

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012134.D
 Acq On : 10 Jan 2023 11:50
 Operator : KP/MD
 Sample : 01065-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 11 03:08:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

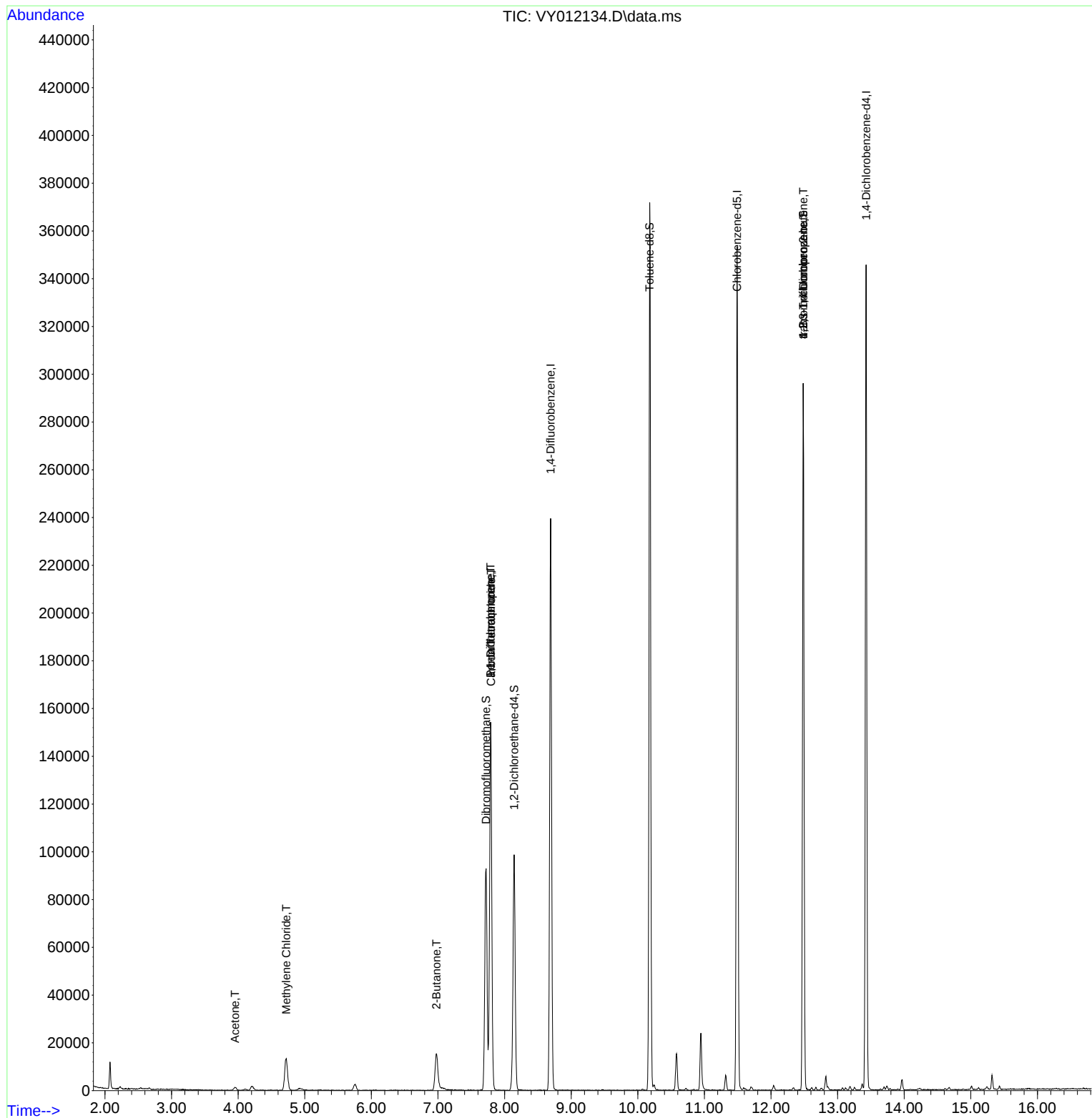
Internal Standards						
1) Pentafluorobenzene	7.789	168	120530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	207842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	202966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	79012	58.340	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.680%	
35) Dibromofluoromethane	7.721	113	65033	47.605	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.200%	
50) Toluene-d8	10.178	98	248049	46.003	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.000%	
62) 4-Bromofluorobenzene	12.483	95	81811	43.406	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	294	Below Cal	#	41
5) Bromomethane	2.674	94	332	Below Cal	#	68
11) Tert butyl alcohol	4.923	59	752	Below Cal	#	74
16) Acetone	3.954	43	2177	6.833	ug/l #	88
17) Carbon Disulfide	4.198	76	86	Below Cal	#	75
20) Methylene Chloride	4.722	84	11140	2.670	ug/l #	88
25) 2-Butanone	6.978	43	1452	3.454	ug/l #	88
31) Cyclohexane	7.795	56	2391	Below Cal	#	23
36) 1,1-Dichloropropene	7.789	75	8573	4.136	ug/l #	50
38) Carbon Tetrachloride	7.795	117	12515	4.757	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	44687	42.552	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44687	94.501	ug/l #	13

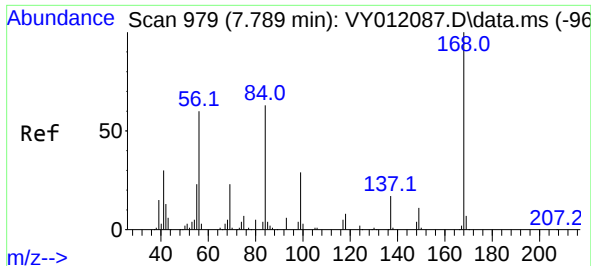
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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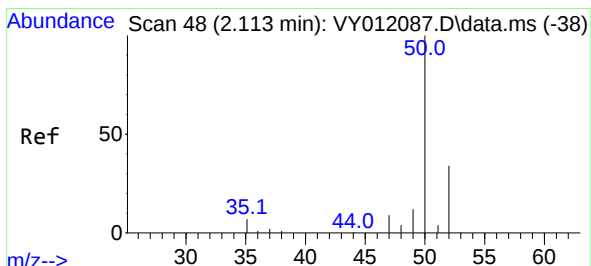
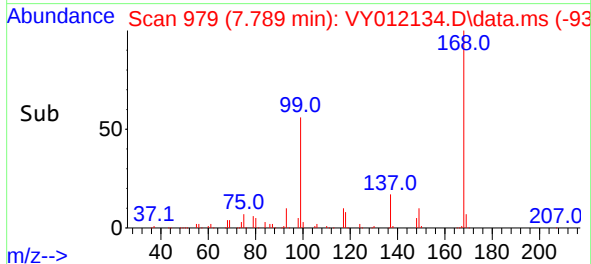
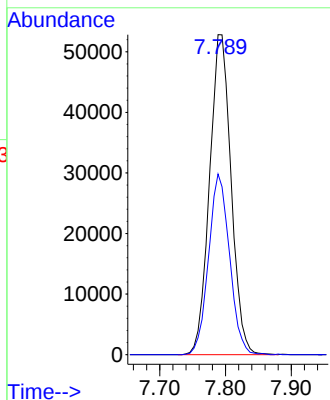
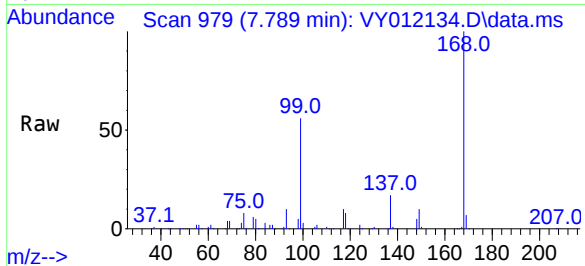




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

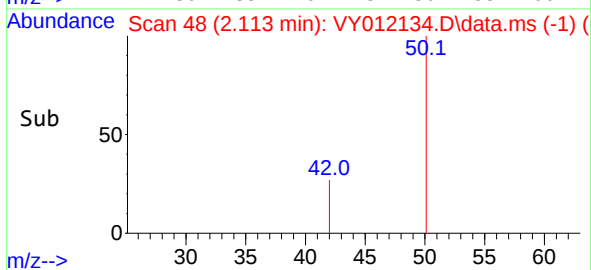
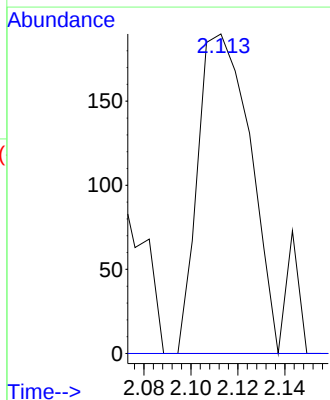
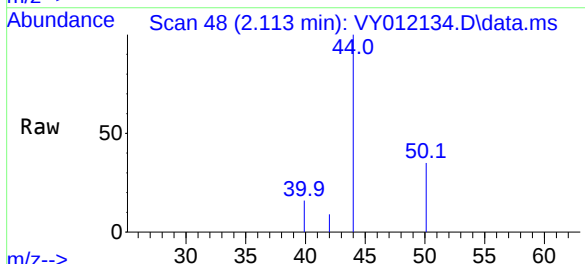
Instrument :
MSVOA_Y
ClientSampleId :

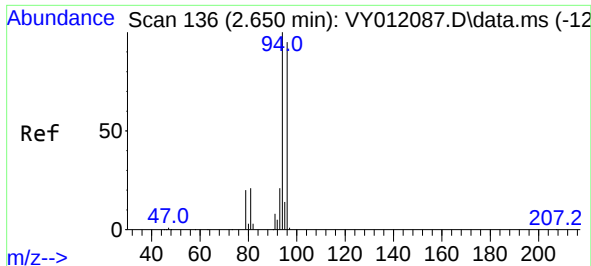
Tgt Ion:168 Resp: 120530
Ion Ratio Lower Upper
168 100
99 56.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

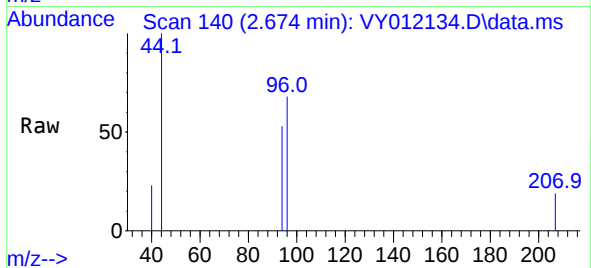
Tgt Ion: 50 Resp: 294
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



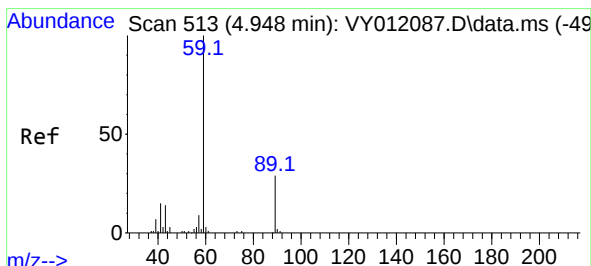
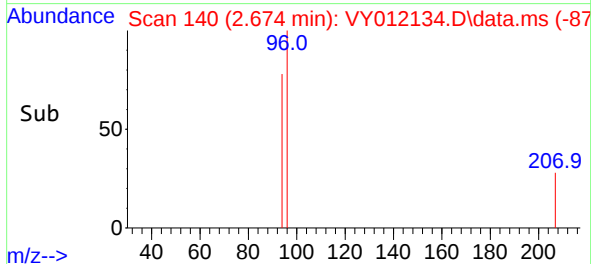
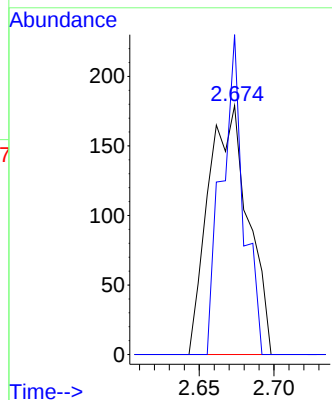


#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

Instrument :
MSVOA_Y
ClientSampleId :

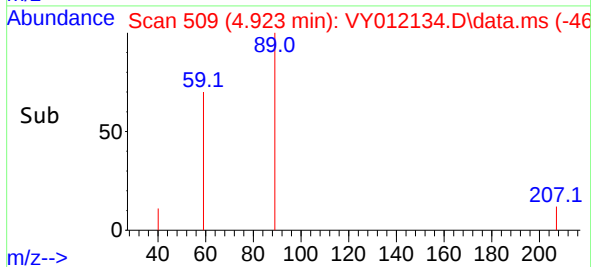
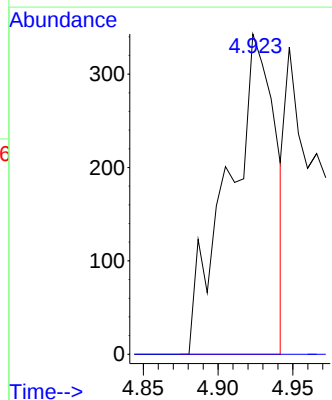
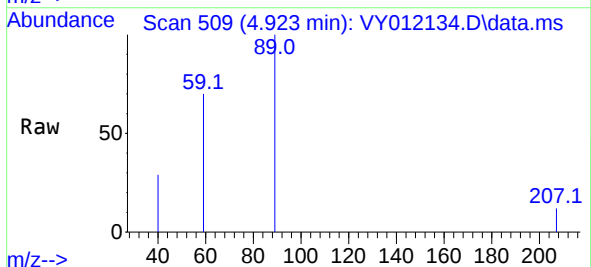


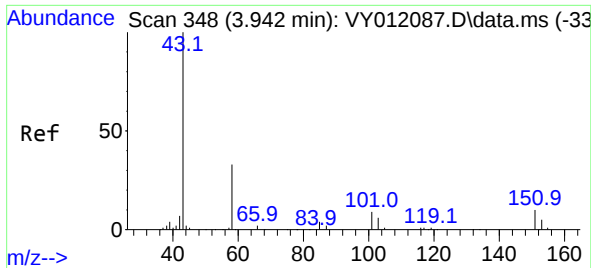
Tgt Ion: 94 Resp: 332
Ion Ratio Lower Upper
94 100
96 128.5 77.4 116.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

Tgt Ion: 59 Resp: 752
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

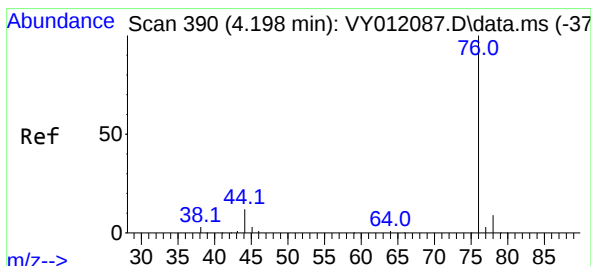
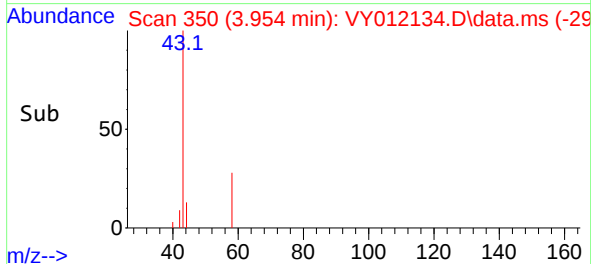
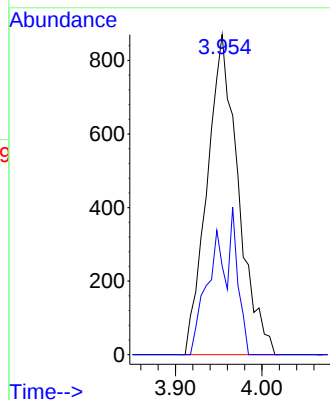
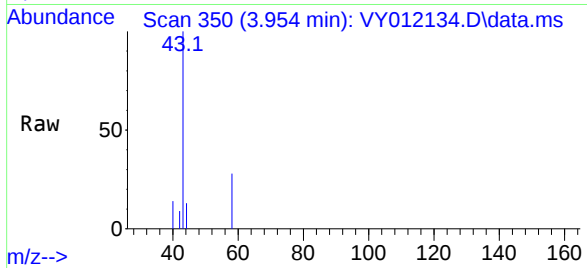




#16
Acetone
Concen: 6.833 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

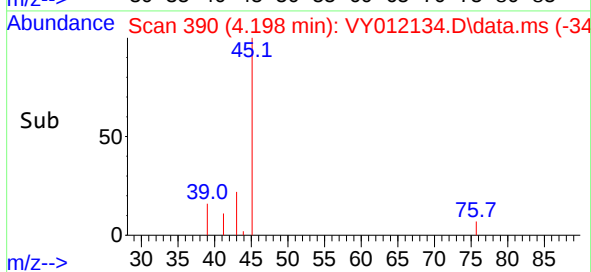
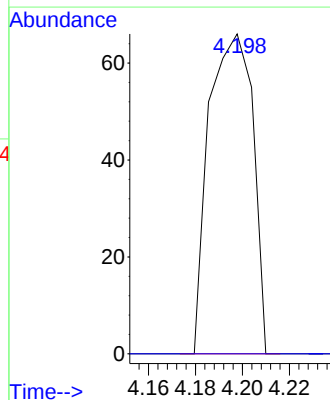
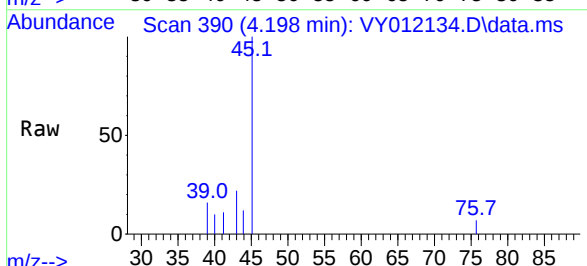
Instrument :
MSVOA_Y
ClientSampleId :

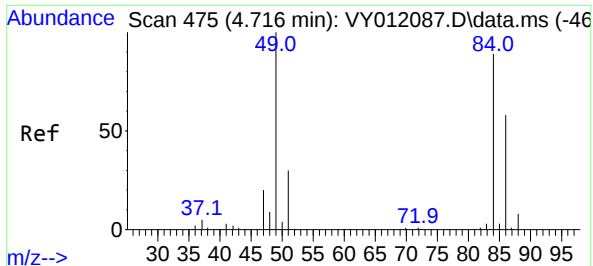
Tgt Ion: 43 Resp: 2177
Ion Ratio Lower Upper
43 100
58 27.8 27.9 41.9#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

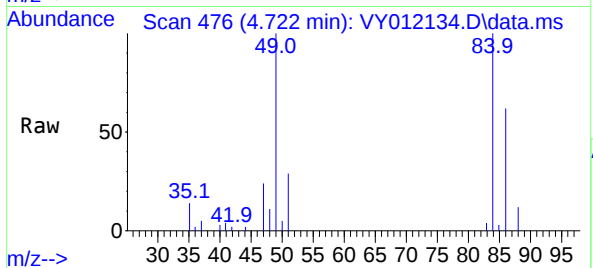
Tgt Ion: 76 Resp: 86
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





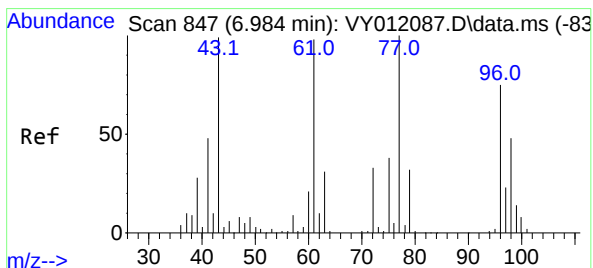
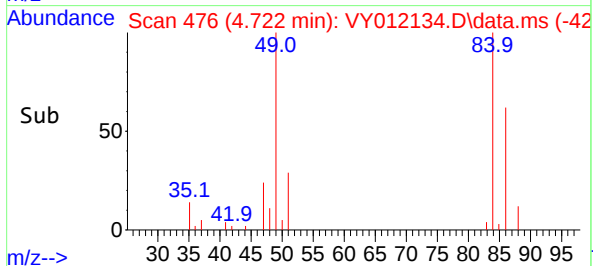
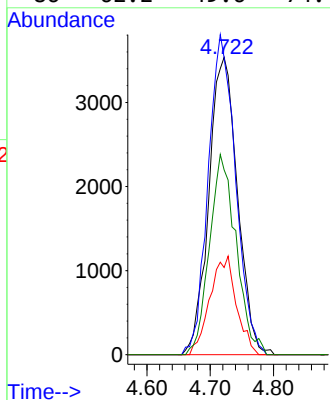
#20
Methylene Chloride
Concen: 2.670 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 11140

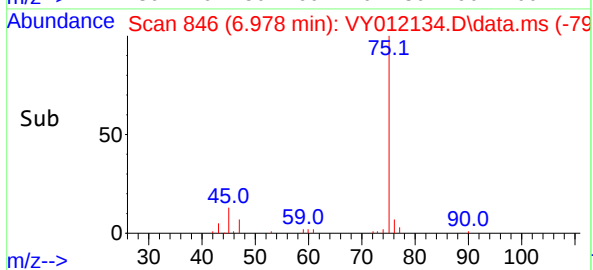
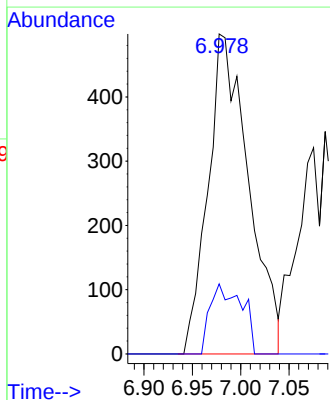
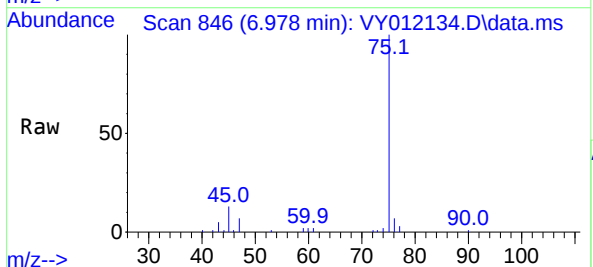
Ion	Ratio	Lower	Upper
84	100		
49	99.9	95.4	143.2
51	29.3	29.9	44.9#
86	62.2	49.6	74.4

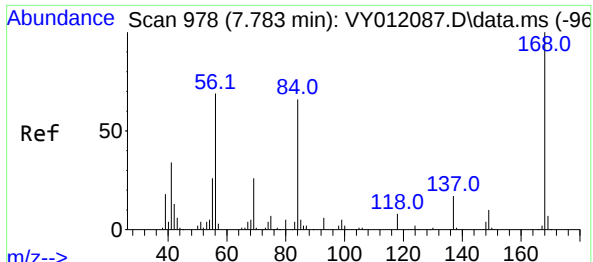


#25
2-Butanone
Concen: 3.454 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

Tgt Ion: 43 Resp: 1452

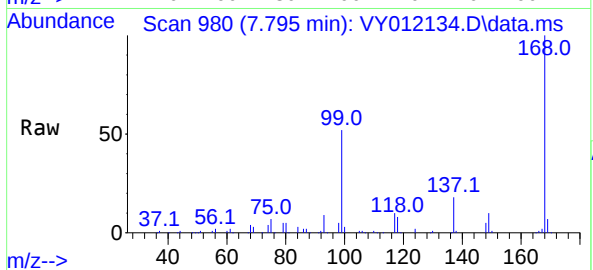
Ion	Ratio	Lower	Upper
43	100		
72	21.9	22.6	34.0#



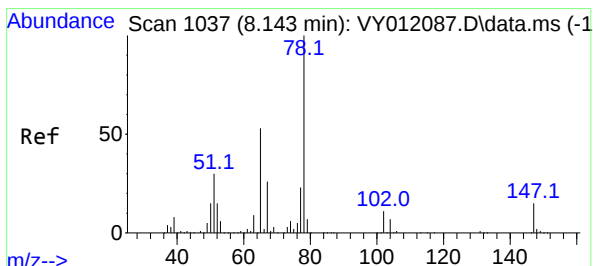
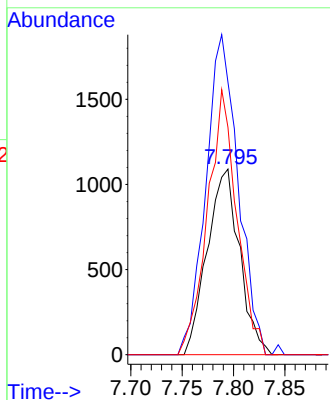
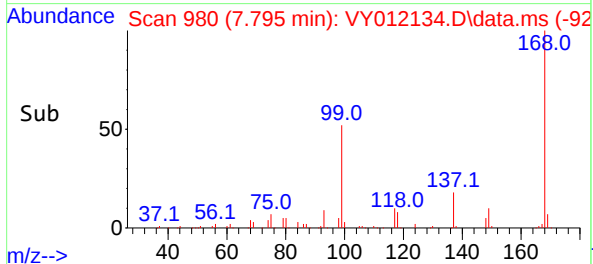


#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

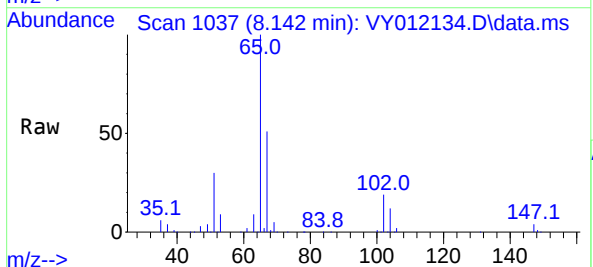
Instrument :
MSVOA_Y
ClientSampleId :



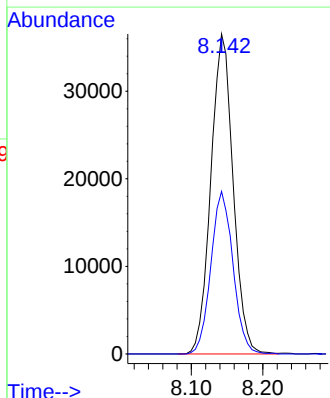
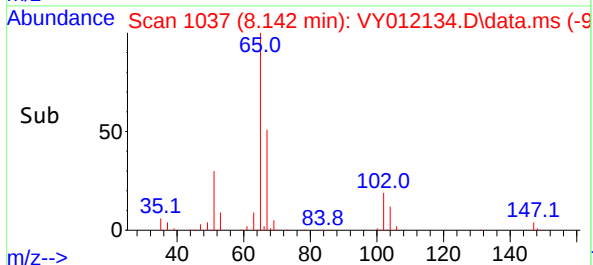
Tgt Ion: 56 Resp: 2391
Ion Ratio Lower Upper
56 100
69 146.7 29.2 43.8#
84 122.5 72.6 108.8#

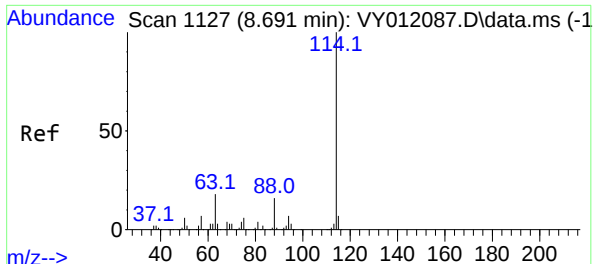


#33
1,2-Dichloroethane-d4
Concen: 58.340 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50



Tgt Ion: 65 Resp: 79012
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012134.D

Acq: 10 Jan 2023 11:50

Instrument :

MSVOA_Y

ClientSampleId :

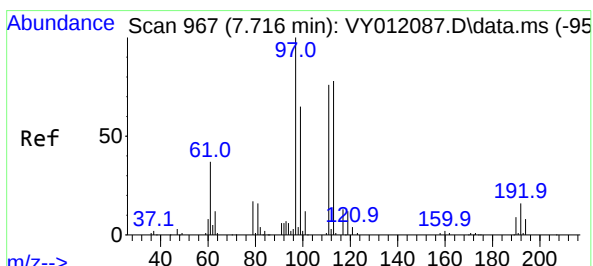
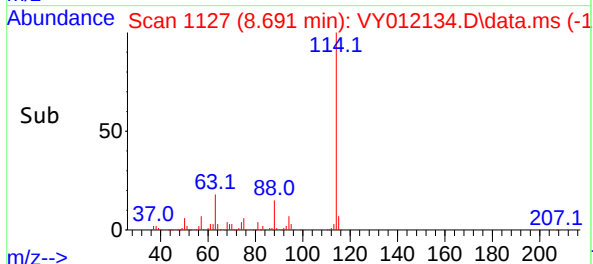
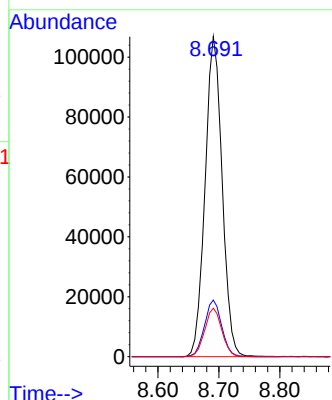
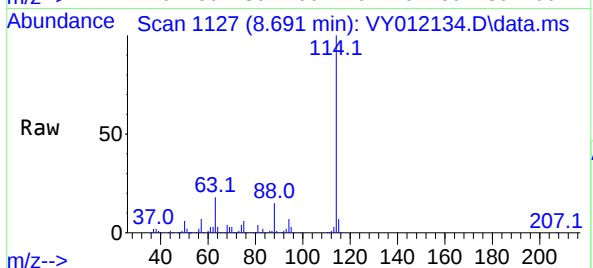
Tgt Ion:114 Resp: 207842

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.605 ug/l

RT: 7.721 min Scan# 968

Delta R.T. 0.005 min

Lab File: VY012134.D

Acq: 10 Jan 2023 11:50

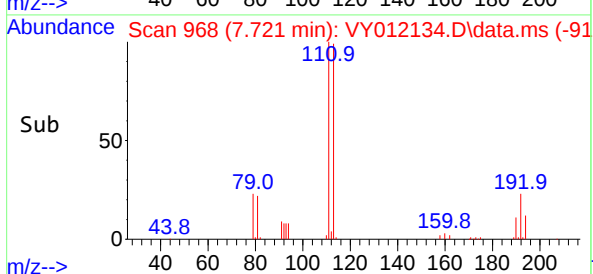
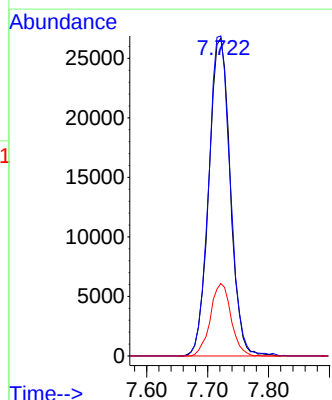
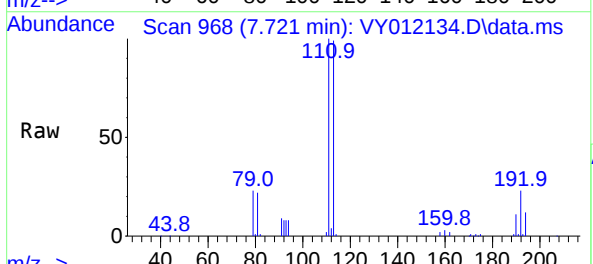
Tgt Ion:113 Resp: 65033

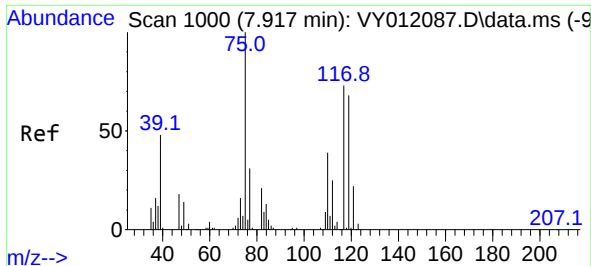
Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.4

192 22.1 16.0 24.0

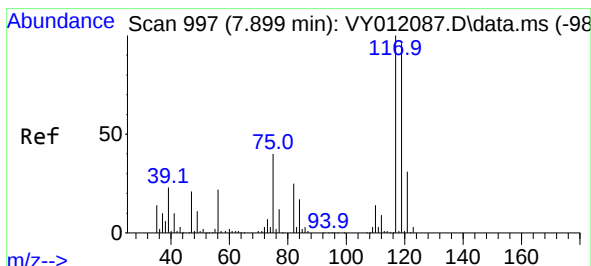
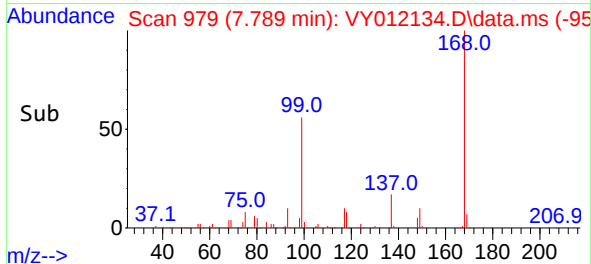
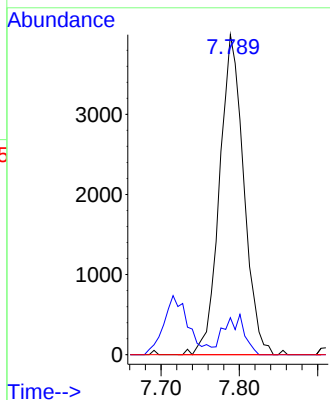
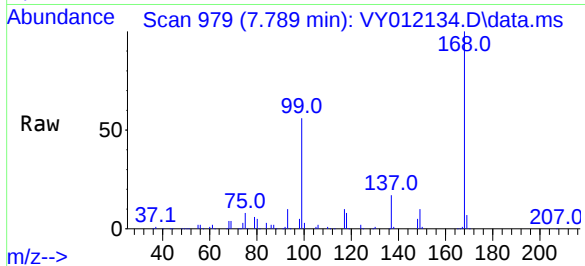




#36
1,1-Dichloropropene
Concen: 4.136 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

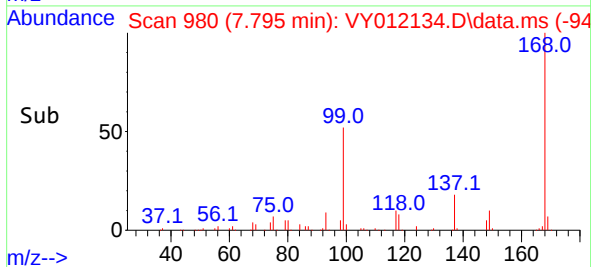
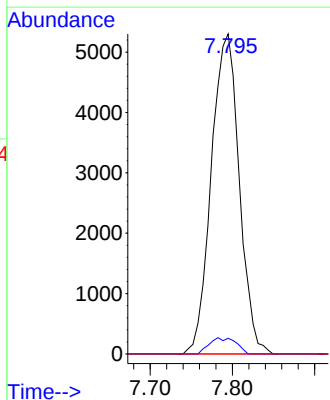
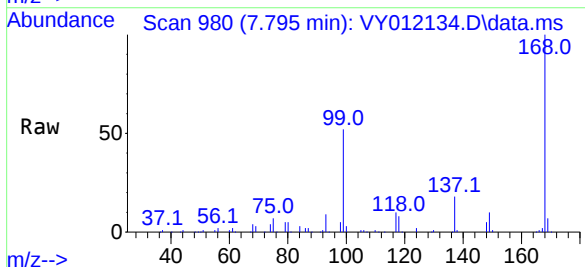
Instrument :
MSVOA_Y
ClientSampleId :

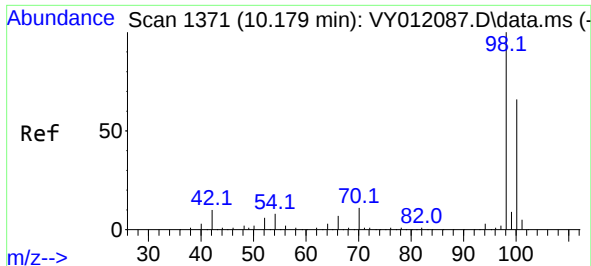
Tgt Ion: 75 Resp: 8573
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.757 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

Tgt Ion: 117 Resp: 12515
Ion Ratio Lower Upper
117 100
119 4.9 73.8 110.8#
121 0.0 25.2 37.8#

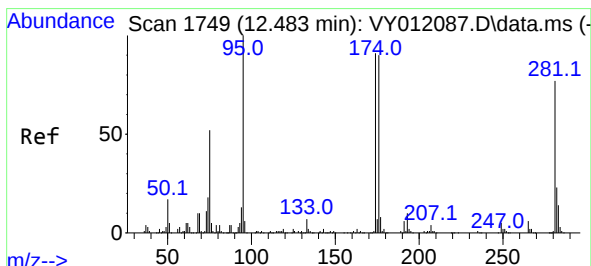
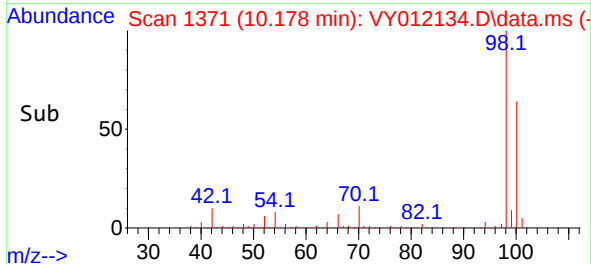
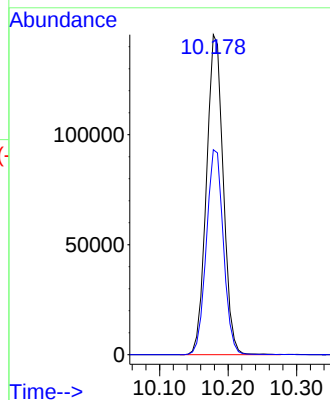
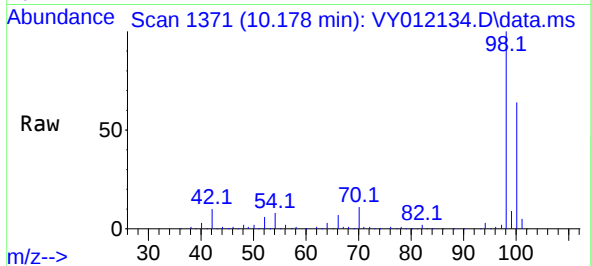




#50
Toluene-d8
Concen: 46.003 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

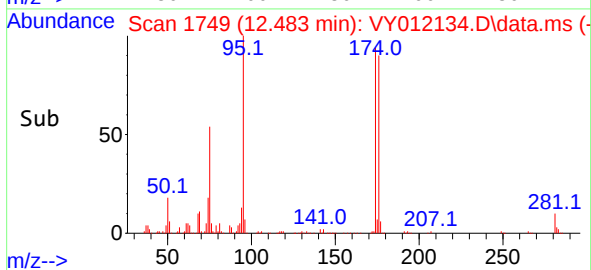
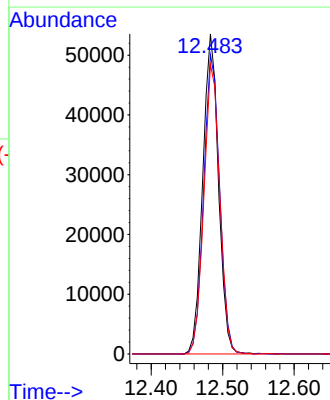
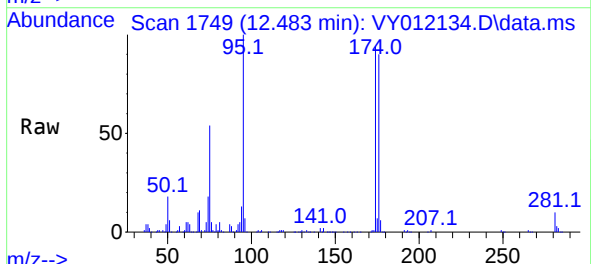
Instrument :
MSVOA_Y
ClientSampleId :

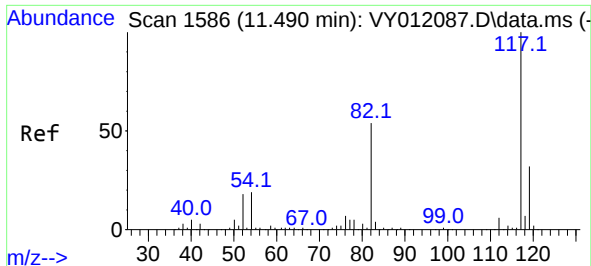
Tgt Ion: 98 Resp: 248049
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.406 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

Tgt Ion: 95 Resp: 81811
Ion Ratio Lower Upper
95 100
174 94.8 0.0 172.0
176 91.3 0.0 167.6

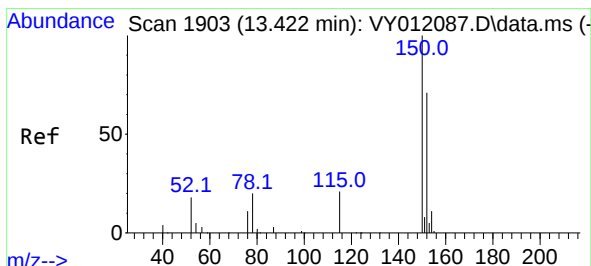
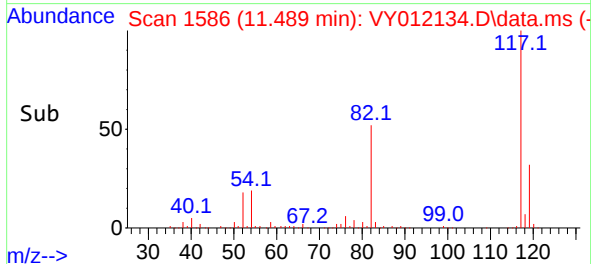
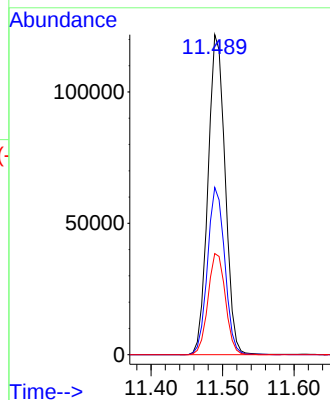
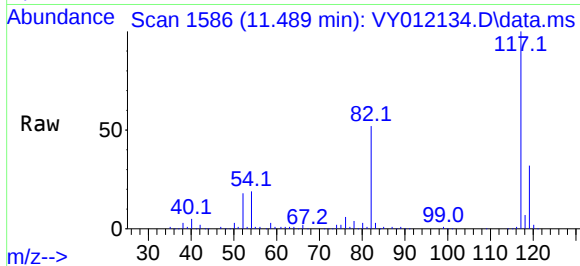




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

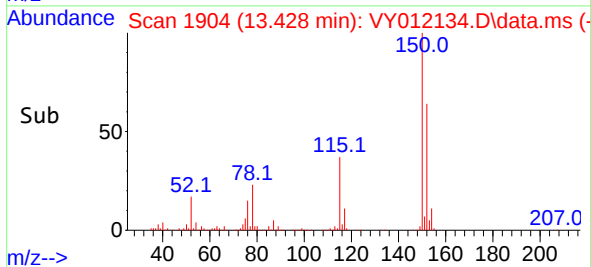
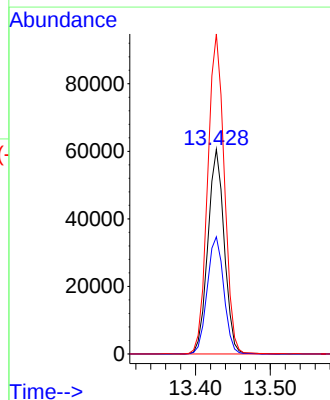
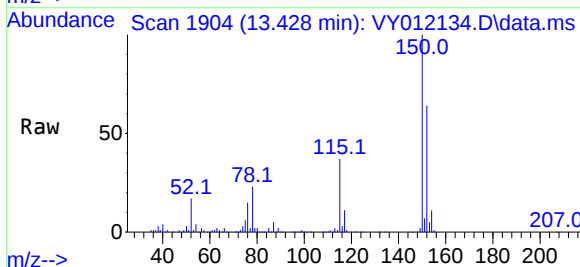
Instrument :
MSVOA_Y
ClientSampleId :

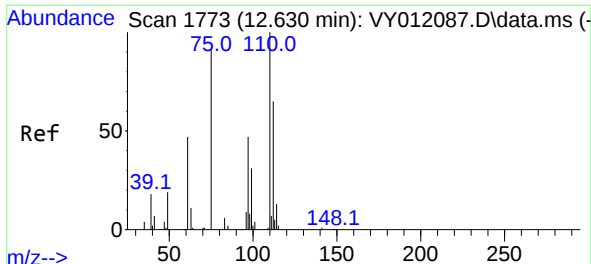
Tgt Ion:117 Resp: 202966
Ion Ratio Lower Upper
117 100
82 52.2 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

Tgt Ion:152 Resp: 91976
Ion Ratio Lower Upper
152 100
115 58.2 29.1 87.3
150 158.8 0.0 342.6

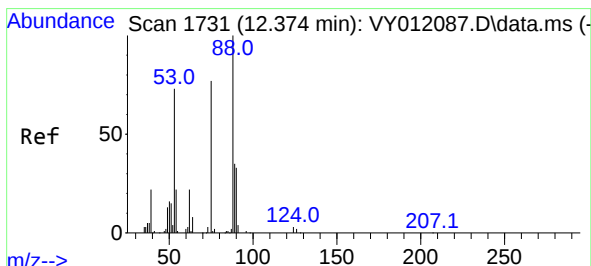
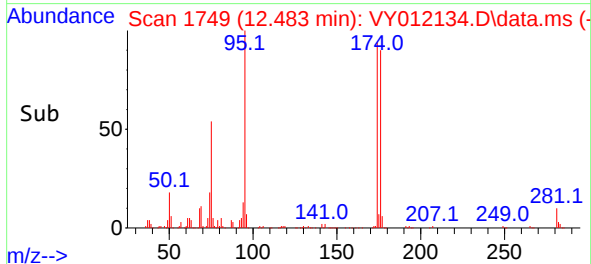
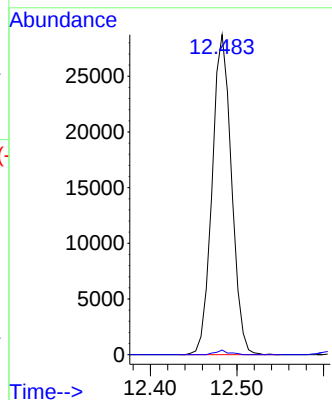
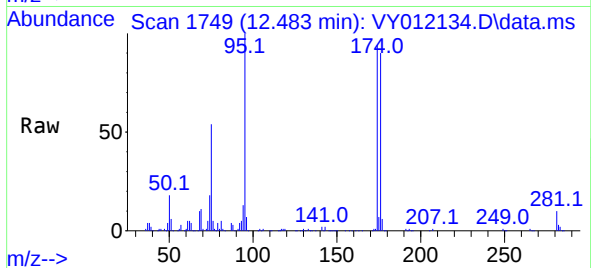




#76
1,2,3-Trichloropropane
Concen: 42.552 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 44687
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.501 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012134.D
Acq: 10 Jan 2023 11:50

Tgt Ion: 75 Resp: 44687
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#

