

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010876.D
 Acq On : 07 Oct 2022 16:50
 Operator : KP/MD
 Sample : N5046-04
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-4

Quant Time: Oct 08 04:47:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

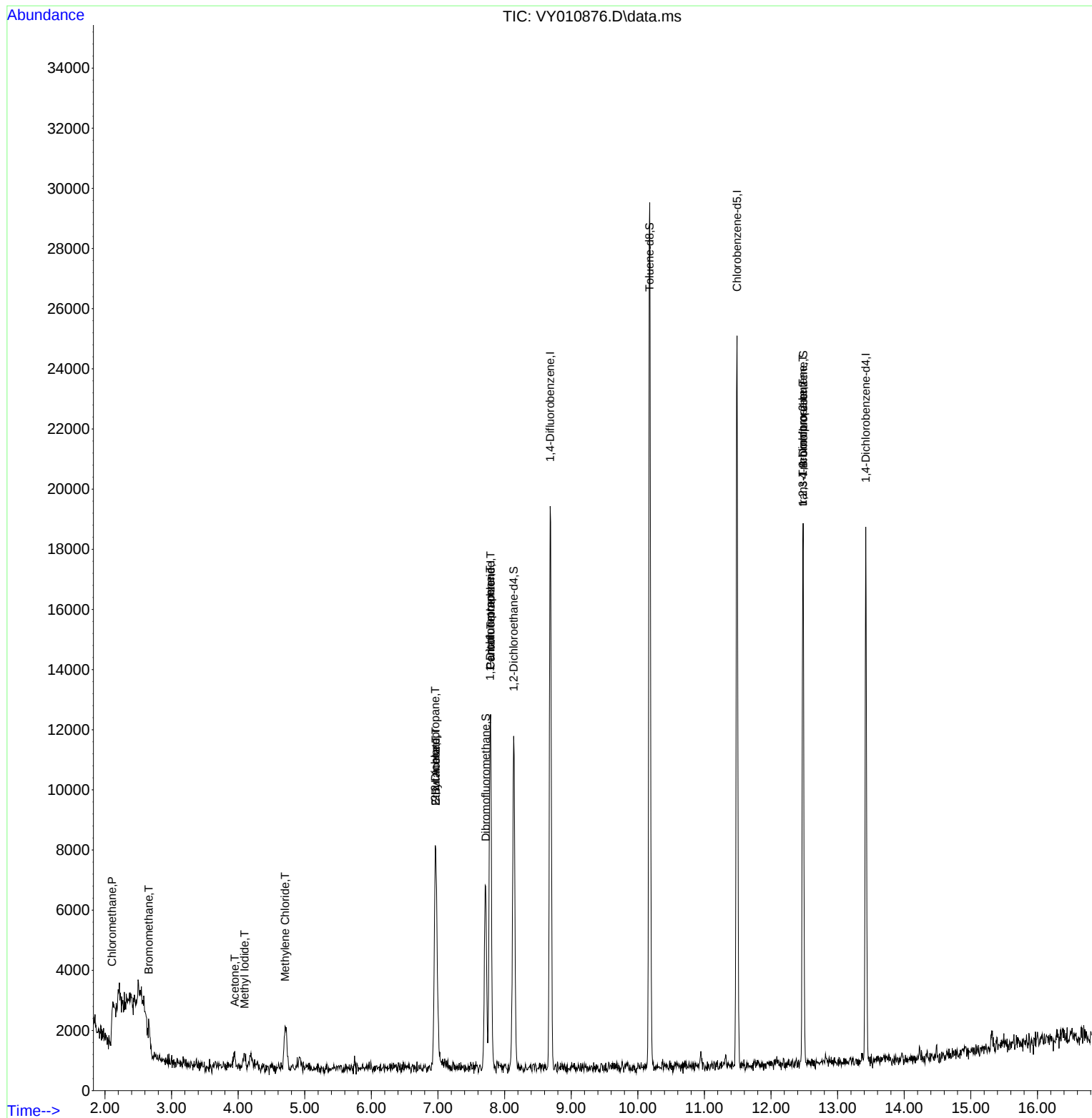
Internal Standards						
1) Pentafluorobenzene	7.789	168	9879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	16666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8266	82.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 165.100%#			
35) Dibromofluoromethane	7.716	113	4520	40.857	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 81.720%			
50) Toluene-d8	10.179	98	20658	54.601	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.200%			
62) 4-Bromofluorobenzene	12.483	95	5466	35.945	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 71.900%			
Target Compounds			Qvalue			
3) Chloromethane	2.107	50	289	2.539	ug/l #	44
5) Bromomethane	2.656	94	307	3.156	ug/l	84
10) Methyl Iodide	4.094	142	651	5.089	ug/l #	89
11) Tert butyl alcohol	4.930	59	311	Below Cal	#	77
16) Acetone	3.948	43	758	29.805	ug/l #	64
20) Methylene Chloride	4.704	84	1264	6.835	ug/l #	70
25) 2-Butanone	6.966	43	337	9.217	ug/l #	54
26) 2,2-Dichloropropane	6.960	77	549	3.097	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	708	4.433	ug/l #	42
37) Ethyl Acetate	6.966	43	337	4.300	ug/l #	1
38) Carbon Tetrachloride	7.789	117	1014	6.096	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	3070	66.554	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3070	139.025	ug/l #	7

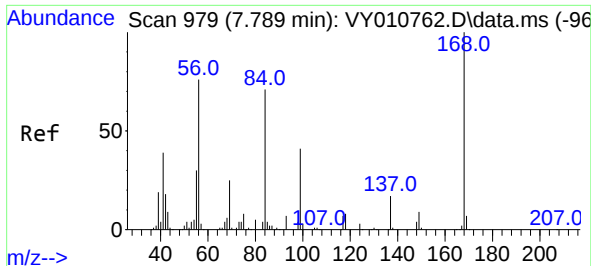
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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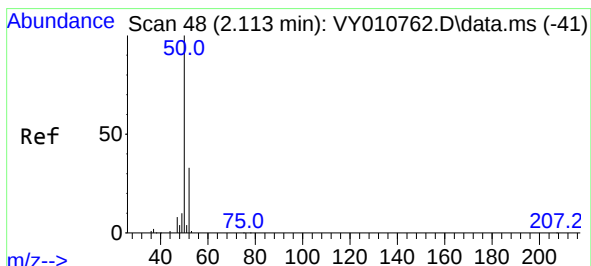
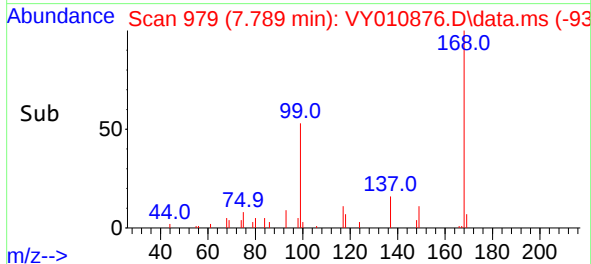
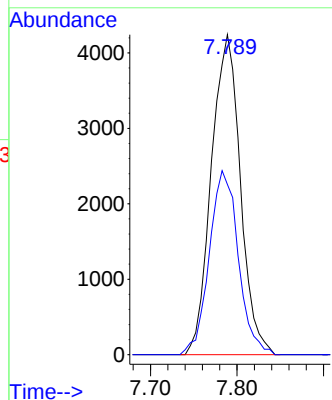
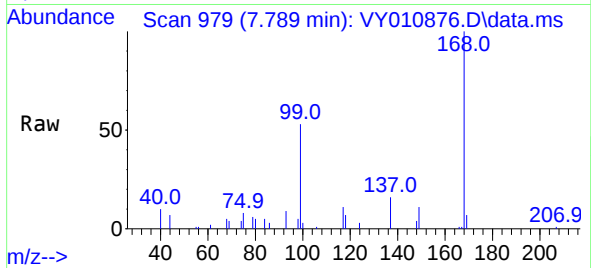




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

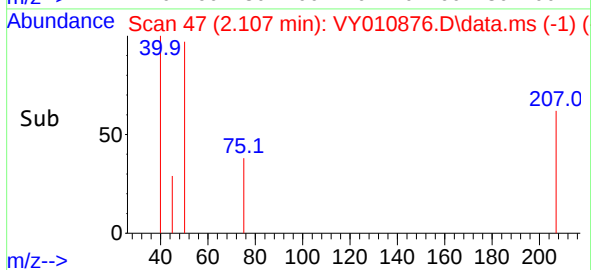
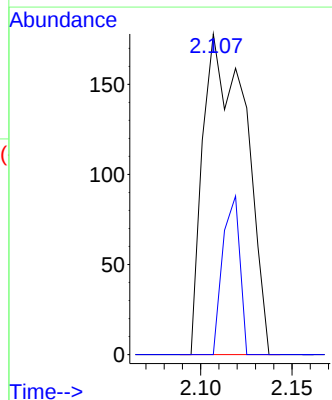
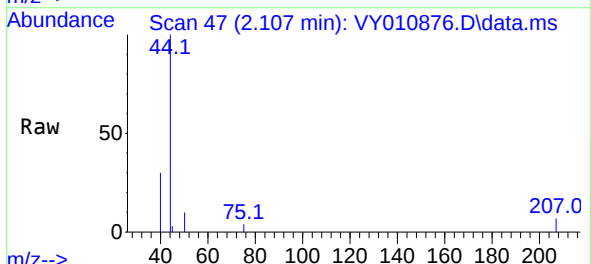
Instrument :
MSVOA_Y
ClientSampleId :
R-4

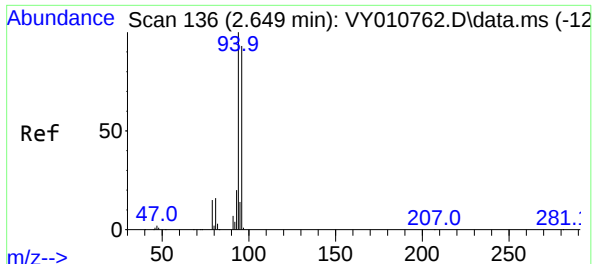
Tgt Ion:168 Resp: 9879
Ion Ratio Lower Upper
168 100
99 53.2 46.9 70.3



#3
Chloromethane
Concen: 2.539 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

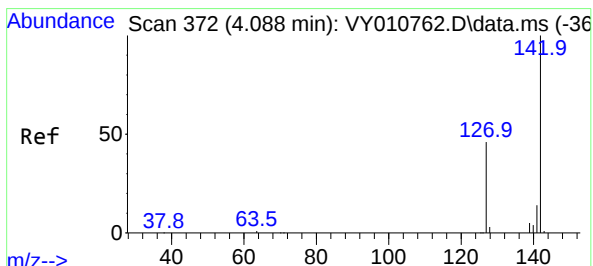
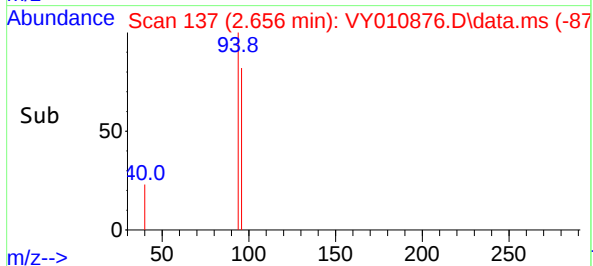
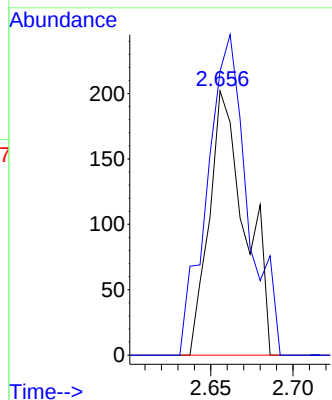
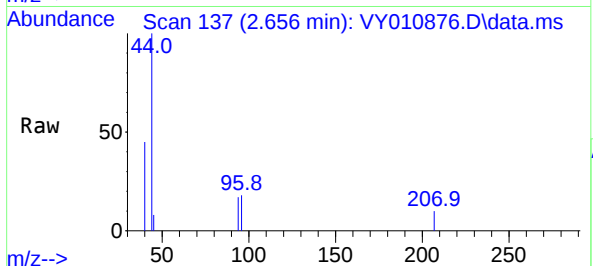




#5
Bromomethane
Concen: 3.156 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

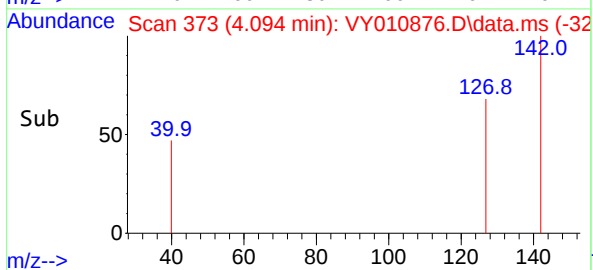
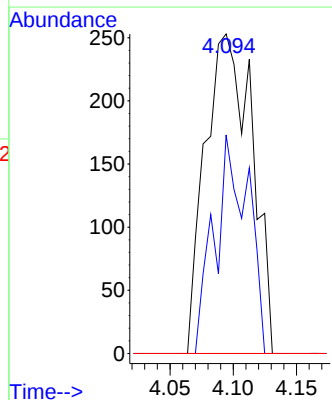
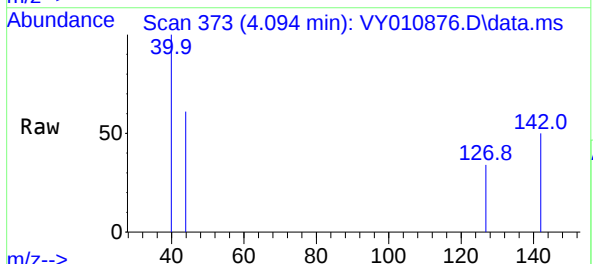
Instrument :
MSVOA_Y
ClientSampleId :
R-4

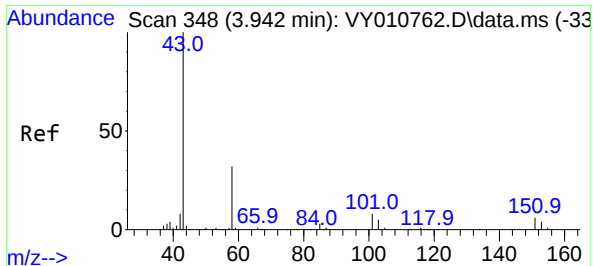
Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 107.4 73.5 110.3



#10
Methyl Iodide
Concen: 5.089 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

Tgt Ion: 142 Resp: 651
Ion Ratio Lower Upper
142 100
127 49.2 41.5 62.3
141 0.0 11.9 17.9#

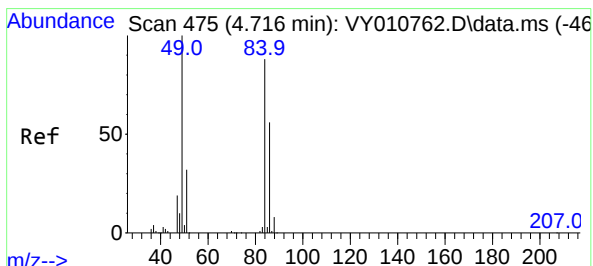
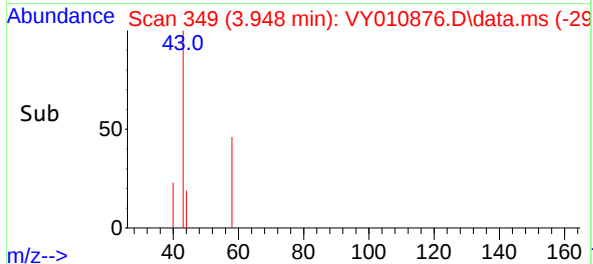
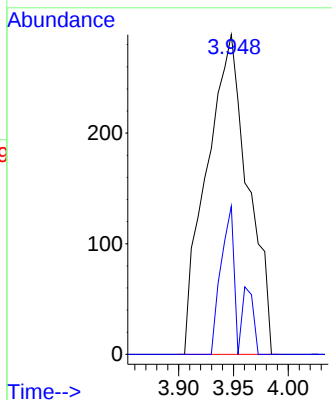
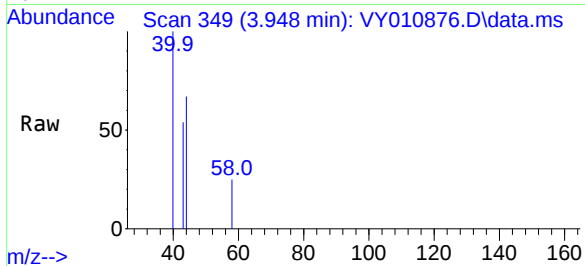




#16
Acetone
Concen: 29.805 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

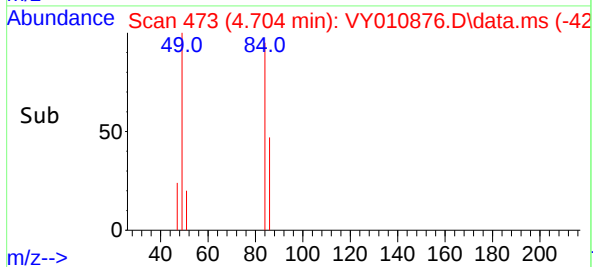
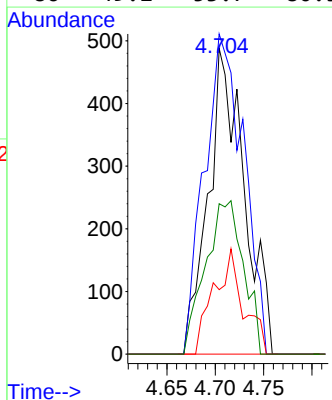
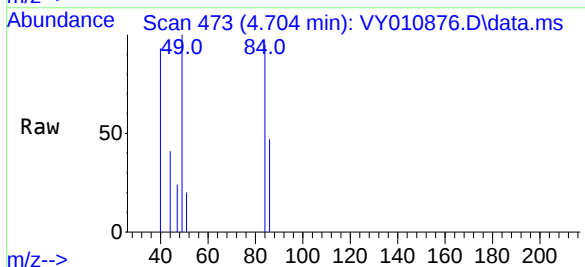
Instrument :
MSVOA_Y
ClientSampleId :
R-4

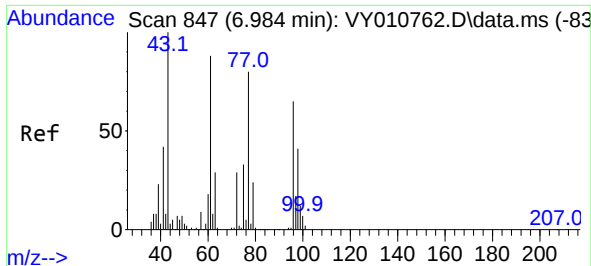
Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
58 46.4 22.0 33.0#



#20
Methylene Chloride
Concen: 6.835 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

Tgt Ion: 84 Resp: 1264
Ion Ratio Lower Upper
84 100
49 104.7 114.4 171.6#
51 21.1 35.3 52.9#
86 49.2 53.7 80.5#





#25

2-Butanone

Concen: 9.217 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY010876.D

Acq: 07 Oct 2022 16:50

Instrument :

MSVOA_Y

ClientSampleId :

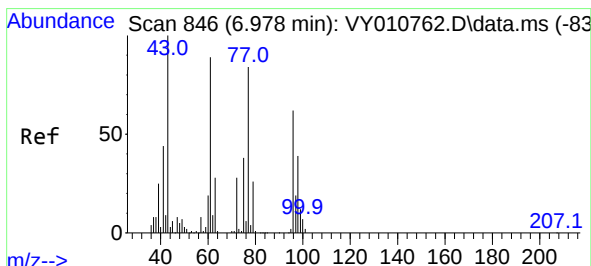
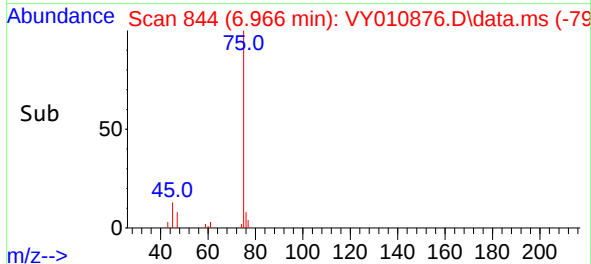
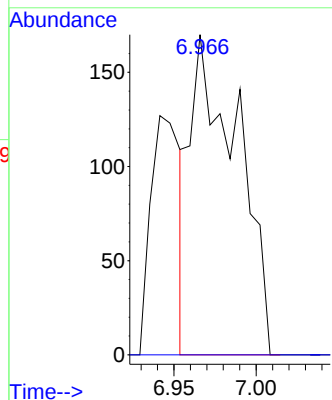
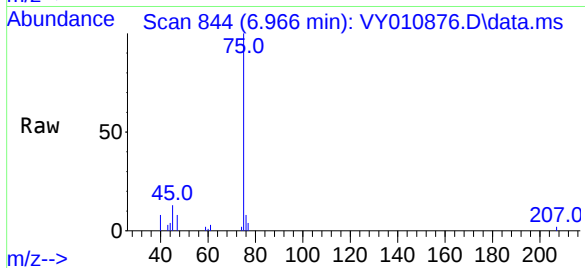
R-4

Tgt Ion: 43 Resp: 337

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 3.097 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY010876.D

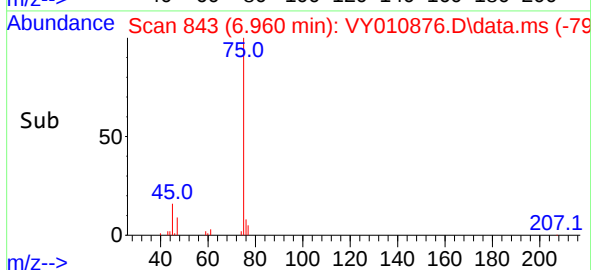
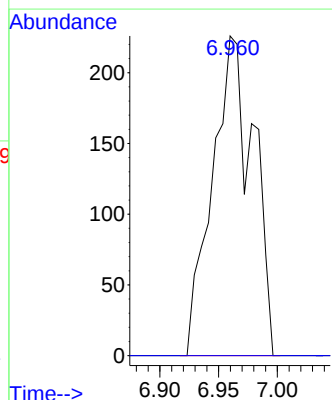
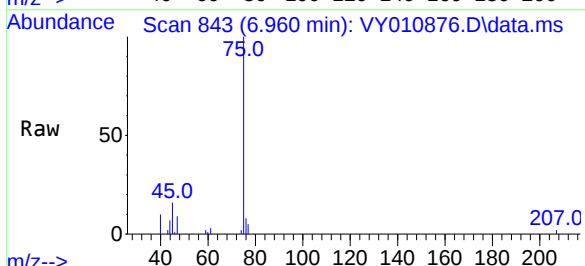
Acq: 07 Oct 2022 16:50

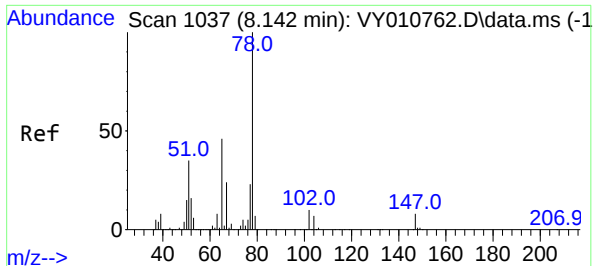
Tgt Ion: 77 Resp: 549

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 82.548 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY010876.D

Acq: 07 Oct 2022 16:50

Instrument :

MSVOA_Y

ClientSampleId :

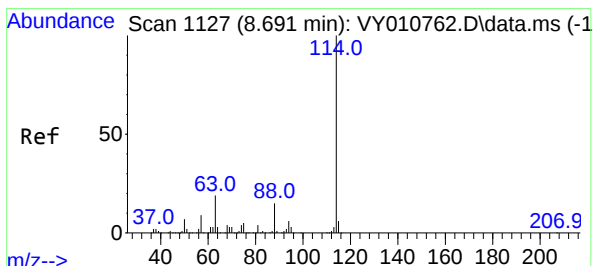
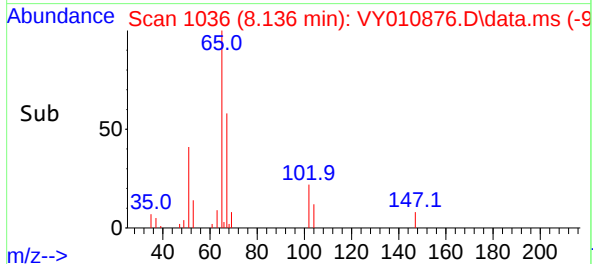
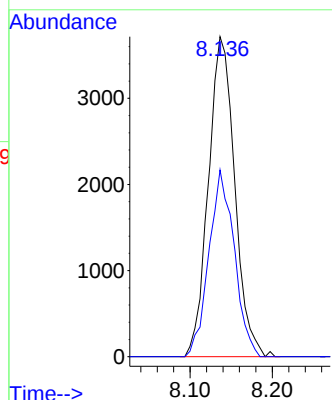
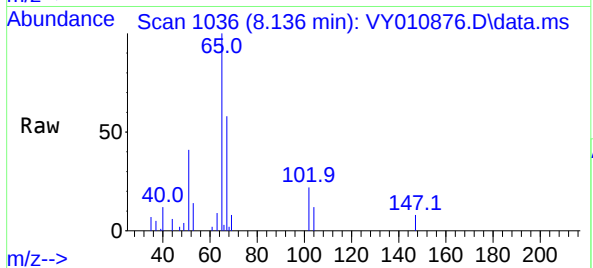
R-4

Tgt Ion: 65 Resp: 8266

Ion Ratio Lower Upper

65 100

67 56.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010876.D

Acq: 07 Oct 2022 16:50

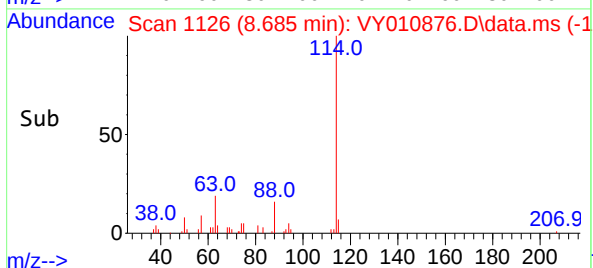
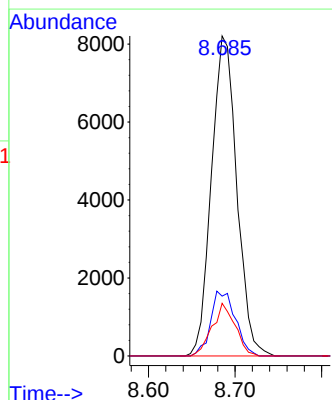
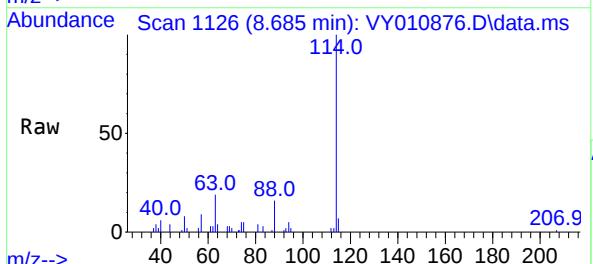
Tgt Ion: 114 Resp: 16666

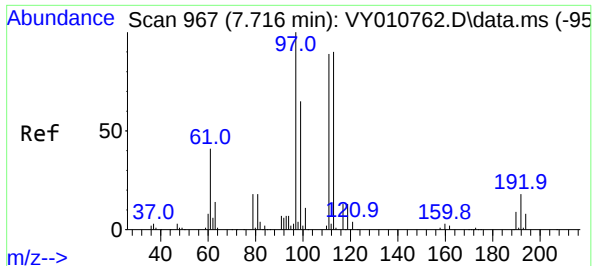
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 16.5 0.0 31.8

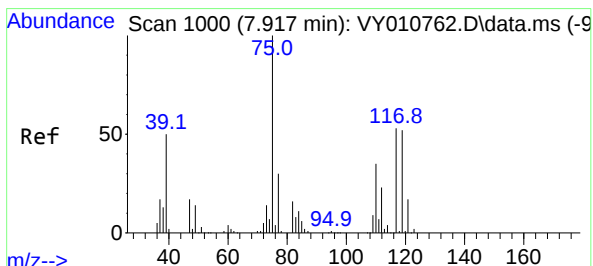
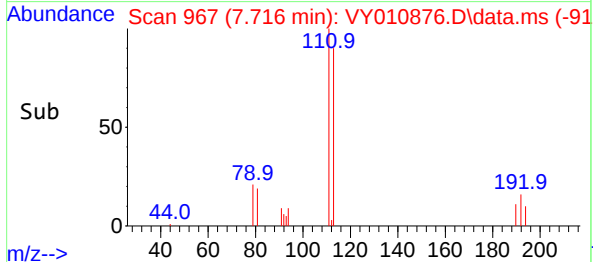
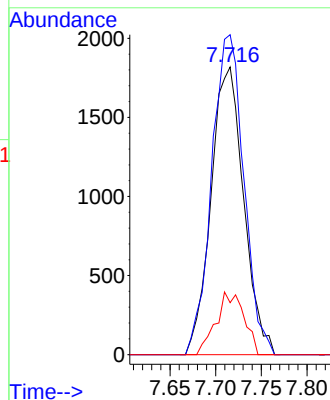
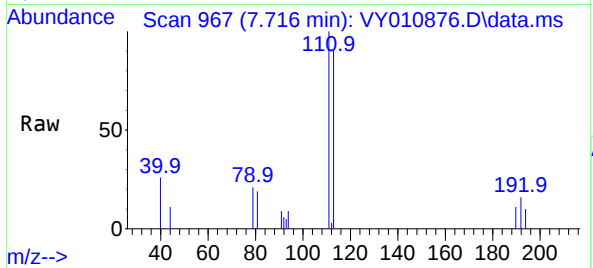




#35
Dibromofluoromethane
Concen: 40.857 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

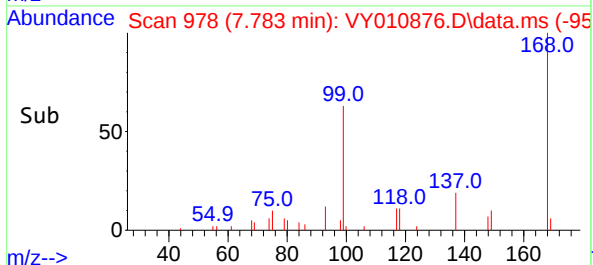
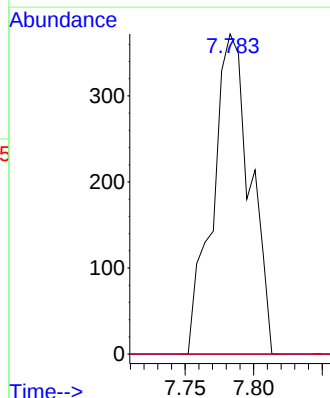
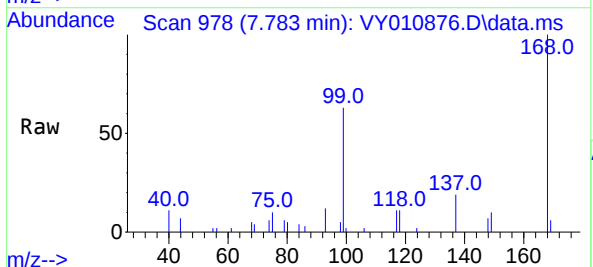
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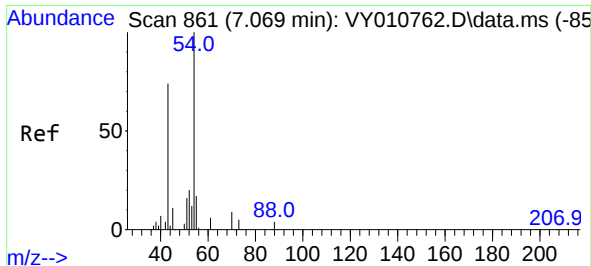
Tgt Ion:113 Resp: 4520
Ion Ratio Lower Upper
113 100
111 109.5 82.6 124.0
192 18.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.433 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

Tgt Ion: 75 Resp: 708
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.300 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.103 min

Lab File: VY010876.D

Acq: 07 Oct 2022 16:50

Instrument :

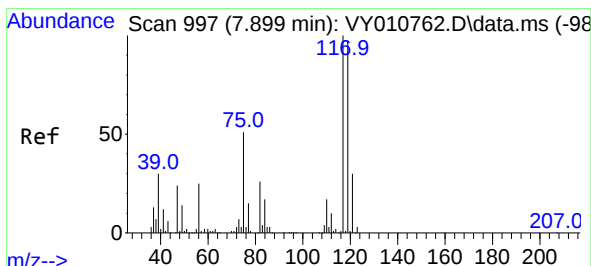
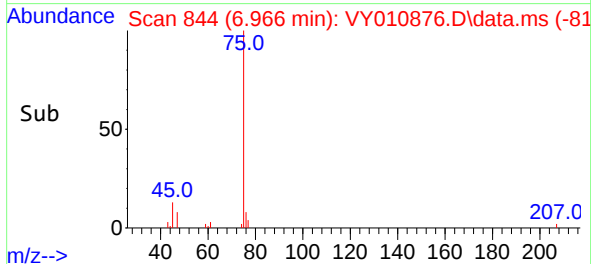
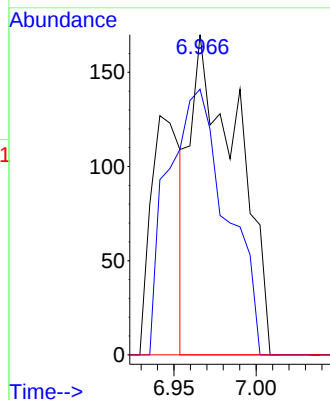
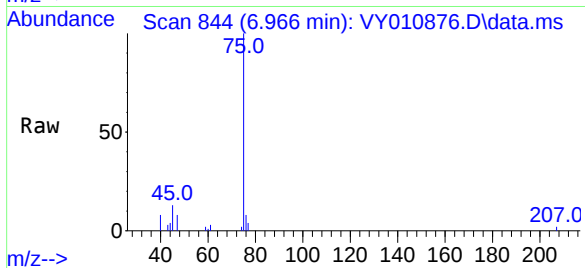
MSVOA_Y

ClientSampleId :

R-4

Tgt Ion: 43 Resp: 337

Ion	Ratio	Lower	Upper
43	100		
61	104.5	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.096 ug/l

RT: 7.789 min Scan# 979

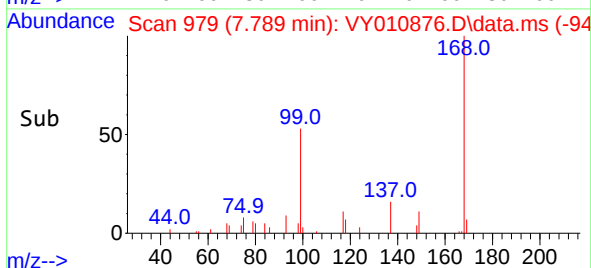
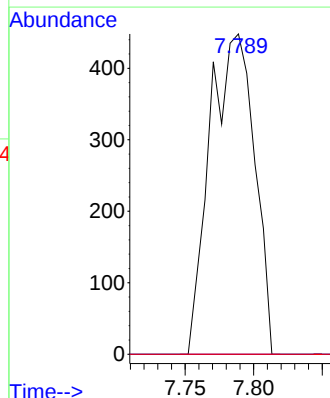
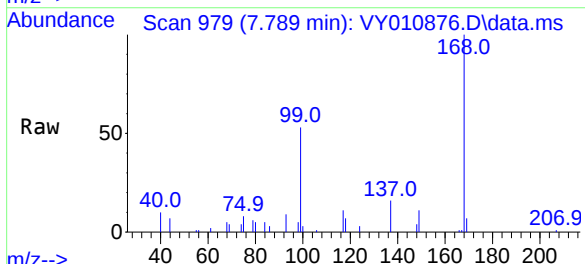
Delta R.T. -0.110 min

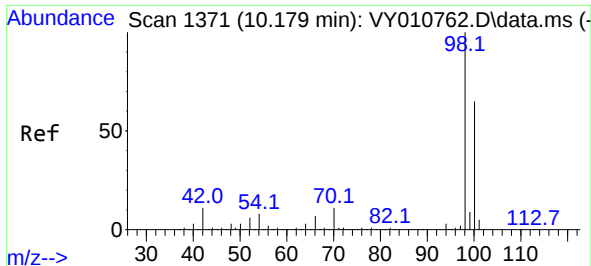
Lab File: VY010876.D

Acq: 07 Oct 2022 16:50

Tgt Ion: 117 Resp: 1014

Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.9	116.9#
121	0.0	24.8	37.2#

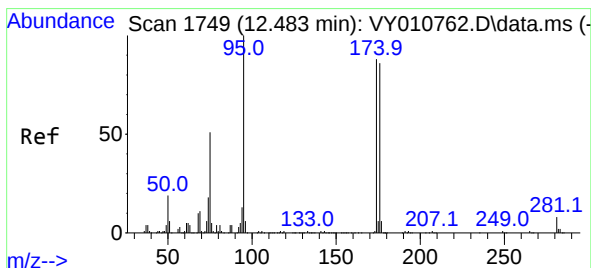
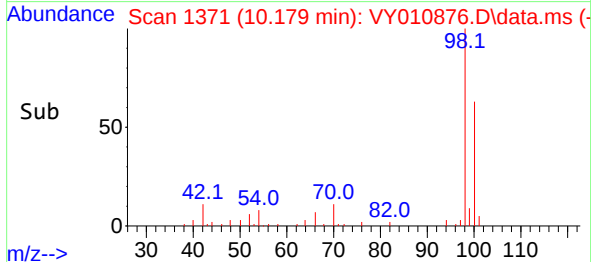
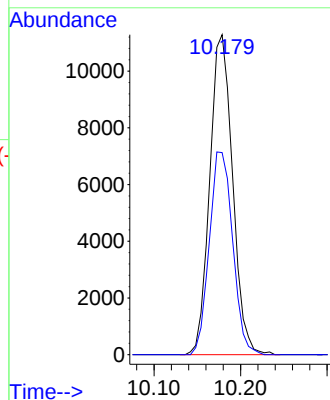
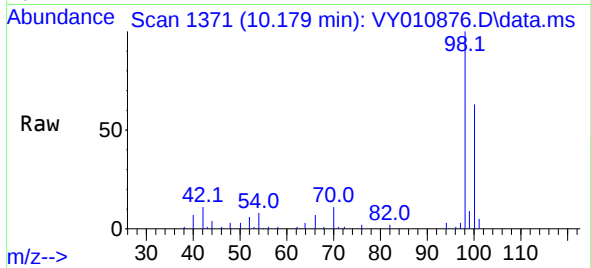




#50
Toluene-d8
Concen: 54.601 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

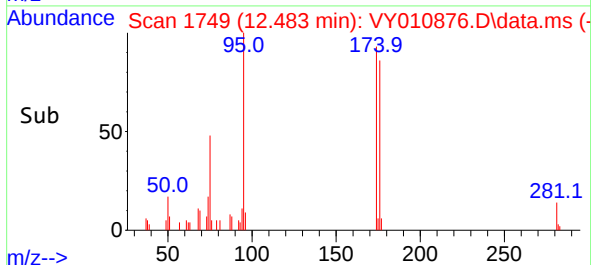
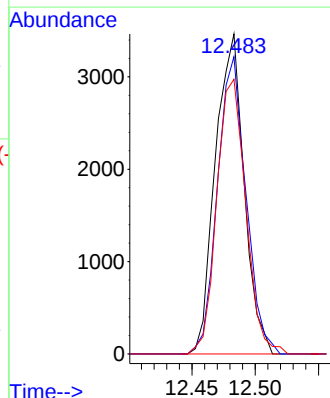
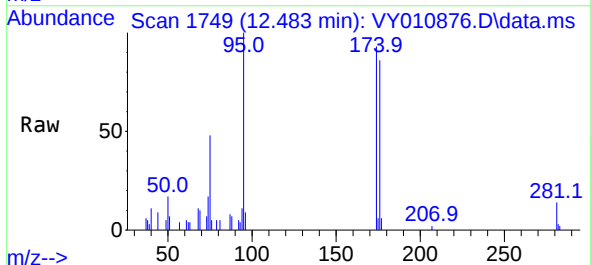
Instrument :
MSVOA_Y
ClientSampleId :
R-4

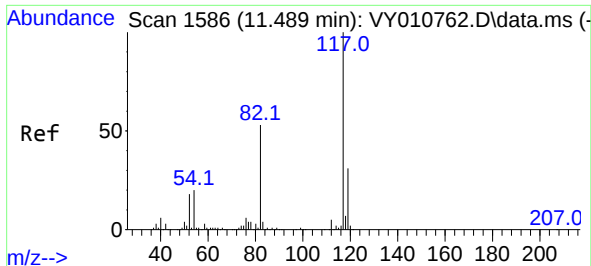
Tgt Ion: 98 Resp: 20658
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.945 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

Tgt Ion: 95 Resp: 5466
Ion Ratio Lower Upper
95 100
174 91.8 0.0 177.0
176 86.6 0.0 175.8

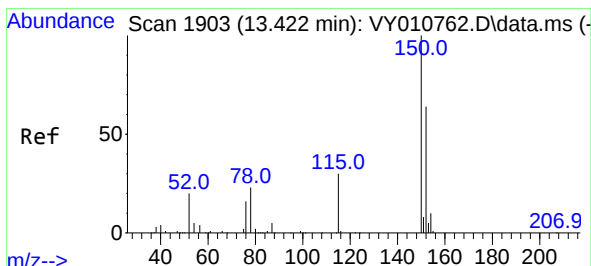
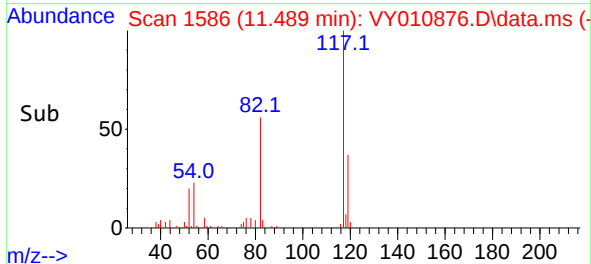
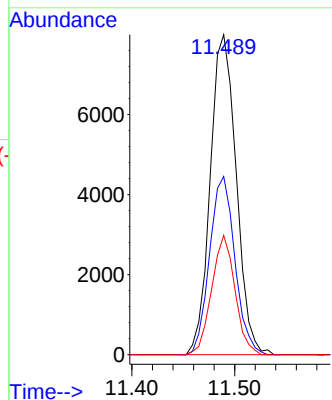
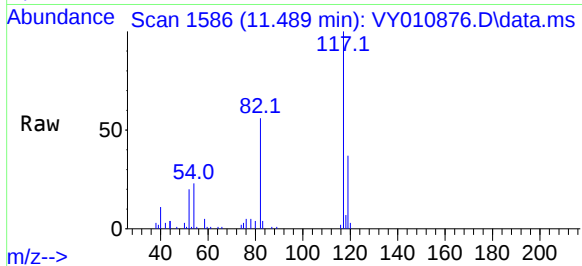




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

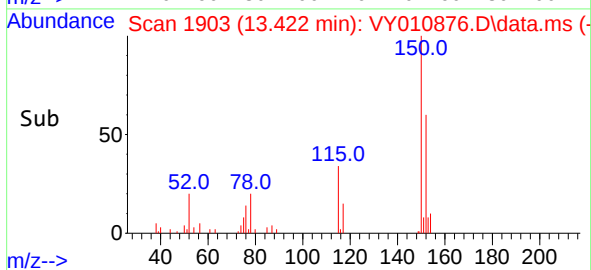
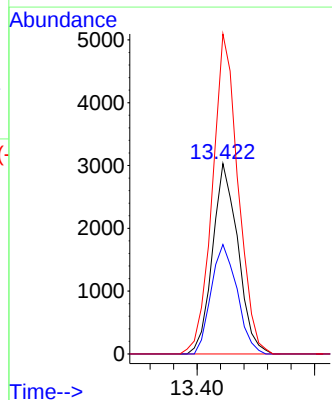
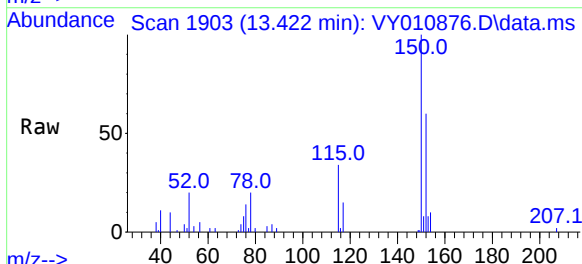
Instrument :
MSVOA_Y
ClientSampleId :
R-4

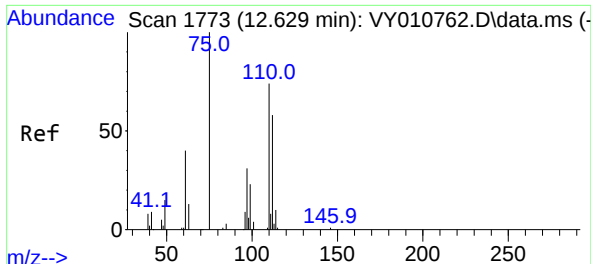
Tgt Ion:	117	Resp:	14027
Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.0	64.4
119	37.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

Tgt Ion:	152	Resp:	4555
Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.2	84.7
150	169.6	0.0	347.6

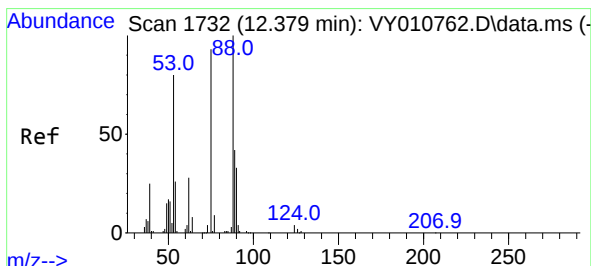
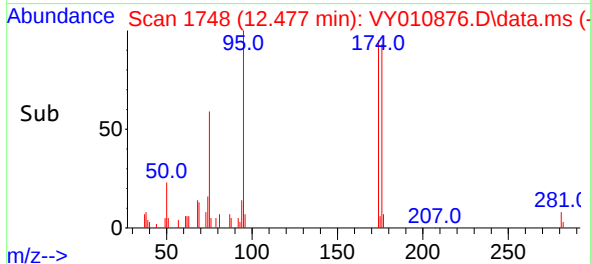
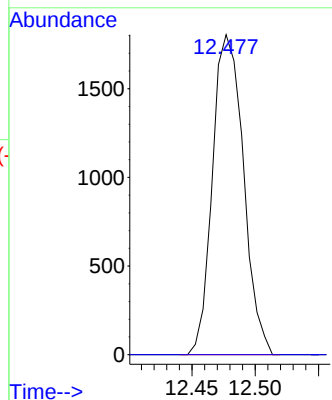
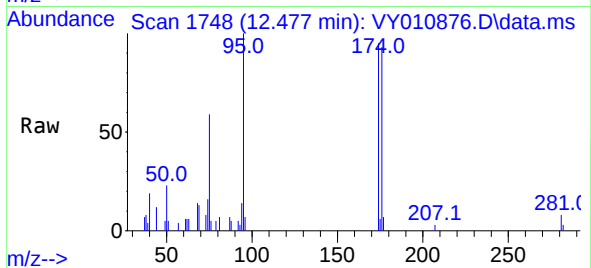




#76
1,2,3-Trichloropropane
Concen: 66.554 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

Instrument :
MSVOA_Y
ClientSampleId :
R-4

Tgt Ion: 75 Resp: 3070
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 139.025 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010876.D
Acq: 07 Oct 2022 16:50

Tgt Ion: 75 Resp: 3070
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

