

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072022\
 Data File : VD073885.D
 Acq On : 20 Jul 2022 18:04
 Operator : VA/SY
 Sample : N3756-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Jul 21 01:11:25 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)

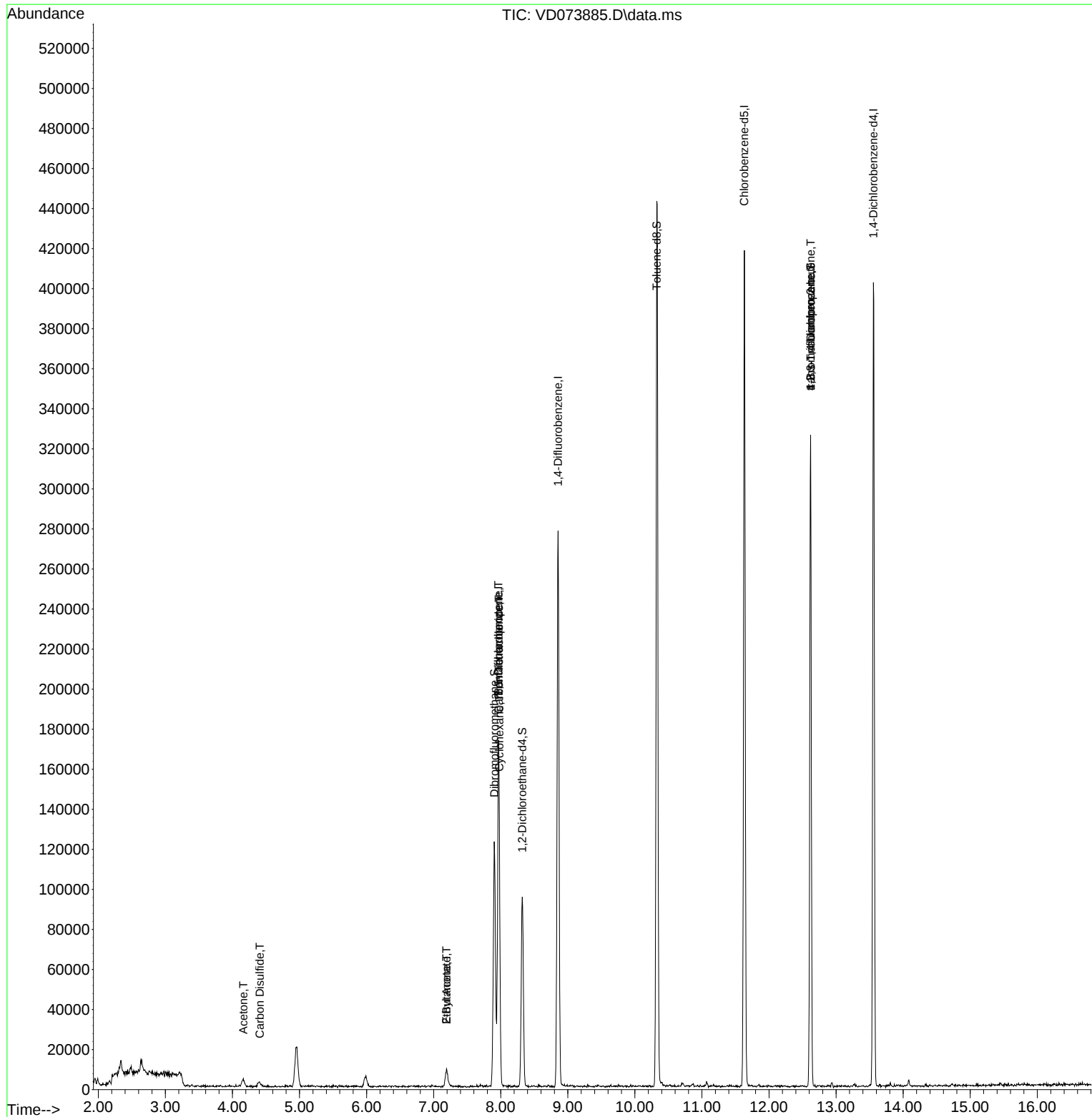
Internal Standards						
1) Pentafluorobenzene	7.967	168	119122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	238448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	229852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	103237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	76042	53.458	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.920%			
35) Dibromofluoromethane	7.903	113	81746	48.595	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.180%			
50) Toluene-d8	10.326	98	299706	49.078	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.620	95	101371	48.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	1902	Below Cal		88
3) Chloromethane	2.209	50	1145	Below Cal	#	71
11) Tert butyl alcohol	5.185	59	131	Below Cal	#	74
16) Acetone	4.162	43	7051	30.209	ug/l	95
17) Carbon Disulfide	4.409	76	5189	1.341	ug/l	# 74
18) Methyl Acetate	4.738	43	53	Below Cal	#	55
20) Methylene Chloride	4.950	84	15246	Below Cal	#	82
25) 2-Butanone	7.191	43	2125	6.414	ug/l	# 52
31) Cyclohexane	7.979	56	3200	1.416	ug/l	# 32
36) 1,1-Dichloropropene	7.967	75	11366	4.684	ug/l	# 52
37) Ethyl Acetate	7.191	43	2125	2.435	ug/l	# 90
38) Carbon Tetrachloride	7.973	117	13553	4.890	ug/l	# 17
76) 1,2,3-Trichloropropane	12.620	75	55905	50.470	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	55905	136.190	ug/l	# 7

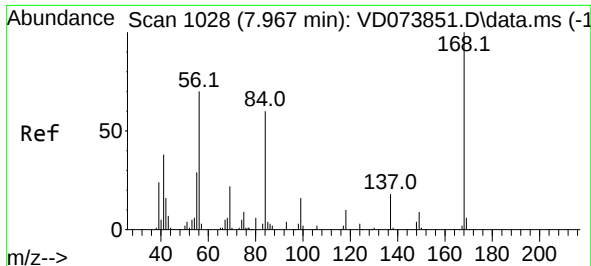
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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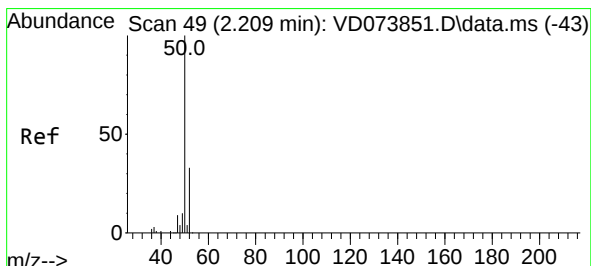
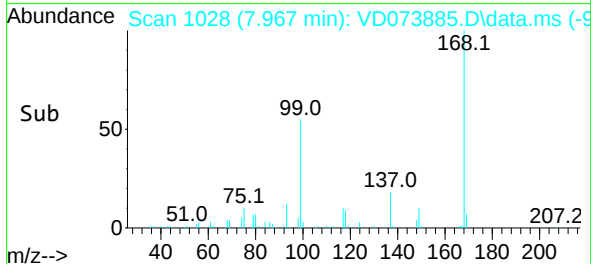
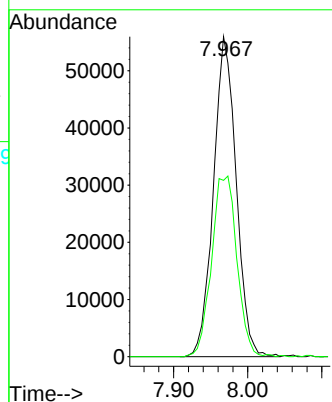
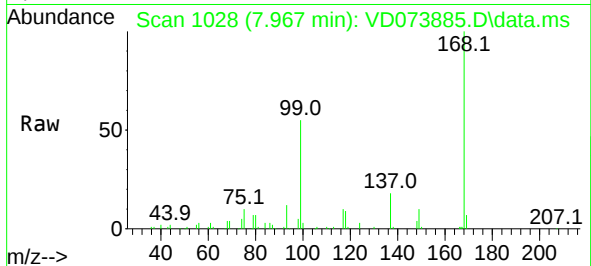




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

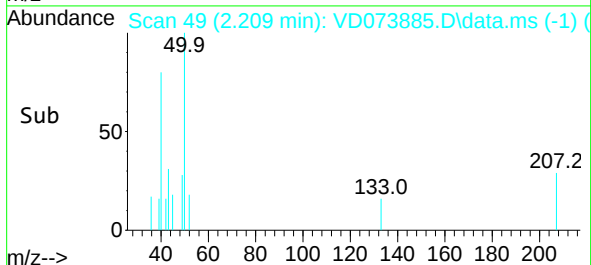
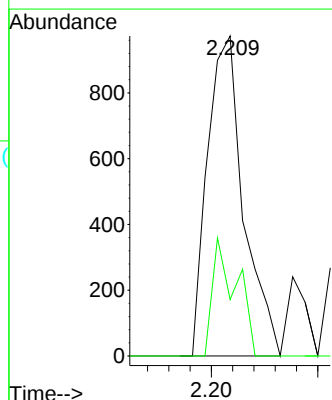
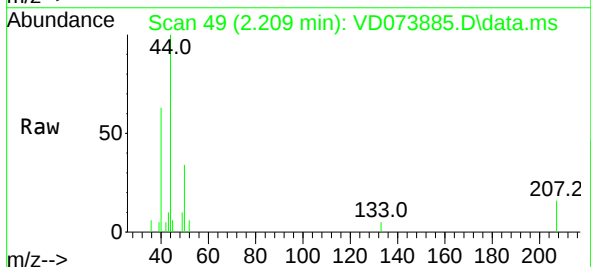
Instrument :
MSVOA_D
ClientSampleId :
TP-1

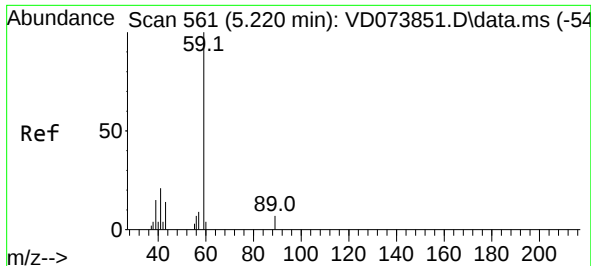
Tgt Ion:168 Resp: 119122
Ion Ratio Lower Upper
168 100
99 55.1 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

Tgt Ion: 50 Resp: 1145
Ion Ratio Lower Upper
50 100
52 17.7 27.4 41.0#

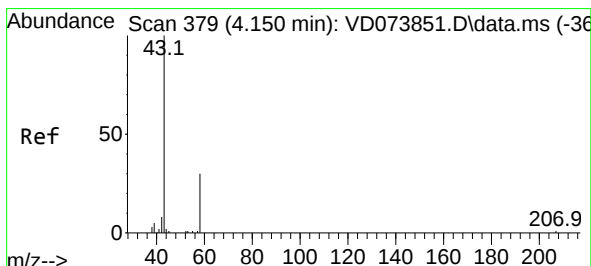
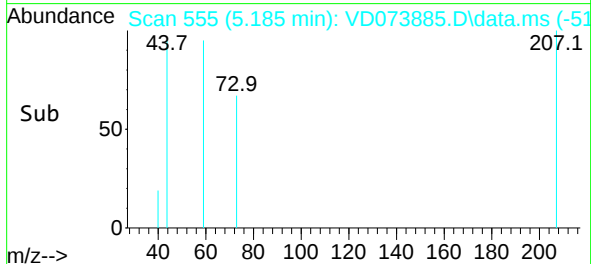
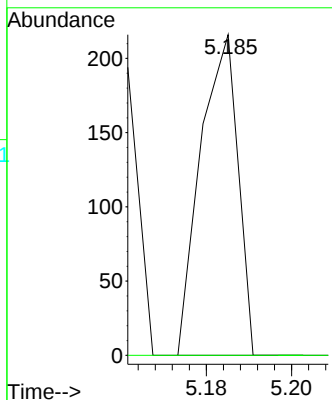
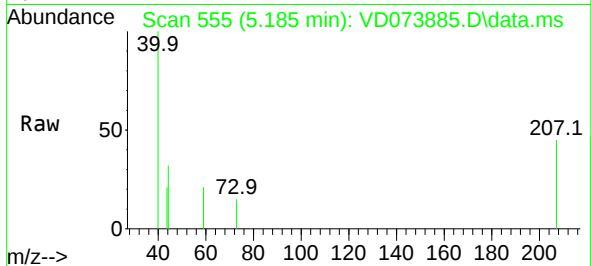




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

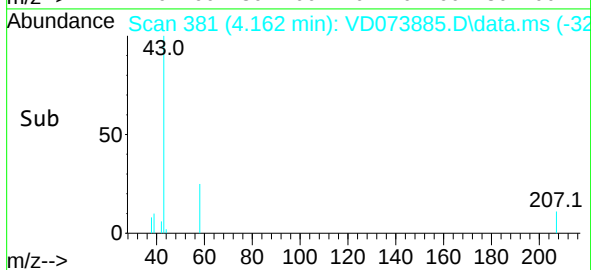
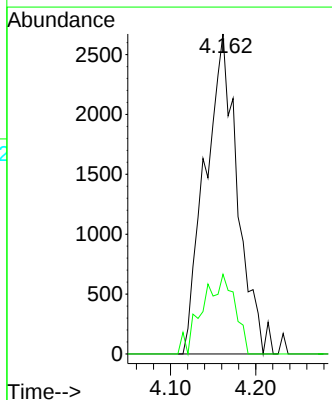
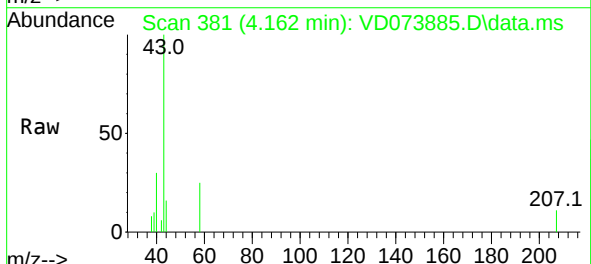
Instrument :
MSVOA_D
ClientSampleId :
TP-1

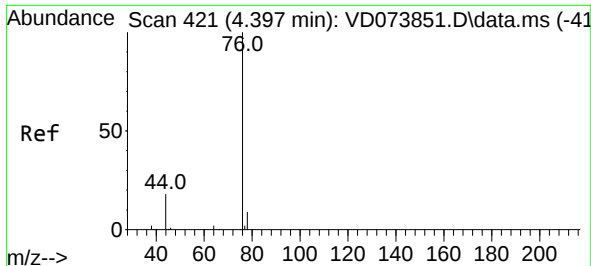
Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 30.209 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

Tgt Ion: 43 Resp: 7051
Ion Ratio Lower Upper
43 100
58 24.9 22.1 33.1

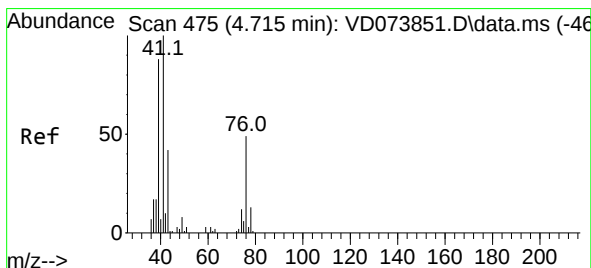
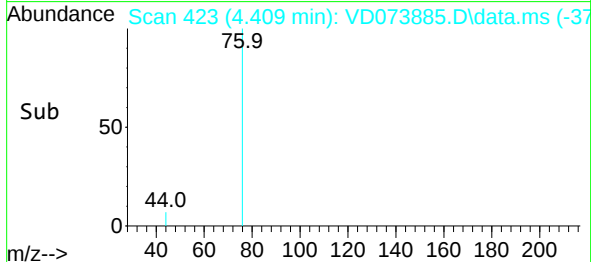
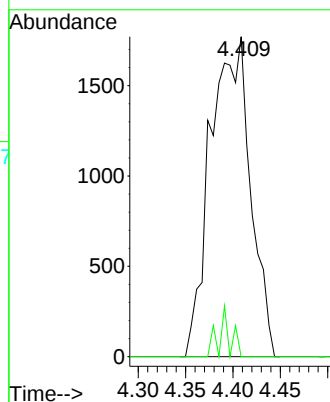
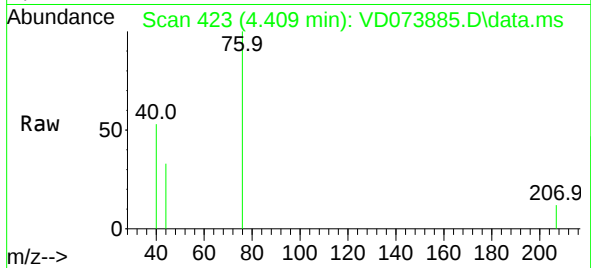




#17
Carbon Disulfide
Concen: 1.341 ug/l
RT: 4.409 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

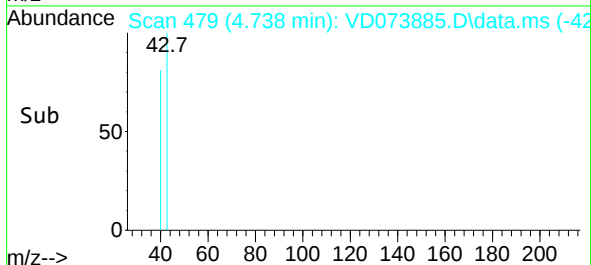
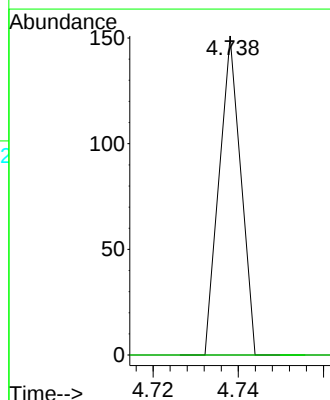
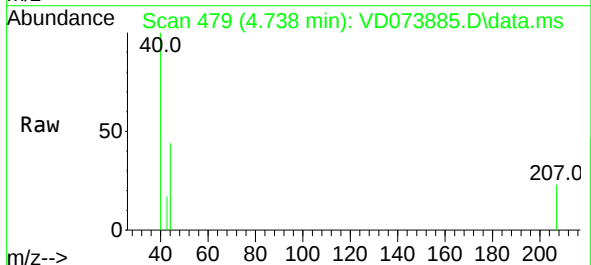
Instrument :
MSVOA_D
ClientSampleId :
TP-1

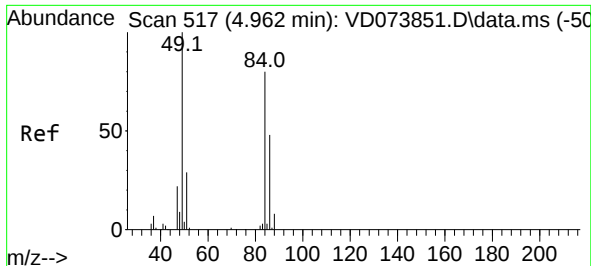
Tgt Ion: 76 Resp: 5189
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 479
Delta R.T. 0.023 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

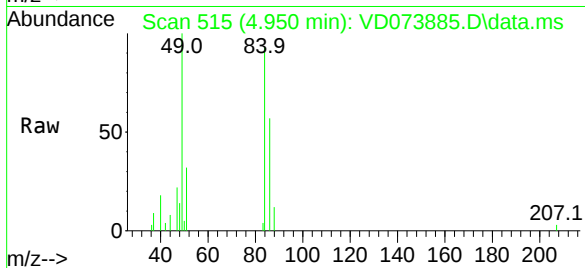
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



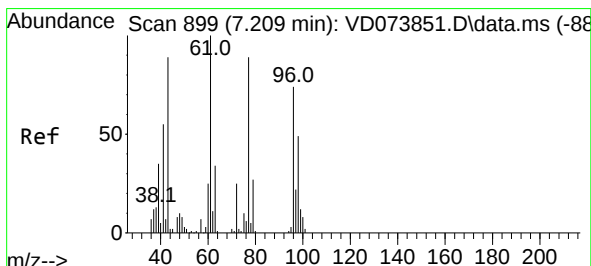
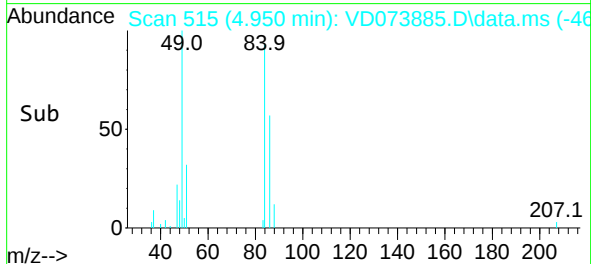
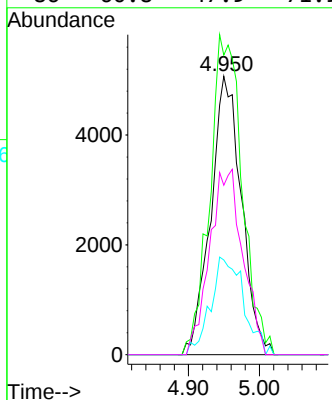


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

Instrument :
MSVOA_D
ClientSampleId :
TP-1

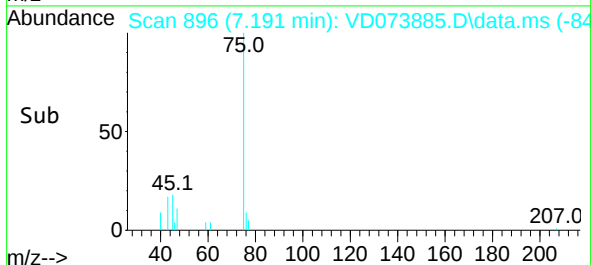
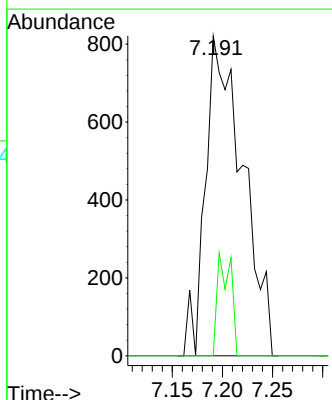
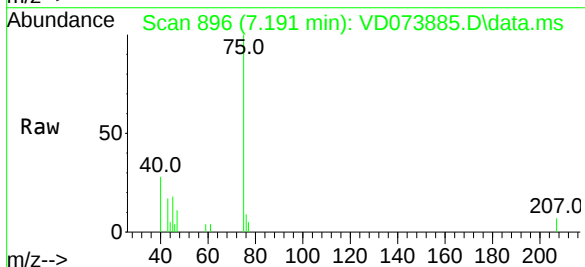


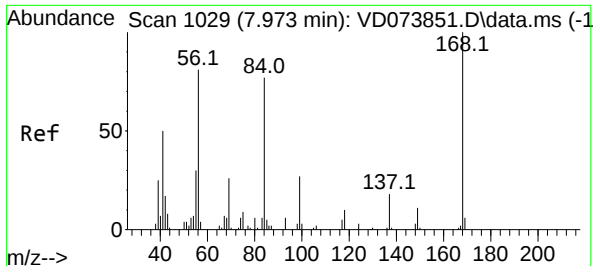
Tgt Ion:	84	Resp:	15246
Ion	Ratio	Lower	Upper
84	100		
49	107.6	112.8	169.2#
51	34.0	32.6	48.8
86	60.8	47.9	71.9



#25
2-Butanone
Concen: 6.414 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

Tgt Ion:	43	Resp:	2125
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

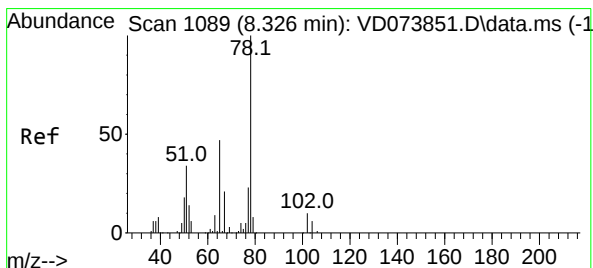
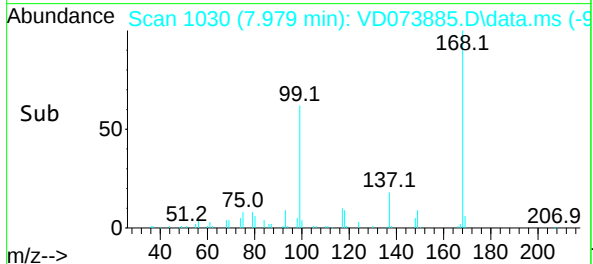
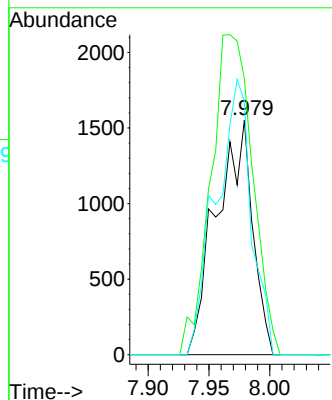
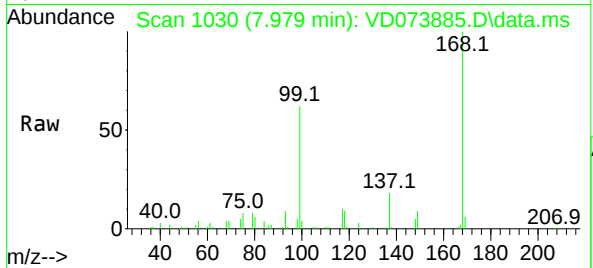




#31
Cyclohexane
Concen: 1.416 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

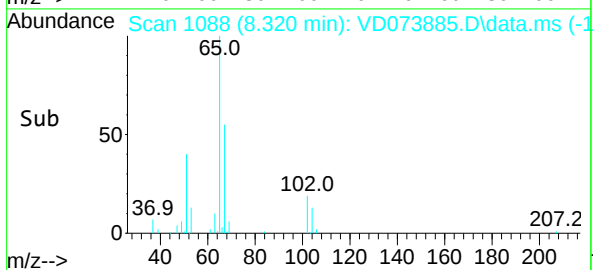
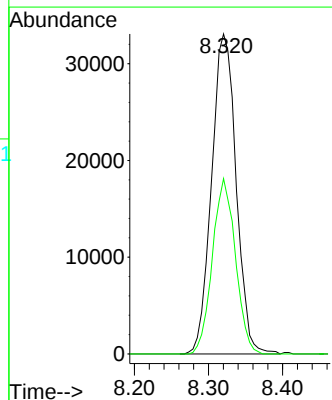
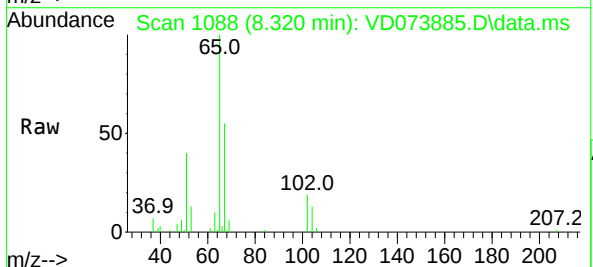
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MSVOA_D
ClientSampleId :
TP-1

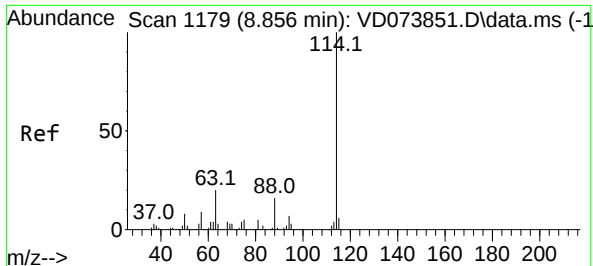
Tgt Ion: 56 Resp: 3200
Ion Ratio Lower Upper
56 100
69 117.7 25.4 38.2#
84 108.0 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 53.458 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

Tgt Ion: 65 Resp: 76042
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4

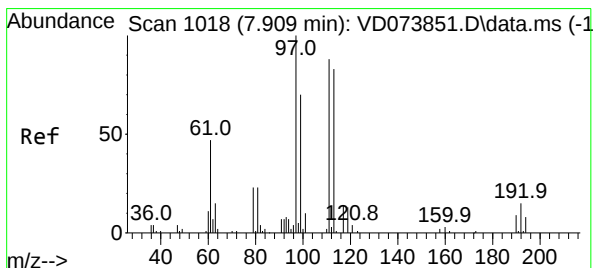
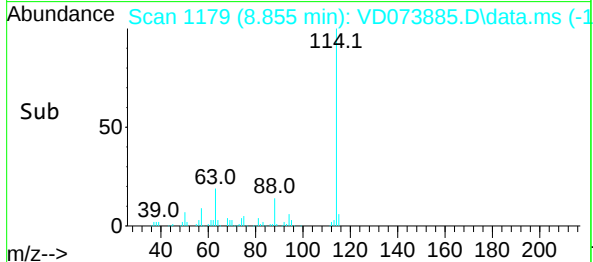
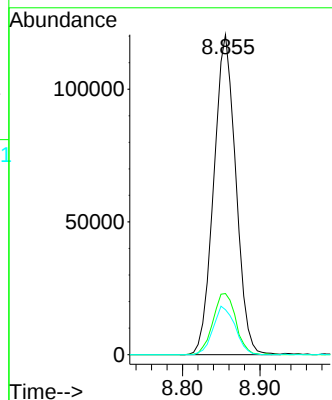
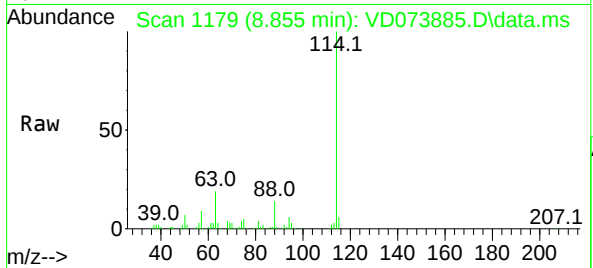




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

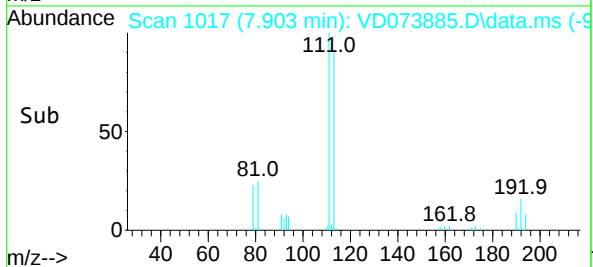
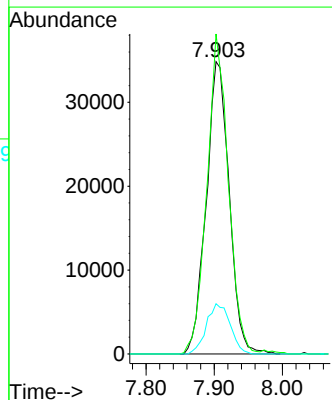
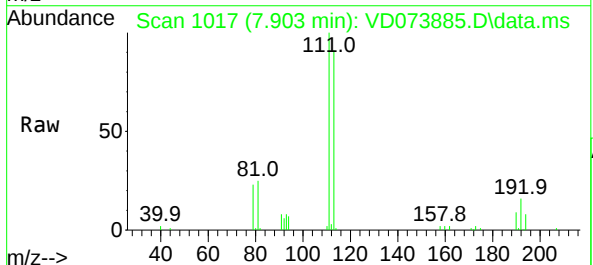
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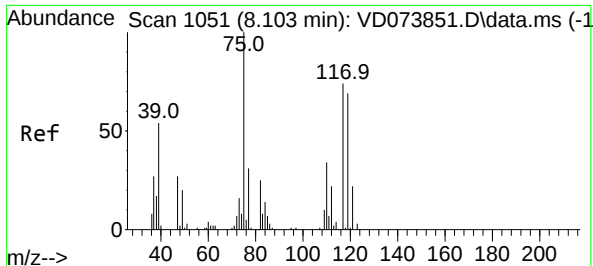
Tgt Ion:114 Resp: 238448
Ion Ratio Lower Upper
114 100
63 19.1 0.0 46.6
88 14.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.595 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

Tgt Ion:113 Resp: 81746
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073885.D

Acq: 20 Jul 2022 18:04

Instrument :

MSVOA_D

ClientSampleId :

TP-1

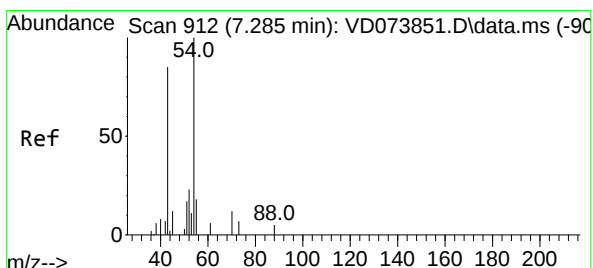
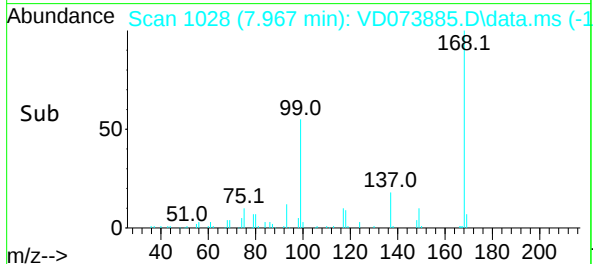
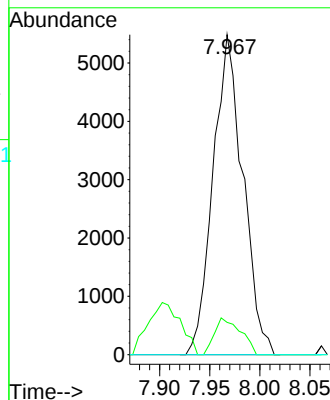
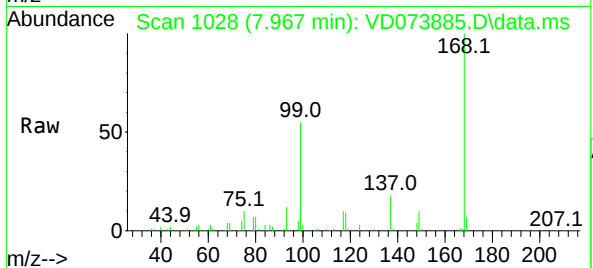
Tgt Ion: 75 Resp: 11366

Ion Ratio Lower Upper

75 100

110 10.1 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 2.435 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.094 min

Lab File: VD073885.D

Acq: 20 Jul 2022 18:04

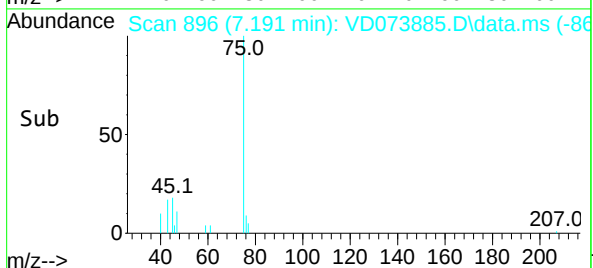
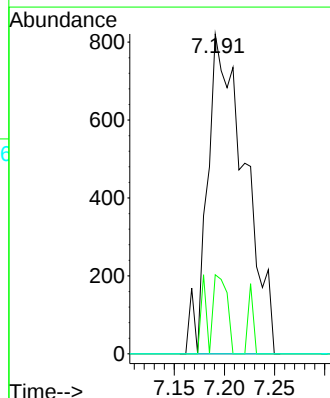
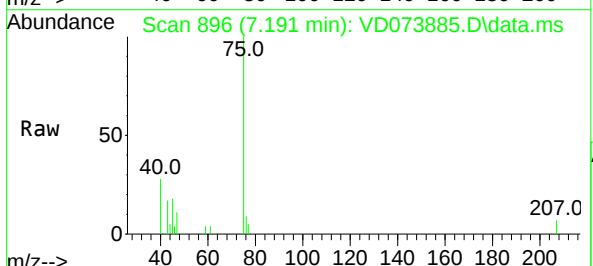
Tgt Ion: 43 Resp: 2125

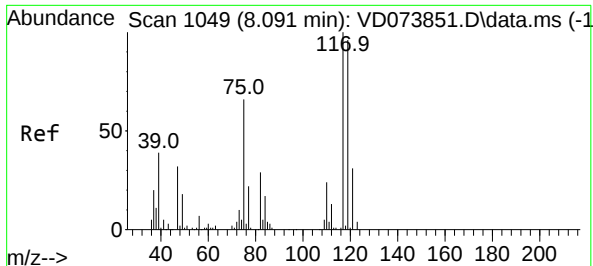
Ion Ratio Lower Upper

43 100

61 12.5 9.8 14.8

70 0.0 6.9 10.3#

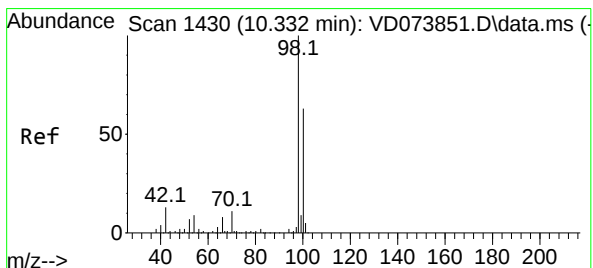
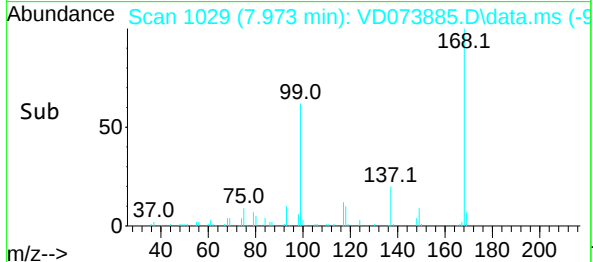
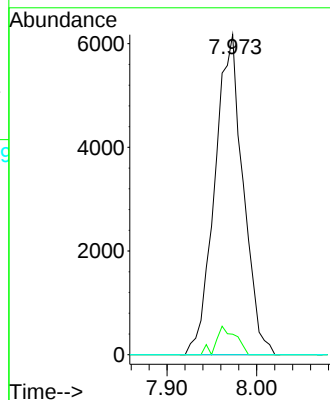
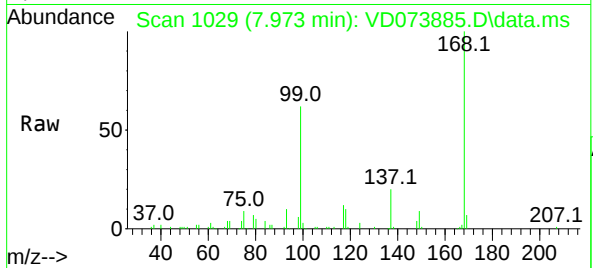




#38
Carbon Tetrachloride
Concen: 4.890 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

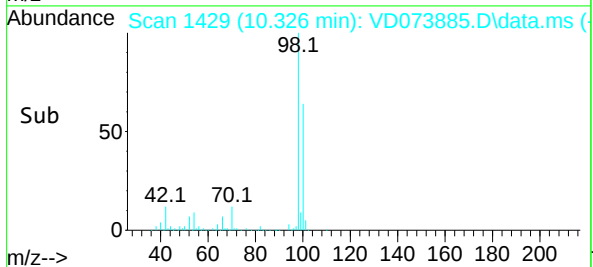
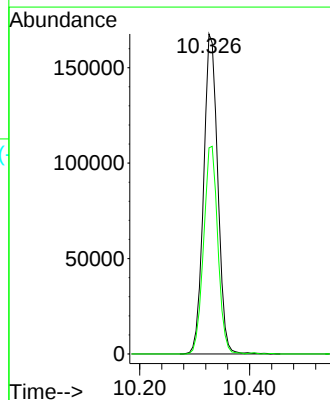
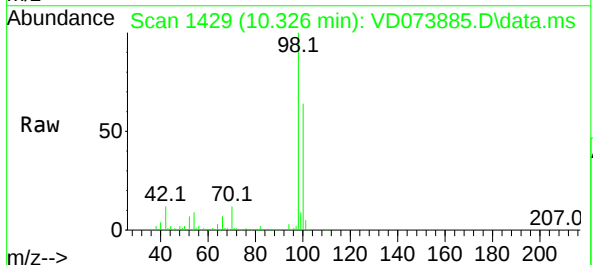
Instrument :
MSVOA_D
ClientSampleId :
TP-1

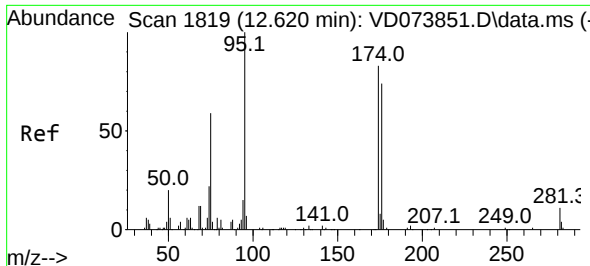
Tgt Ion:117 Resp: 13553
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.078 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. -0.006 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

Tgt Ion: 98 Resp: 299706
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

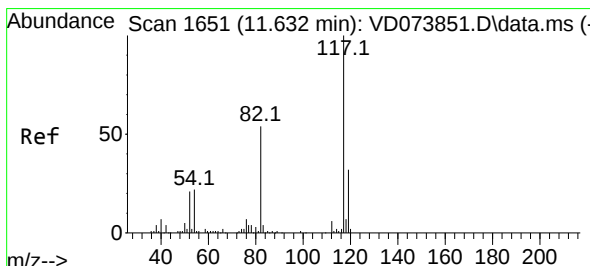
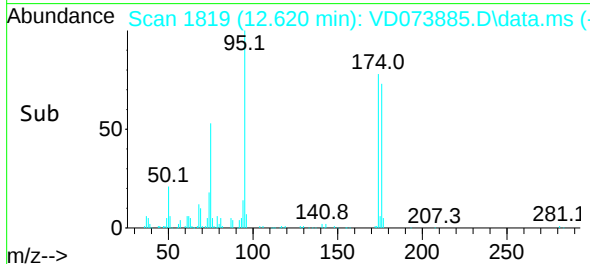
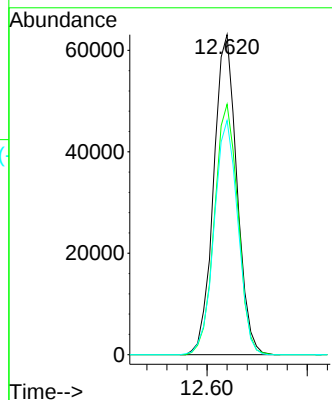
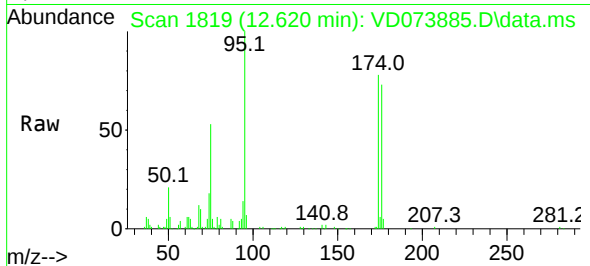




#62
4-Bromofluorobenzene
Concen: 48.280 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

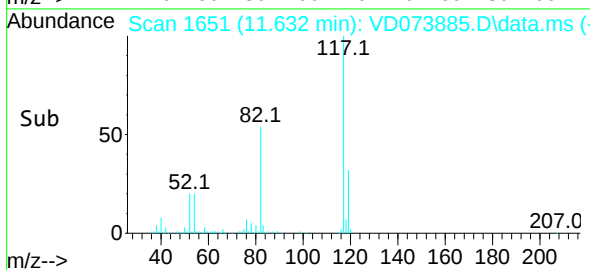
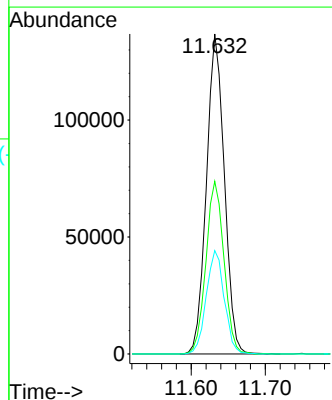
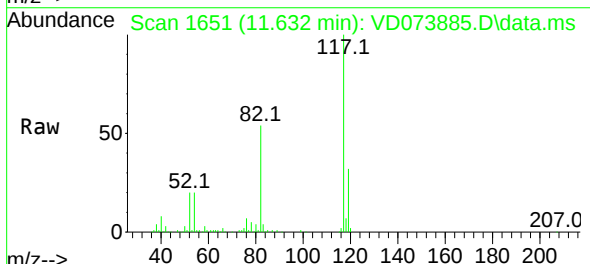
Instrument :
MSVOA_D
ClientSampleId :
TP-1

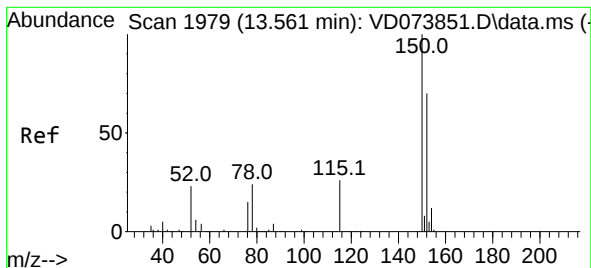
Tgt Ion: 95 Resp: 101371
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 74.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073885.D
Acq: 20 Jul 2022 18:04

Tgt Ion: 117 Resp: 229852
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 32.3 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1819

Delta R.T. -0.006 min

Lab File: VD073885.D

Acq: 20 Jul 2022 18:04

Instrument :

MSVOA_D

ClientSampleId :

TP-1

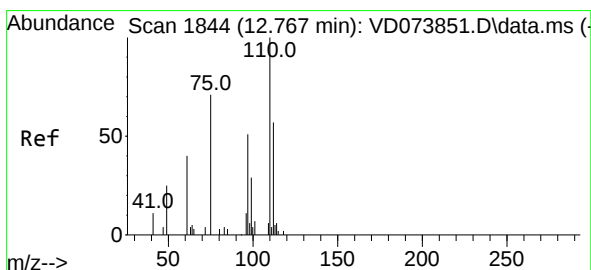
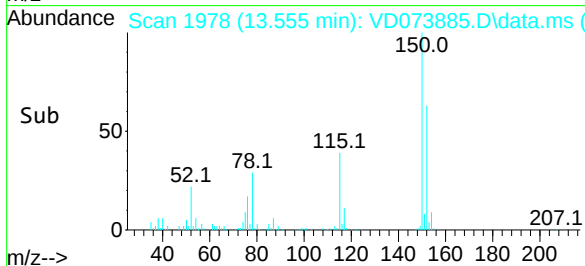
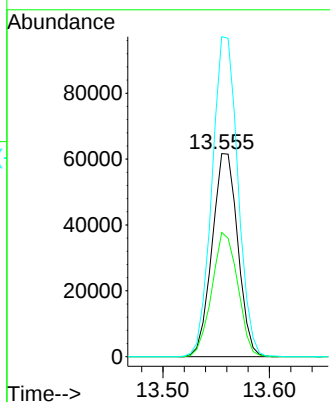
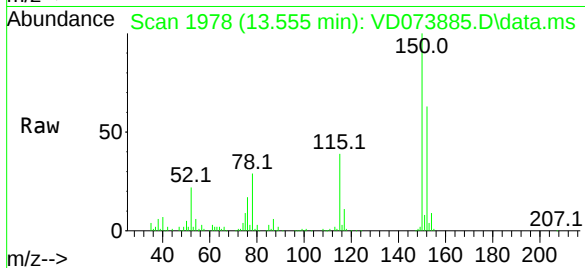
Tgt Ion:152 Resp: 103237

Ion Ratio Lower Upper

152 100

115 61.7 31.3 93.8

150 158.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 50.470 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073885.D

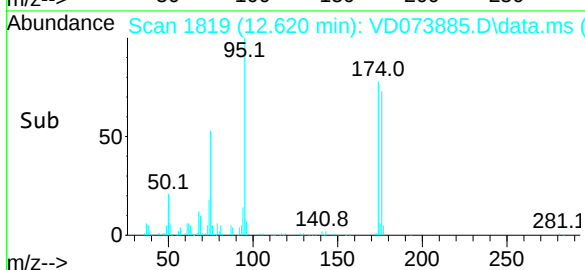
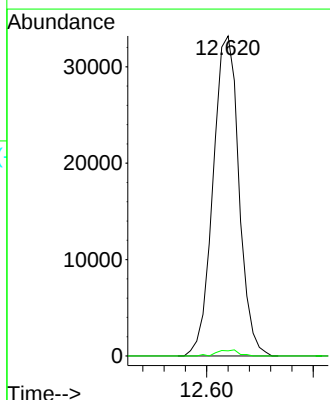
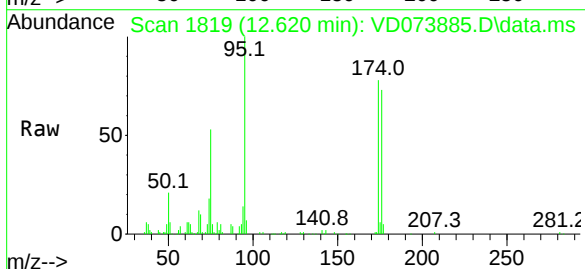
Acq: 20 Jul 2022 18:04

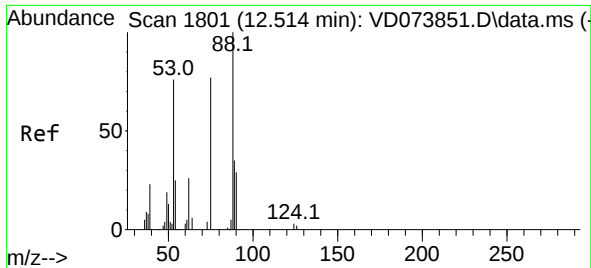
Tgt Ion: 75 Resp: 55905

Ion Ratio Lower Upper

75 100

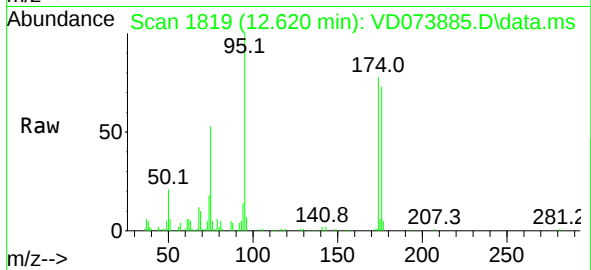
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.190 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073885.D
 Acq: 20 Jul 2022 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1



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

