

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071922\
 Data File : VD073869.D
 Acq On : 19 Jul 2022 19:13
 Operator : VA/SY
 Sample : N3730-07
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-6.5-7.0

Quant Time: Jul 20 01:23:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 01:56:16 2022
 Response via : Initial Calibration

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

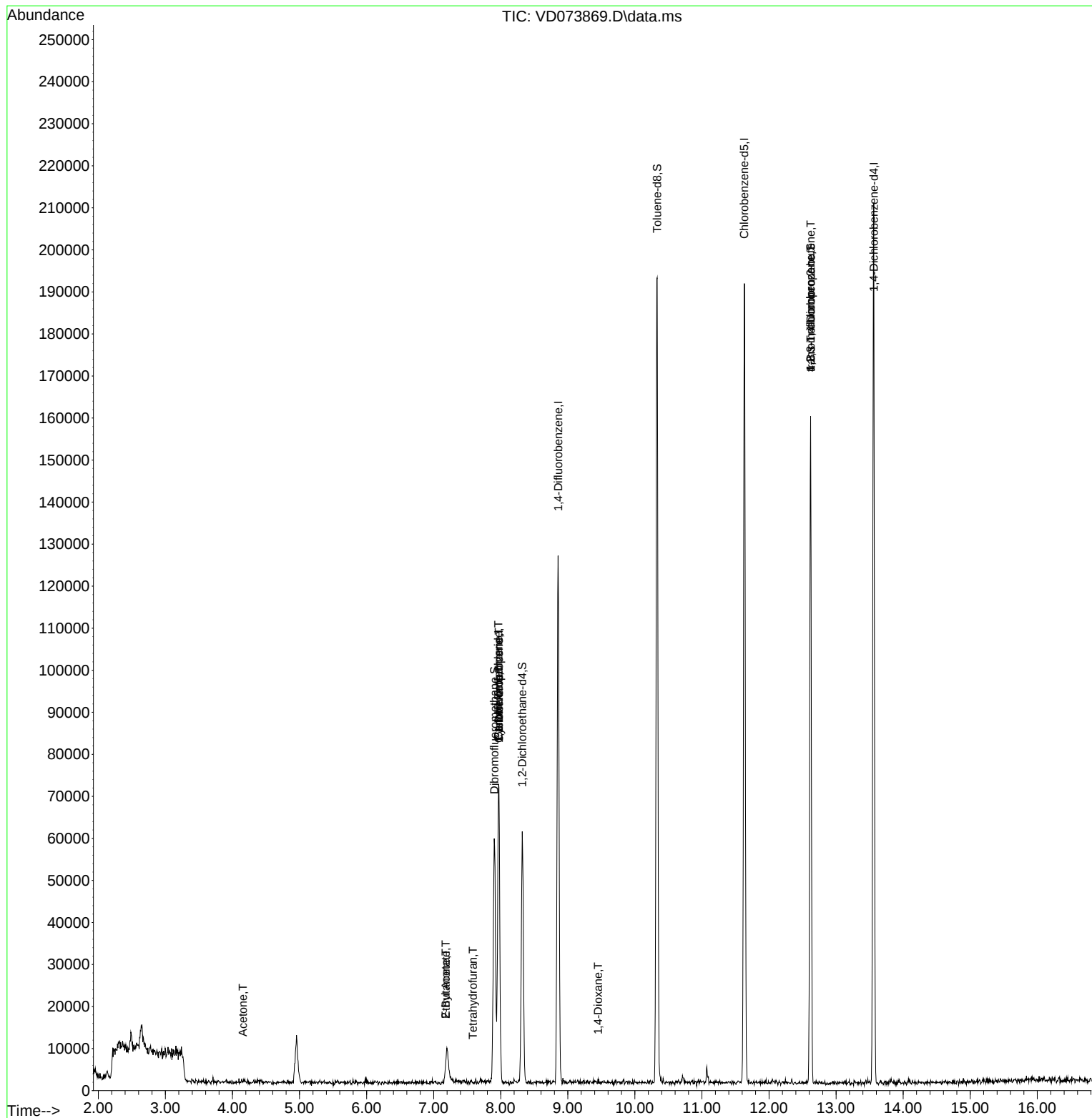
Internal Standards						
1) Pentafluorobenzene	7.967	168	49777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	107322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	106957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	53192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	46909	78.919	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 157.840%			
35) Dibromofluoromethane	7.903	113	40482	53.467	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.940%			
50) Toluene-d8	10.332	98	131410	47.810	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.620%			
62) 4-Bromofluorobenzene	12.620	95	52711	55.778	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.560%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	1792	Below Cal	#	83
11) Tert butyl alcohol	5.203	59	62	Below Cal	#	74
16) Acetone	4.156	43	1003	10.284	ug/l #	47
18) Methyl Acetate	4.744	43	189	Below Cal	#	55
20) Methylene Chloride	4.956	84	8089	Below Cal	#	88
25) 2-Butanone	7.179	43	898	6.487	ug/l #	52
29) Tetrahydrofuran	7.585	42	119	1.418	ug/l #	38
31) Cyclohexane	7.973	56	1343	1.422	ug/l #	58
36) 1,1-Dichloropropene	7.973	75	4536	4.153	ug/l #	44
37) Ethyl Acetate	7.179	43	898	2.286	ug/l #	74
38) Carbon Tetrachloride	7.967	117	5951	4.771	ug/l #	13
49) 1,4-Dioxane	9.450	88	200	43.872	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	28264	49.523	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	28264	133.634	ug/l #	7

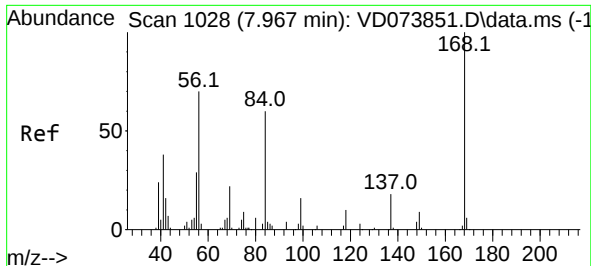
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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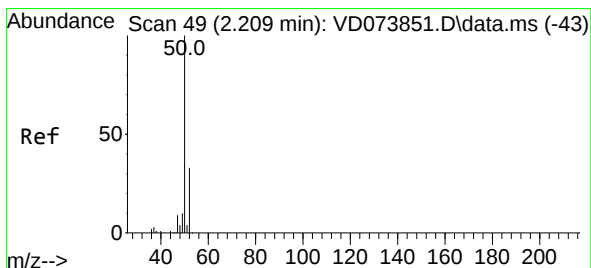
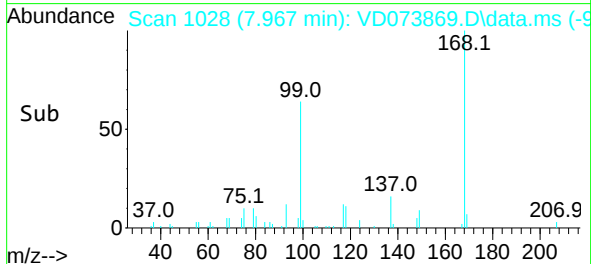
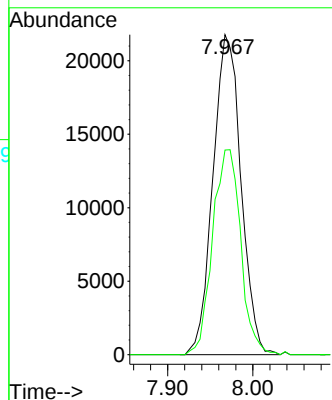
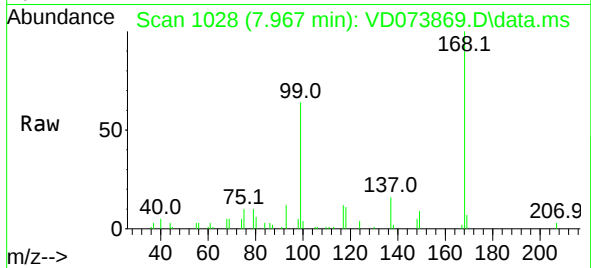




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

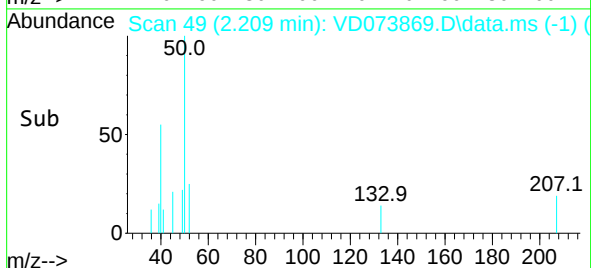
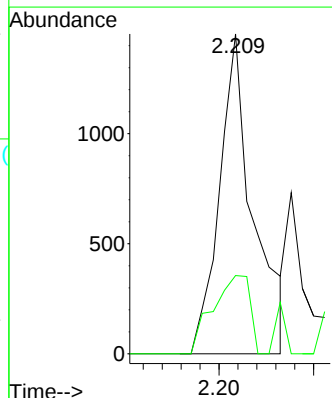
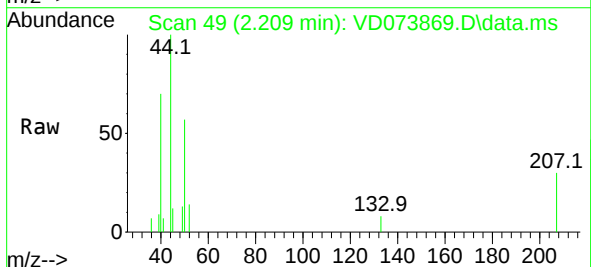
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

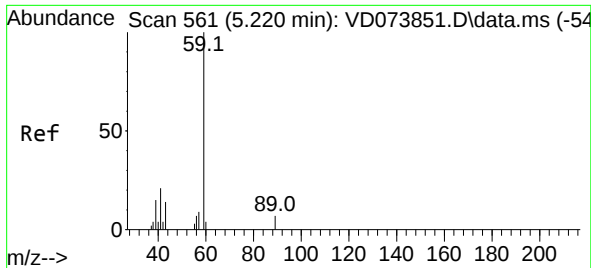
Tgt Ion:168 Resp: 49777
Ion Ratio Lower Upper
168 100
99 64.0 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

Tgt Ion: 50 Resp: 1792
Ion Ratio Lower Upper
50 100
52 24.5 27.4 41.0#

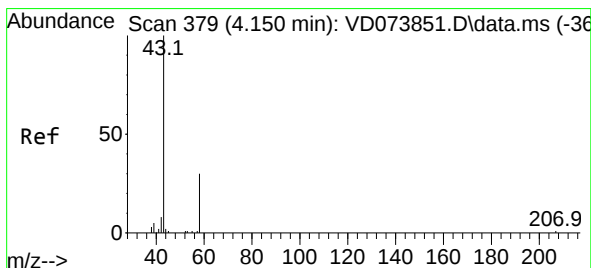
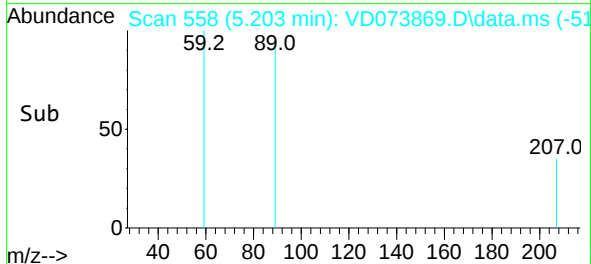
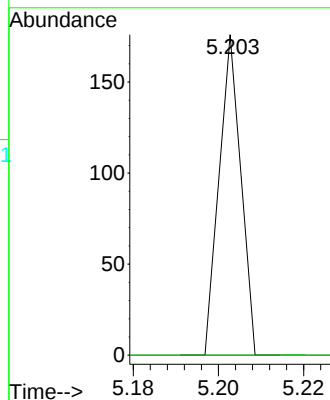
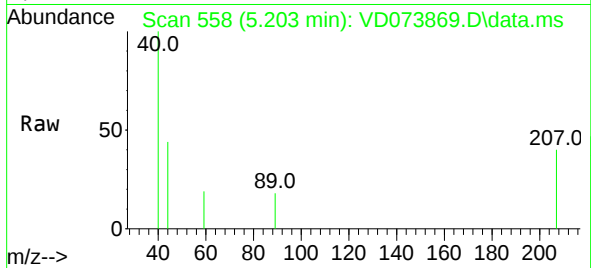




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 51
Delta R.T. -0.017 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

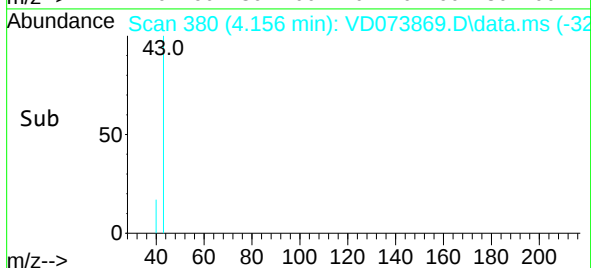
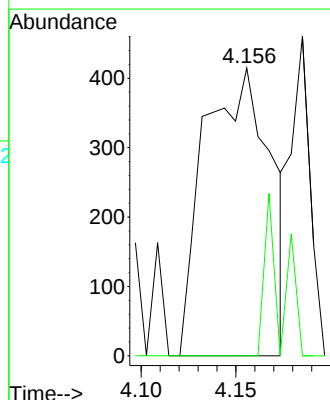
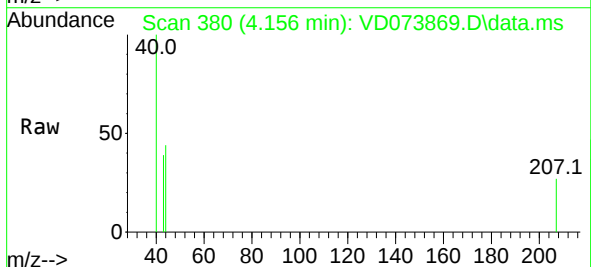
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

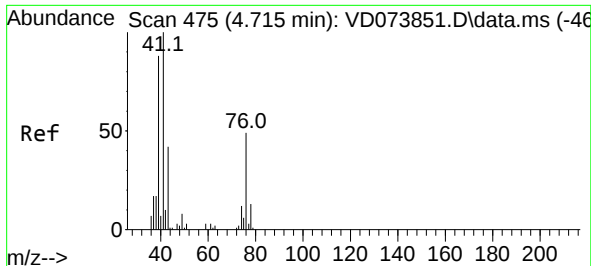
Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 10.284 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

Tgt Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

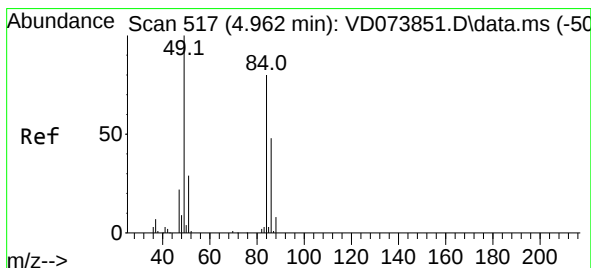
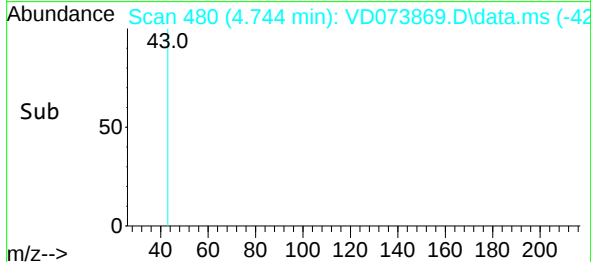
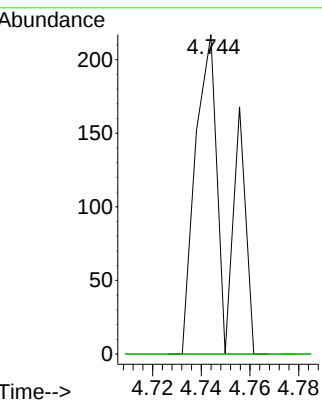
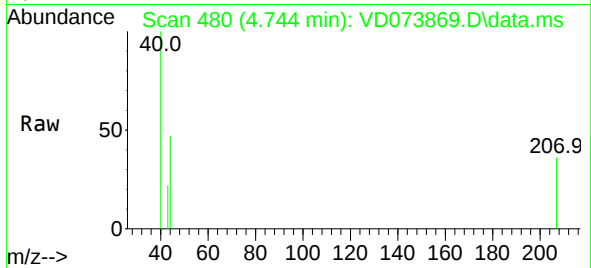




#18
Methyl Acetate
Concen: Below Cal
RT: 4.744 min Scan# 41
Delta R.T. 0.029 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

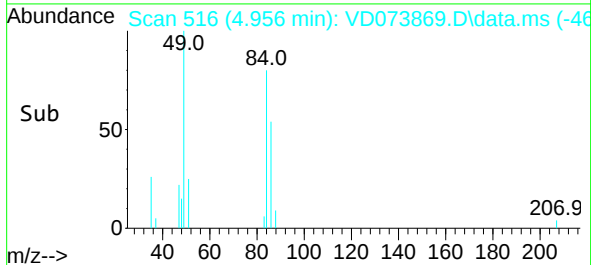
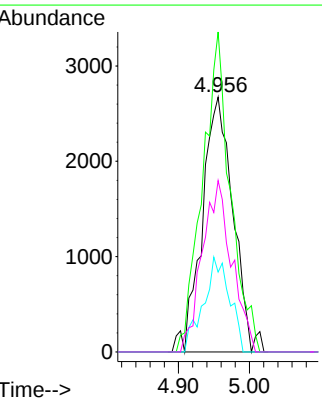
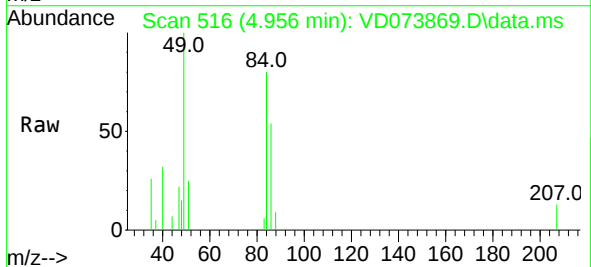
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

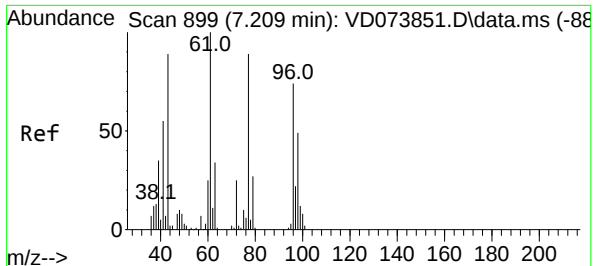
Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

Tgt Ion: 84 Resp: 8089
Ion Ratio Lower Upper
84 100
49 125.5 112.8 169.2
51 31.3 32.6 48.8#
86 67.2 47.9 71.9





#25

2-Butanone

Concen: 6.487 ug/l

RT: 7.179 min Scan# 899

Delta R.T. -0.029 min

Lab File: VD073869.D

Acq: 19 Jul 2022 19:13

Instrument :

MSVOA_D

ClientSampleId :

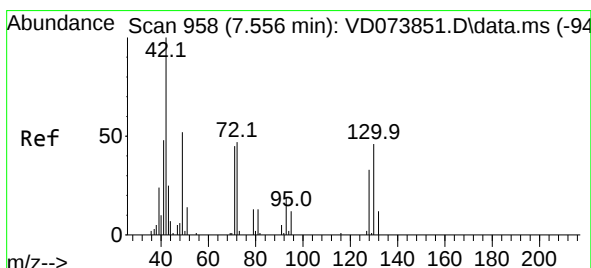
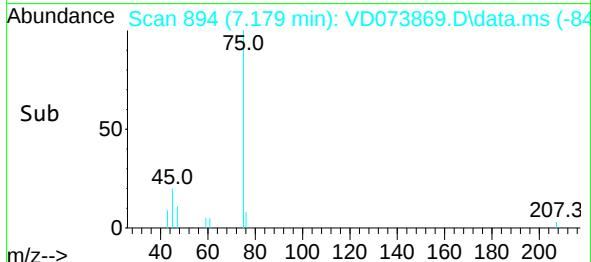
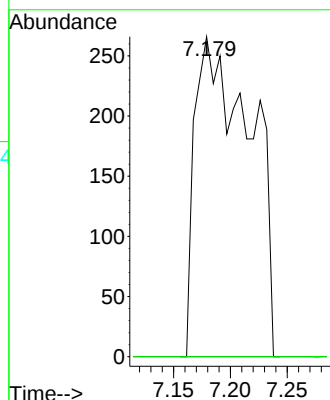
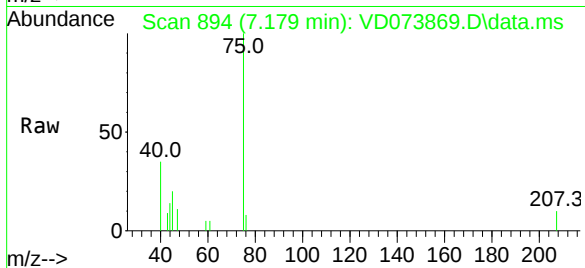
SB-04-6.5-7.0

Tgt Ion: 43 Resp: 898

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#29

Tetrahydrofuran

Concen: 1.418 ug/l

RT: 7.585 min Scan# 963

Delta R.T. 0.029 min

Lab File: VD073869.D

Acq: 19 Jul 2022 19:13

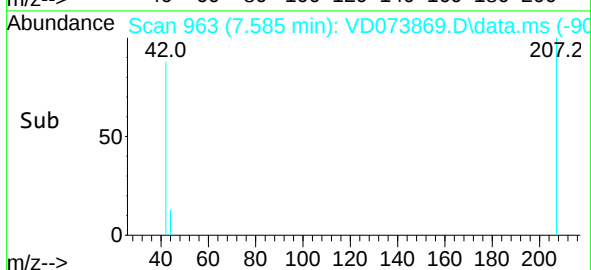
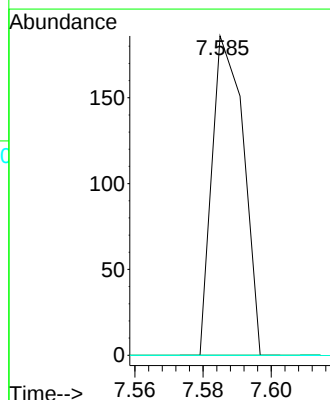
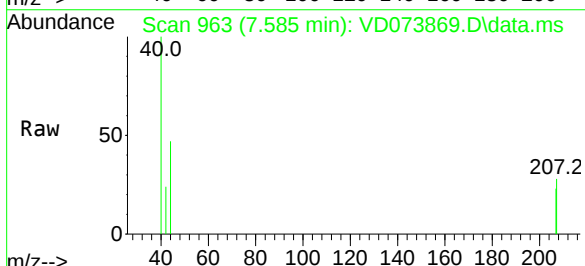
Tgt Ion: 42 Resp: 119

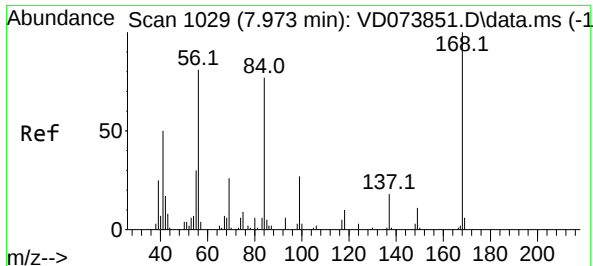
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.422 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.000 min

Lab File: VD073869.D

Acq: 19 Jul 2022 19:13

Instrument :

MSVOA_D

ClientSampleId :

SB-04-6.5-7.0

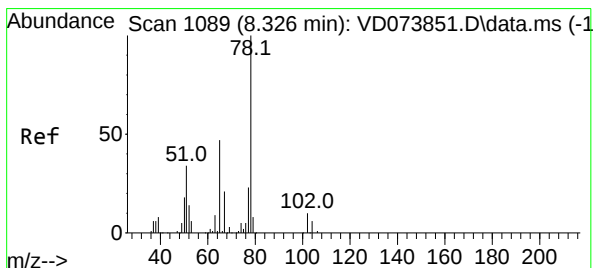
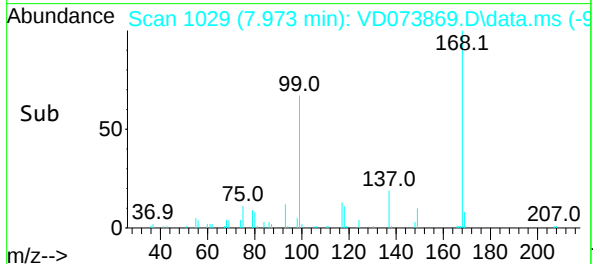
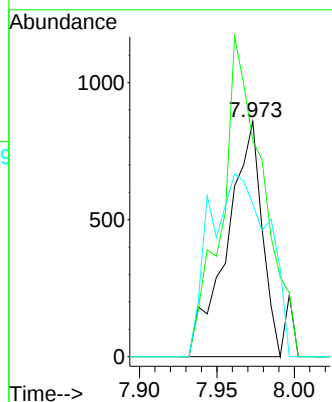
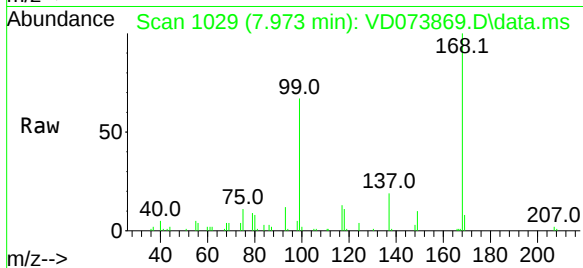
Tgt Ion: 56 Resp: 1343

Ion Ratio Lower Upper

56 100

69 91.8 25.4 38.2#

84 65.0 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 78.919 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073869.D

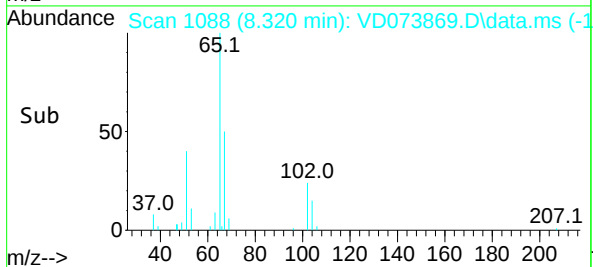
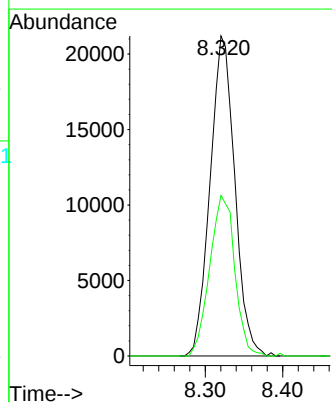
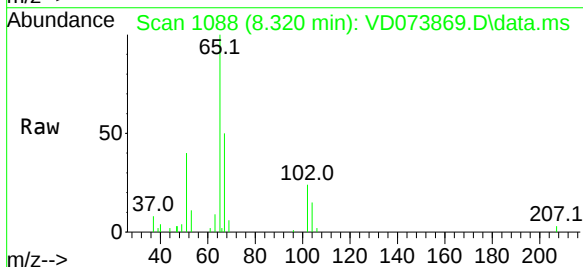
Acq: 19 Jul 2022 19:13

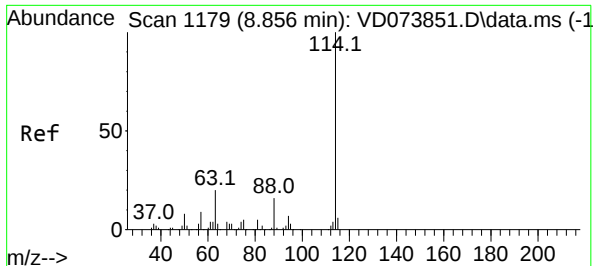
Tgt Ion: 65 Resp: 46909

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073869.D

Acq: 19 Jul 2022 19:13

Instrument :

MSVOA_D

ClientSampleId :

SB-04-6.5-7.0

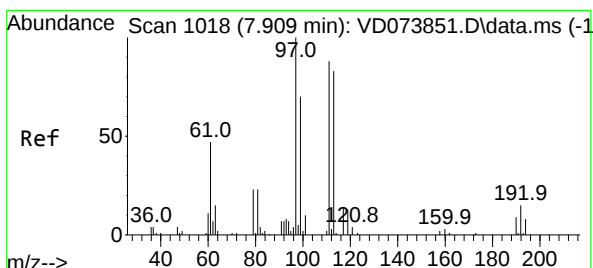
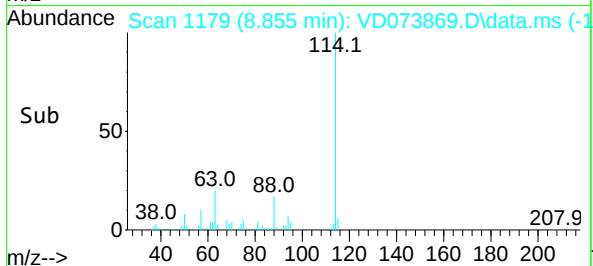
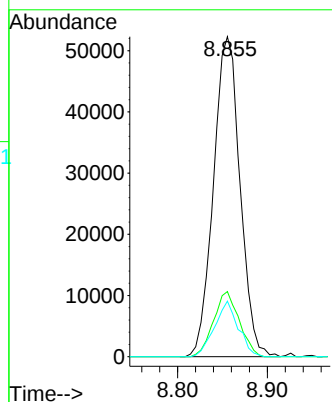
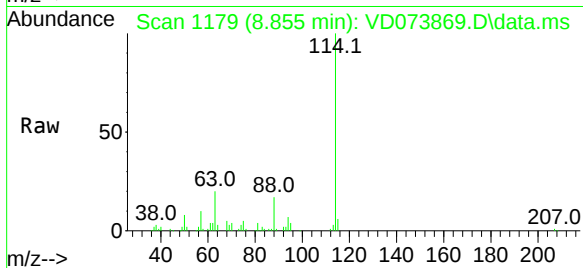
Tgt Ion:114 Resp: 107322

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 17.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.467 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073869.D

Acq: 19 Jul 2022 19:13

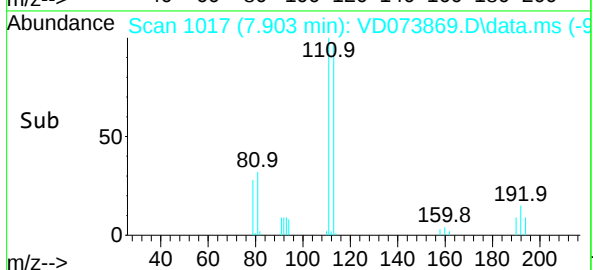
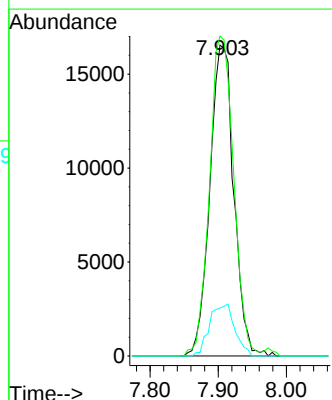
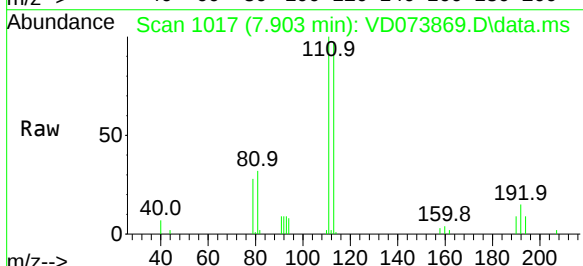
Tgt Ion:113 Resp: 40482

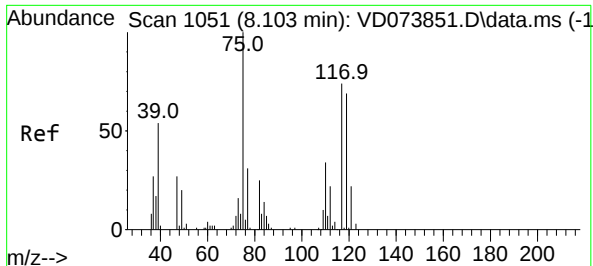
Ion Ratio Lower Upper

113 100

111 103.8 83.8 125.6

192 17.5 14.6 21.8

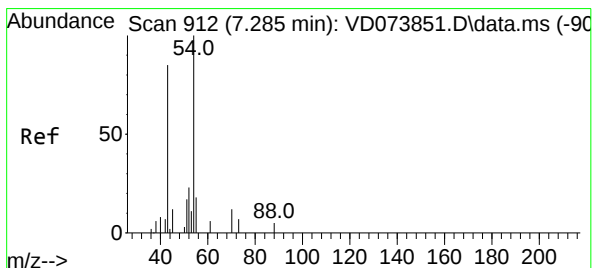
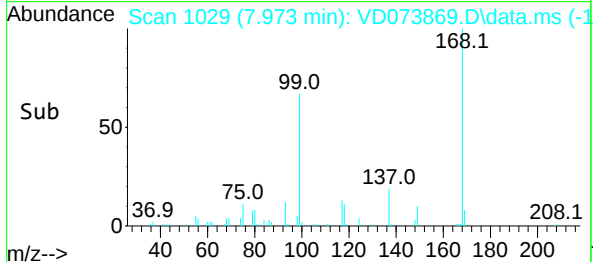
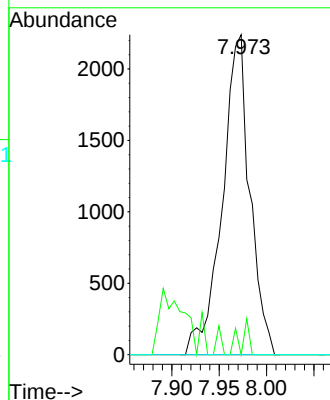
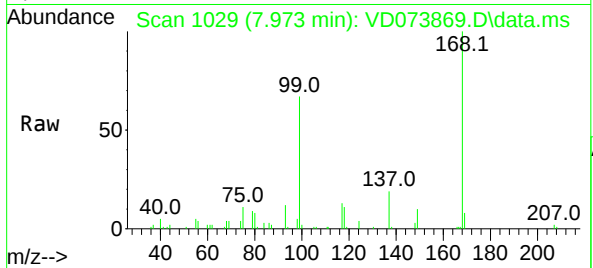




#36
1,1-Dichloropropene
Concen: 4.153 ug/l
RT: 7.973 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

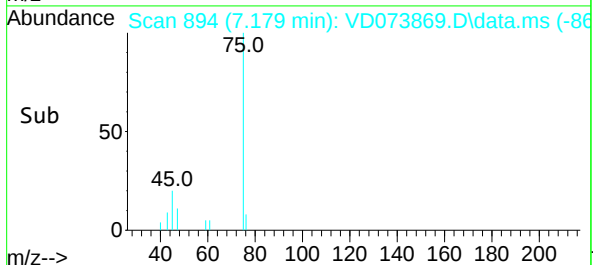
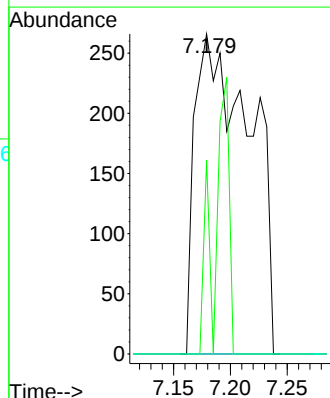
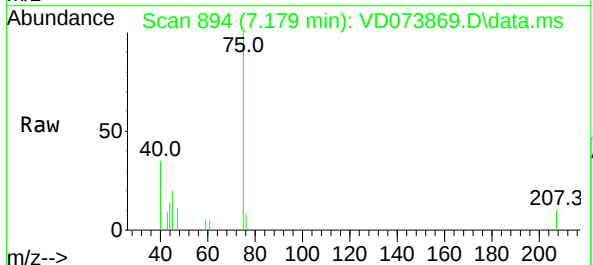
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

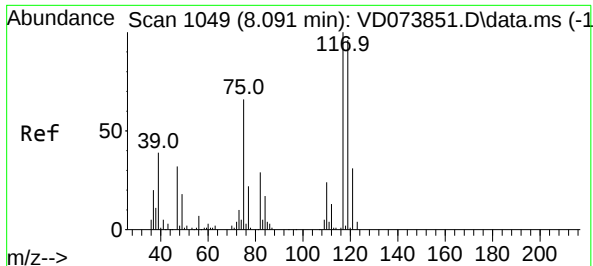
Tgt Ion: 75 Resp: 4536
Ion Ratio Lower Upper
75 100
110 1.4 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 2.286 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.106 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

Tgt Ion: 43 Resp: 898
Ion Ratio Lower Upper
43 100
61 22.9 9.8 14.8#
70 0.0 6.9 10.3#

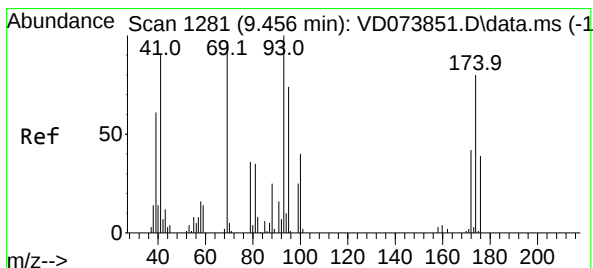
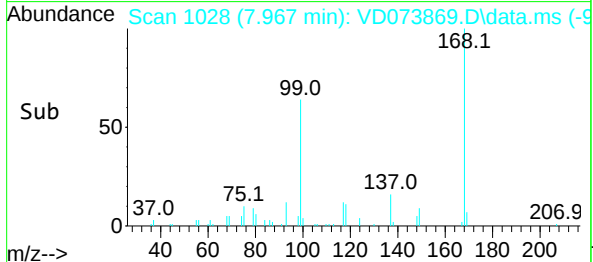
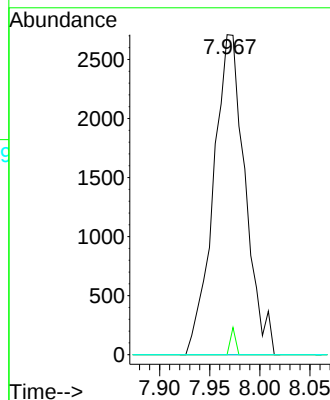
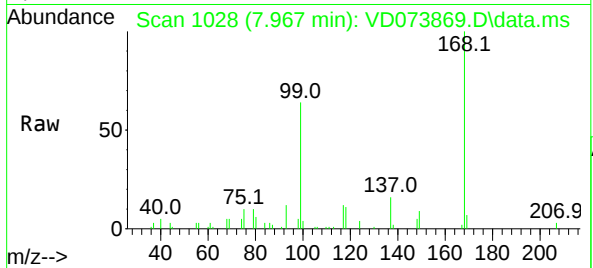




#38
Carbon Tetrachloride
Concen: 4.771 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

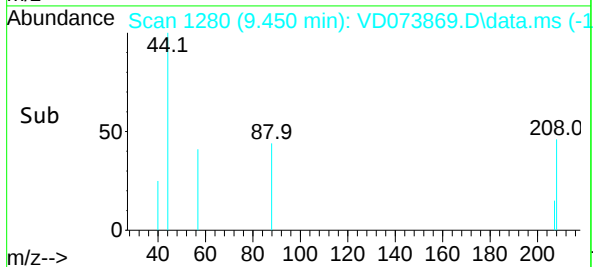
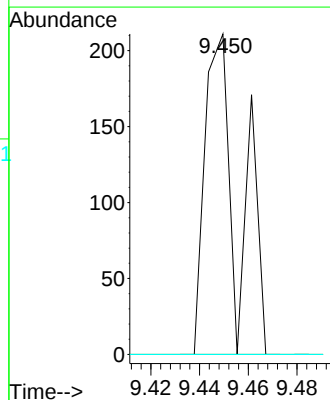
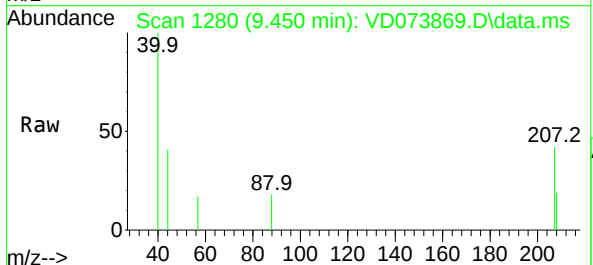
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

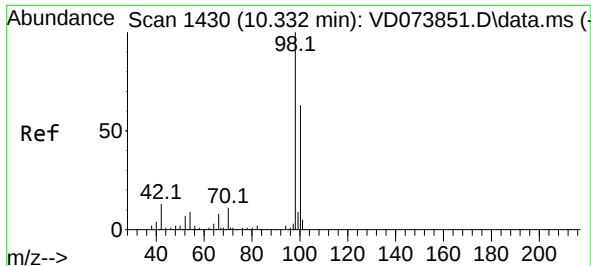
Tgt Ion:117 Resp: 5951
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#49
1,4-Dioxane
Concen: 43.872 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.006 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

Tgt Ion: 88 Resp: 200
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#

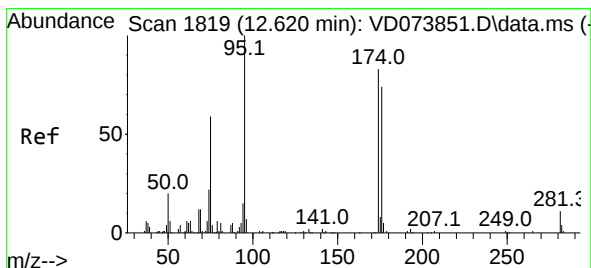
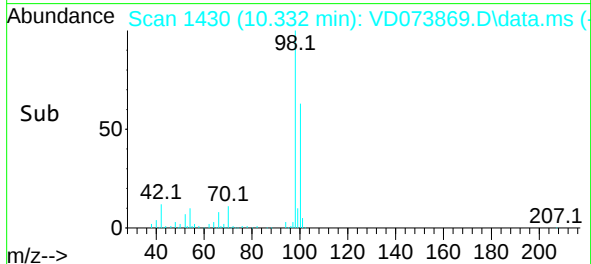
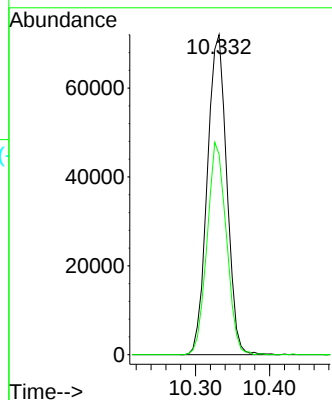
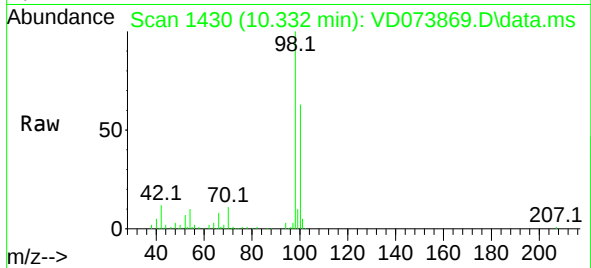




#50
Toluene-d8
Concen: 47.810 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

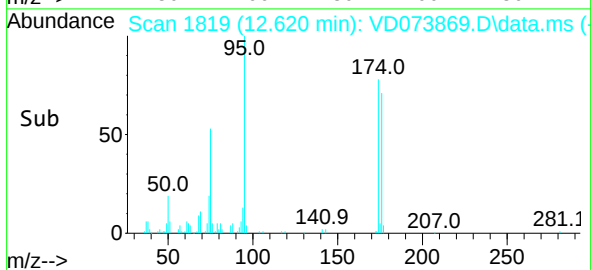
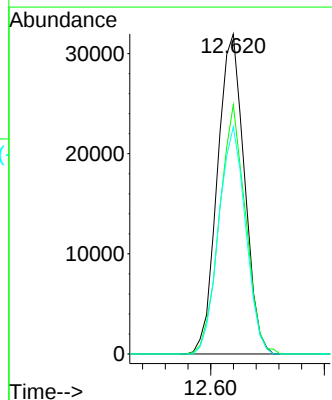
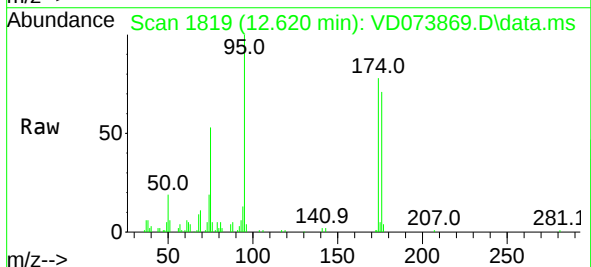
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

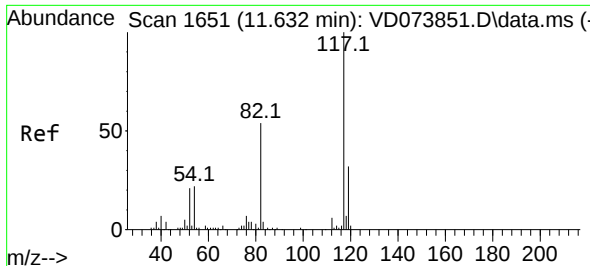
Tgt Ion: 98 Resp: 131410
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 55.778 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

Tgt Ion: 95 Resp: 52711
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.8
176 70.9 0.0 145.4

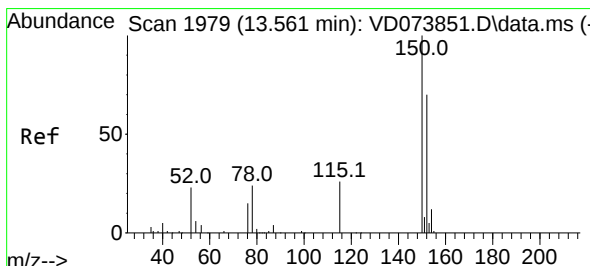
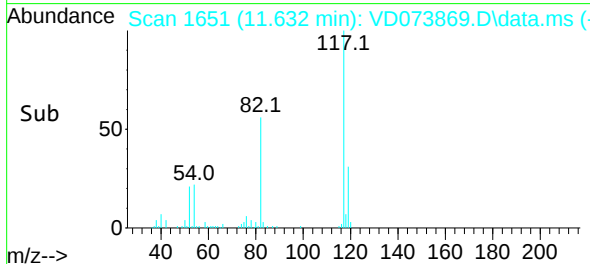
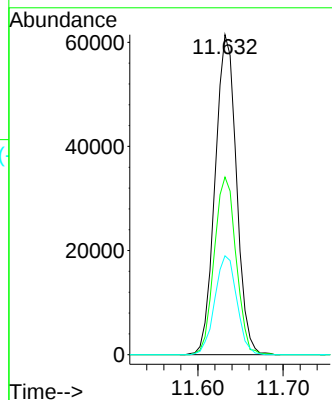
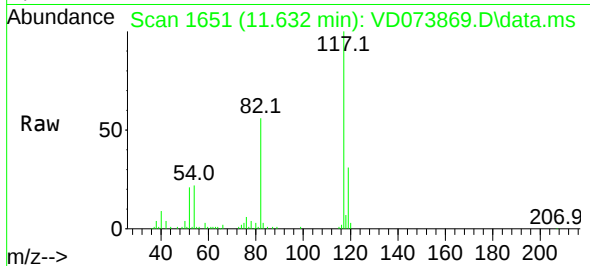




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

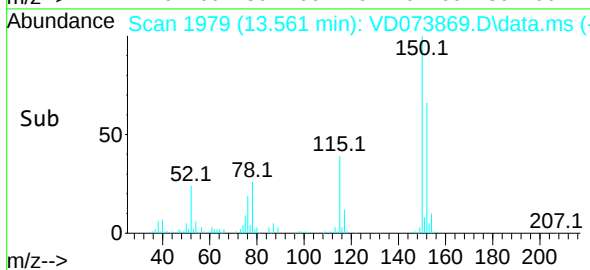
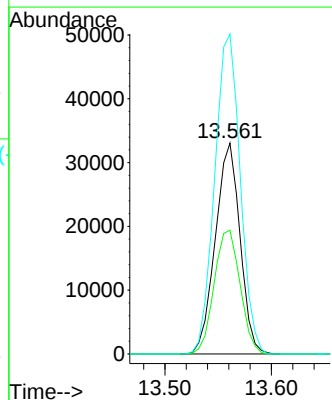
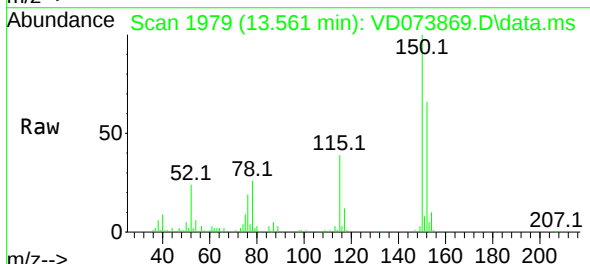
Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

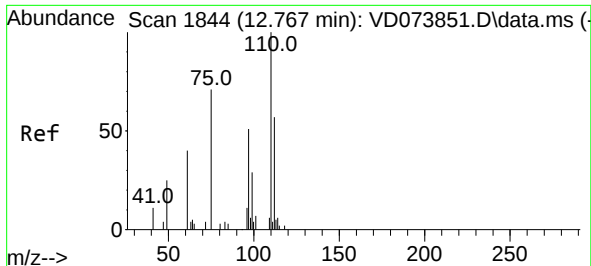
Tgt Ion:117 Resp: 106957
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 30.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

Tgt Ion:152 Resp: 53192
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.8
150 156.9 0.0 348.6

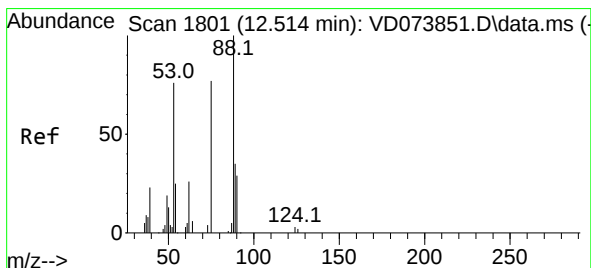
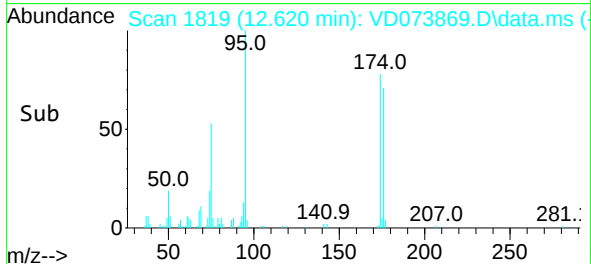
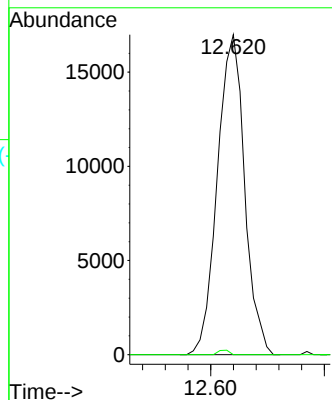
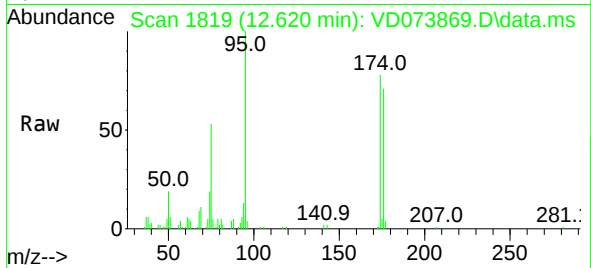




#76
1,2,3-Trichloropropane
Concen: 49.523 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

Instrument :
MSVOA_D
ClientSampleId :
SB-04-6.5-7.0

Tgt Ion: 75 Resp: 28264
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.634 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073869.D
Acq: 19 Jul 2022 19:13

Tgt Ion: 75 Resp: 28264
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

