

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072433.D
 Acq On : 25 Mar 2022 17:10
 Operator : VA/SY
 Sample : N2095-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-5.0-6.0

Quant Time: Mar 26 00:13:16 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

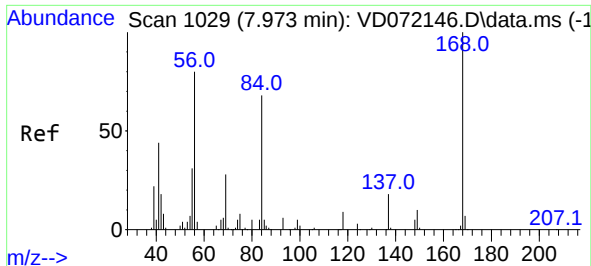
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	4787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	8423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	8947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	4841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	3463	64.913	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.820%			
35) Dibromofluoromethane	7.920	113	2726	45.990	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.980%			
50) Toluene-d8	10.332	98	9272	42.781	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 85.560%			
62) 4-Bromofluorobenzene	12.626	95	4457	52.925	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.860%			
Target Compounds					Qvalue	
3) Chloromethane	2.215	50	138	3.507	ug/l #	40
12) 1,1-Dichloroethene	4.073	96	57	1.296	ug/l #	1
16) Acetone	4.167	43	125	10.792	ug/l #	47
18) Methyl Acetate	4.703	43	140	4.932	ug/l #	55
20) Methylene Chloride	4.961	84	81	Below Cal	#	2
36) 1,1-Dichloropropene	7.985	75	397	4.774	ug/l #	43
38) Carbon Tetrachloride	7.961	117	468	4.951	ug/l #	13
39) Methylcyclohexane	9.338	83	95	1.015	ug/l #	17
40) Benzene	8.344	78	3143	13.249	ug/l #	88
48) Methyl methacrylate	9.455	41	73	2.162	ug/l #	19
52) Toluene	10.391	92	176	1.127	ug/l #	1
67) Ethyl Benzene	11.732	91	2322	6.554	ug/l #	68
73) Isopropylbenzene	12.467	105	1160	3.024	ug/l #	60
74) N-amyl acetate	12.238	43	113	1.371	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.790	83	76	1.108	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	2353	44.063	ug/l #	100
77) Bromobenzene	12.908	156	182	2.108	ug/l #	1
78) n-propylbenzene	12.808	91	562	1.206	ug/l #	54
80) 1,3,5-Trimethylbenzene	12.943	105	476	1.444	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.626	75	2353	109.325	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.261	105	1690	5.204	ug/l	95
95) Naphthalene	15.384	128	16972	94.258	ug/l	99

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

Quant Time: Mar 26 00:13:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

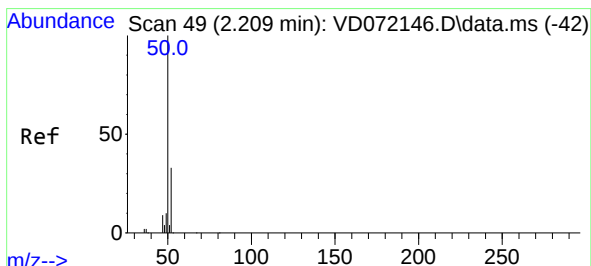
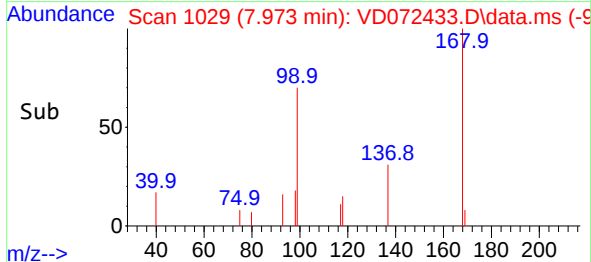
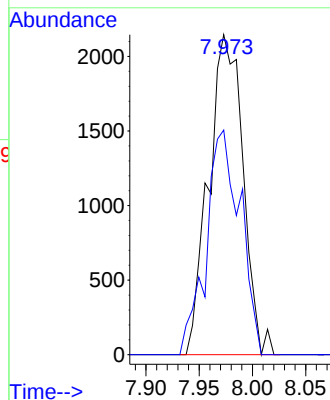
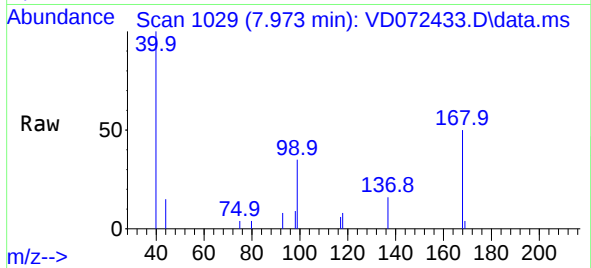




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

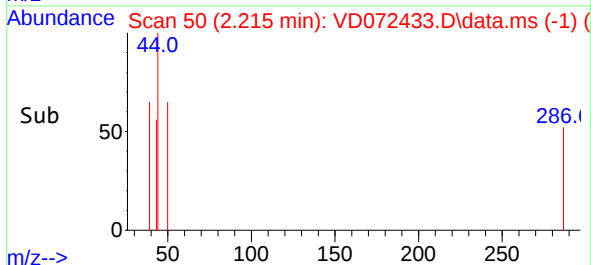
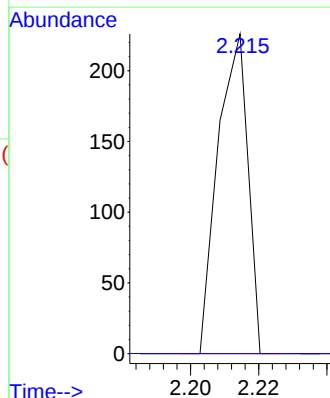
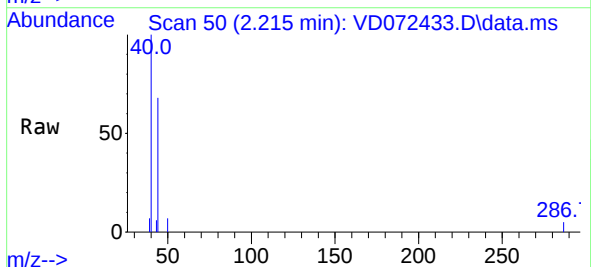
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

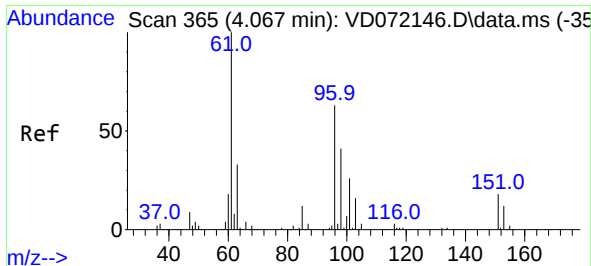
Tgt Ion:168 Resp: 4787
Ion Ratio Lower Upper
168 100
99 70.2 49.8 74.6



#3
Chloromethane
Concen: 3.507 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion: 50 Resp: 138
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#





#12

1,1-Dichloroethene

Concen: 1.296 ug/l

RT: 4.073 min Scan# 30

Delta R.T. 0.006 min

Lab File: VD072433.D

Acq: 25 Mar 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

SB-02-5.0-6.0

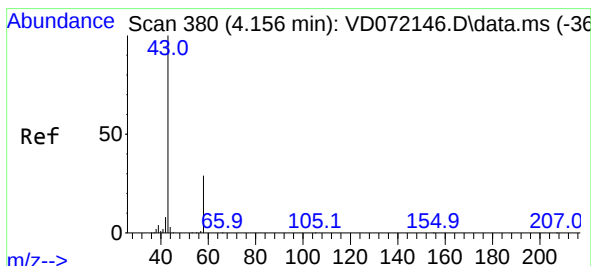
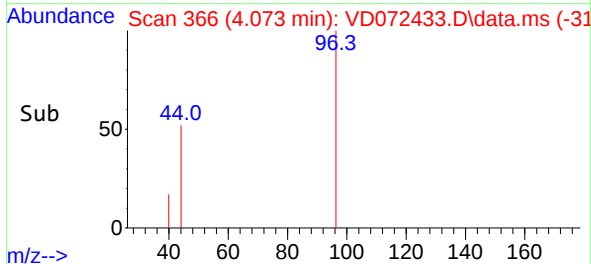
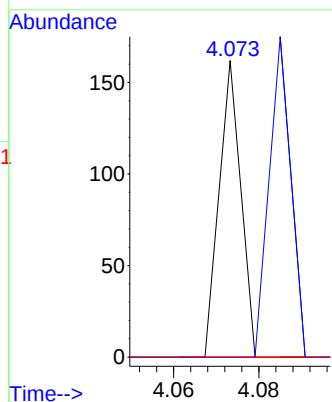
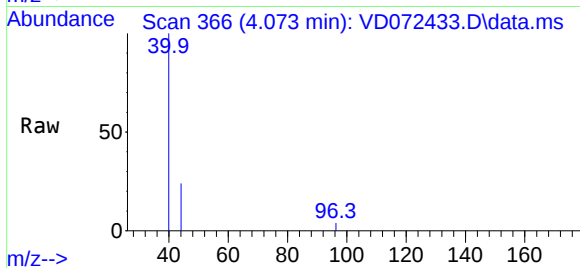
Tgt Ion: 96 Resp: 57

Ion Ratio Lower Upper

96 100

61 0.0 138.5 207.7#

98 0.0 48.6 73.0#



#16

Acetone

Concen: 10.792 ug/l

RT: 4.167 min Scan# 382

Delta R.T. 0.012 min

Lab File: VD072433.D

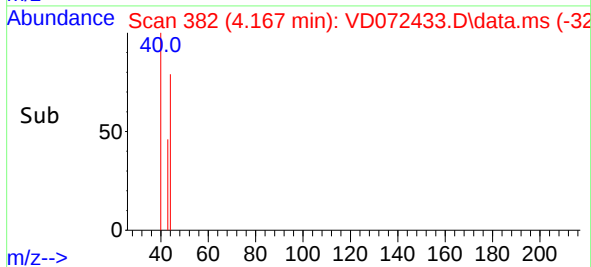
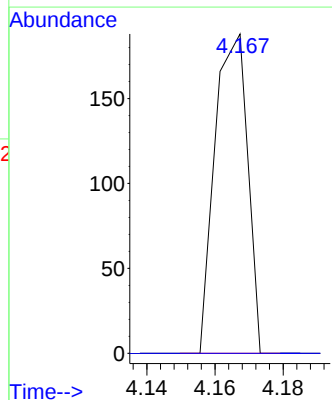
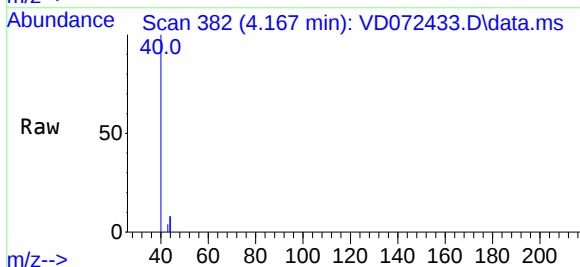
Acq: 25 Mar 2022 17:10

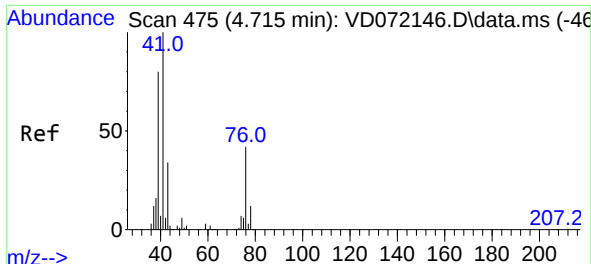
Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#





#18

Methyl Acetate

Concen: 4.932 ug/l

RT: 4.703 min Scan# 41

Delta R.T. -0.012 min

Lab File: VD072433.D

Acq: 25 Mar 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

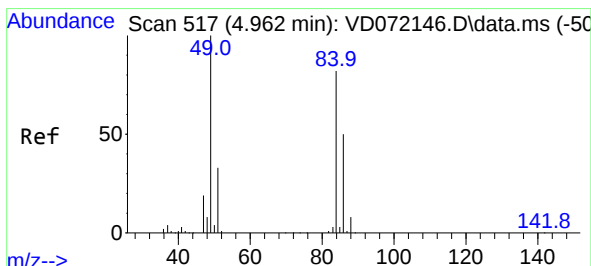
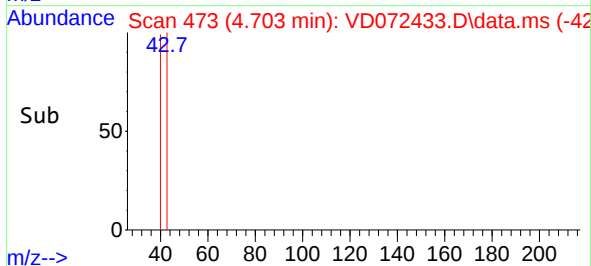
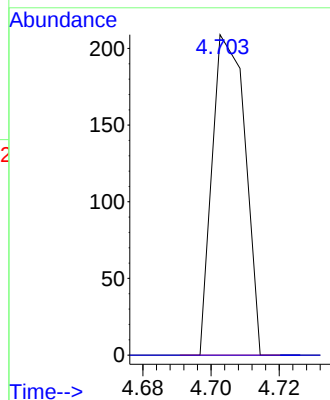
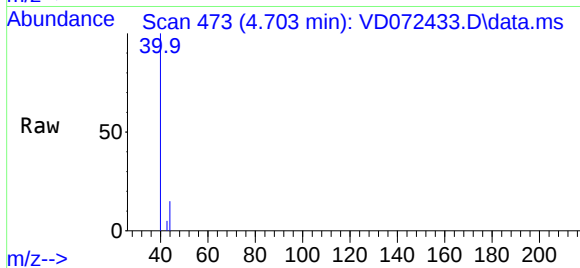
SB-02-5.0-6.0

Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.961 min Scan# 517

Delta R.T. -0.001 min

Lab File: VD072433.D

Acq: 25 Mar 2022 17:10

Tgt Ion: 84 Resp: 81

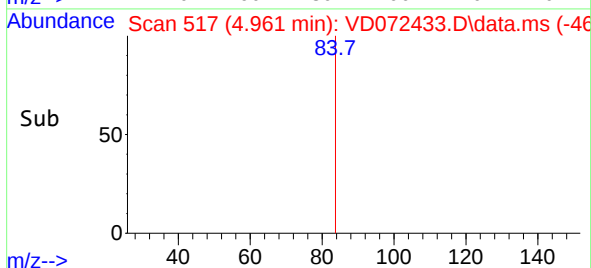
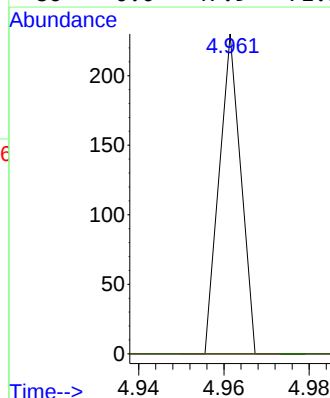
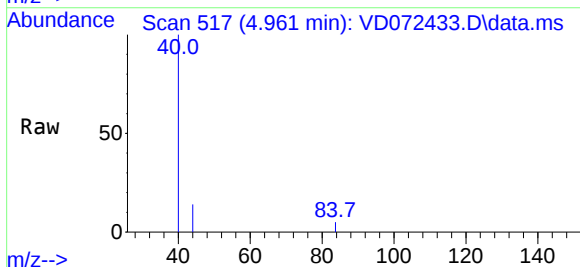
Ion Ratio Lower Upper

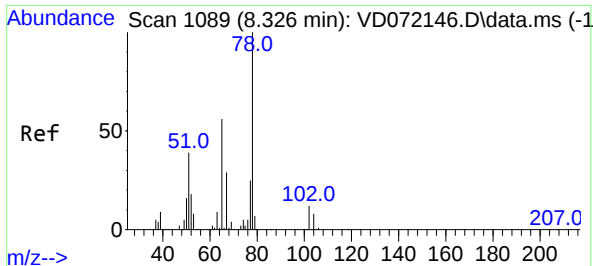
84 100

49 0.0 112.8 169.2#

51 0.0 32.6 48.8#

86 0.0 47.9 71.9#





#33

1,2-Dichloroethane-d4

Concen: 64.913 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD072433.D

Acq: 25 Mar 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

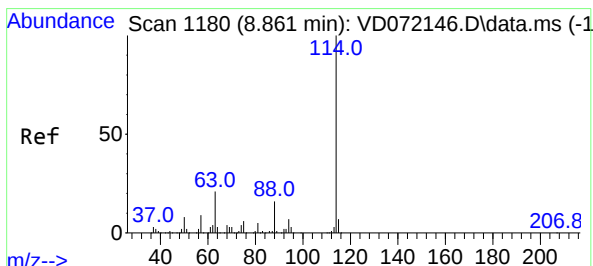
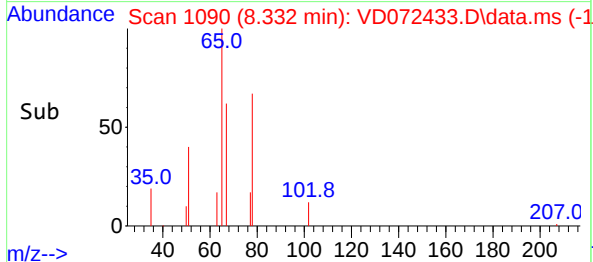
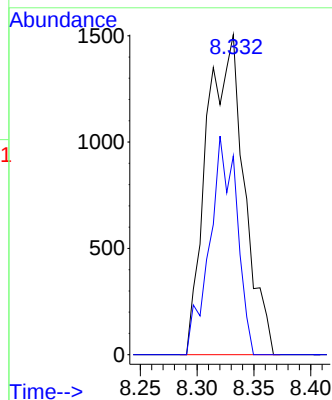
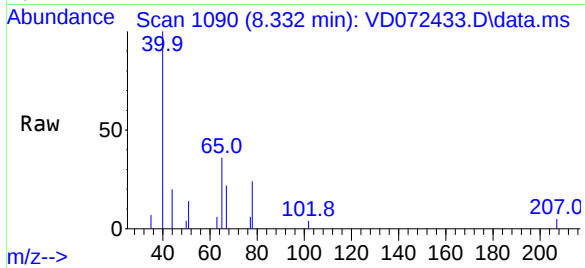
SB-02-5.0-6.0

Tgt Ion: 65 Resp: 3463

Ion Ratio Lower Upper

65 100

67 49.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072433.D

Acq: 25 Mar 2022 17:10

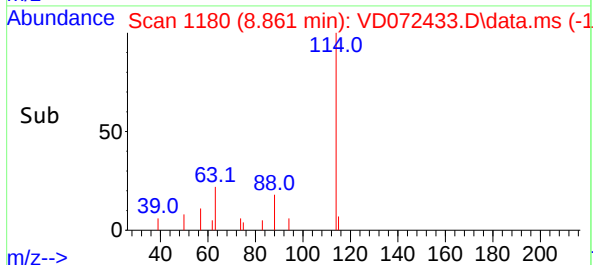
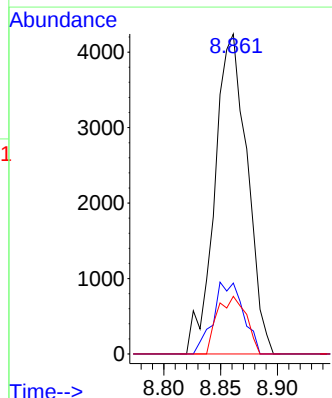
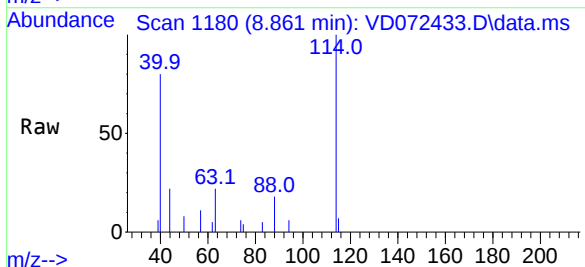
Tgt Ion: 114 Resp: 8423

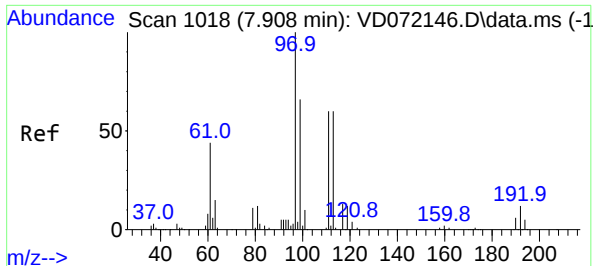
Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.6

88 18.0 0.0 33.2

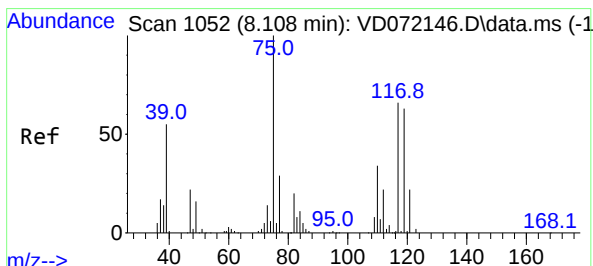
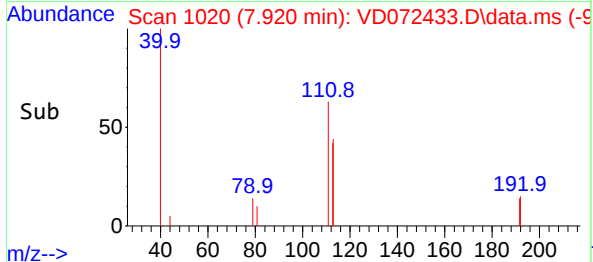
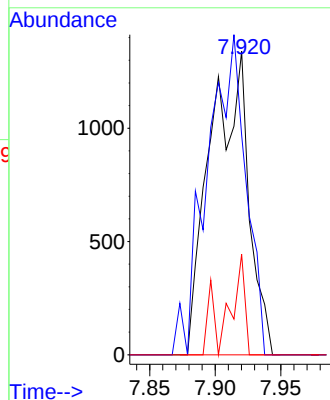
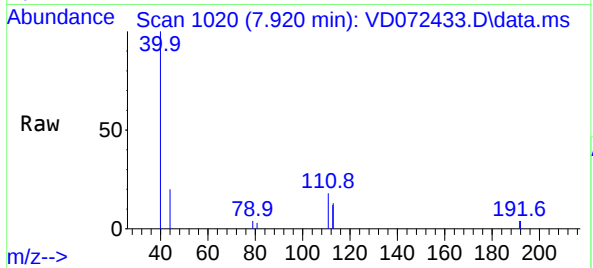




#35
Dibromofluoromethane
Concen: 45.990 ug/l
RT: 7.920 min Scan# 1031
Delta R.T. 0.012 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

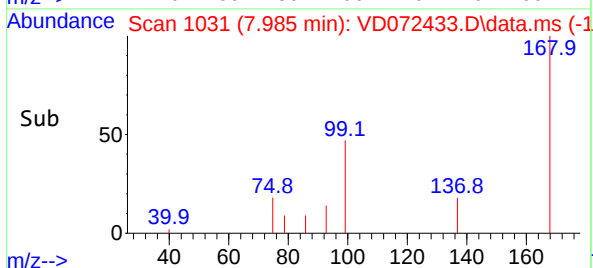
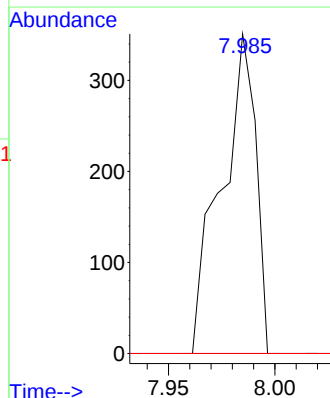
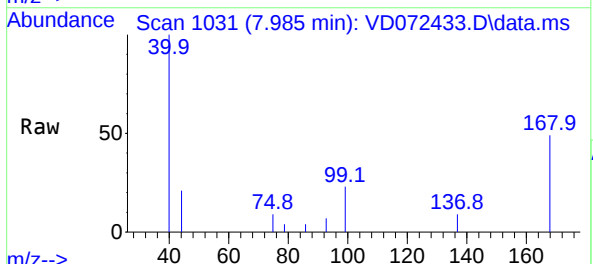
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

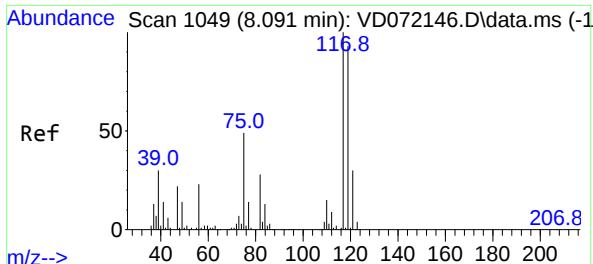
Tgt Ion:113 Resp: 2726
Ion Ratio Lower Upper
113 100
111 106.2 83.8 125.6
192 10.7 14.6 21.8#



#36
1,1-Dichloropropene
Concen: 4.774 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion: 75 Resp: 397
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#

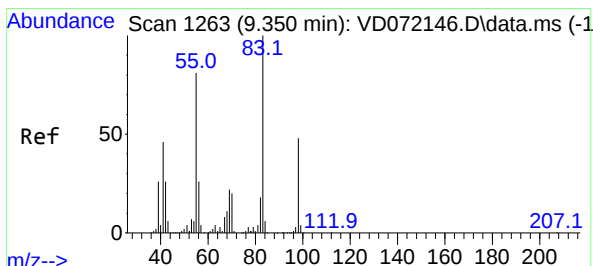
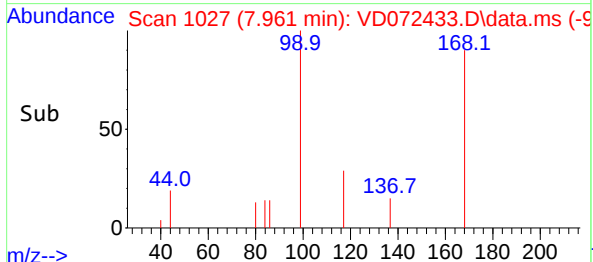
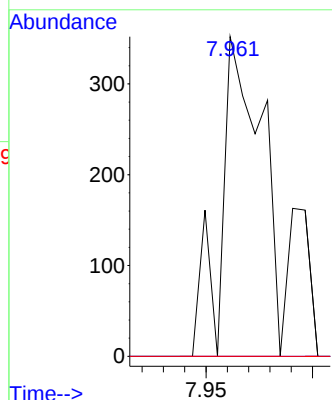
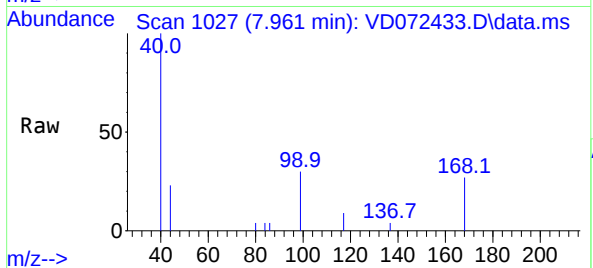




#38
Carbon Tetrachloride
Concen: 4.951 ug/l
RT: 7.961 min Scan# 117
Delta R.T. -0.130 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

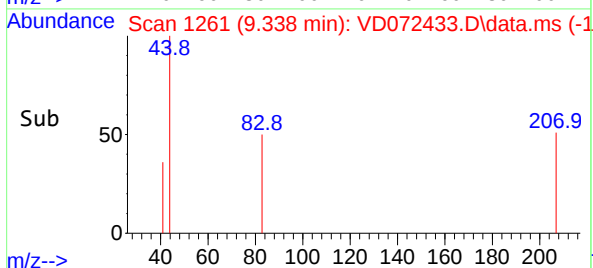
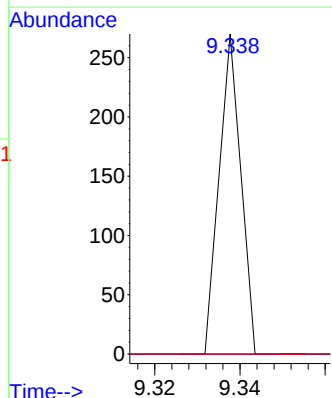
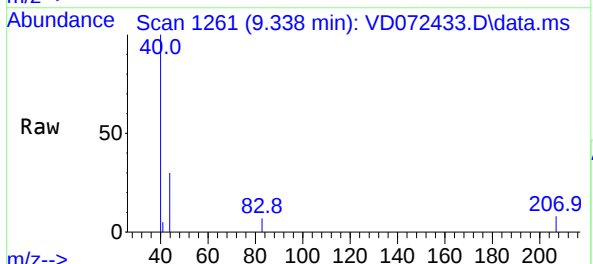
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SB-02-5.0-6.0

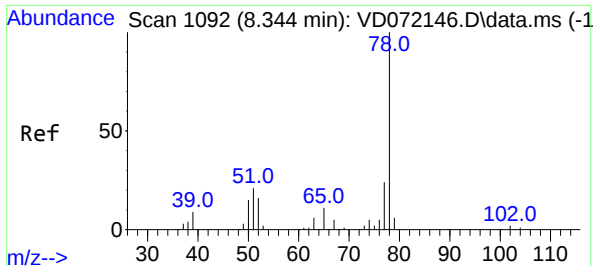
Tgt Ion:117 Resp: 468
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.015 ug/l
RT: 9.338 min Scan# 1261
Delta R.T. -0.012 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion: 83 Resp: 95
Ion Ratio Lower Upper
83 100
55 0.0 63.2 94.8#
98 0.0 38.2 57.4#

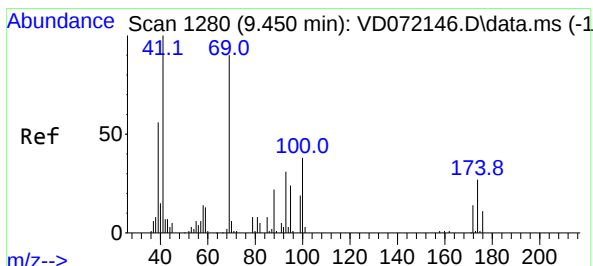
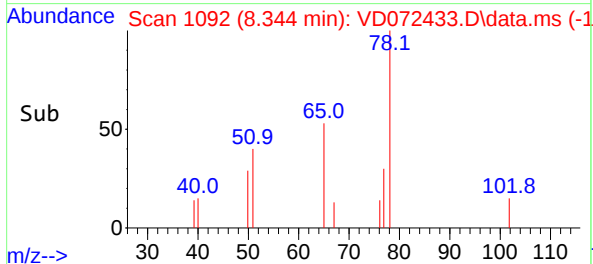
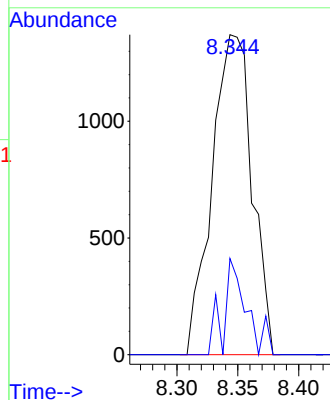
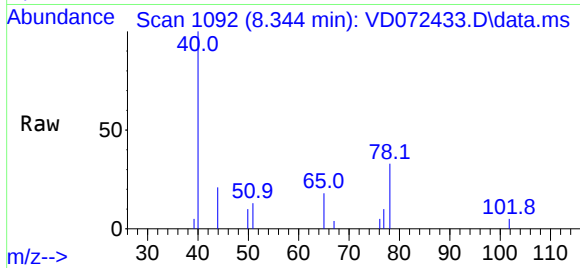




#40
Benzene
Concen: 13.249 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

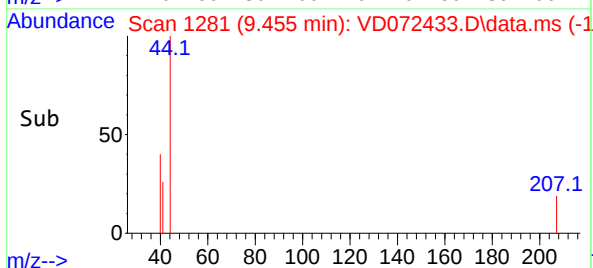
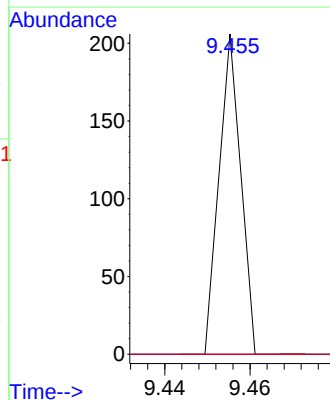
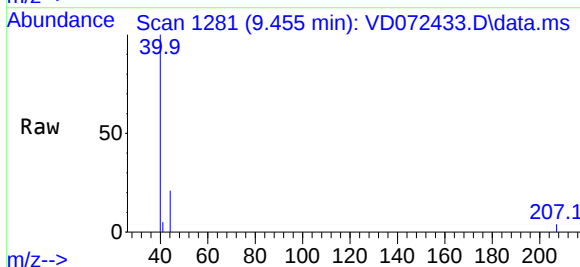
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MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

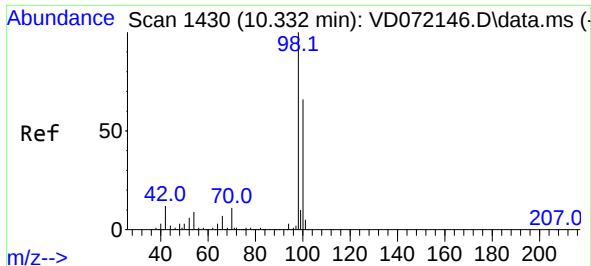
Tgt Ion: 78 Resp: 3143
Ion Ratio Lower Upper
78 100
77 30.1 19.1 28.7#



#48
Methyl methacrylate
Concen: 2.162 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion: 41 Resp: 73
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 0.0 42.7 64.1#

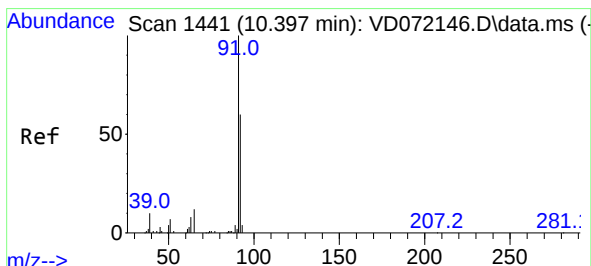
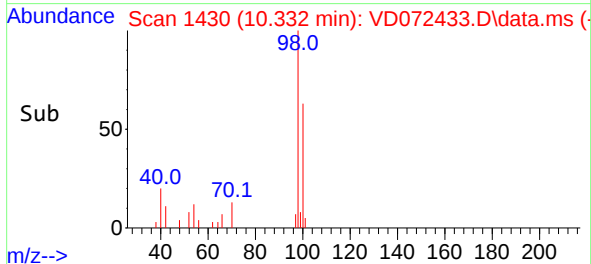
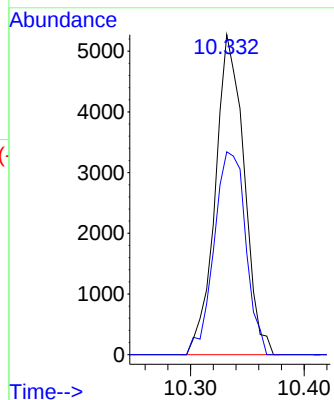
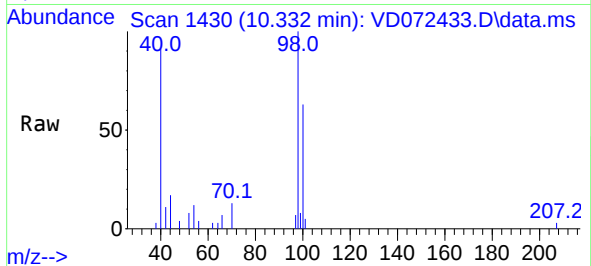




#50
Toluene-d8
Concen: 42.781 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

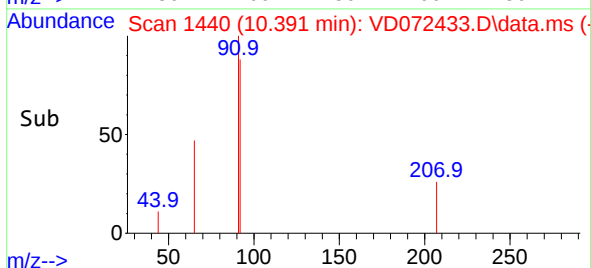
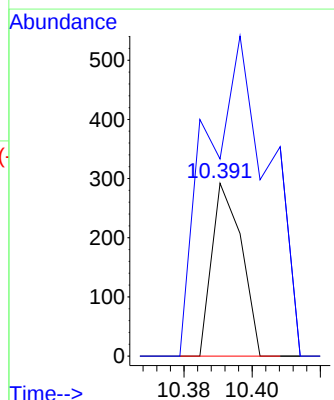
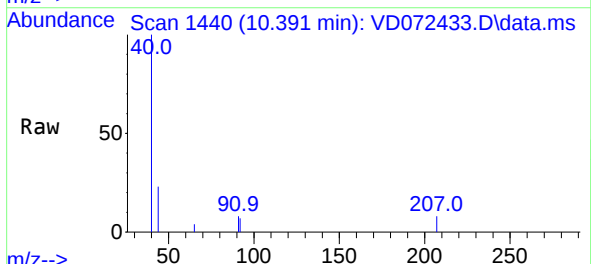
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

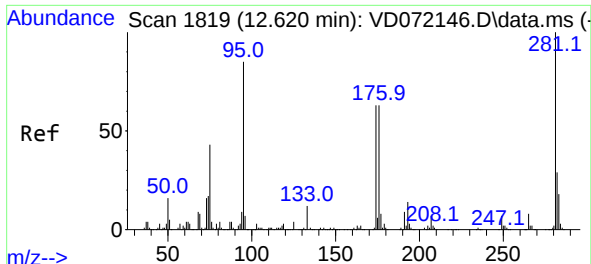
Tgt Ion: 98 Resp: 9272
Ion Ratio Lower Upper
98 100
100 69.8 52.4 78.6



#52
Toluene
Concen: 1.127 ug/l
RT: 10.391 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion: 92 Resp: 176
Ion Ratio Lower Upper
92 100
91 386.4 139.6 209.4#





#62

4-Bromofluorobenzene

Concen: 52.925 ug/l

RT: 12.626 min Scan# 1819

Delta R.T. 0.006 min

Lab File: VD072433.D

Acq: 25 Mar 2022 17:10

Instrument :

MSVOA_D

ClientSampleId :

SB-02-5.0-6.0

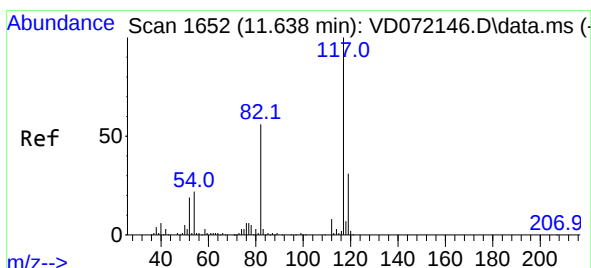
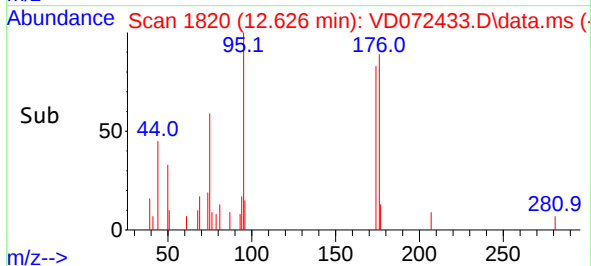
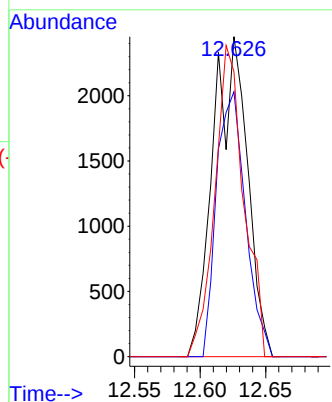
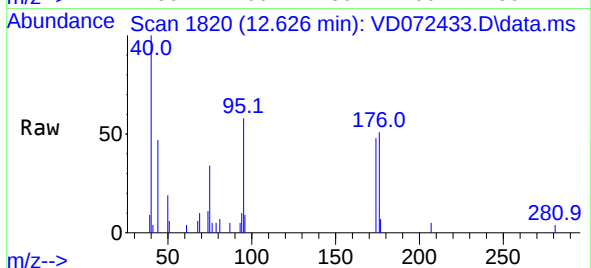
Tgt Ion: 95 Resp: 4457

Ion Ratio Lower Upper

95 100

174 69.9 0.0 152.8

176 82.4 0.0 145.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1652

Delta R.T. -0.000 min

Lab File: VD072433.D

Acq: 25 Mar 2022 17:10

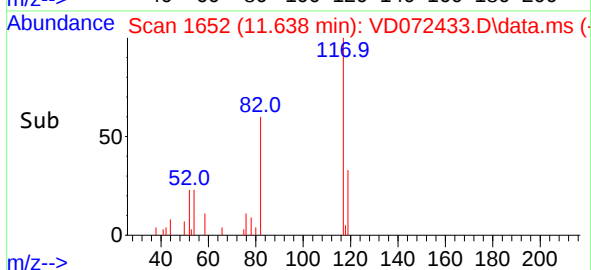
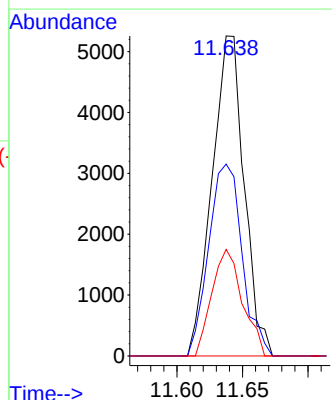
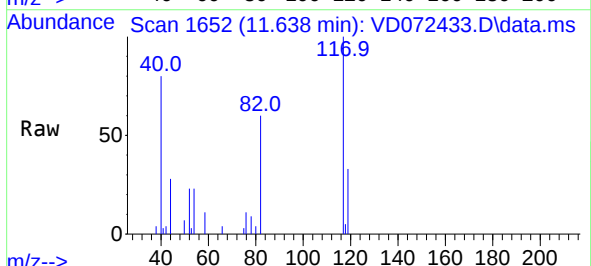
Tgt Ion: 117 Resp: 8947

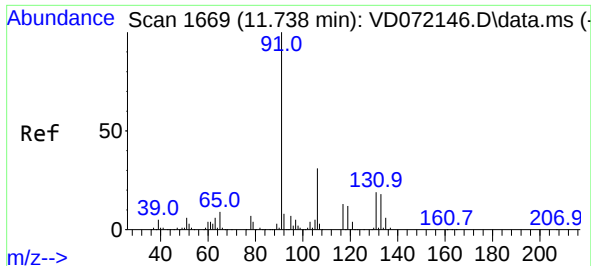
Ion Ratio Lower Upper

117 100

82 60.0 45.3 67.9

119 33.3 26.6 40.0

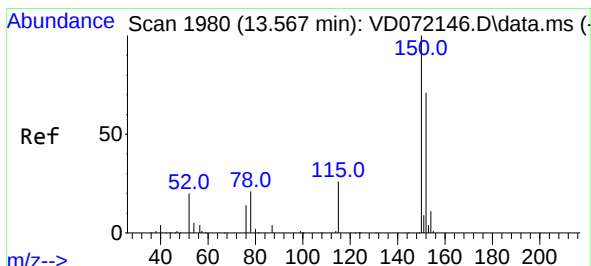
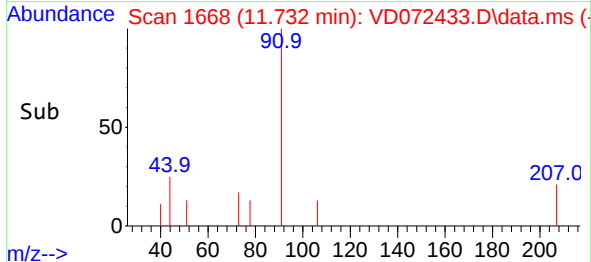
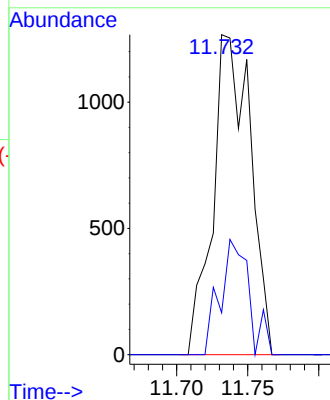
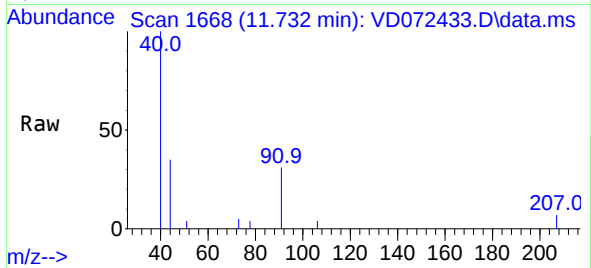




#67
Ethyl Benzene
Concen: 6.554 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

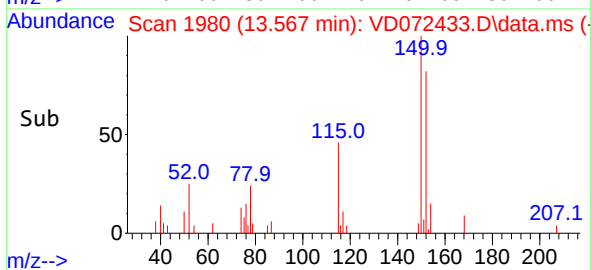
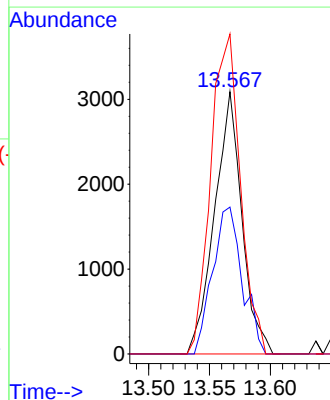
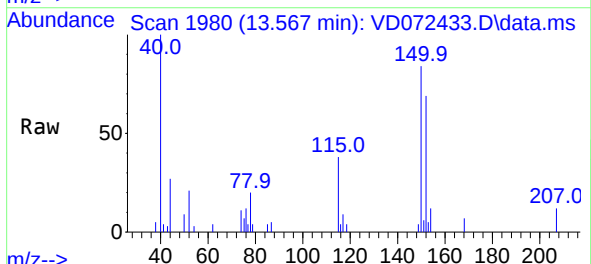
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

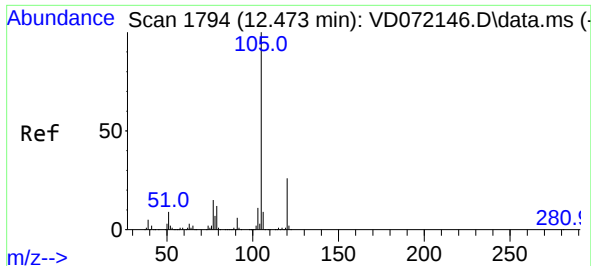
Tgt Ion: 91 Resp: 2322
Ion Ratio Lower Upper
91 100
106 13.1 24.2 36.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion:152 Resp: 4841
Ion Ratio Lower Upper
152 100
115 60.9 31.3 93.8
150 132.1 0.0 348.6

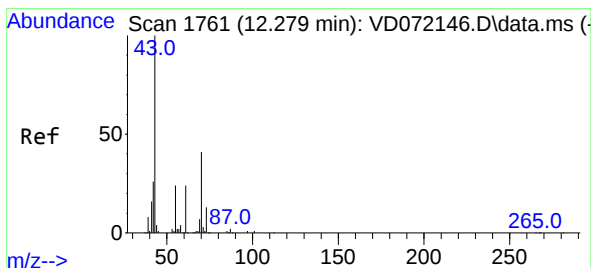
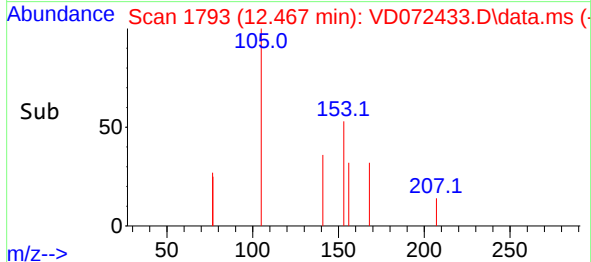
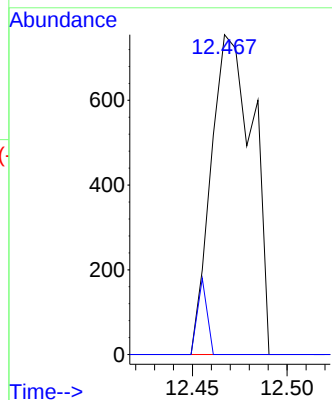
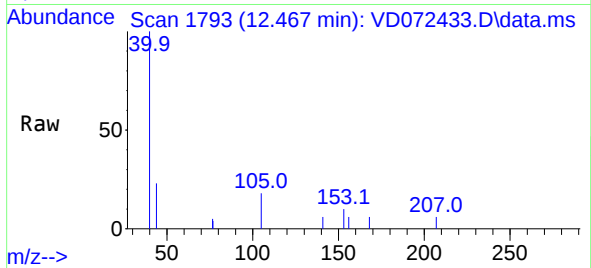




#73
Isopropylbenzene
Concen: 3.024 ug/l
RT: 12.467 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

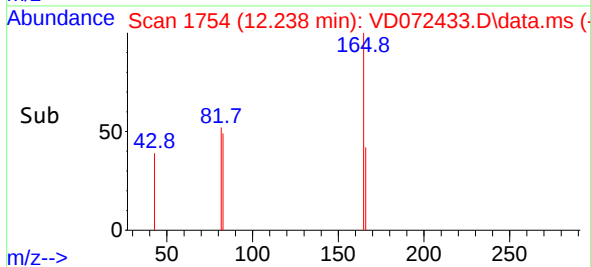
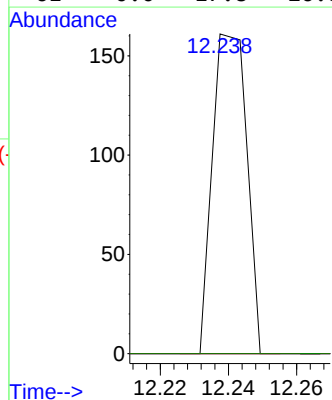
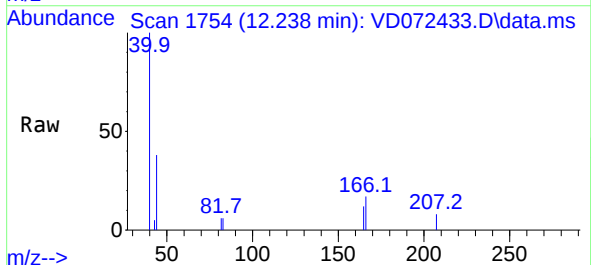
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

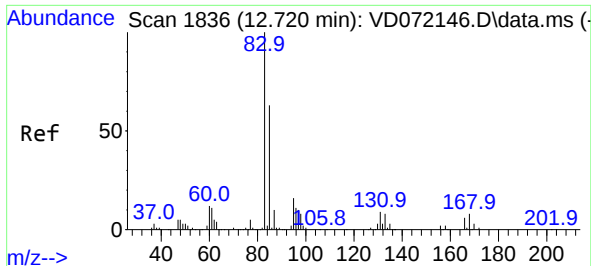
Tgt Ion:105 Resp: 1160
Ion Ratio Lower Upper
105 100
120 5.5 13.0 38.9#



#74
N-ethyl acetate
Concen: 1.371 ug/l
RT: 12.238 min Scan# 1754
Delta R.T. -0.041 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

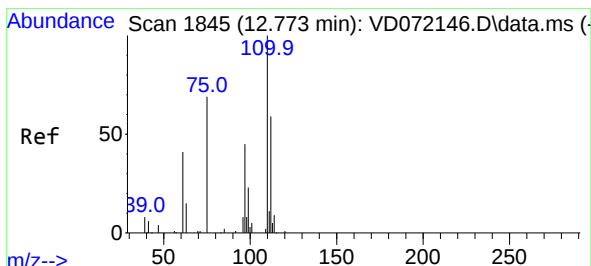
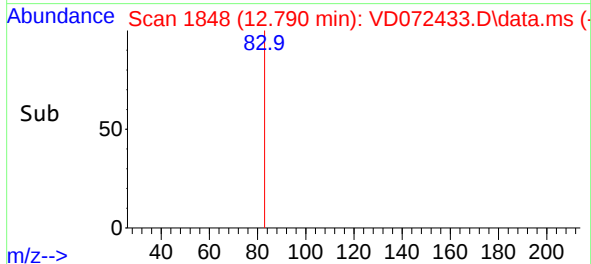
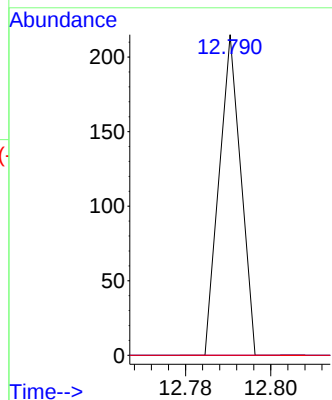
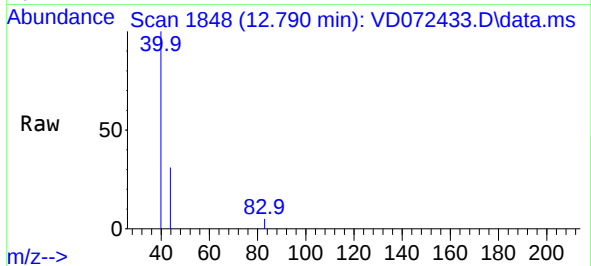




#75
1,1,2,2-Tetrachloroethane
Concen: 1.108 ug/l
RT: 12.790 min Scan# 1848
Delta R.T. 0.070 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

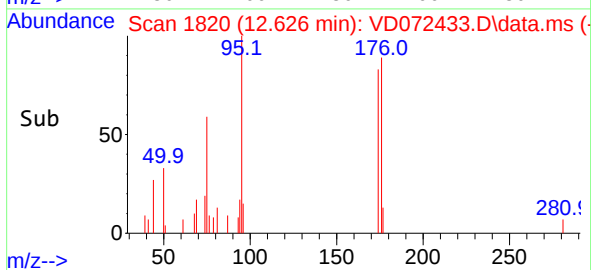
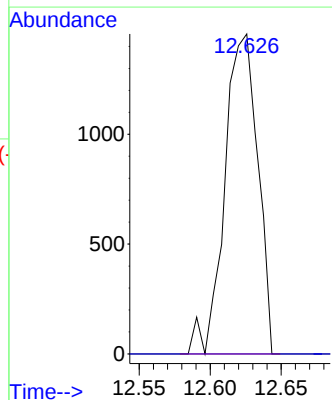
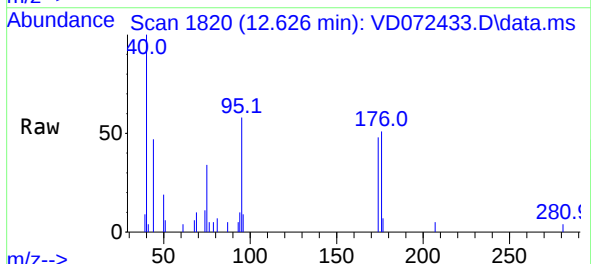
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

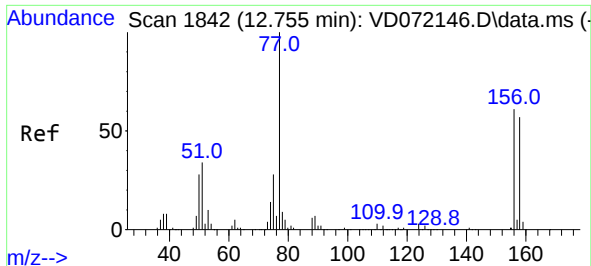
Tgt Ion: 83 Resp: 76
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 0.0 32.6 98.0#



#76
1,2,3-Trichloropropane
Concen: 44.063 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion: 75 Resp: 2353
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

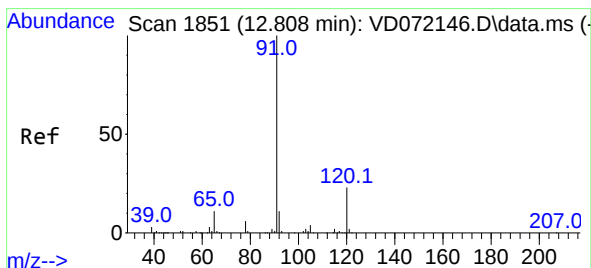
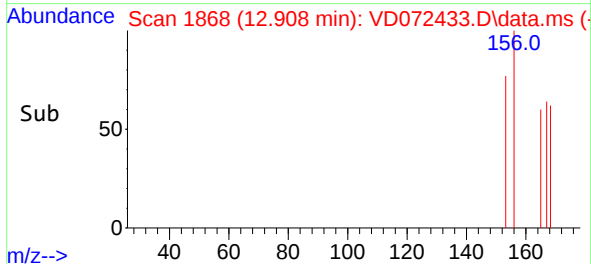
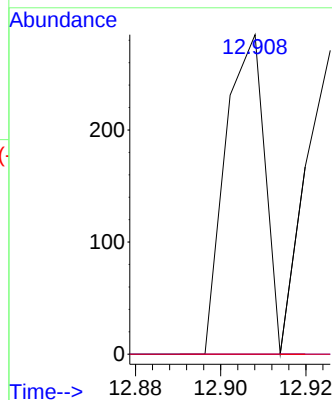
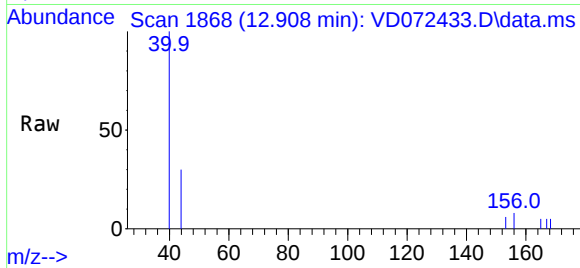




#77
Bromobenzene
Concen: 2.108 ug/l
RT: 12.908 min Scan# 1868
Delta R.T. 0.153 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

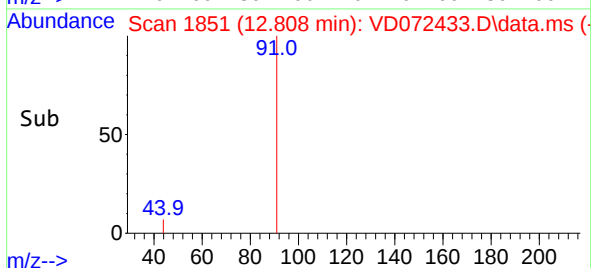
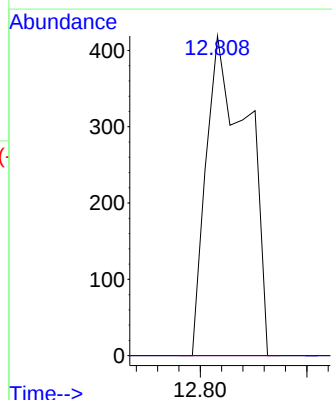
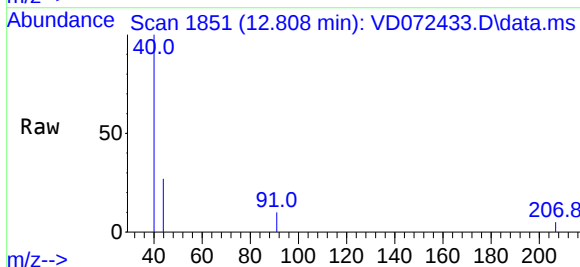
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

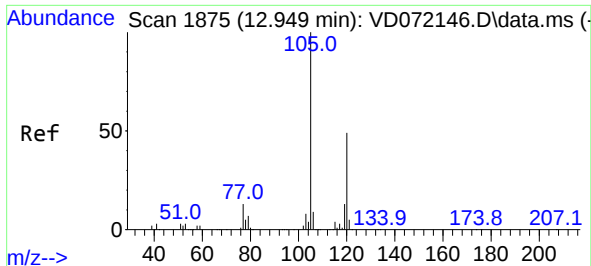
Tgt Ion:156 Resp: 182
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 0.0 48.7 146.1#



#78
n-propylbenzene
Concen: 1.206 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion: 91 Resp: 562
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.9#

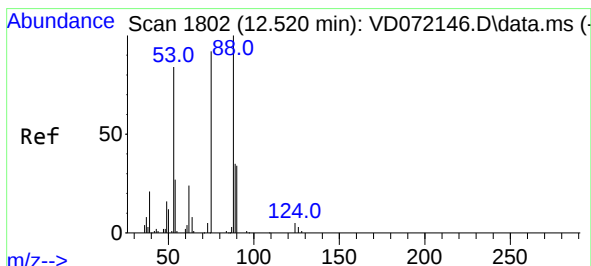
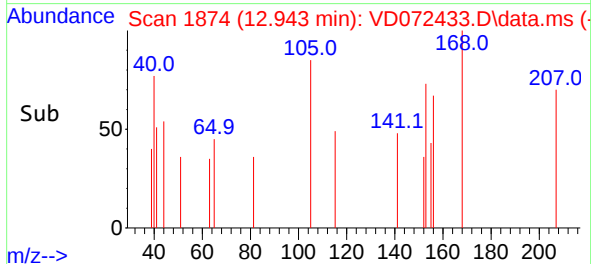
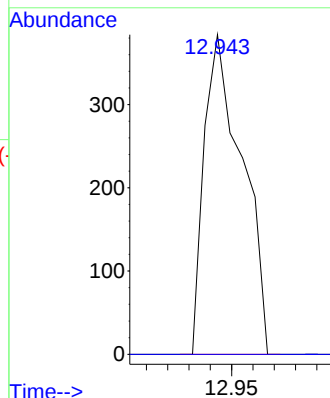
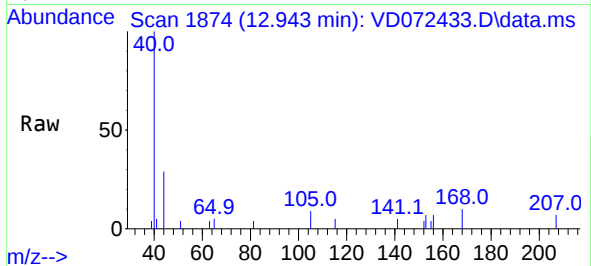




#80
1,3,5-Trimethylbenzene
Concen: 1.444 ug/l
RT: 12.943 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

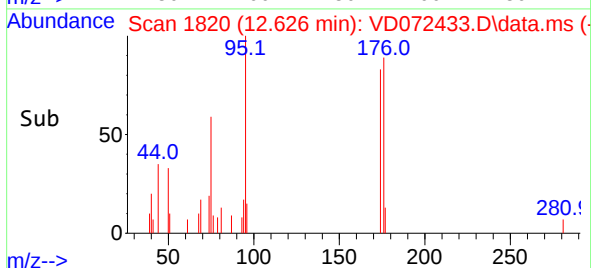
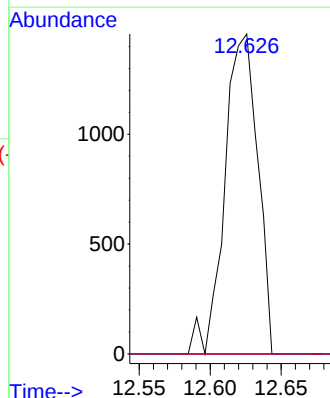
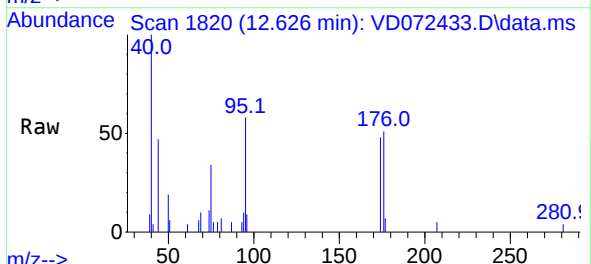
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

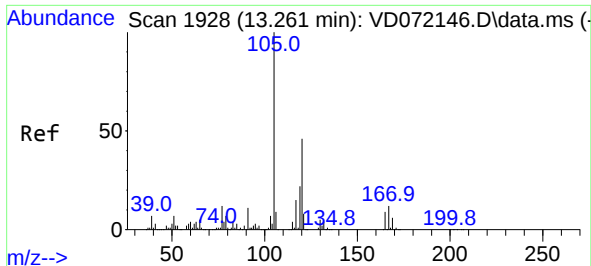
Tgt Ion:105 Resp: 476
Ion Ratio Lower Upper
105 100
120 0.0 24.3 72.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.325 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion: 75 Resp: 2353
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

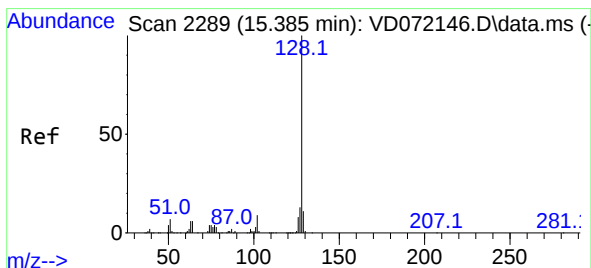
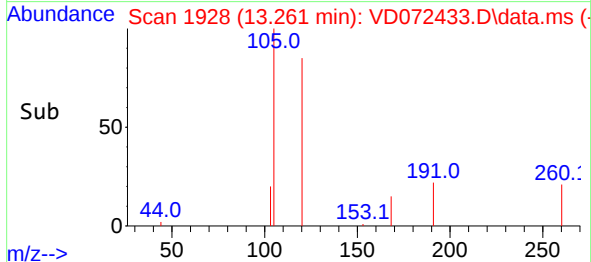
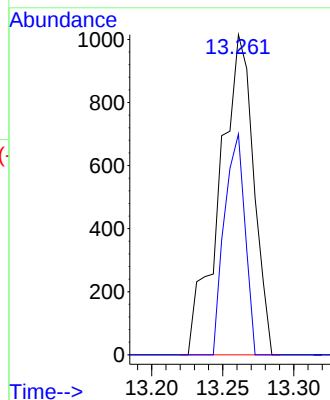
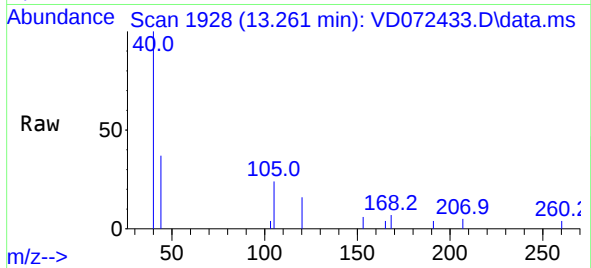




#84
1,2,4-Trimethylbenzene
Concen: 5.204 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.0-6.0

Tgt Ion:105 Resp: 1690
Ion Ratio Lower Upper
105 100
120 41.5 22.3 66.8



#95
Naphthalene
Concen: 94.258 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072433.D
Acq: 25 Mar 2022 17:10

Tgt Ion:128 Resp: 16972
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.0 8.4 12.6

