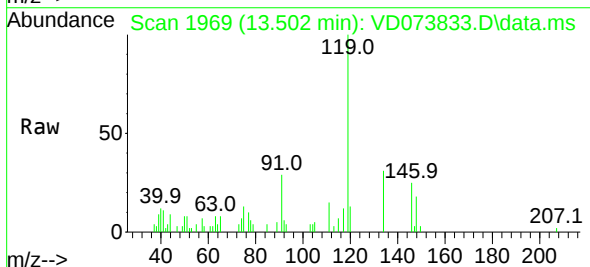
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-070822

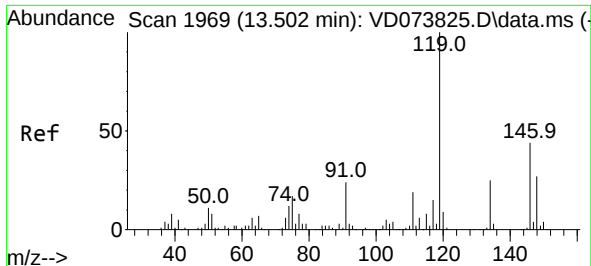
Tgt Ion:105 Resp: 14893
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 2.056 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.000 min
 Lab File: VD073833.D
 Acq: 12 Jul 2022 12:29

Tgt Ion:119 Resp: 10653
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.6 37.8
 91 28.8 13.0 38.9

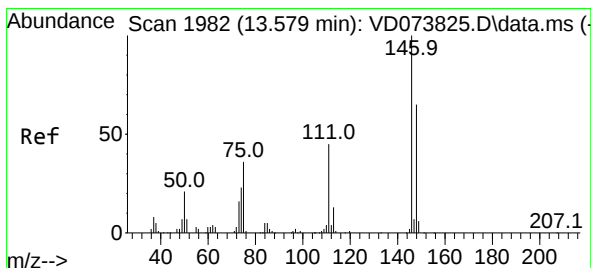
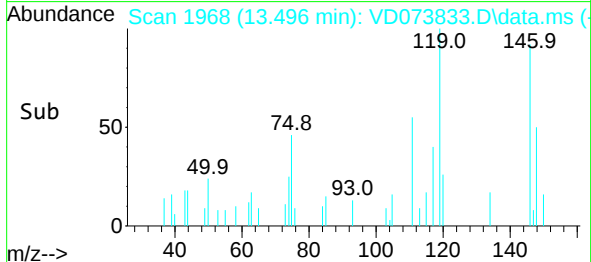
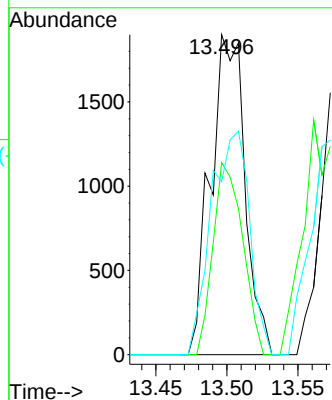
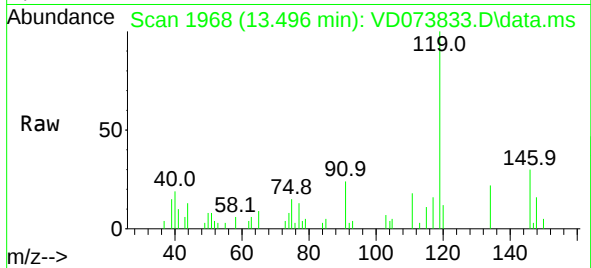




#87
1,3-Dichlorobenzene
Concen: 1.260 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

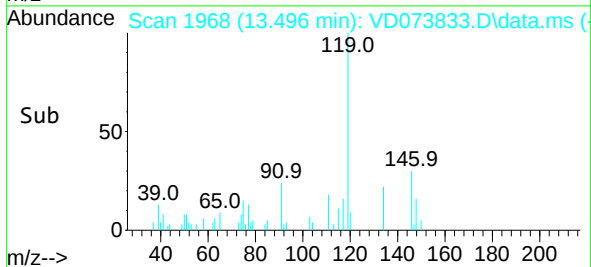
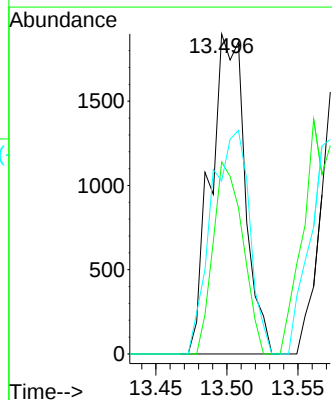
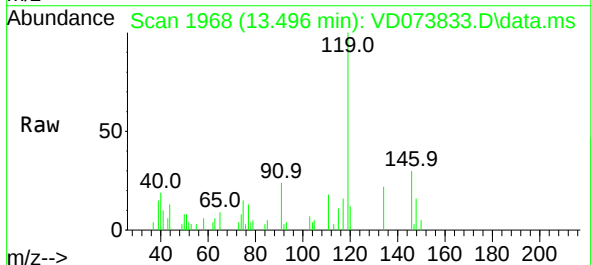
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822

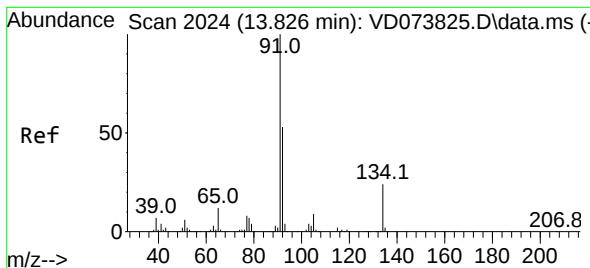
Tgt Ion:146 Resp: 3197
Ion Ratio Lower Upper
146 100
111 51.7 21.8 65.4
148 77.7 31.6 94.8



#88
1,4-Dichlorobenzene
Concen: 1.286 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.082 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

Tgt Ion:146 Resp: 3197
Ion Ratio Lower Upper
146 100
111 51.7 21.9 65.7
148 77.7 32.4 97.0





#89

n-Butylbenzene

Concen: 2.378 ug/l

RT: 13.826 min Scan# 2024

Delta R.T. -0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-070822

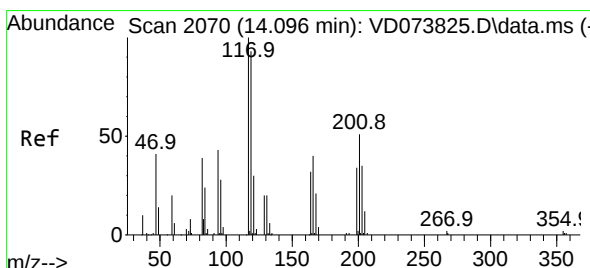
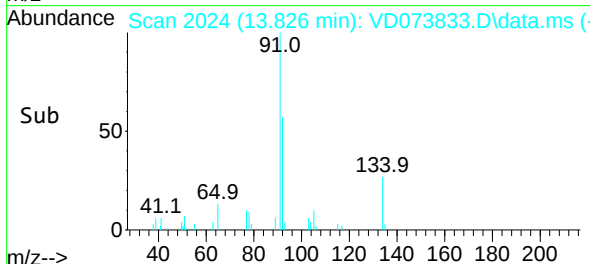
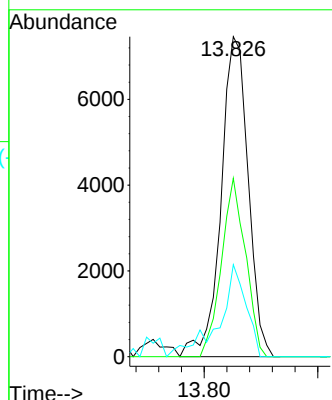
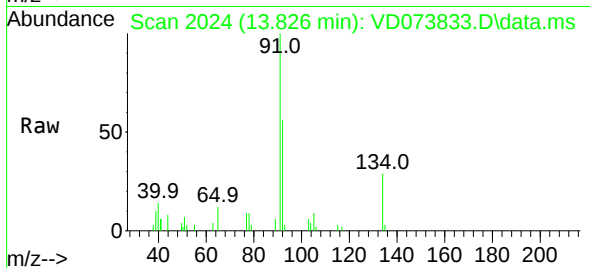
Tgt Ion: 91 Resp: 12365

Ion Ratio Lower Upper

91 100

92 49.5 26.7 80.1

134 28.2 11.6 34.7



#90

Hexachloroethane

Concen: 2.399 ug/l

RT: 14.096 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VD073833.D

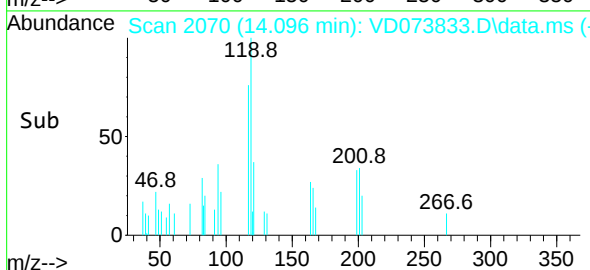
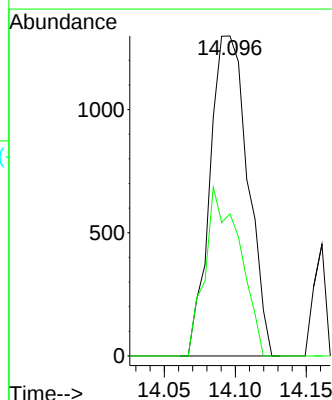
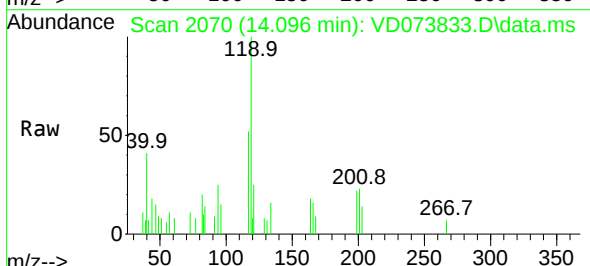
Acq: 12 Jul 2022 12:29

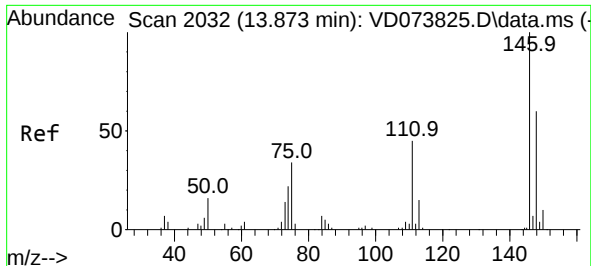
Tgt Ion: 117 Resp: 2407

Ion Ratio Lower Upper

117 100

201 48.4 26.7 80.0





#91

1,2-Dichlorobenzene

Concen: 1.079 ug/l

RT: 13.873 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-070822

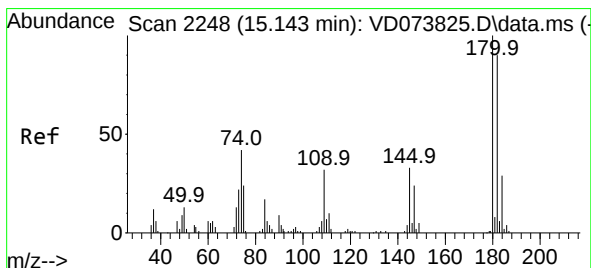
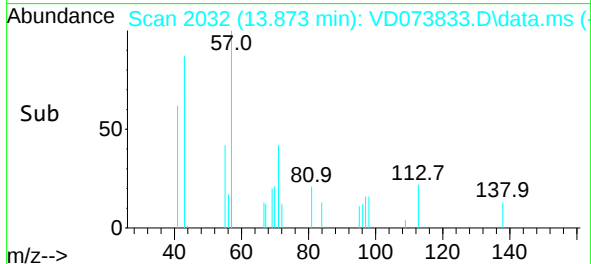
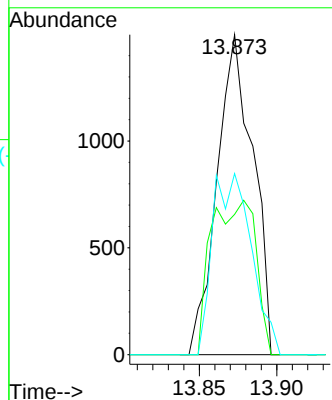
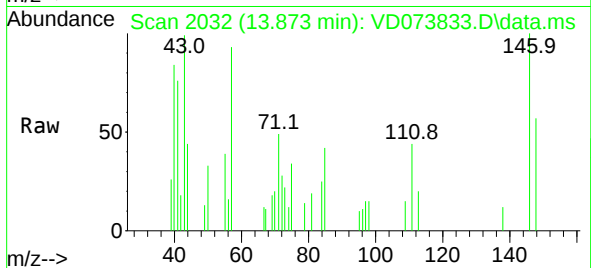
Tgt Ion:146 Resp: 2411

Ion Ratio Lower Upper

146 100

111 59.9 22.8 68.4

148 61.3 30.6 91.6



#93

1,2,4-Trichlorobenzene

Concen: 1.252 ug/l

RT: 15.149 min Scan# 2249

Delta R.T. 0.006 min

Lab File: VD073833.D

Acq: 12 Jul 2022 12:29

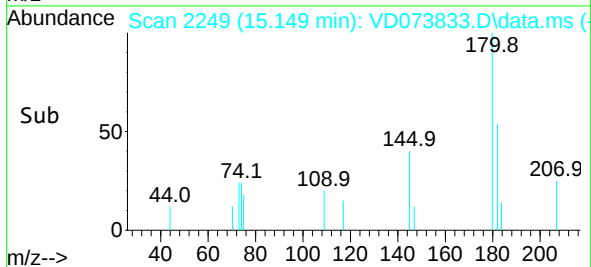
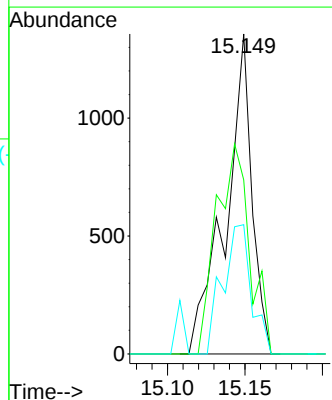
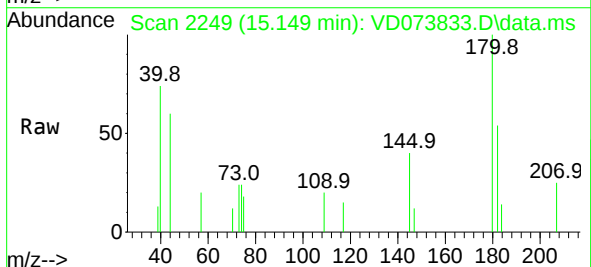
Tgt Ion:180 Resp: 1595

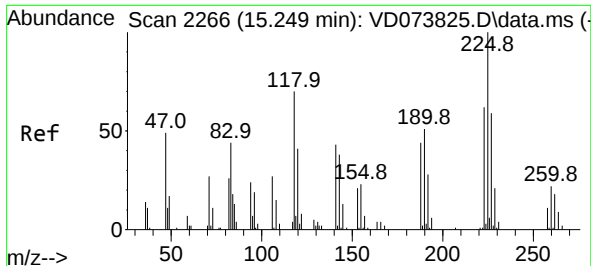
Ion Ratio Lower Upper

180 100

182 83.3 46.9 140.8

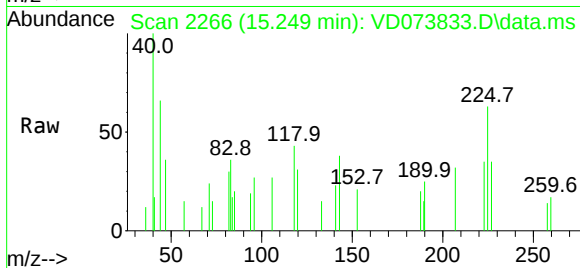
145 44.1 17.0 51.0



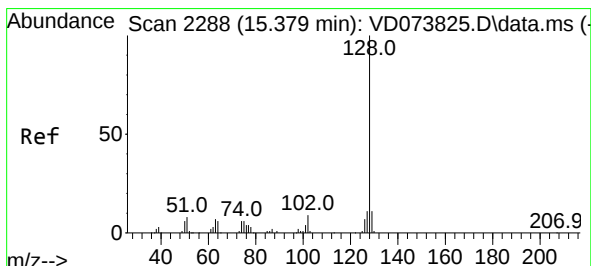
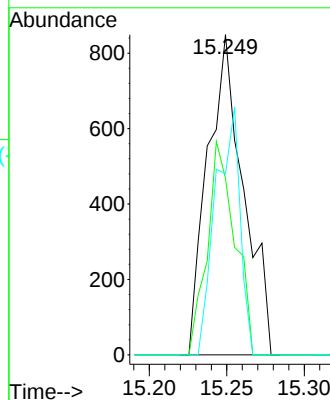
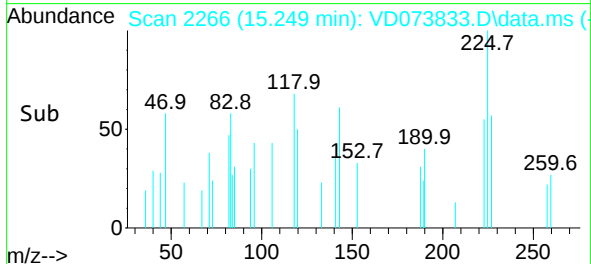


#94
Hexachlorobutadiene
Concen: 2.249 ug/l
RT: 15.249 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29

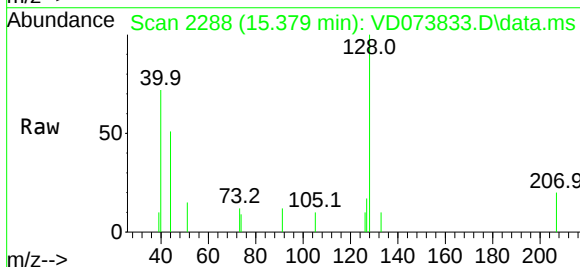
Instrument :
MSVOA_D
ClientSampleId :
OR-03-070822



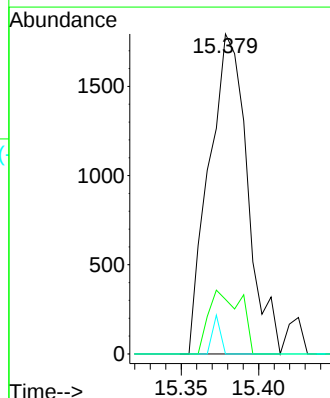
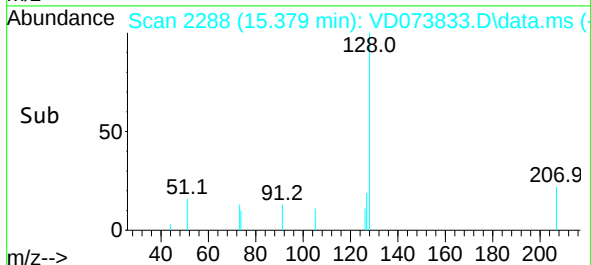
Tgt Ion	Ratio	Lower	Upper
225	100		
223	51.4	31.8	95.3
227	52.4	31.4	94.2

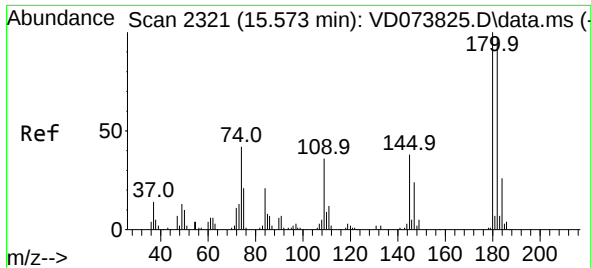


#95
Naphthalene
Concen: 1.110 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VD073833.D
Acq: 12 Jul 2022 12:29



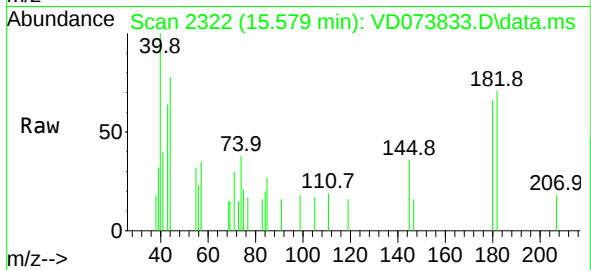
Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.7	10.3	15.5#
129	2.5	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.032 ug/l
 RT: 15.579 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD073833.D
 Acq: 12 Jul 2022 12:29

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-070822



Tgt Ion:	180	Resp:	1143
Ion	Ratio	Lower	Upper
180	100		
182	90.6	47.4	142.3
145	47.5	18.9	56.9

