

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080222\
 Data File : VD073925.D
 Acq On : 02 Aug 2022 14:28
 Operator : VA/SY
 Sample : N3996-01
 Misc : 5.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CS

Quant Time: Aug 03 04:12:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

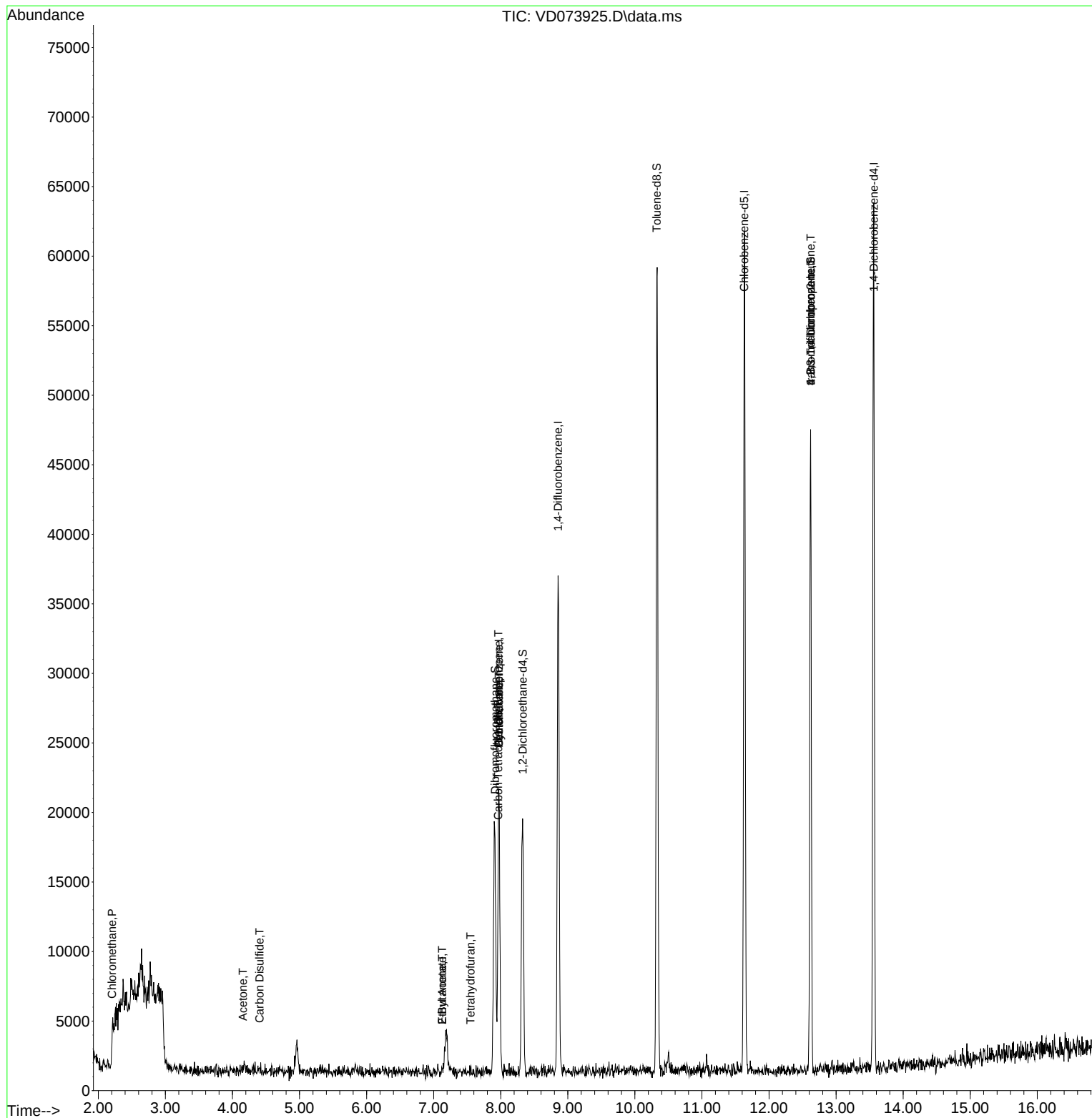
Internal Standards						
1) Pentafluorobenzene	7.973	168	14518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	30537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	34362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	16379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	14889	132.238	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 264.480%#	
35) Dibromofluoromethane	7.914	113	12194	64.270	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.540%	
50) Toluene-d8	10.326	98	37150	58.128	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.260%	
62) 4-Bromofluorobenzene	12.620	95	15404	65.542	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 131.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	493	2.673	ug/l #	73
16) Acetone	4.156	43	699	31.864	ug/l #	46
17) Carbon Disulfide	4.403	76	74	1.949	ug/l #	75
18) Methyl Acetate	4.720	43	54	Below Cal	#	48
20) Methylene Chloride	4.973	84	1555	Below Cal	#	60
25) 2-Butanone	7.126	43	117	3.302	ug/l #	46
29) Tetrahydrofuran	7.550	42	166	8.018	ug/l #	30
31) Cyclohexane	7.973	56	360	1.601	ug/l #	19
36) 1,1-Dichloropropene	7.967	75	1405	5.199	ug/l #	41
37) Ethyl Acetate	7.126	43	117	1.163	ug/l #	66
38) Carbon Tetrachloride	7.961	117	1594	5.266	ug/l #	11
76) 1,2,3-Trichloropropane	12.620	75	7671	62.903	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	7671	134.366	ug/l #	13

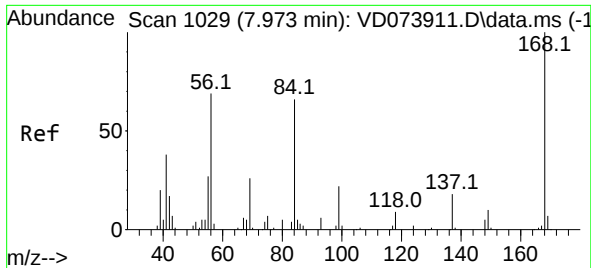
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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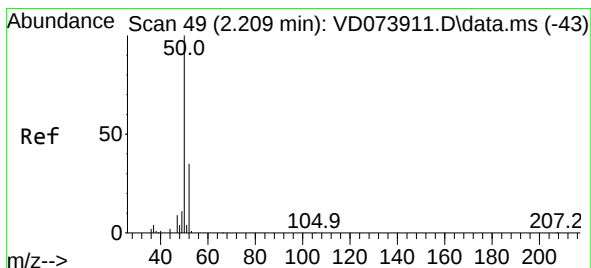
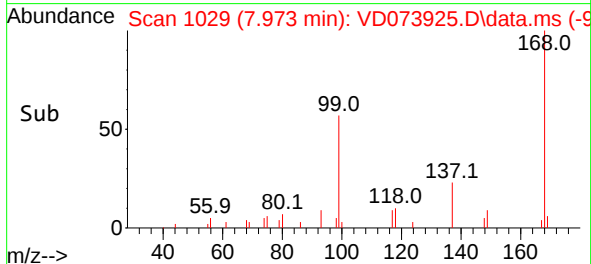
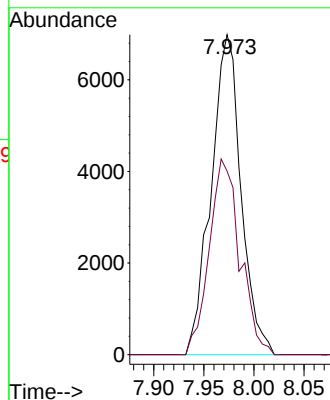
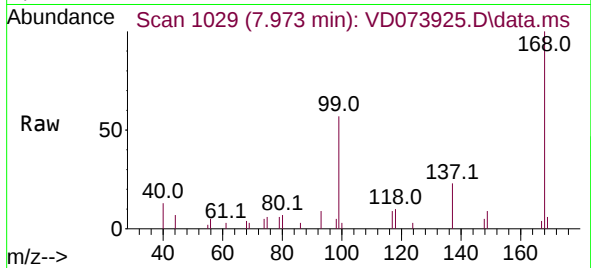




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

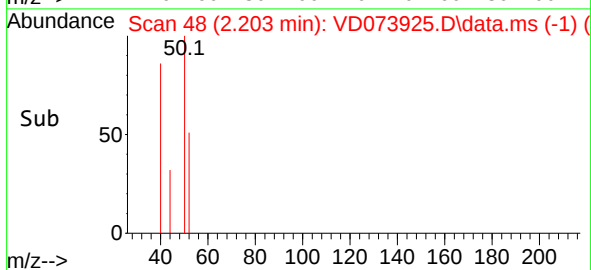
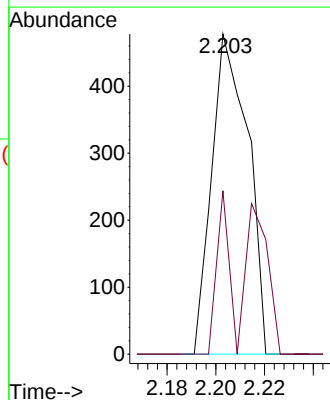
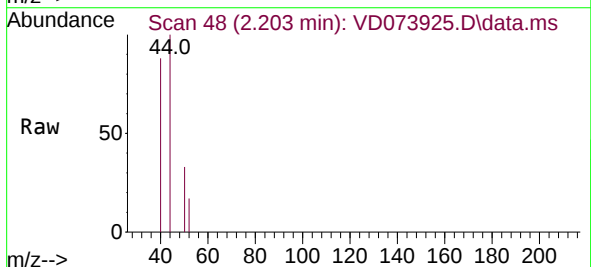
Instrument :
MSVOA_D
ClientSampleId :
MH-CS

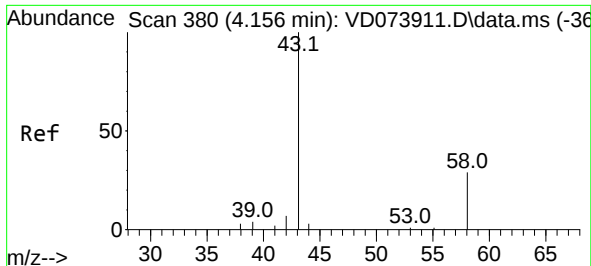
Tgt Ion:168 Resp: 14518
Ion Ratio Lower Upper
168 100
99 57.3 52.2 78.4



#3
Chloromethane
Concen: 2.673 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

Tgt Ion: 50 Resp: 493
Ion Ratio Lower Upper
50 100
52 51.0 28.2 42.2#





#16

Acetone

Concen: 31.864 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD073925.D

Acq: 02 Aug 2022 14:28

Instrument :

MSVOA_D

ClientSampleId :

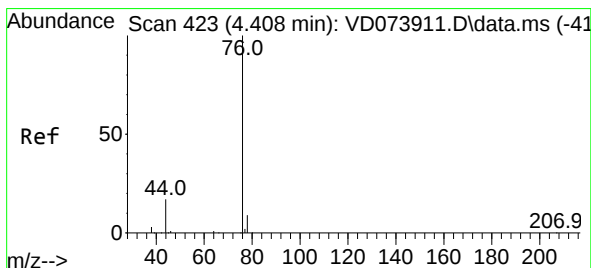
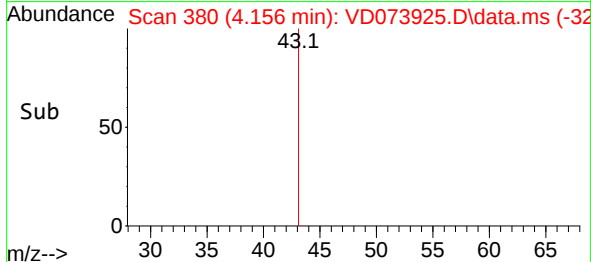
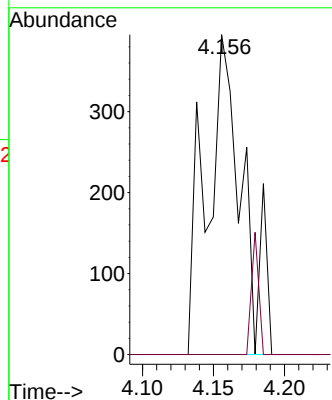
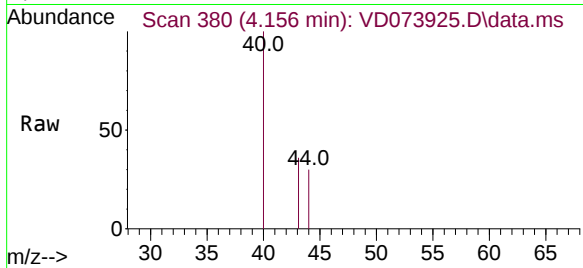
MH-CS

Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#



#17

Carbon Disulfide

Concen: 1.949 ug/l

RT: 4.403 min Scan# 422

Delta R.T. -0.005 min

Lab File: VD073925.D

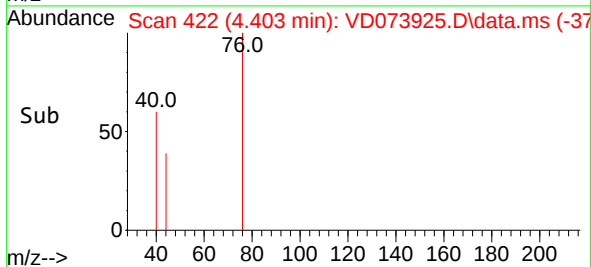
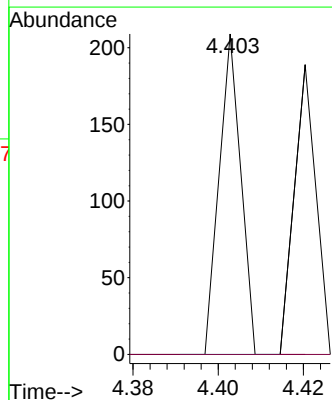
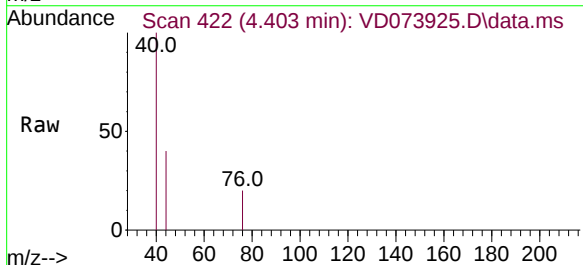
Acq: 02 Aug 2022 14:28

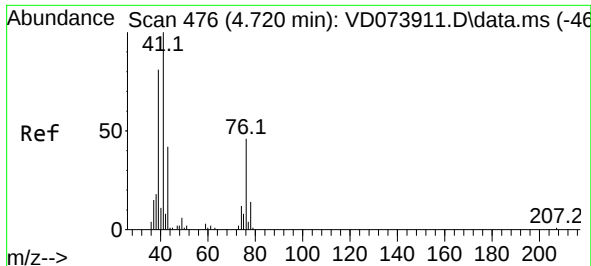
Tgt Ion: 76 Resp: 74

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

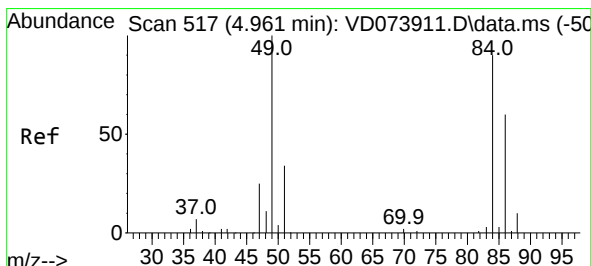
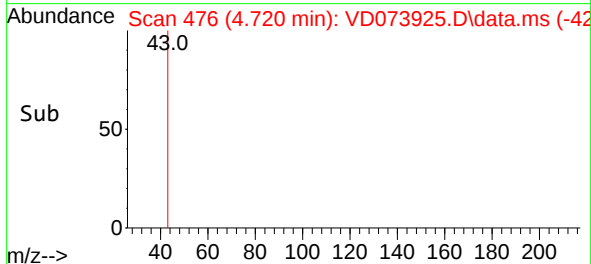
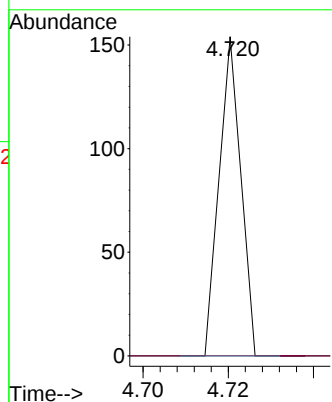
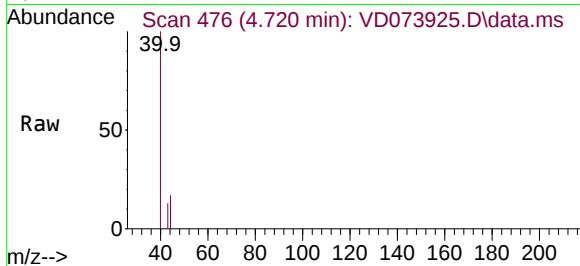




#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

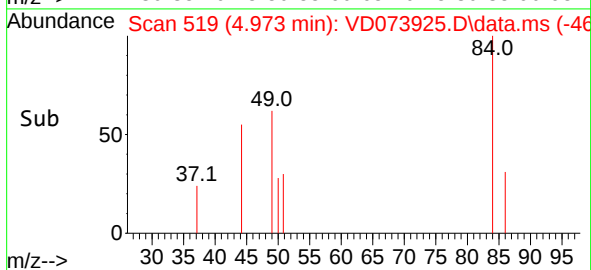
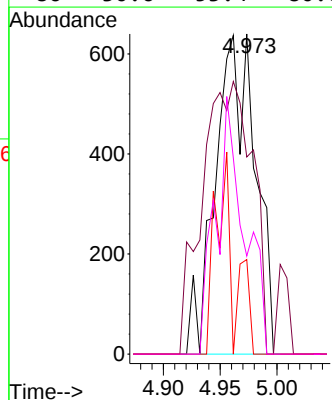
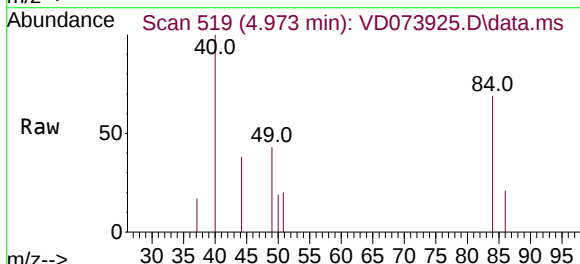
Instrument :
MSVOA_D
ClientSampleId :
MH-CS

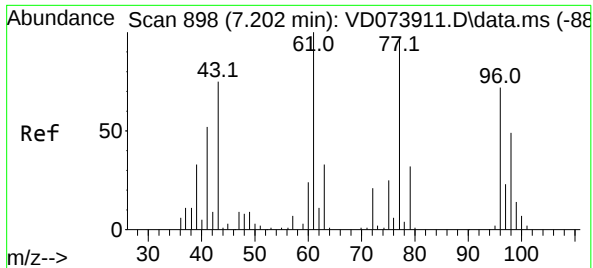
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.012 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

Tgt Ion: 84 Resp: 1555
Ion Ratio Lower Upper
84 100
49 61.6 89.1 133.7#
51 29.5 29.8 44.8#
86 30.6 53.4 80.0#





#25

2-Butanone

Concen: 3.302 ug/l

RT: 7.126 min Scan# 81

Delta R.T. -0.076 min

Lab File: VD073925.D

Acq: 02 Aug 2022 14:28

Instrument :

MSVOA_D

ClientSampleId :

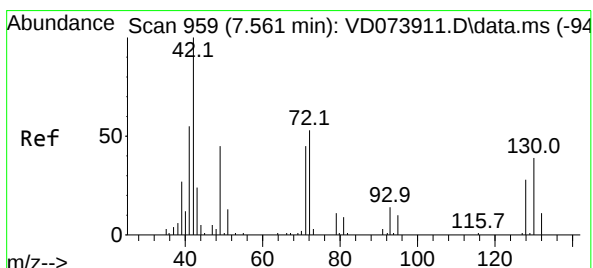
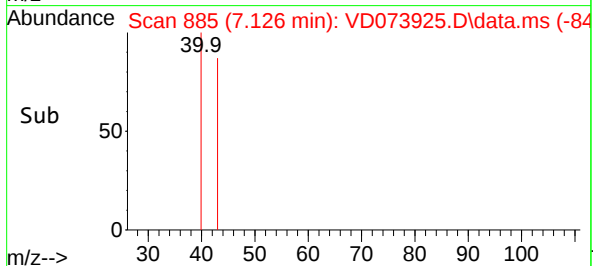
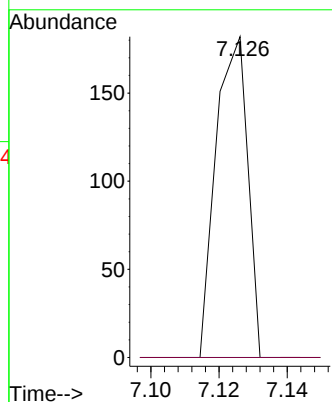
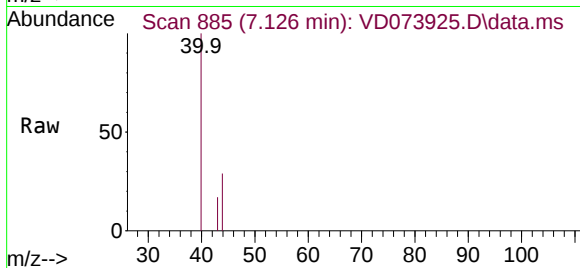
MH-CS

Tgt Ion: 43 Resp: 117

Ion Ratio Lower Upper

43 100

72 0.0 22.7 34.1#



#29

Tetrahydrofuran

Concen: 8.018 ug/l

RT: 7.550 min Scan# 957

Delta R.T. -0.012 min

Lab File: VD073925.D

Acq: 02 Aug 2022 14:28

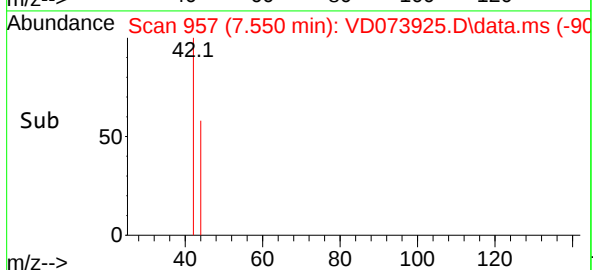
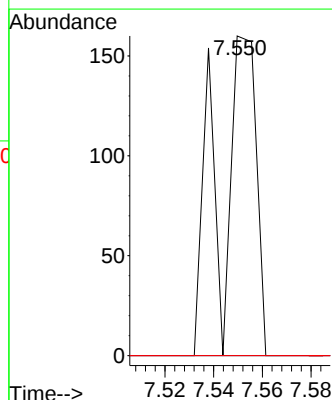
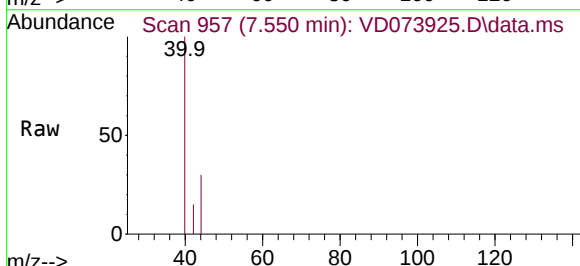
Tgt Ion: 42 Resp: 166

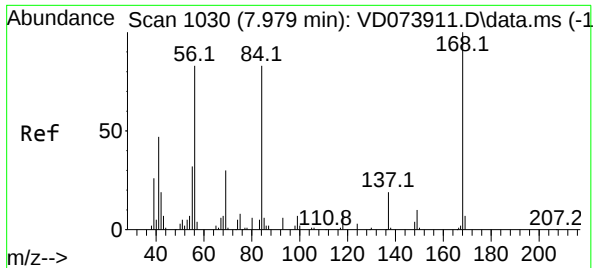
Ion Ratio Lower Upper

42 100

72 0.0 39.0 58.4#

71 0.0 35.7 53.5#

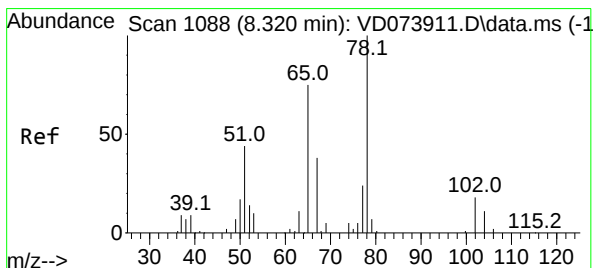
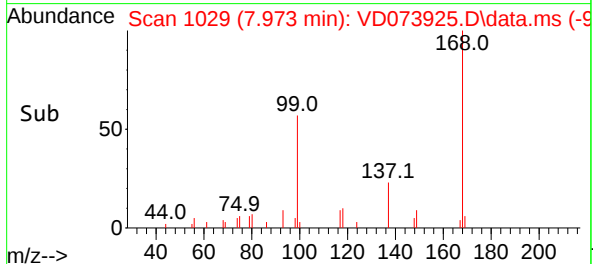
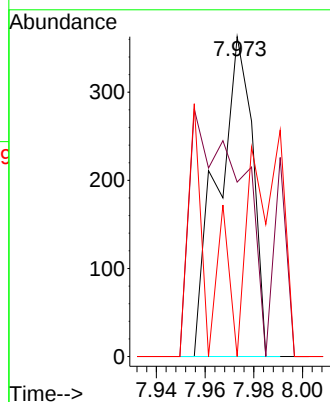
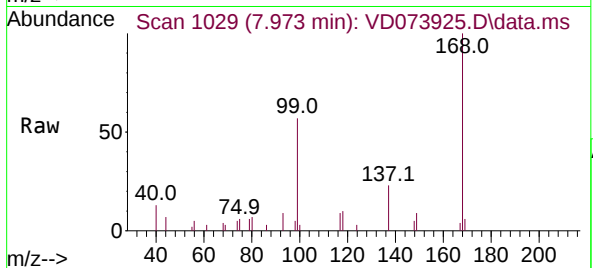




#31
Cyclohexane
Concen: 1.601 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

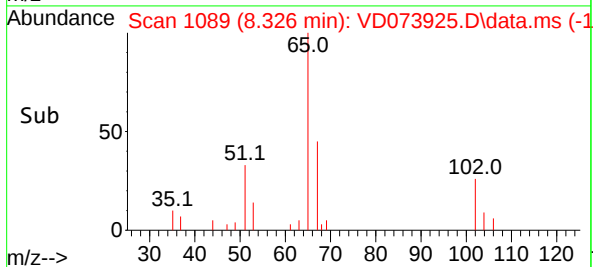
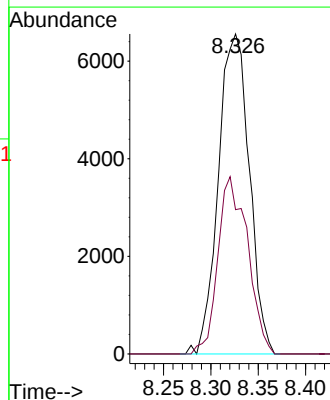
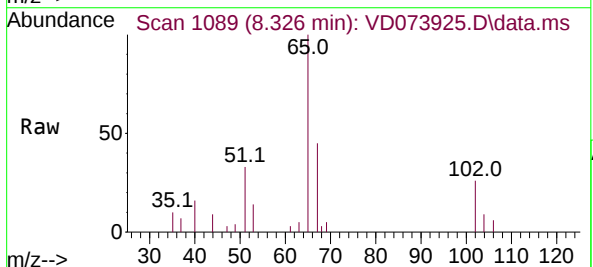
Instrument :
MSVOA_D
ClientSampleId :
MH-CS

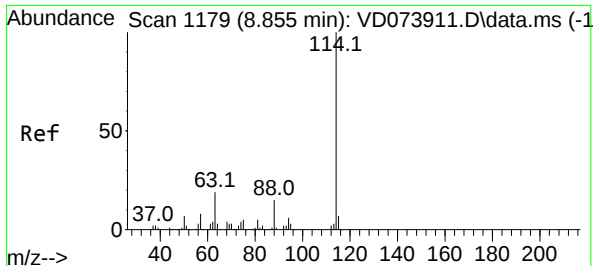
Tgt Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
69 54.5 29.2 43.8#
84 0.0 80.0 120.0#



#33
1,2-Dichloroethane-d4
Concen: 132.238 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

Tgt Ion: 65 Resp: 14889
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073925.D

Acq: 02 Aug 2022 14:28

Instrument :

MSVOA_D

ClientSampleId :

MH-CS

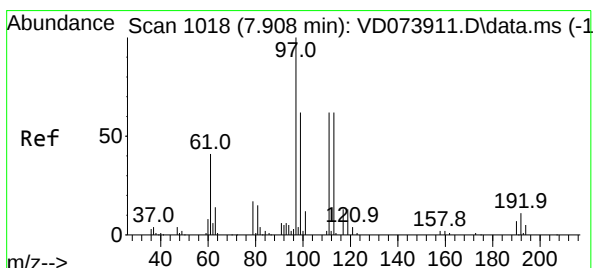
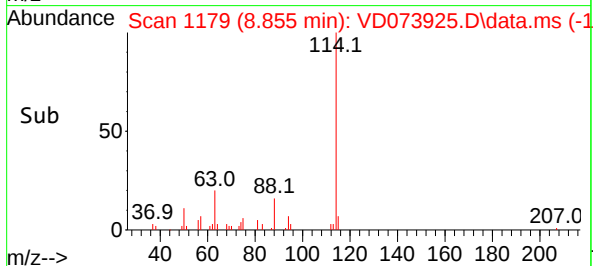
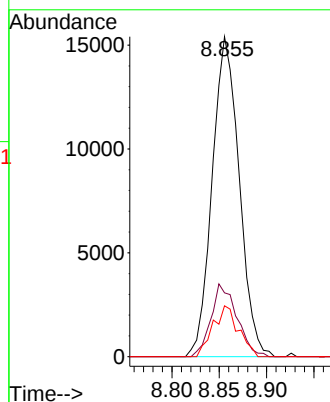
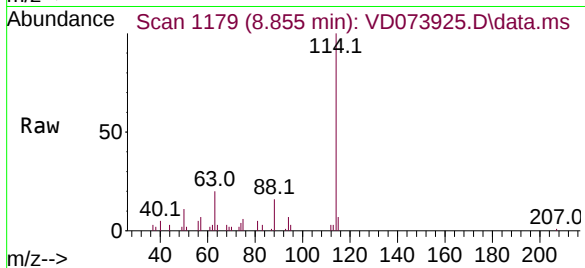
Tgt Ion:114 Resp: 30537

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.6

88 15.9 0.0 30.2



#35

Dibromofluoromethane

Concen: 64.270 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD073925.D

Acq: 02 Aug 2022 14:28

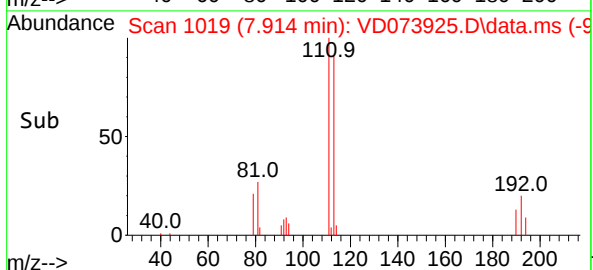
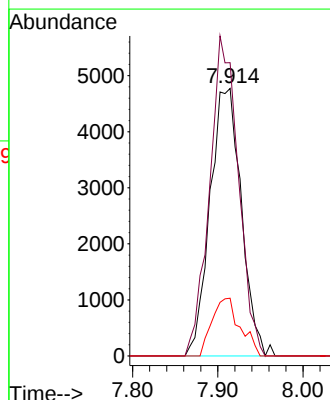
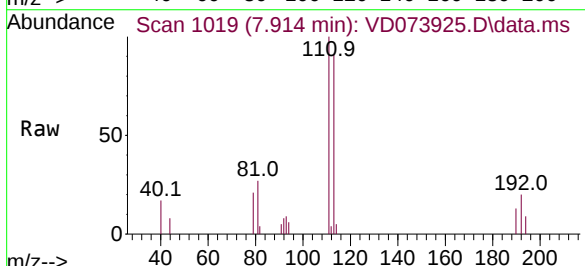
Tgt Ion:113 Resp: 12194

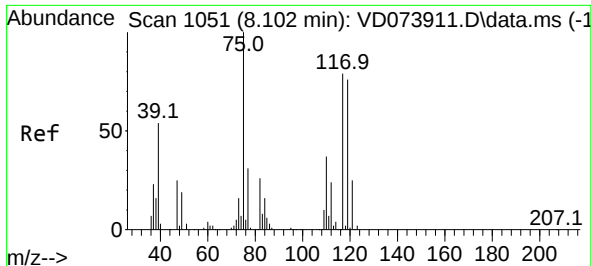
Ion Ratio Lower Upper

113 100

111 109.7 83.7 125.5

192 19.3 15.0 22.6





#36

1,1-Dichloropropene

Concen: 5.199 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073925.D

Acq: 02 Aug 2022 14:28

Instrument :

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ClientSampleId :

MH-CS

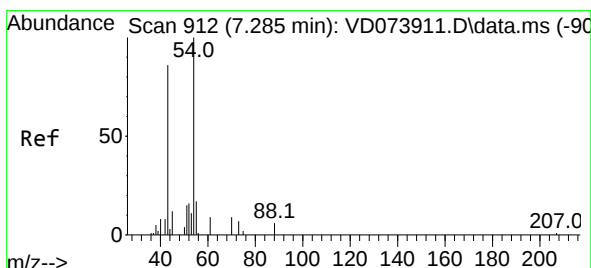
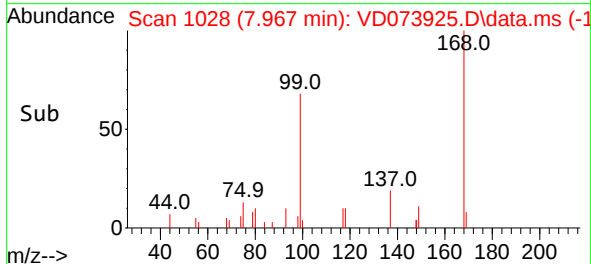
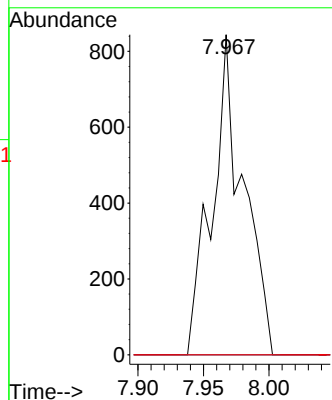
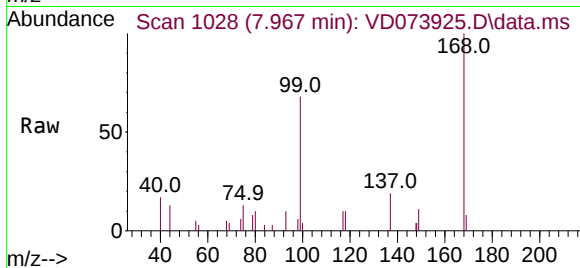
Tgt Ion: 75 Resp: 1405

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.163 ug/l

RT: 7.126 min Scan# 885

Delta R.T. -0.159 min

Lab File: VD073925.D

Acq: 02 Aug 2022 14:28

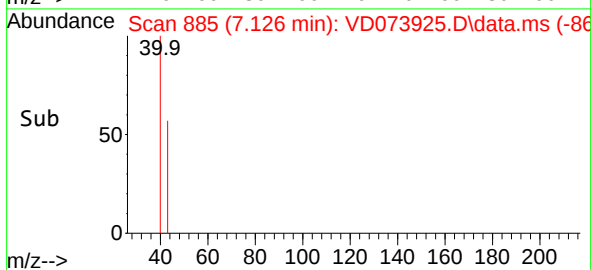
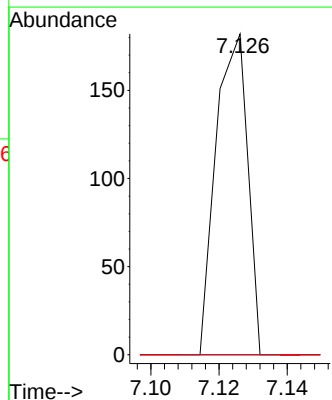
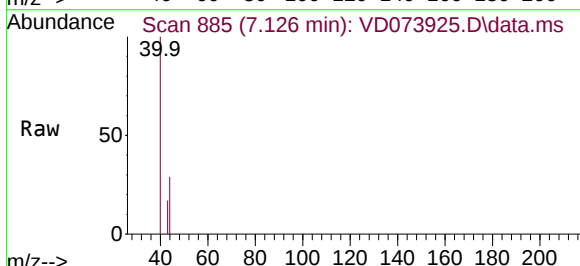
Tgt Ion: 43 Resp: 117

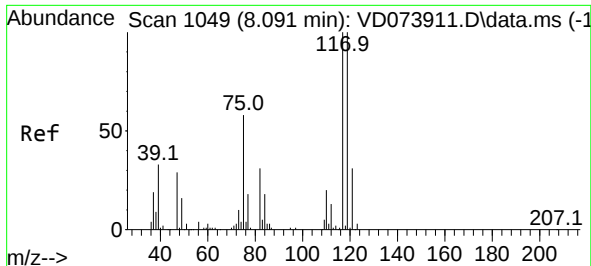
Ion Ratio Lower Upper

43 100

61 0.0 12.7 19.1#

70 0.0 9.4 14.0#

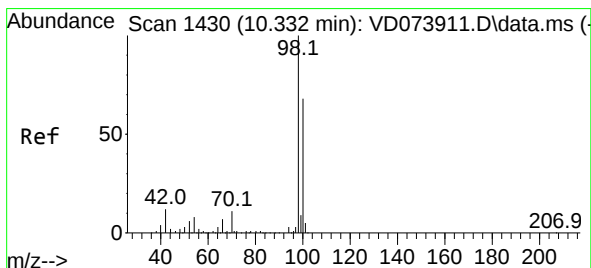
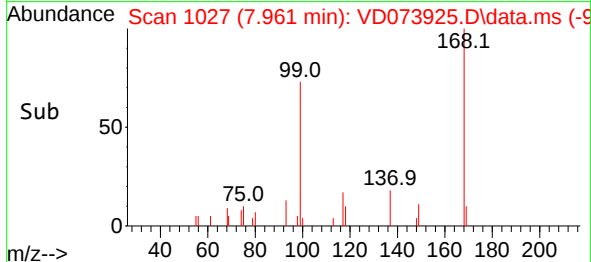
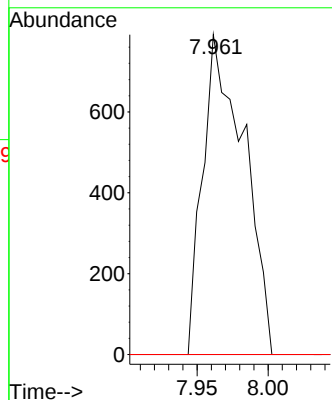
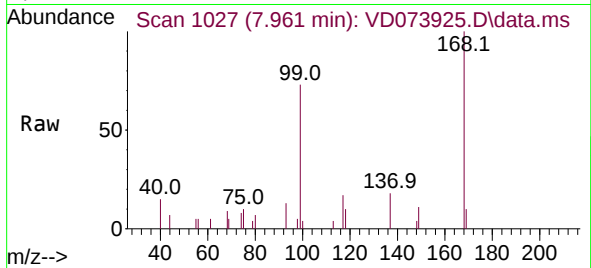




#38
Carbon Tetrachloride
Concen: 5.266 ug/l
RT: 7.961 min Scan# 1049
Delta R.T. -0.129 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

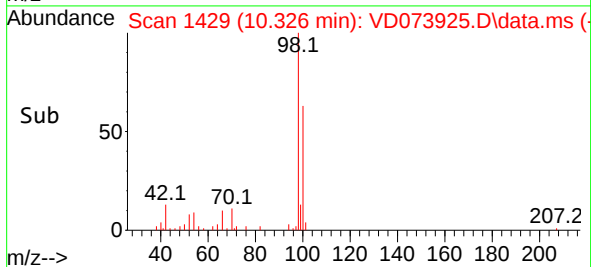
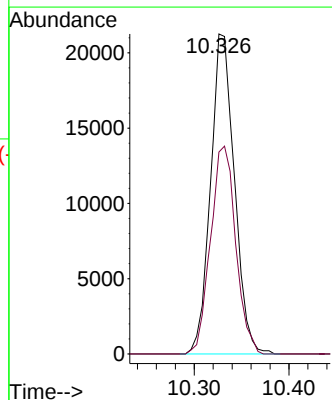
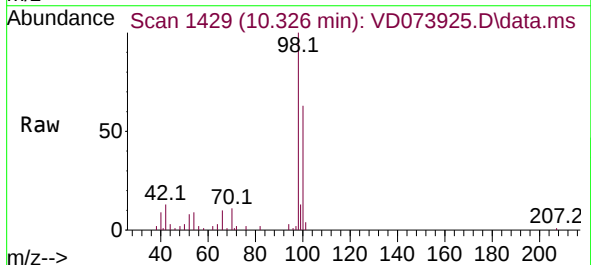
Instrument :
MSVOA_D
ClientSampleId :
MH-CS

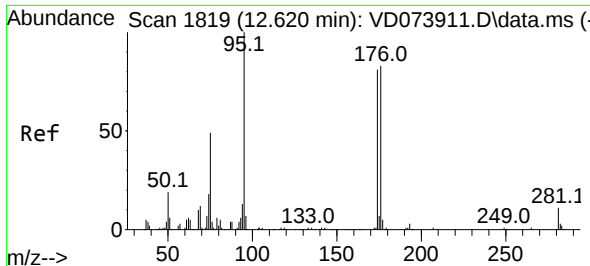
Tgt Ion:117 Resp: 1594
Ion Ratio Lower Upper
117 100
119 0.0 79.6 119.4#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 58.128 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

Tgt Ion: 98 Resp: 37150
Ion Ratio Lower Upper
98 100
100 68.7 53.1 79.7

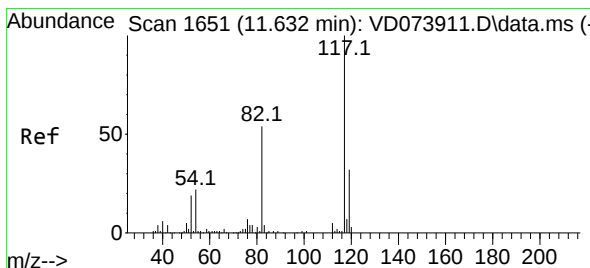
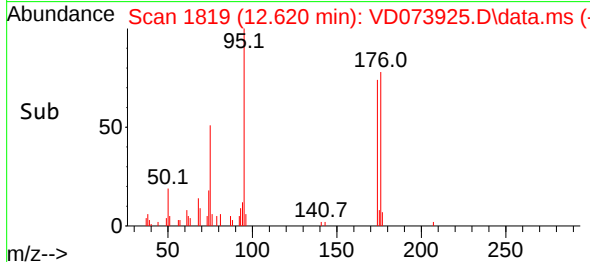
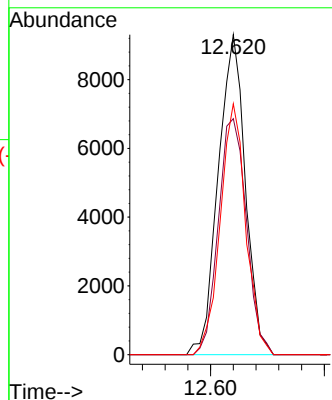
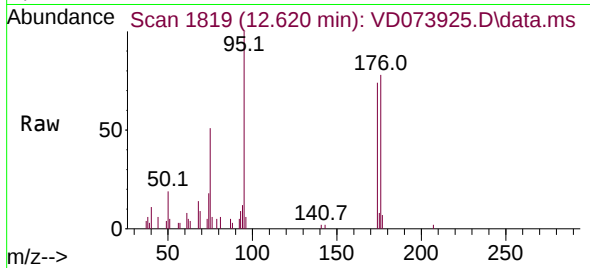




#62
4-Bromofluorobenzene
Concen: 65.542 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

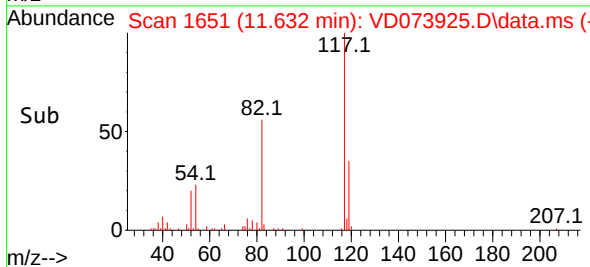
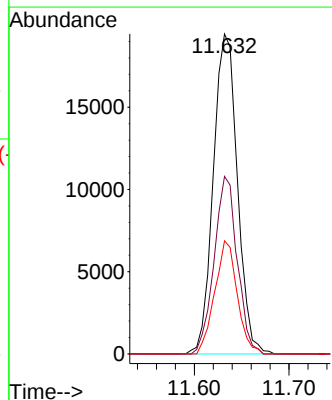
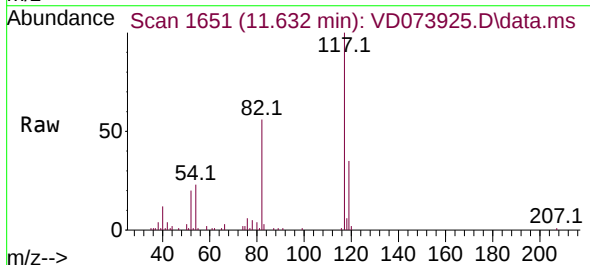
Instrument :
MSVOA_D
ClientSampleId :
MH-CS

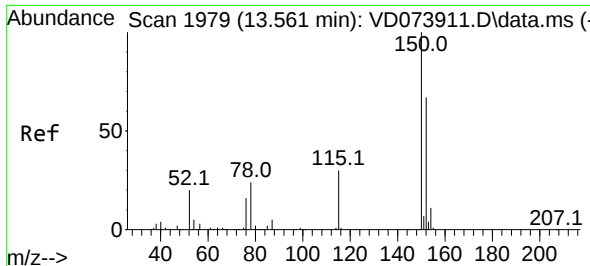
Tgt Ion: 95 Resp: 15404
Ion Ratio Lower Upper
95 100
174 76.6 0.0 164.2
176 73.8 0.0 161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073925.D
Acq: 02 Aug 2022 14:28

Tgt Ion: 117 Resp: 34362
Ion Ratio Lower Upper
117 100
82 55.5 43.3 64.9
119 35.4 25.8 38.8

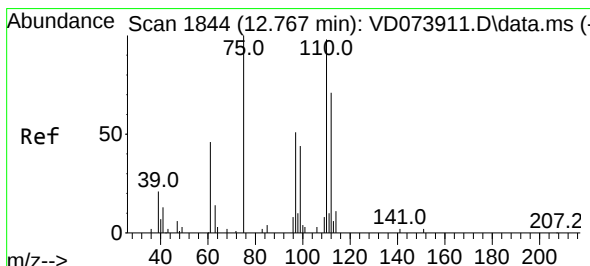
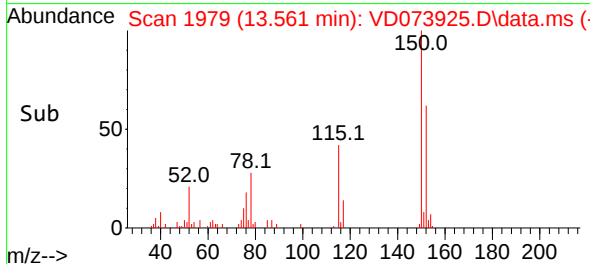
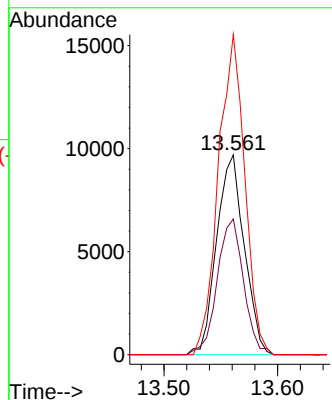
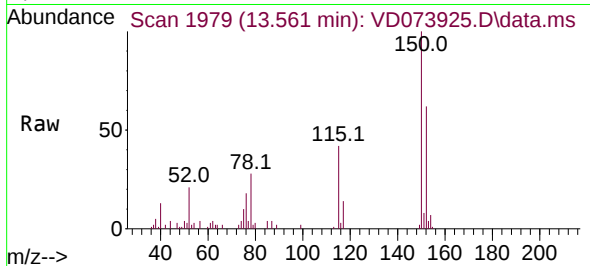




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073925.D
 Acq: 02 Aug 2022 14:28

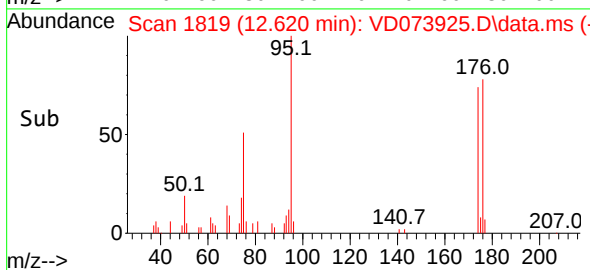
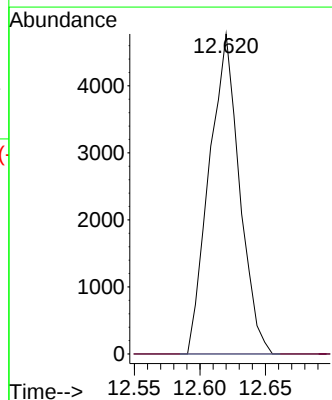
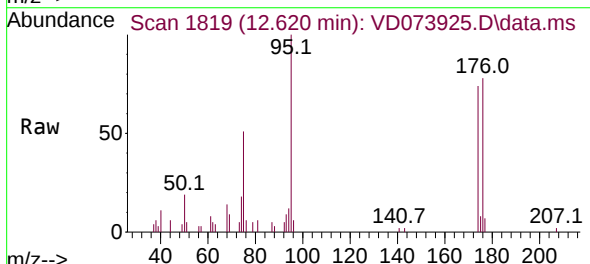
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CS

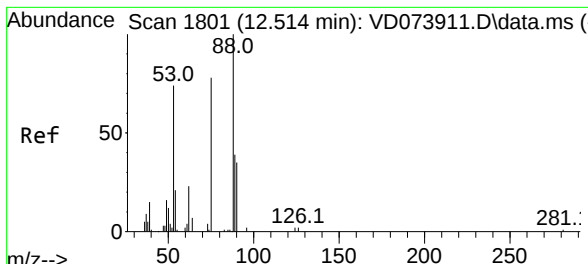
Tgt Ion:152 Resp: 16379
 Ion Ratio Lower Upper
 152 100
 115 64.8 29.1 87.3
 150 153.4 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 62.903 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073925.D
 Acq: 02 Aug 2022 14:28

Tgt Ion: 75 Resp: 7671
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.366 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073925.D
 Acq: 02 Aug 2022 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CS

Tgt Ion:	75	Resp:	7671
Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.6	107.4#
89	0.0	39.8	59.6#

