

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073893.D
 Acq On : 21 Jul 2022 13:26
 Operator : VA/SY
 Sample : N3810-01
 Misc : 5.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

Quant Time: Jul 22 01:18:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

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

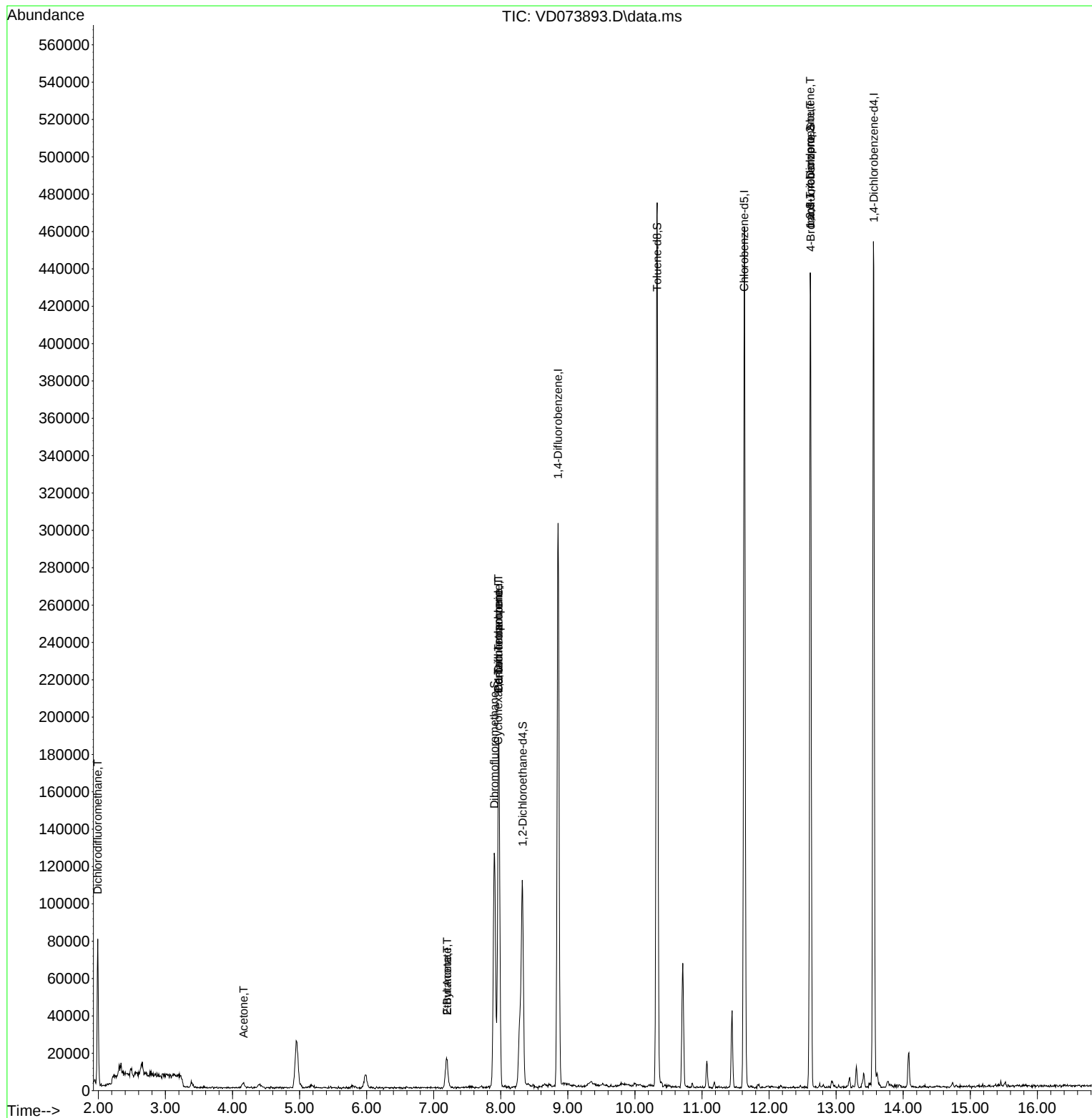
Internal Standards						
1) Pentafluorobenzene	7.967	168	134275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	260333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	249818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	116464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	83868	52.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.620%	
35) Dibromofluoromethane	7.903	113	90620	49.341	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.680%	
50) Toluene-d8	10.332	98	324491	48.669	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.340%	
62) 4-Bromofluorobenzene	12.620	95	113552	49.535	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	53655	43.510	ug/l	97
3) Chloromethane	2.203	50	1578	Below Cal	#	85
11) Tert butyl alcohol	5.250	59	168	Below Cal	#	7
16) Acetone	4.167	43	5398	20.517	ug/l	94
18) Methyl Acetate	4.726	43	173	Below Cal	#	55
20) Methylene Chloride	4.950	84	19157	Below Cal	#	79
25) 2-Butanone	7.203	43	2557	6.847	ug/l	94
31) Cyclohexane	7.961	56	3783	1.485	ug/l #	49
36) 1,1-Dichloropropene	7.967	75	11035	4.165	ug/l #	53
37) Ethyl Acetate	7.203	43	2557	2.684	ug/l #	48
38) Carbon Tetrachloride	7.967	117	14681	4.852	ug/l #	16
76) 1,2,3-Trichloropropane	12.614	75	62351	49.896	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	62351	134.642	ug/l #	7

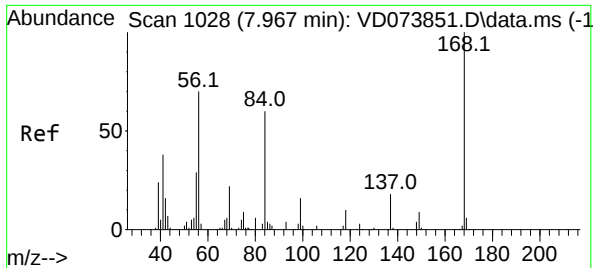
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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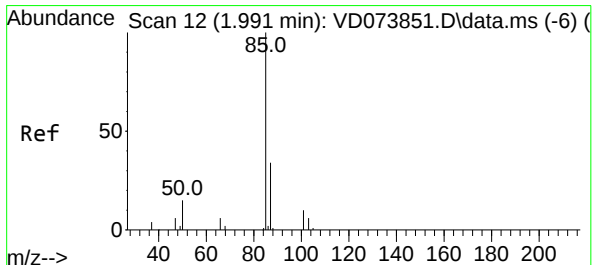
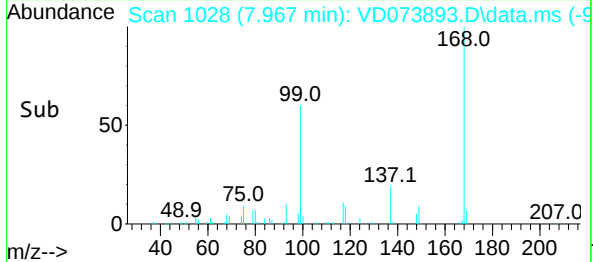
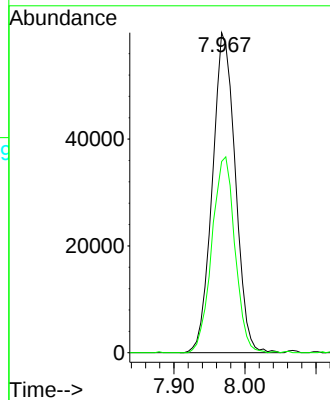
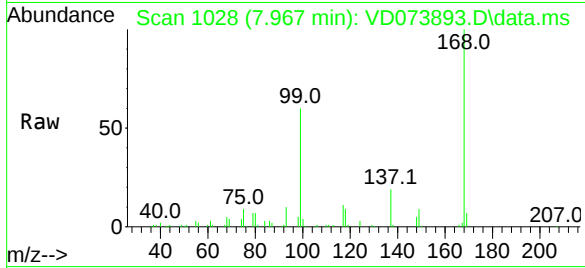




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

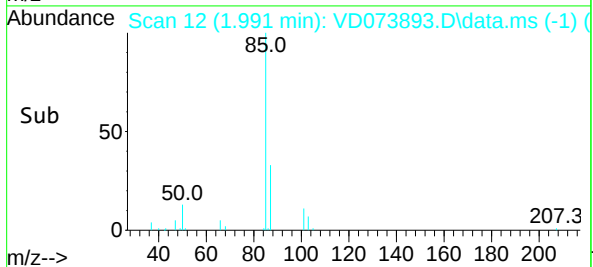
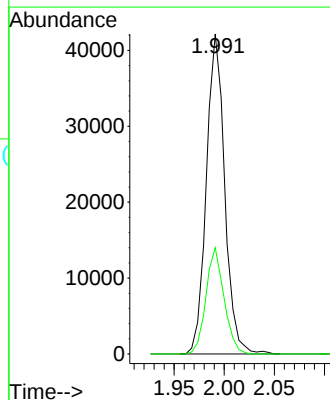
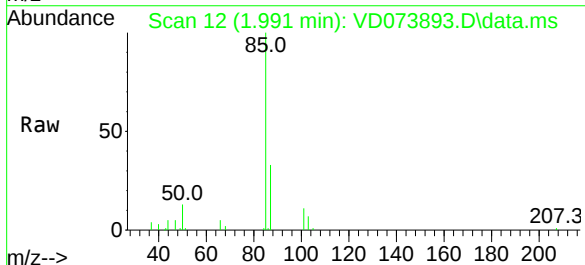
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

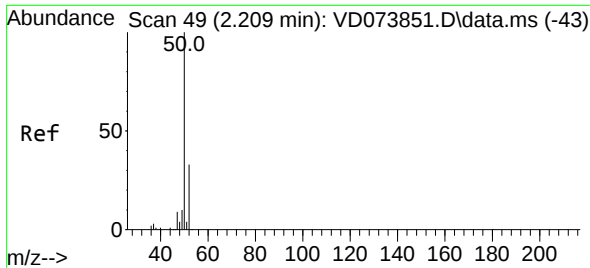
Tgt Ion:168 Resp: 134275
Ion Ratio Lower Upper
168 100
99 59.8 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 43.510 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

Tgt Ion: 85 Resp: 53655
Ion Ratio Lower Upper
85 100
87 33.2 15.7 47.0

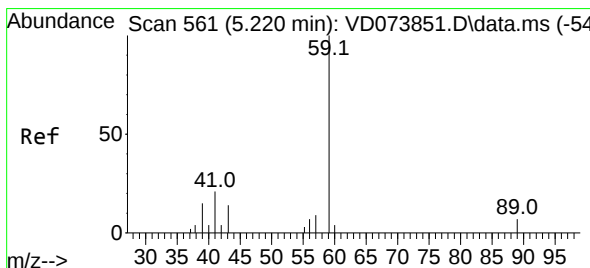
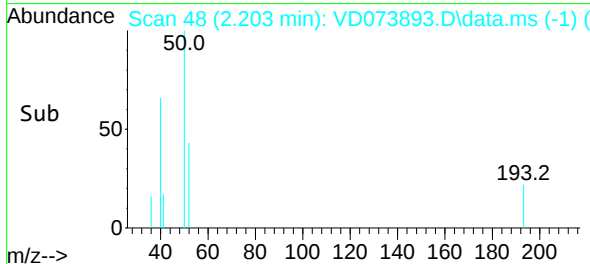
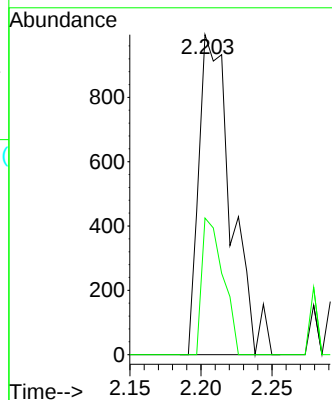
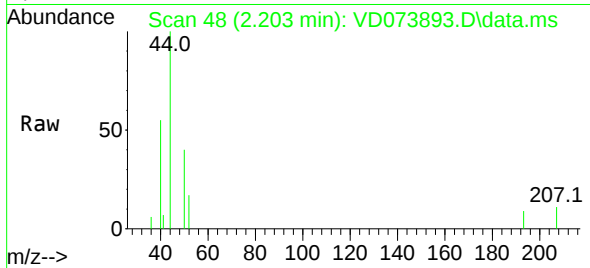




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

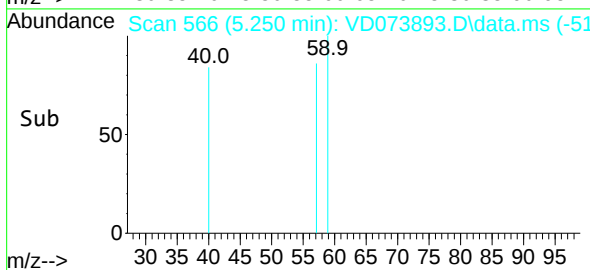
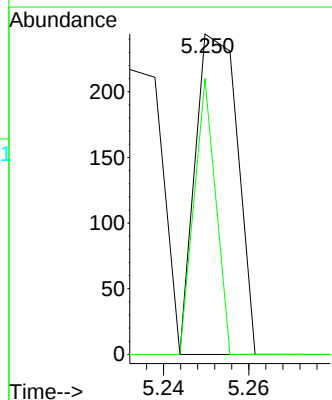
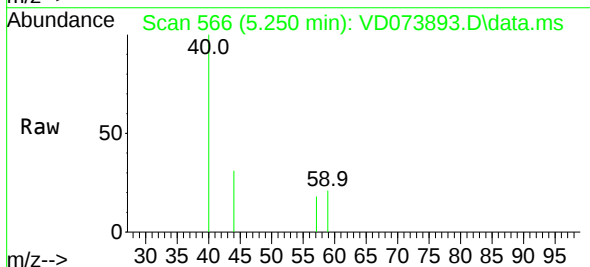
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

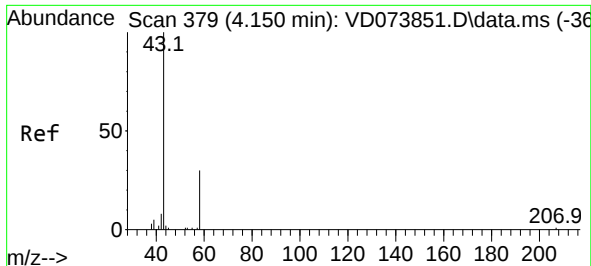
Tgt Ion: 50 Resp: 1578
Ion Ratio Lower Upper
50 100
52 42.7 27.4 41.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.250 min Scan# 566
Delta R.T. 0.030 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 44.0 7.8 11.6#

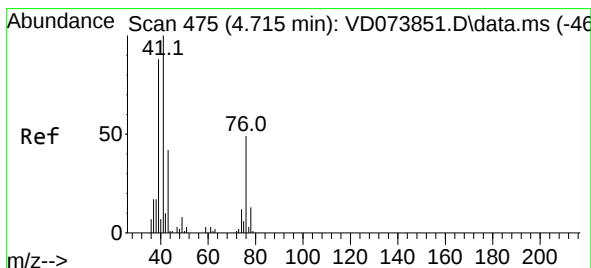
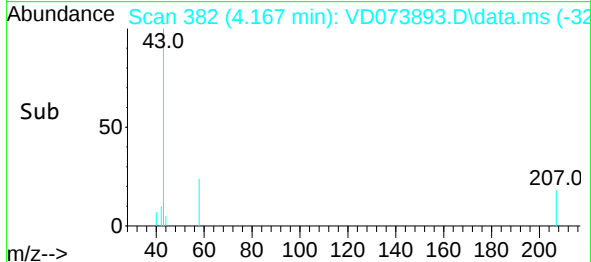
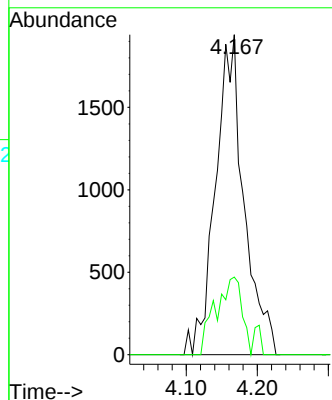
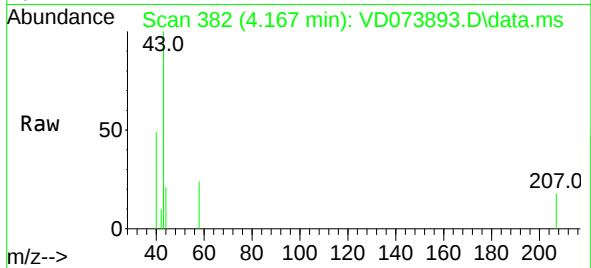




#16
Acetone
Concen: 20.517 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.018 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

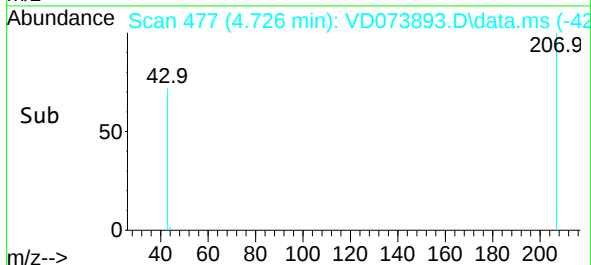
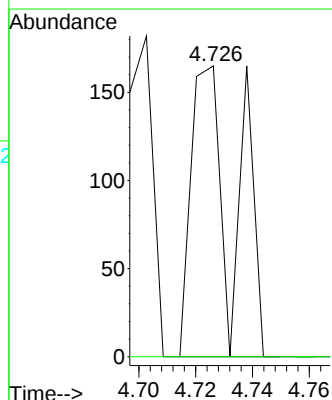
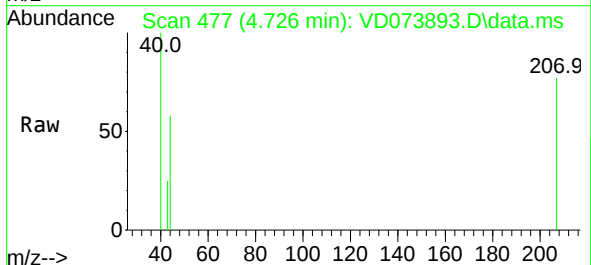
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

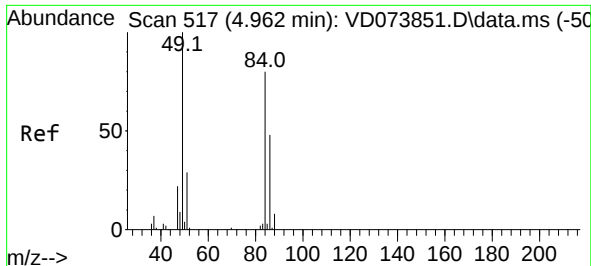
Tgt Ion: 43 Resp: 5398
Ion Ratio Lower Upper
43 100
58 24.3 22.1 33.1



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.011 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

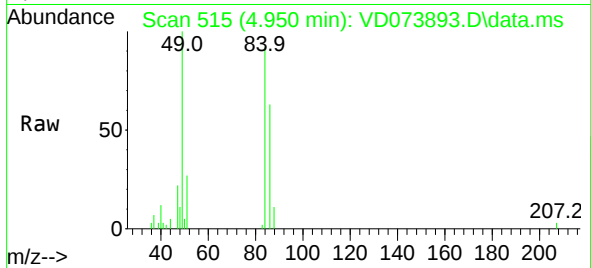
Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



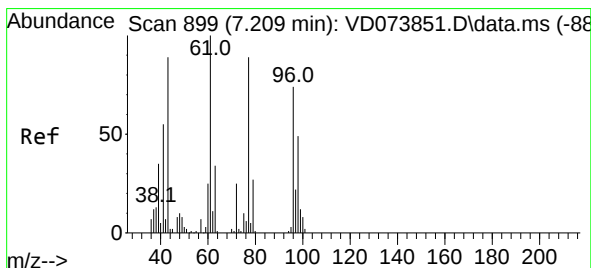
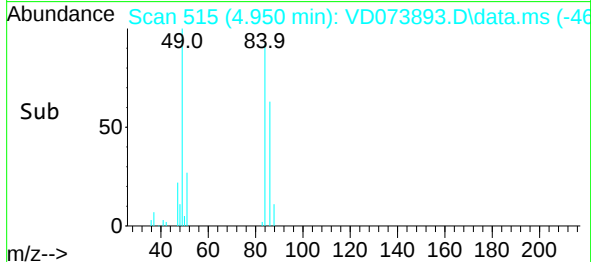
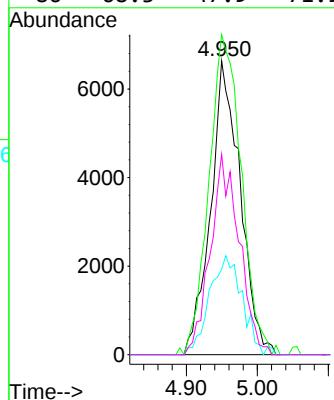


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

Instrument :
MSVOA_D
ClientSampleId :
COMP-1

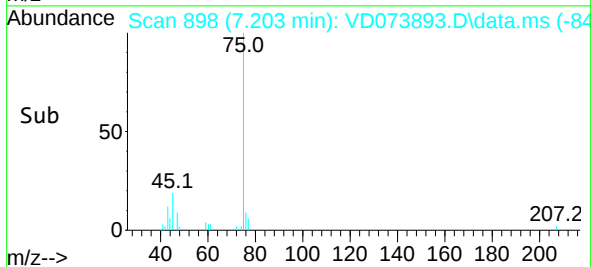
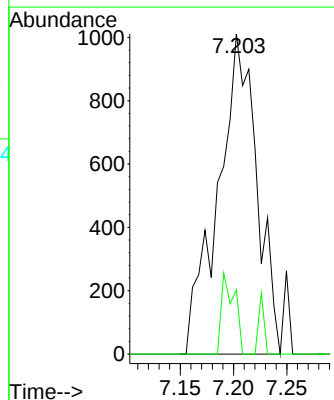
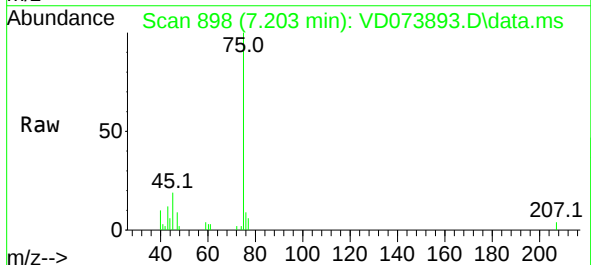


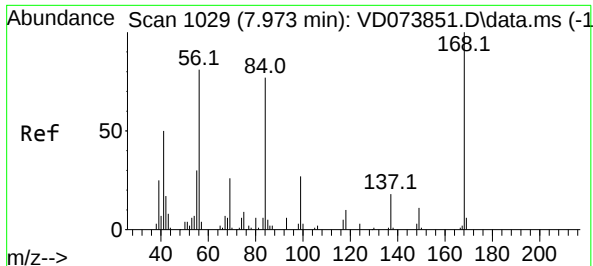
Tgt Ion: 84 Resp: 19157
Ion Ratio Lower Upper
84 100
49 109.0 112.8 169.2#
51 29.1 32.6 48.8#
86 68.3 47.9 71.9



#25
2-Butanone
Concen: 6.847 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

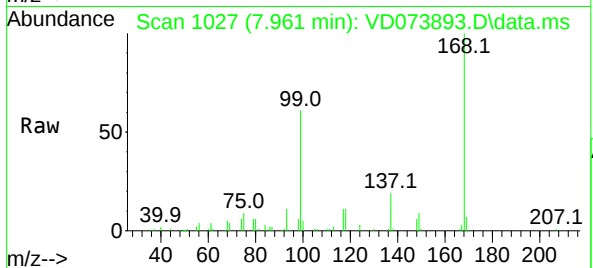
Tgt Ion: 43 Resp: 2557
Ion Ratio Lower Upper
43 100
72 20.1 18.6 27.8



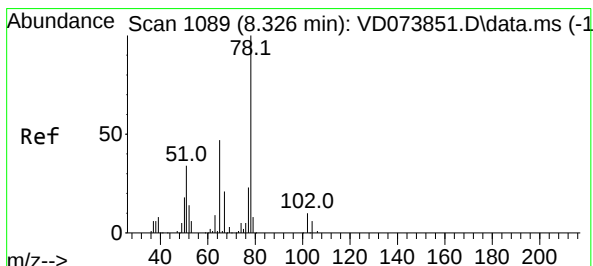
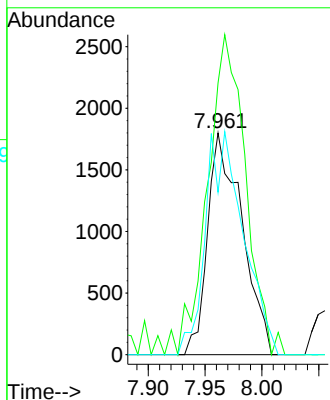
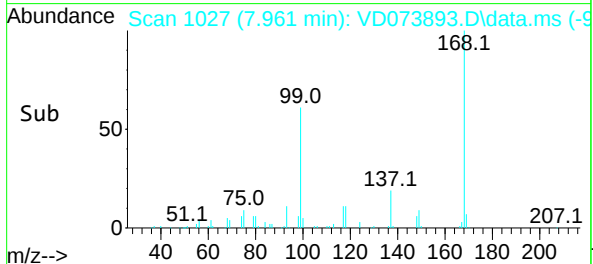


#31
Cyclohexane
Concen: 1.485 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.012 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

Instrument :
MSVOA_D
ClientSampleId :
COMP-1

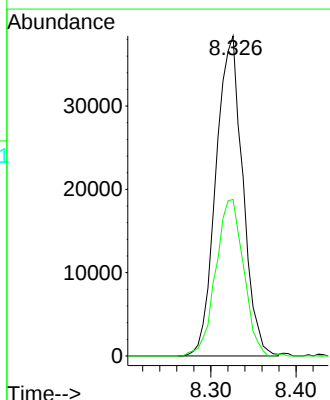
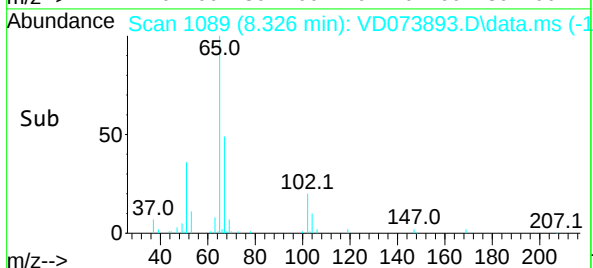
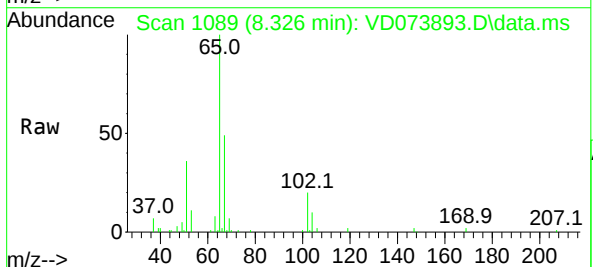


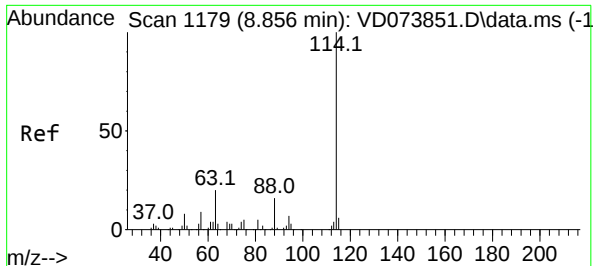
Tgt Ion: 56 Resp: 3783
Ion Ratio Lower Upper
56 100
69 122.6 25.4 38.2#
84 73.3 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 52.306 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

Tgt Ion: 65 Resp: 83868
Ion Ratio Lower Upper
65 100
67 50.6 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: VD073893.D

Acq: 21 Jul 2022 13:26

Instrument :

MSVOA_D

ClientSampleId :

COMP-1

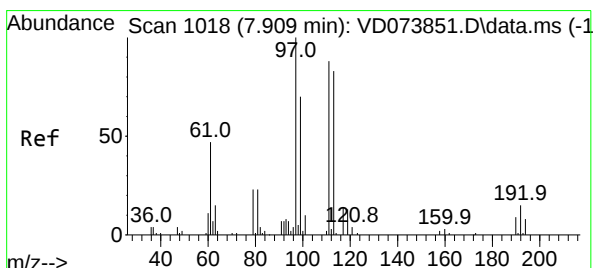
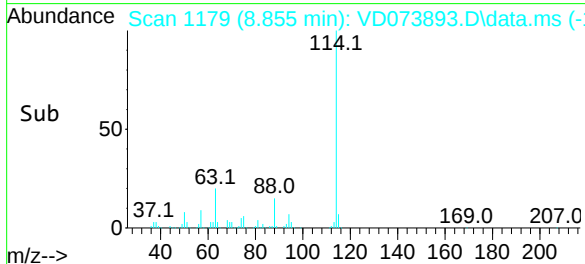
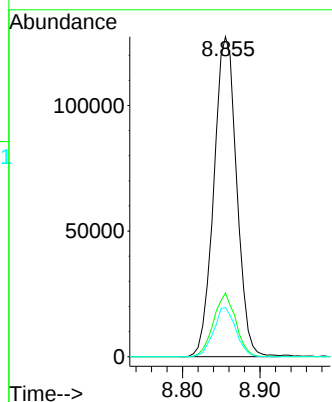
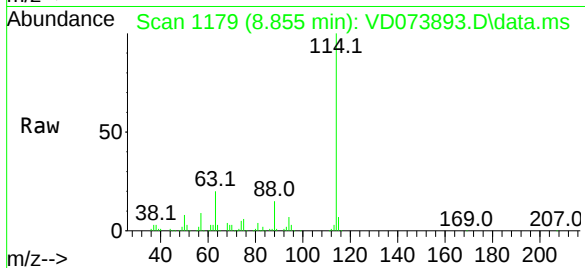
Tgt Ion:114 Resp: 260333

Ion Ratio Lower Upper

114 100

63 19.9 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.341 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073893.D

Acq: 21 Jul 2022 13:26

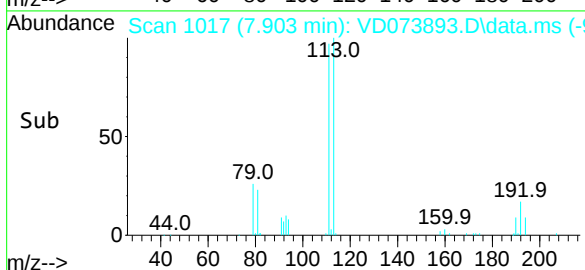
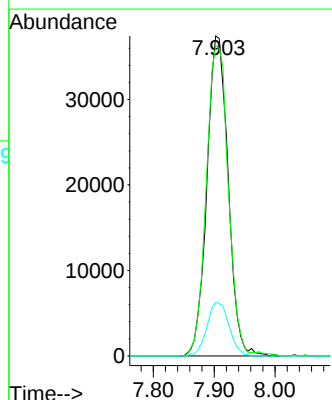
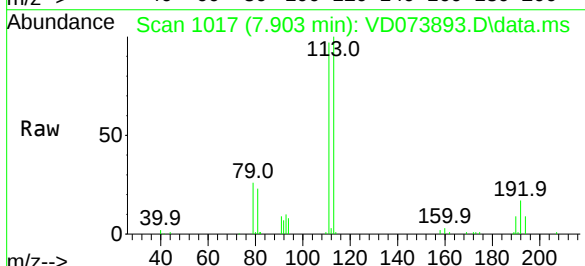
Tgt Ion:113 Resp: 90620

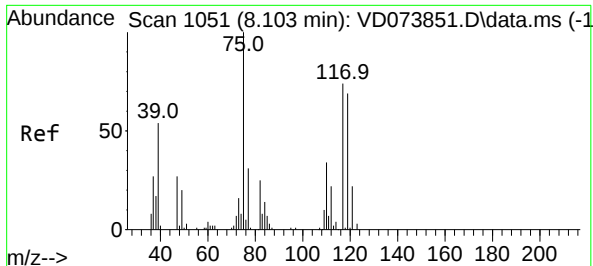
Ion Ratio Lower Upper

113 100

111 100.5 83.8 125.6

192 17.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.165 ug/l

RT: 7.967 min Scan# 11035

Delta R.T. -0.135 min

Lab File: VD073893.D

Acq: 21 Jul 2022 13:26

Instrument :

MSVOA_D

ClientSampleId :

COMP-1

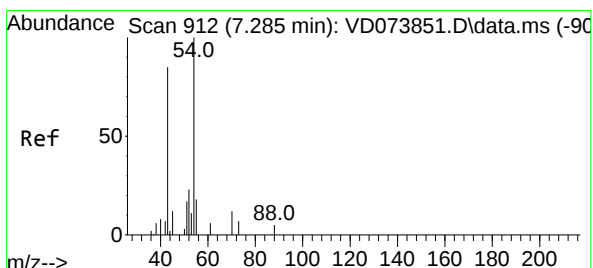
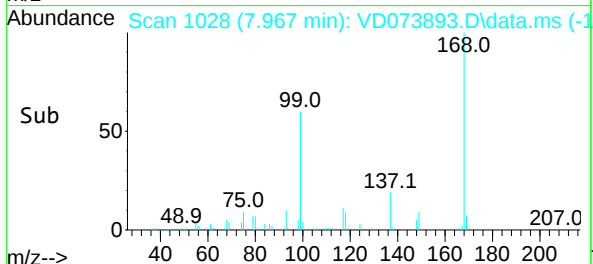
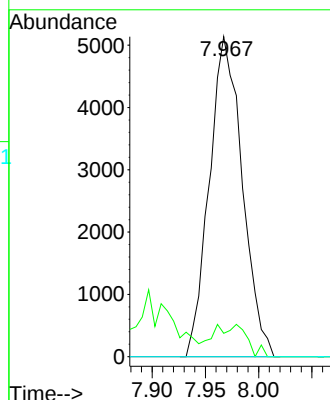
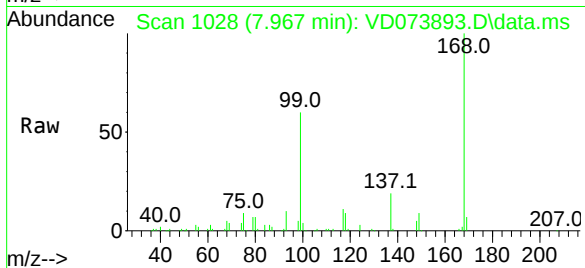
Tgt Ion: 75 Resp: 11035

Ion Ratio Lower Upper

75 100

110 10.5 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 2.684 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.082 min

Lab File: VD073893.D

Acq: 21 Jul 2022 13:26

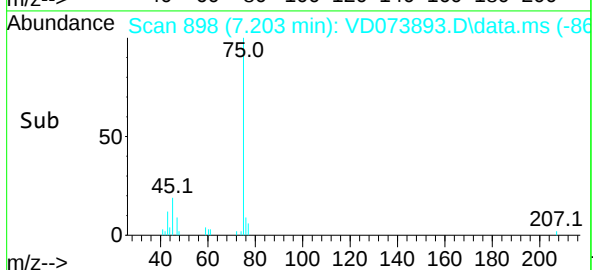
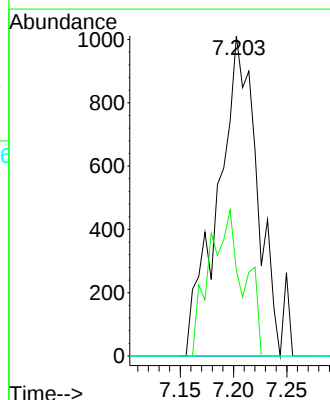
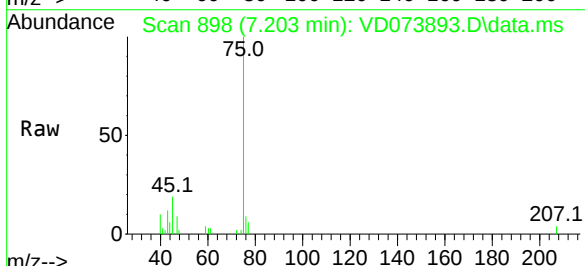
Tgt Ion: 43 Resp: 2557

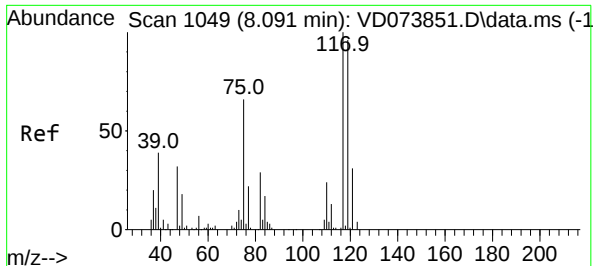
Ion Ratio Lower Upper

43 100

61 40.6 9.8 14.8#

70 0.0 6.9 10.3#

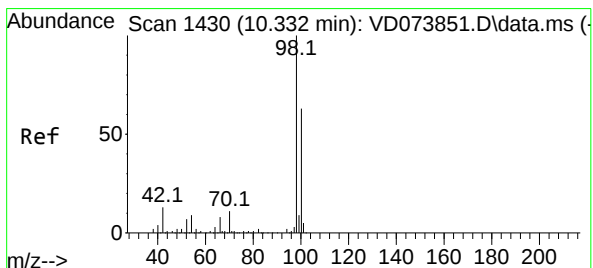
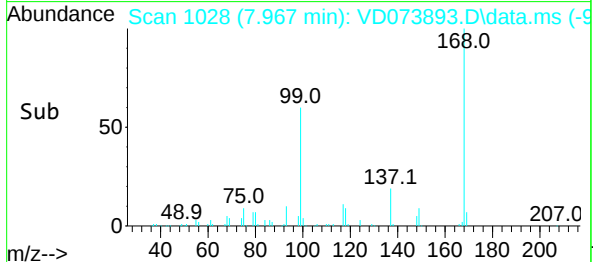
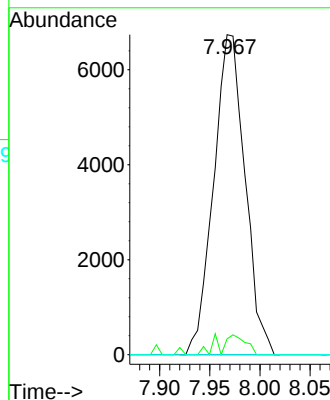
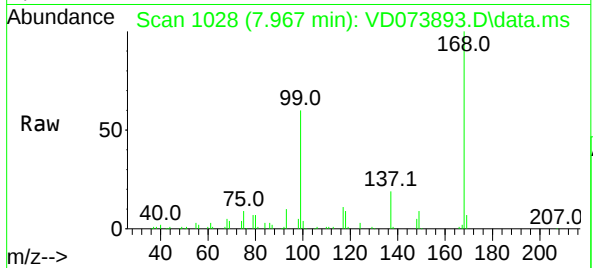




#38
Carbon Tetrachloride
Concen: 4.852 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

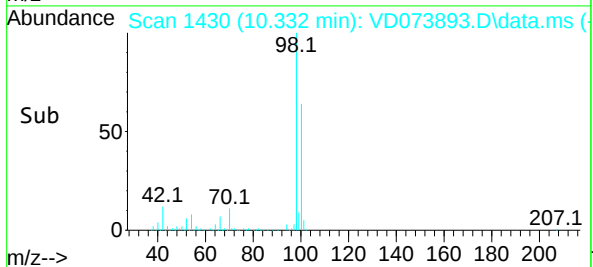
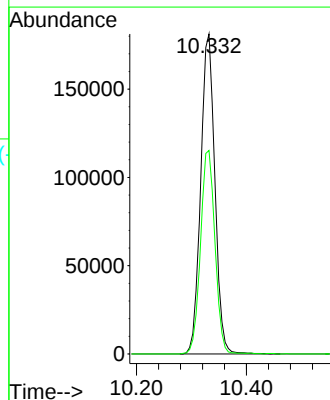
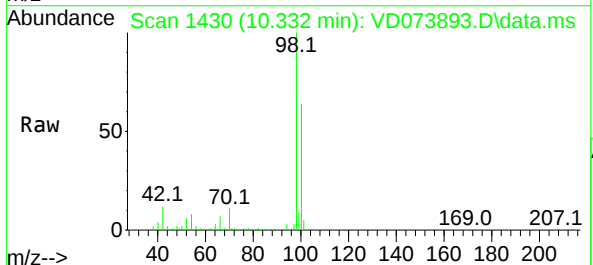
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

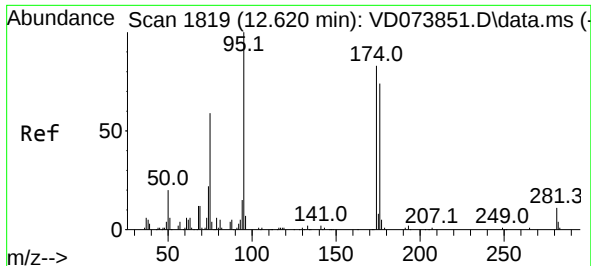
Tgt Ion:117 Resp: 14681
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.669 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

Tgt Ion: 98 Resp: 324491
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6

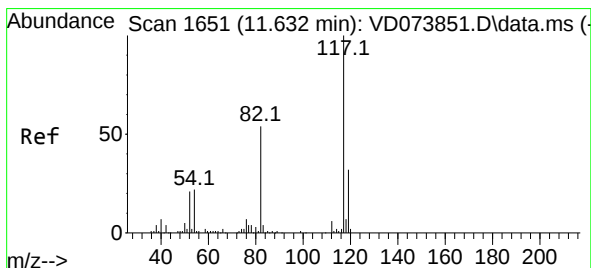
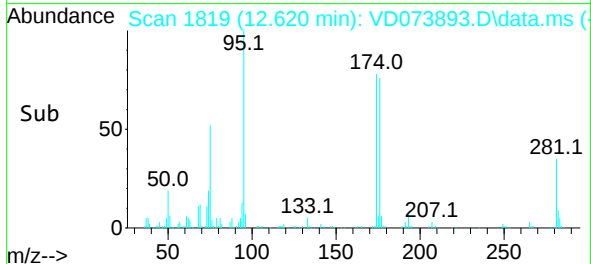
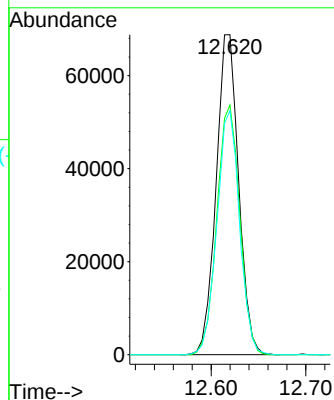
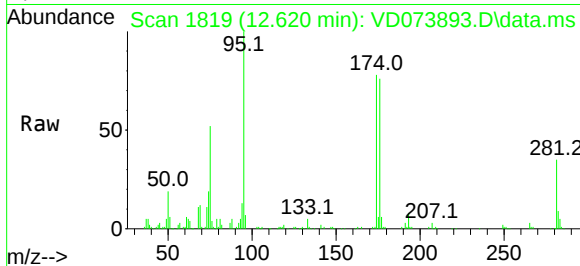




#62
4-Bromofluorobenzene
Concen: 49.535 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

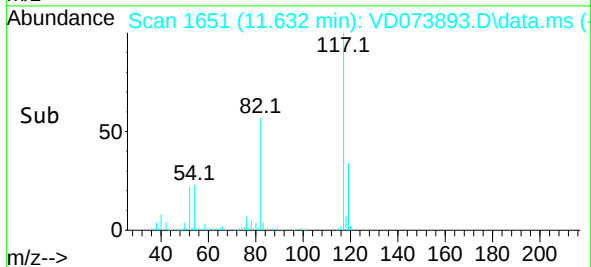
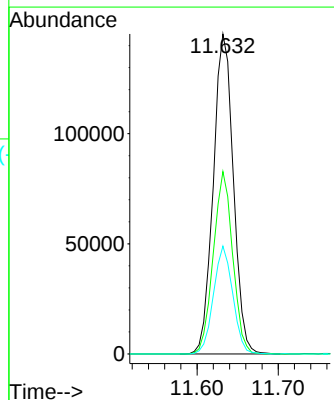
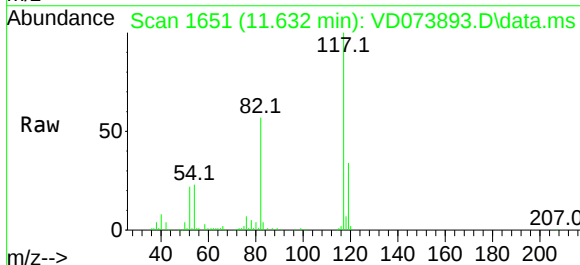
Instrument :
MSVOA_D
ClientSampleId :
COMP-1

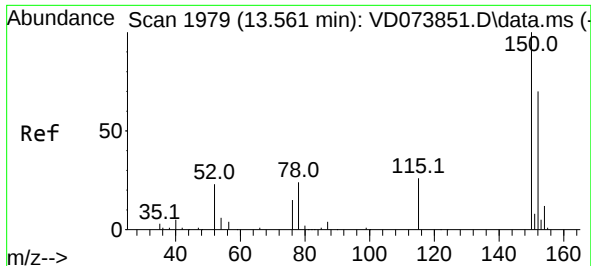
Tgt Ion: 95 Resp: 113552
Ion Ratio Lower Upper
95 100
174 79.4 0.0 152.8
176 76.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073893.D
Acq: 21 Jul 2022 13:26

Tgt Ion: 117 Resp: 249818
Ion Ratio Lower Upper
117 100
82 57.0 45.3 67.9
119 33.7 26.6 40.0

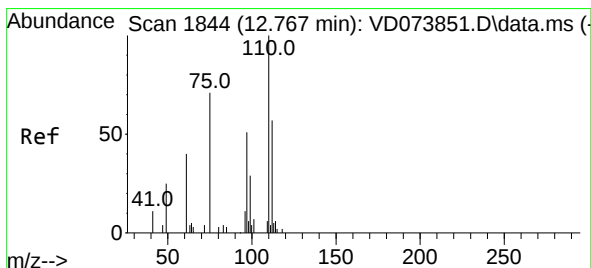
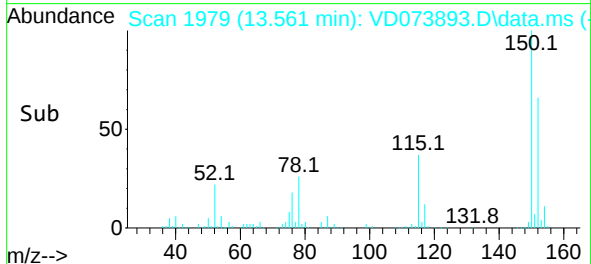
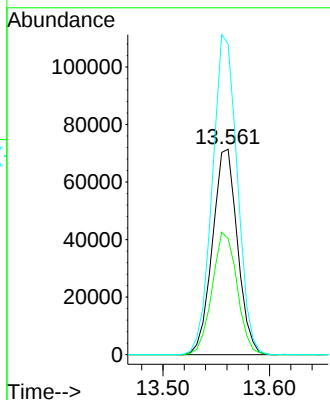
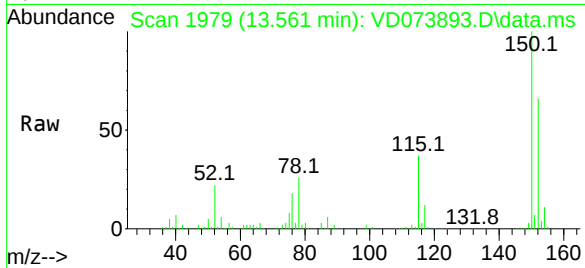




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073893.D
 Acq: 21 Jul 2022 13:26

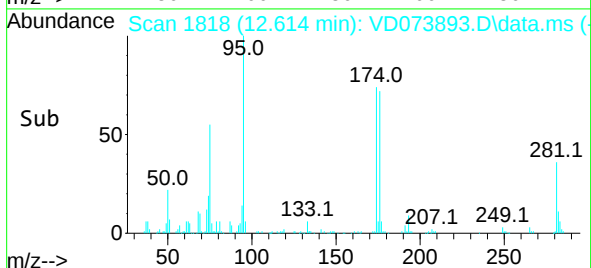
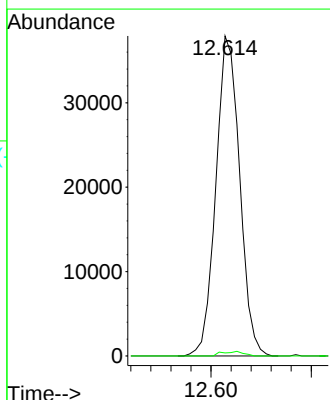
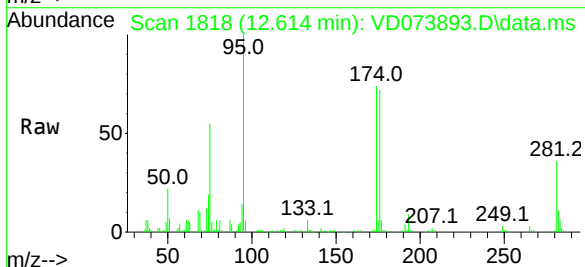
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

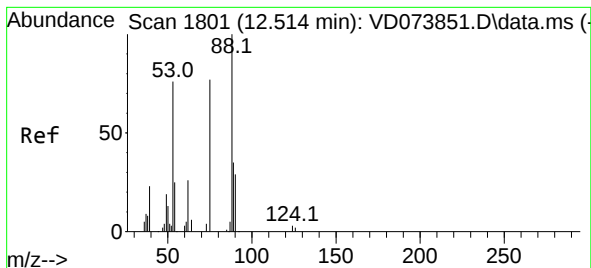
Tgt Ion:152 Resp: 116464
 Ion Ratio Lower Upper
 152 100
 115 59.3 31.3 93.8
 150 155.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 49.896 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.153 min
 Lab File: VD073893.D
 Acq: 21 Jul 2022 13:26

Tgt Ion: 75 Resp: 62351
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.642 ug/l
 RT: 12.614 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD073893.D
 Acq: 21 Jul 2022 13:26

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1

Tgt Ion: 75 Resp: 62351
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.2 33.9 50.9#

