

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012423\
 Data File : VY012337.D
 Acq On : 24 Jan 2023 13:18
 Operator : KP/MD
 Sample : 01251-11RE
 Misc : 3.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 25 01:31:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

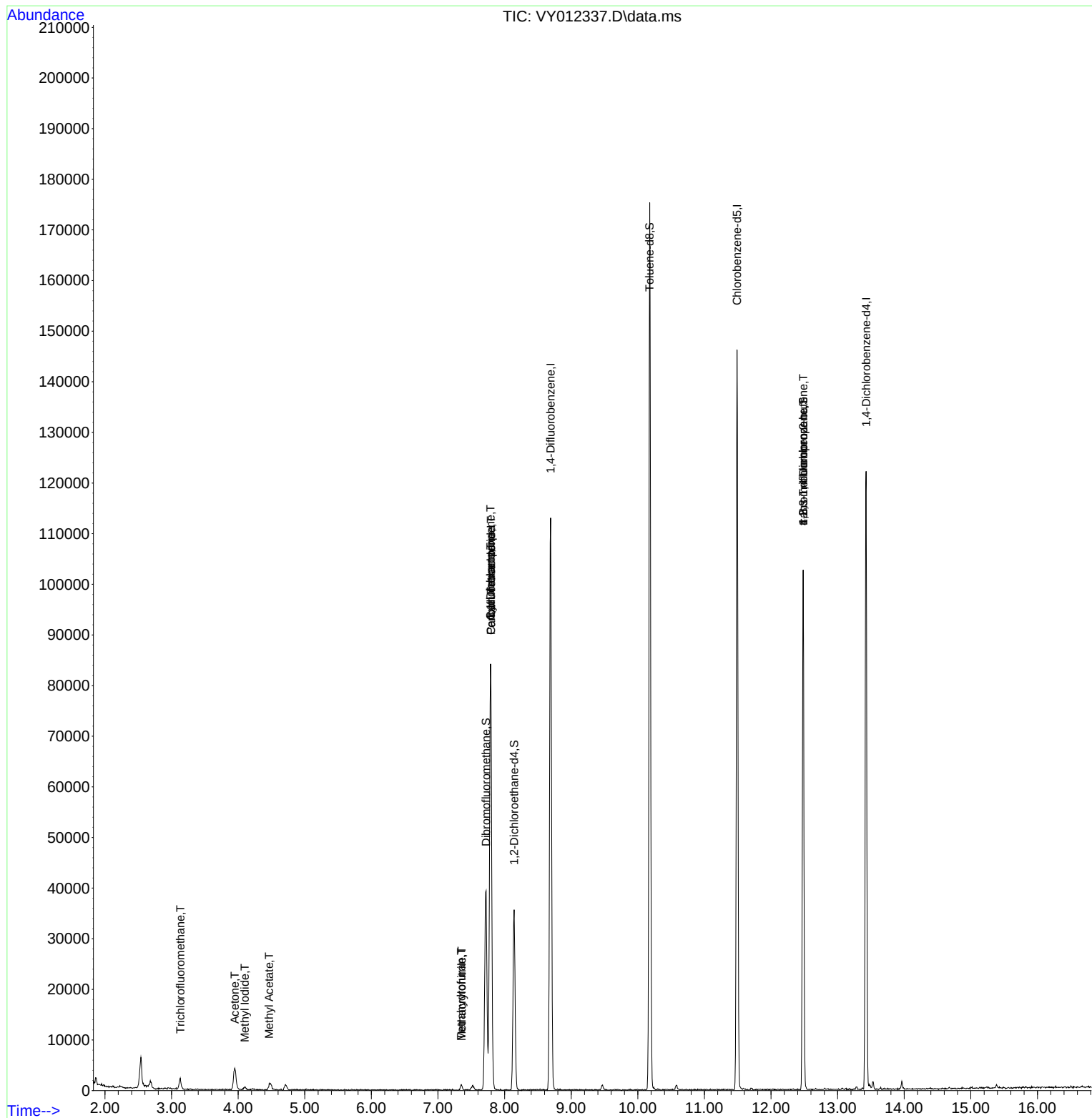
Internal Standards						
1) Pentafluorobenzene	7.795	168	68096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	101618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	83946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	34825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	30329	54.052	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.100%	
35) Dibromofluoromethane	7.722	113	26666	49.559	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.120%	
50) Toluene-d8	10.179	98	116812	63.858	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 127.720%	
62) 4-Bromofluorobenzene	12.483	95	30526	40.245	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.480%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.131	101	2201	1.759	ug/l	89
10) Methyl Iodide	4.101	142	988	1.067	ug/l #	87
16) Acetone	3.948	43	7521	39.664	ug/l	88
18) Methyl Acetate	4.466	43	2301	5.423	ug/l	92
20) Methylene Chloride	4.716	84	834	Below Cal		85
29) Tetrahydrofuran	7.350	42	680	5.914	ug/l	94
31) Cyclohexane	7.789	56	1206	1.215	ug/l #	18
36) 1,1-Dichloropropene	7.789	75	4359	4.767	ug/l #	51
38) Carbon Tetrachloride	7.795	117	6677	5.654	ug/l #	18
41) Methacrylonitrile	7.356	41	424	1.789	ug/l #	100
76) 1,2,3-Trichloropropane	12.483	75	16425	51.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	16425	105.683	ug/l #	13

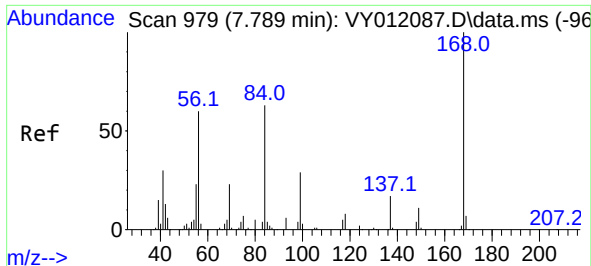
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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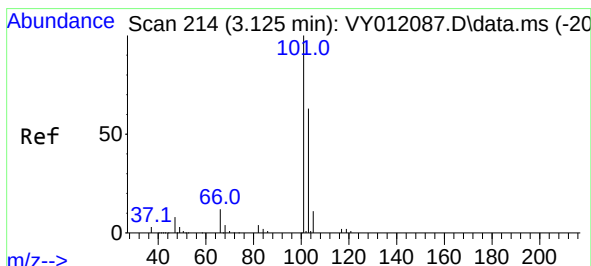
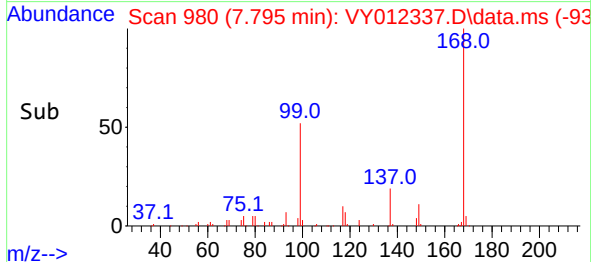
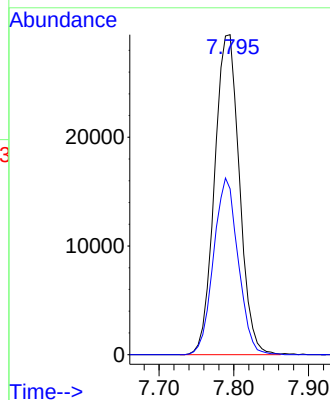
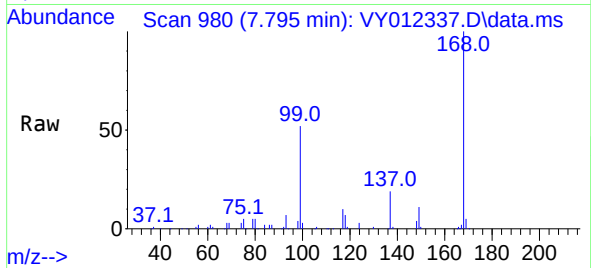




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

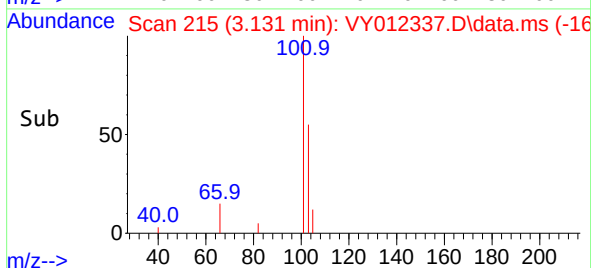
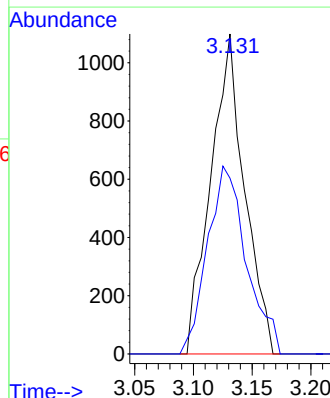
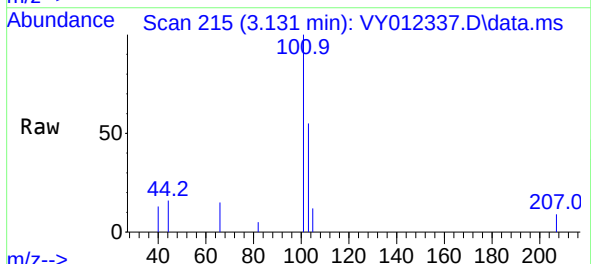
Instrument :
MSVOA_Y
ClientSampleId :

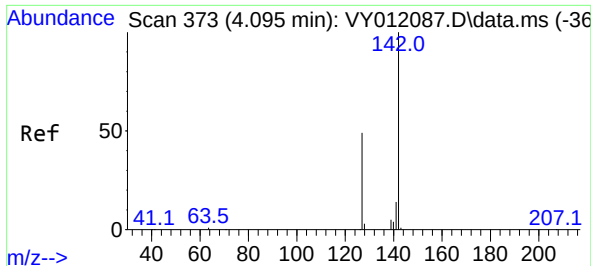
Tgt Ion:168 Resp: 68096
Ion Ratio Lower Upper
168 100
99 51.8 44.0 66.0



#7
Trichlorofluoromethane
Concen: 1.759 ug/l
RT: 3.131 min Scan# 215
Delta R.T. 0.006 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

Tgt Ion:101 Resp: 2201
Ion Ratio Lower Upper
101 100
103 55.0 51.0 76.6





#10

Methyl Iodide

Concen: 1.067 ug/l

RT: 4.101 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY012337.D

Acq: 24 Jan 2023 13:18

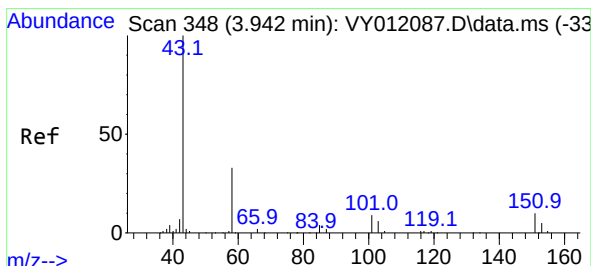
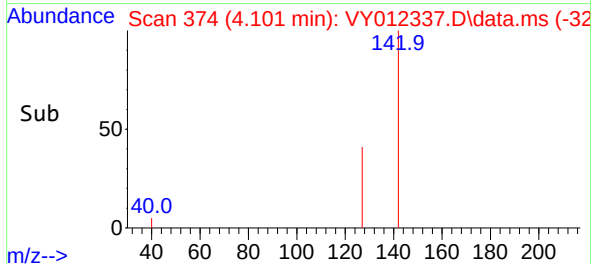
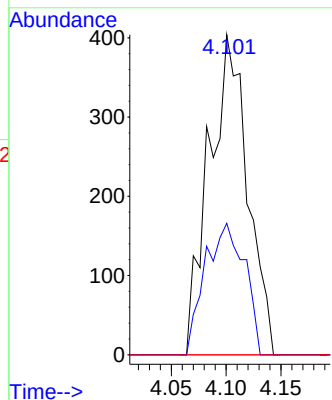
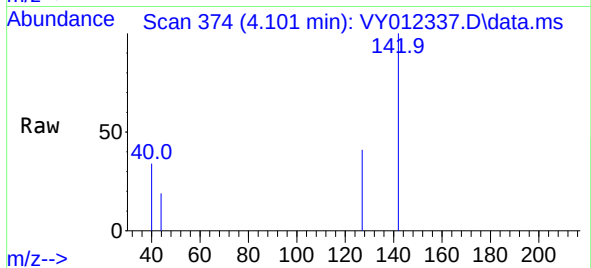
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:142 Resp: 988

Ion	Ratio	Lower	Upper
142	100		
127	42.1	37.0	55.4
141	0.0	11.4	17.0



#16

Acetone

Concen: 39.664 ug/l

RT: 3.948 min Scan# 349

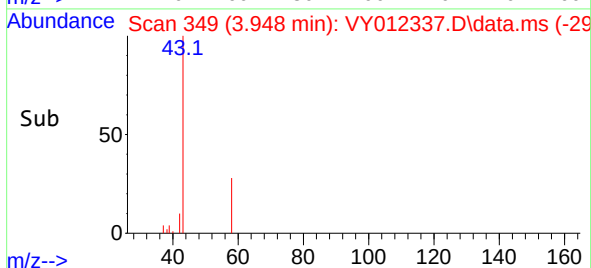
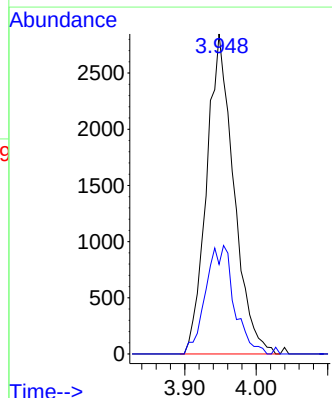
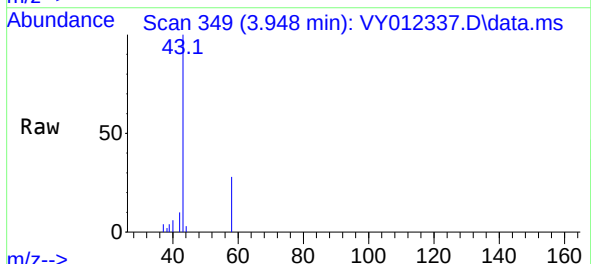
Delta R.T. 0.006 min

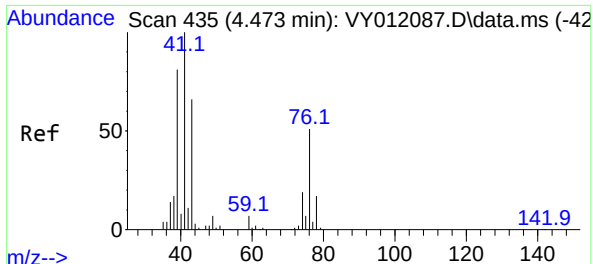
Lab File: VY012337.D

Acq: 24 Jan 2023 13:18

Tgt Ion: 43 Resp: 7521

Ion	Ratio	Lower	Upper
43	100		
58	28.0	27.9	41.9

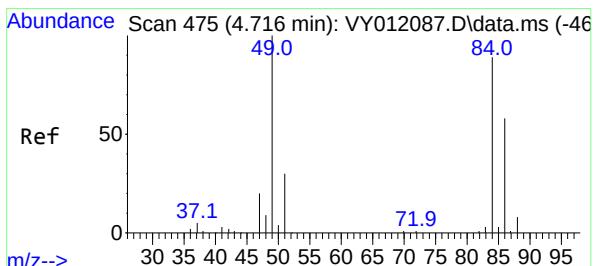
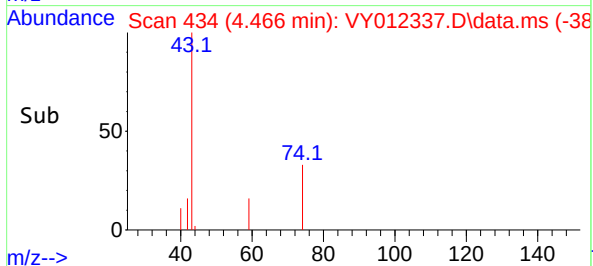
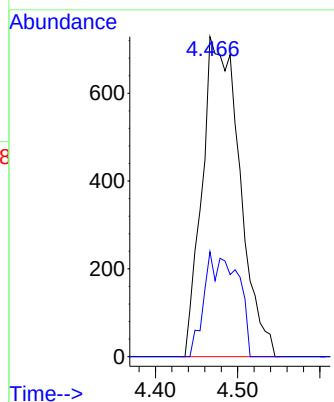
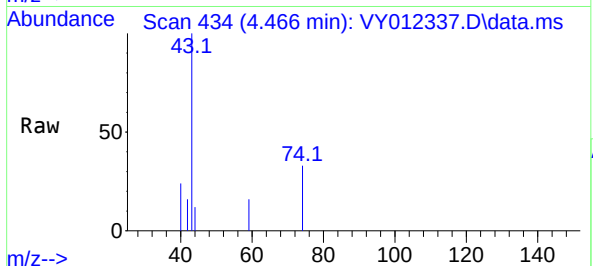




#18
Methyl Acetate
Concen: 5.423 ug/l
RT: 4.466 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

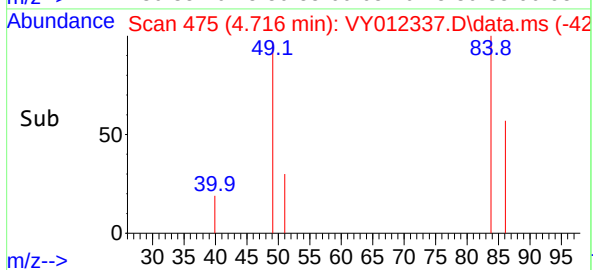
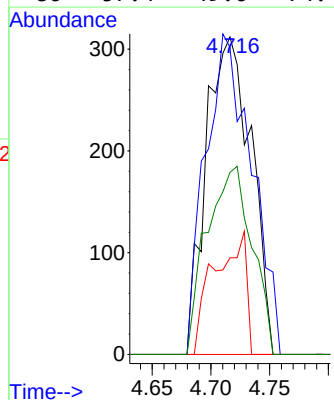
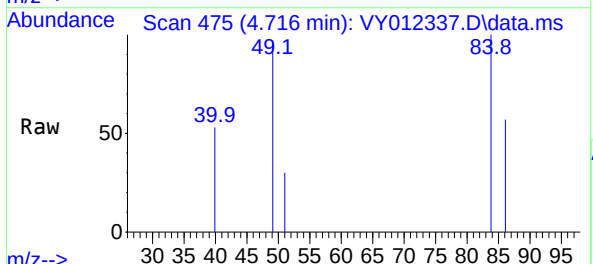
Instrument :
MSVOA_Y
ClientSampleId :

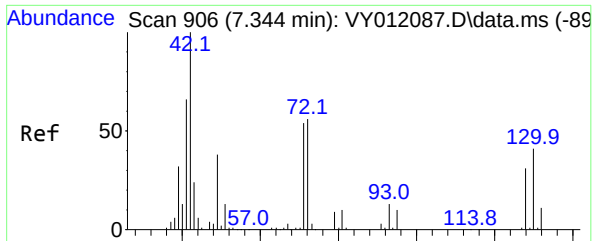
Tgt Ion: 43 Resp: 2301
Ion Ratio Lower Upper
43 100
74 29.0 20.1 30.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

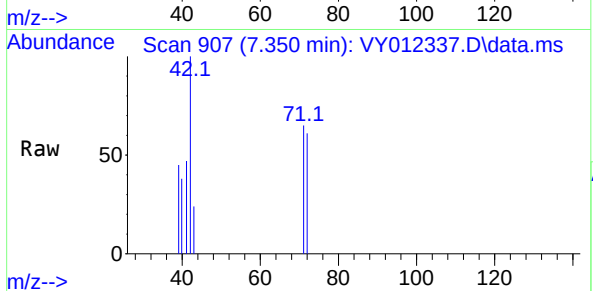
Tgt Ion: 84 Resp: 834
Ion Ratio Lower Upper
84 100
49 96.8 95.4 143.2
51 30.4 29.9 44.9
86 57.4 49.6 74.4





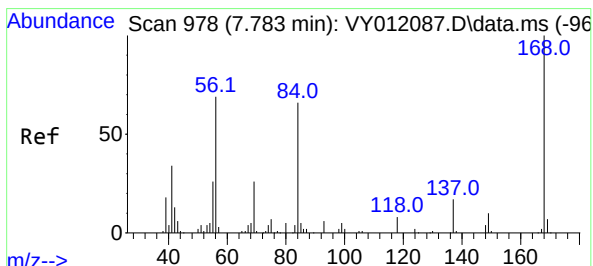
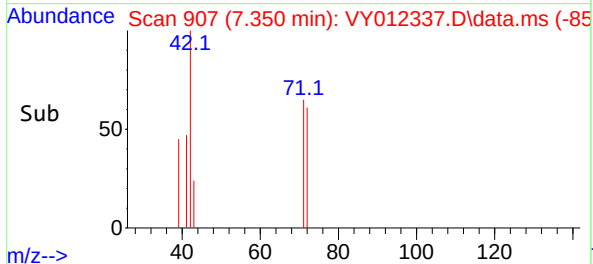
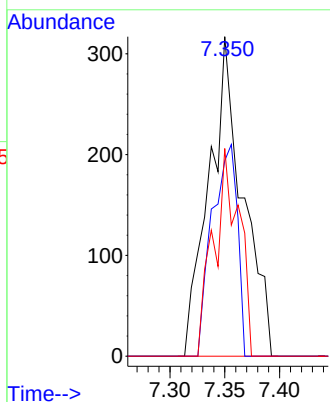
#29
Tetrahydrofuran
Concen: 5.914 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 42 Resp: 680

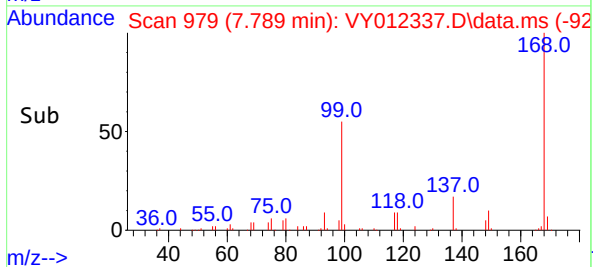
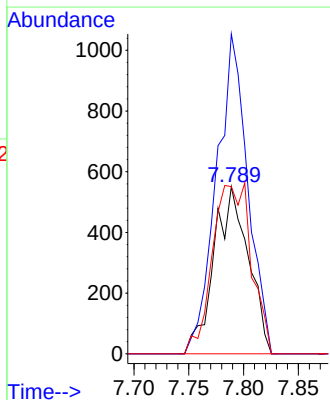
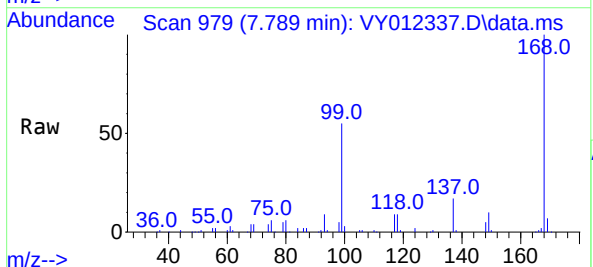
Ion	Ratio	Lower	Upper
42	100		
72	49.3	37.0	55.6
71	48.8	34.9	52.3

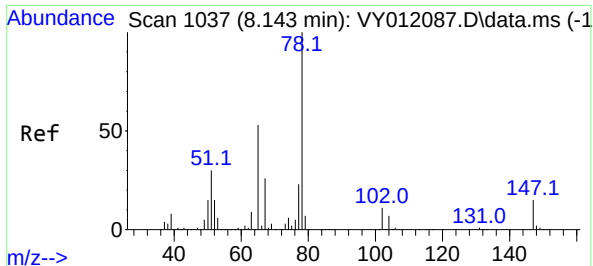


#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

Tgt Ion: 56 Resp: 1206

Ion	Ratio	Lower	Upper
56	100		
69	191.3	29.2	43.8#
84	100.0	72.6	108.8





#33

1,2-Dichloroethane-d4

Concen: 54.052 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012337.D

Acq: 24 Jan 2023 13:18

Instrument :

MSVOA_Y

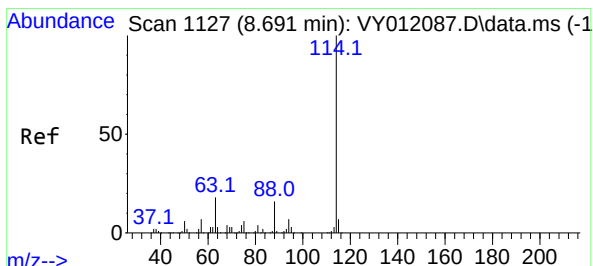
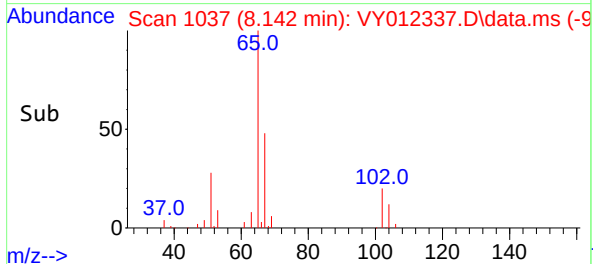
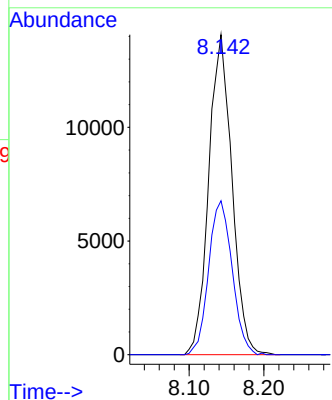
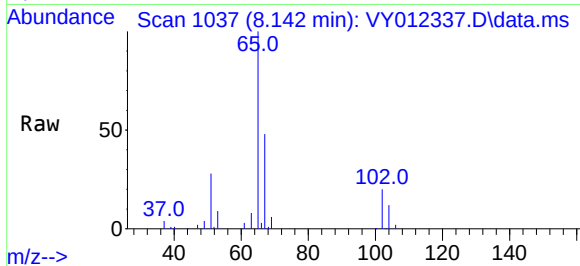
ClientSampleId :

Tgt Ion: 65 Resp: 30329

Ion Ratio Lower Upper

65 100

67 48.8 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: VY012337.D

Acq: 24 Jan 2023 13:18

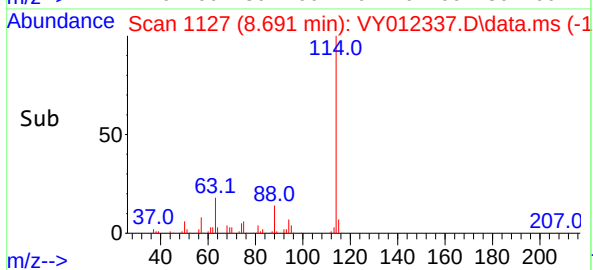
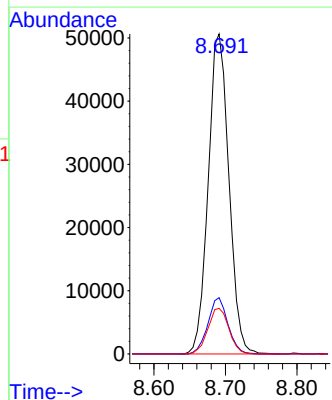
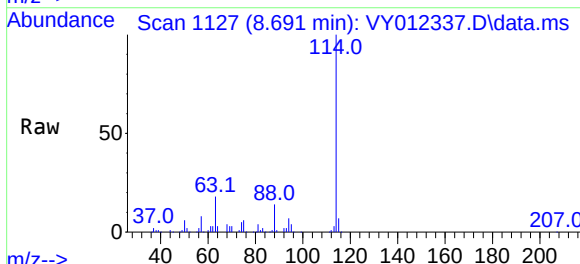
Tgt Ion:114 Resp: 101618

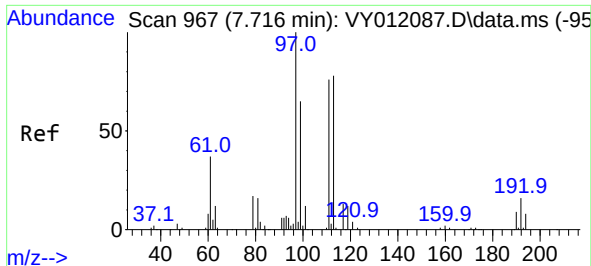
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

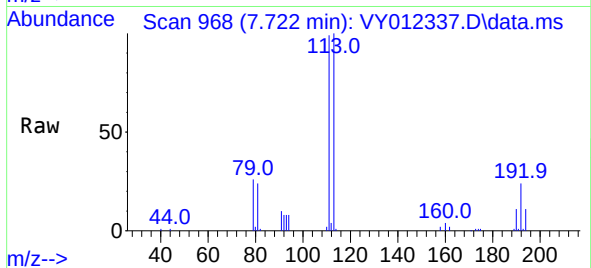
88 14.3 0.0 32.2



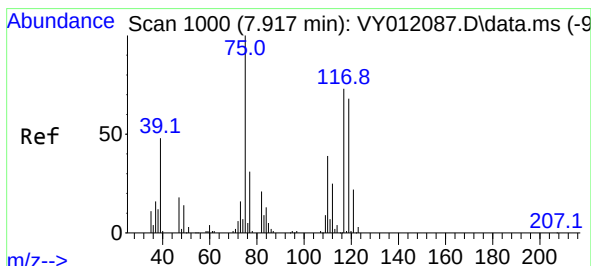
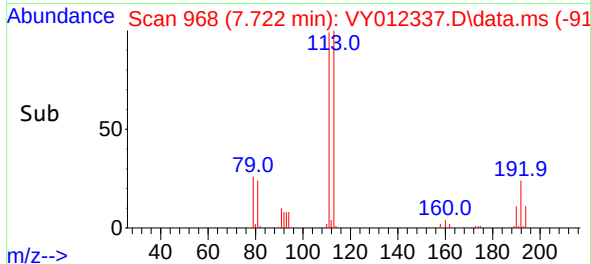
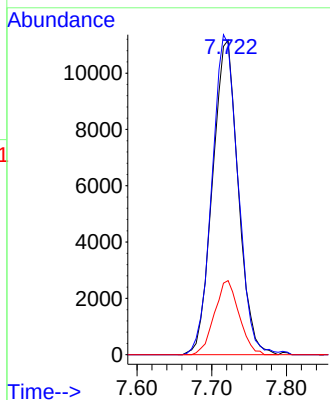


#35
Dibromofluoromethane
Concen: 49.559 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

Instrument :
MSVOA_Y
ClientSampleId :

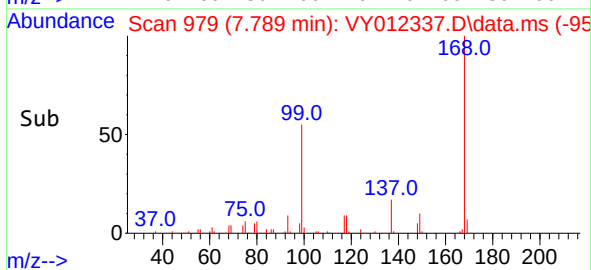
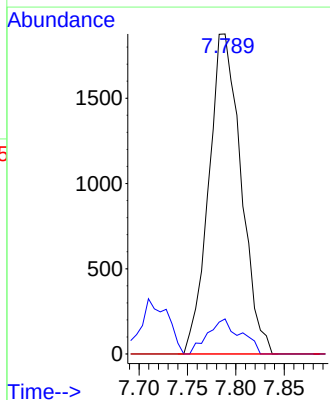
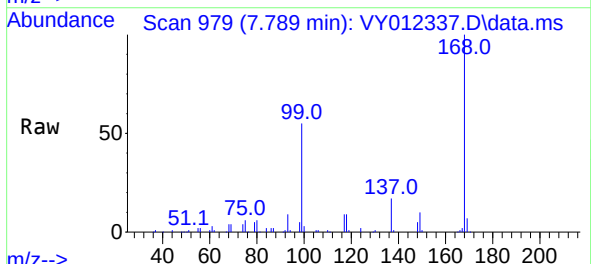


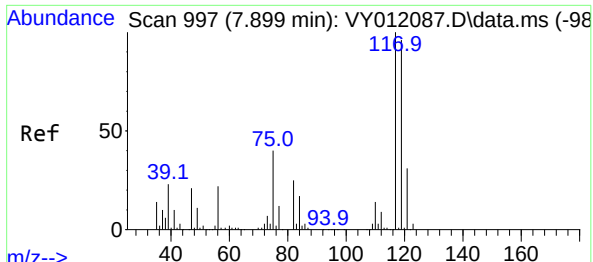
Tgt Ion:113 Resp: 26666
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.4
192 22.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.767 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

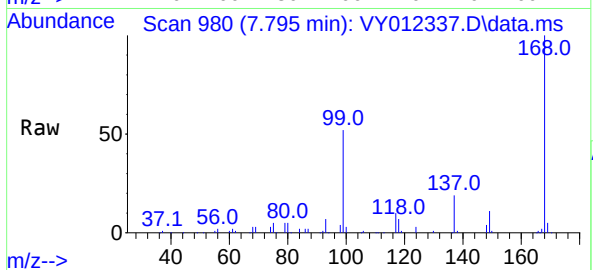
Tgt Ion: 75 Resp: 4359
Ion Ratio Lower Upper
75 100
110 11.1 18.1 54.1#
77 0.0 25.1 37.7#



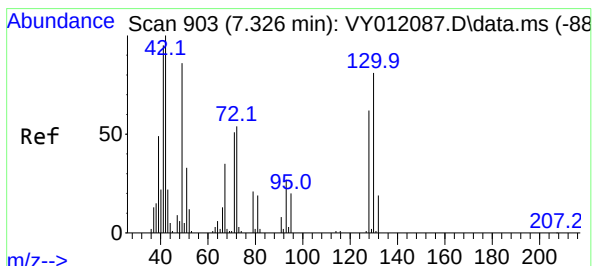
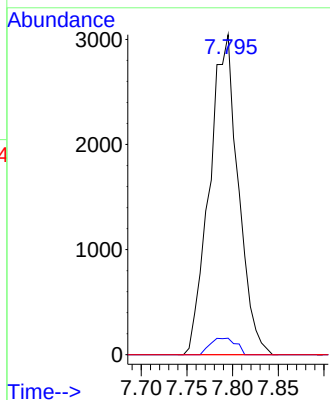
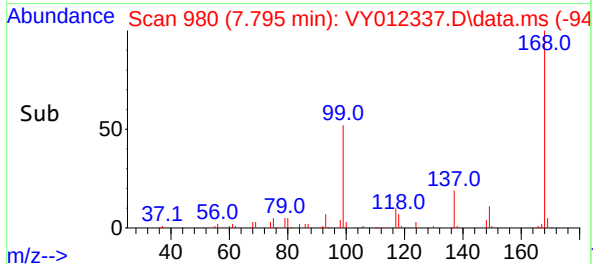


#38
Carbon Tetrachloride
Concen: 5.654 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

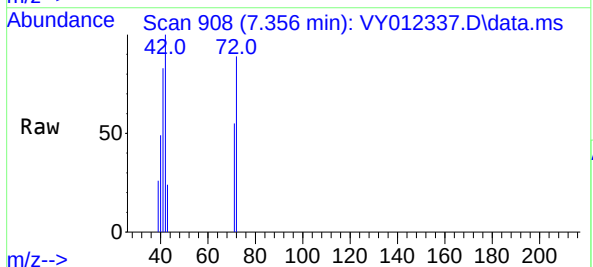
Instrument :
MSVOA_Y
ClientSampleId :



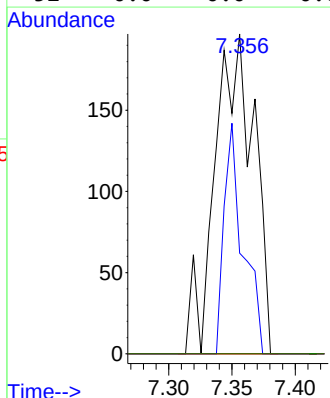
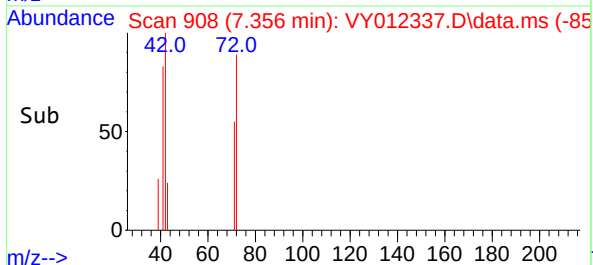
Tgt Ion:117 Resp: 6677
Ion Ratio Lower Upper
117 100
119 5.2 73.8 110.8#
121 0.0 25.2 37.8#

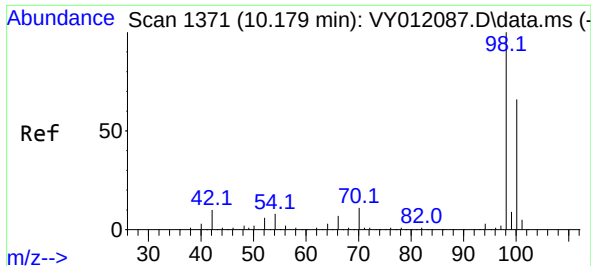


#41
Methacrylonitrile
Concen: 1.789 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.030 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18



Tgt Ion: 41 Resp: 424
Ion Ratio Lower Upper
41 100
39 34.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

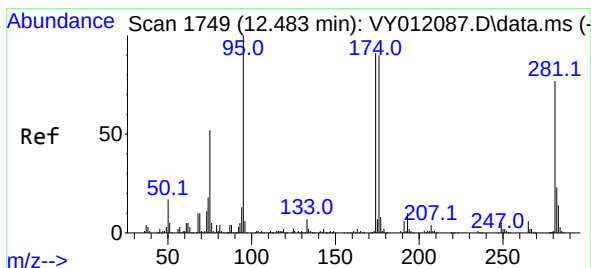
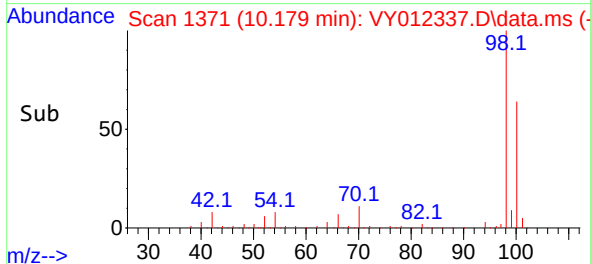
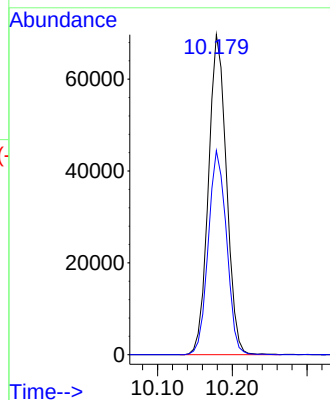
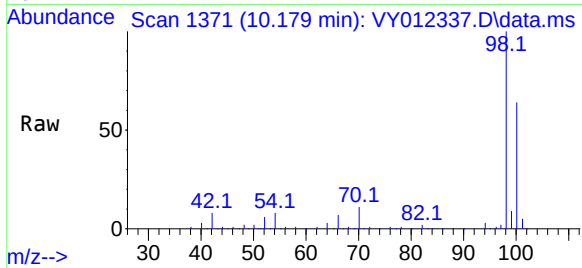




#50
Toluene-d8
Concen: 63.858 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

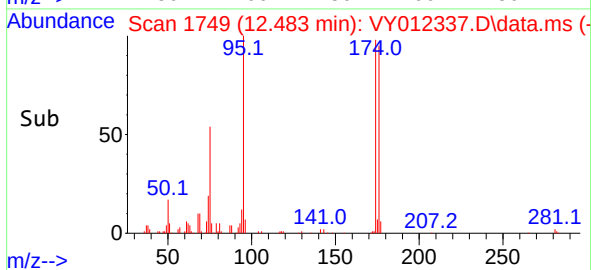
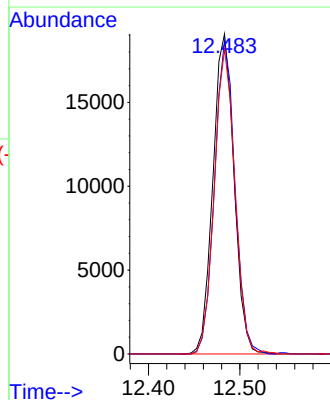
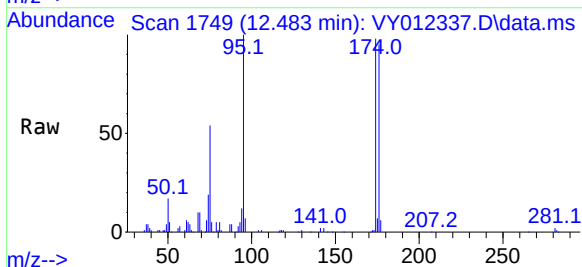
Instrument :
MSVOA_Y
ClientSampleId :

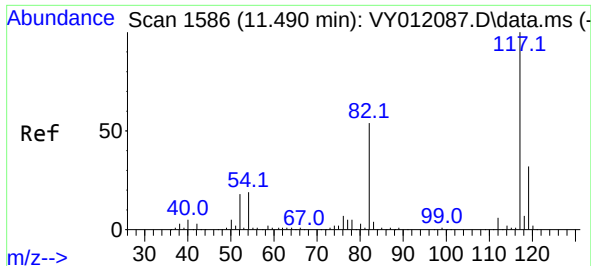
Tgt Ion: 98 Resp: 116812
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 40.245 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

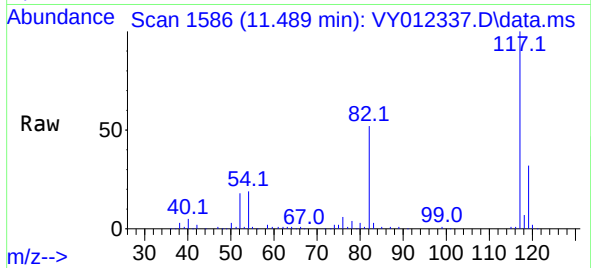
Tgt Ion: 95 Resp: 30526
Ion Ratio Lower Upper
95 100
174 95.0 0.0 172.0
176 93.3 0.0 167.6



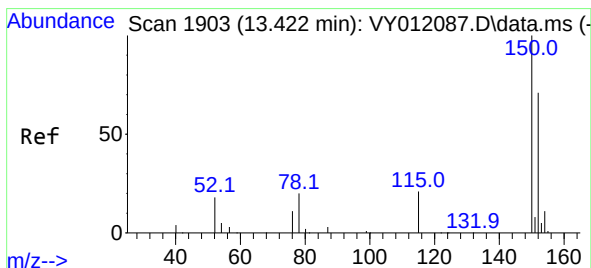
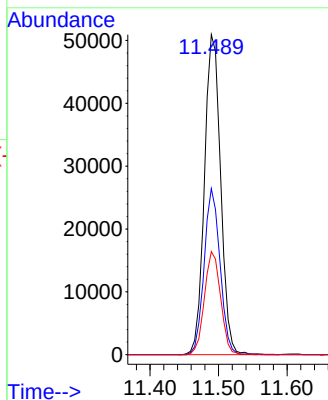
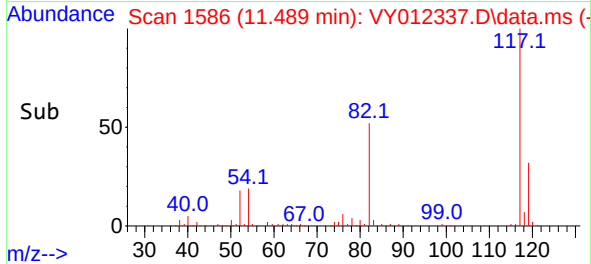


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

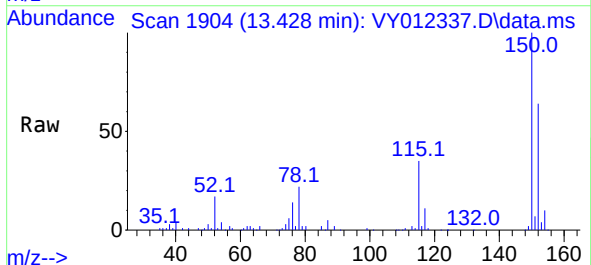
Instrument :
MSVOA_Y
ClientSampleId :



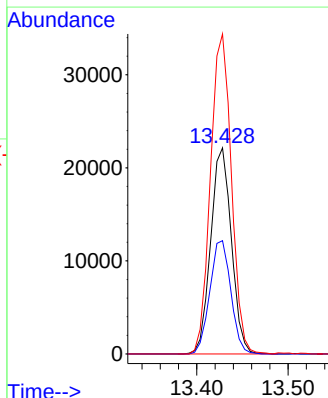
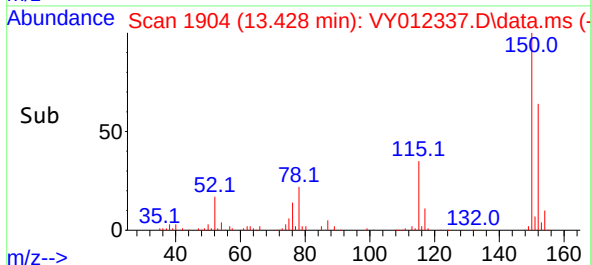
Tgt Ion:117 Resp: 83946
Ion Ratio Lower Upper
117 100
82 51.9 44.8 67.2
119 32.2 25.4 38.2

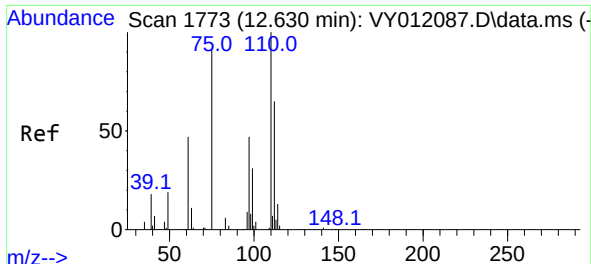


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18



Tgt Ion:152 Resp: 34825
Ion Ratio Lower Upper
152 100
115 55.8 29.1 87.3
150 156.7 0.0 342.6

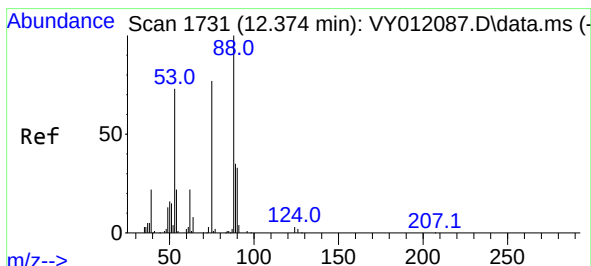
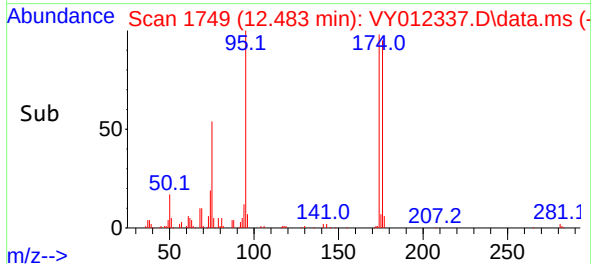
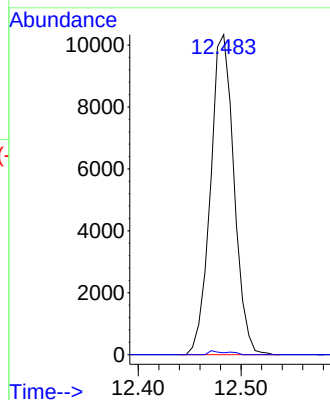
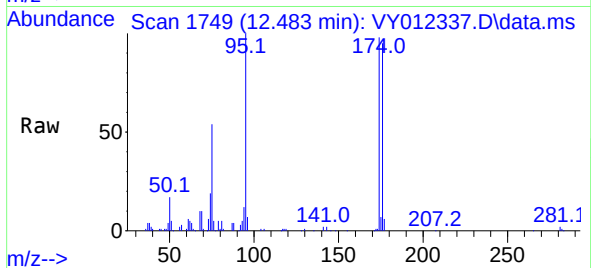




#76
1,2,3-Trichloropropane
Concen: 51.291 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 16425
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.683 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012337.D
Acq: 24 Jan 2023 13:18

Tgt Ion: 75 Resp: 16425
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

