

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012137.D
 Acq On : 10 Jan 2023 13:22
 Operator : KP/MD
 Sample : 01093-02
 Misc : 6.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 11 03:08:39 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)

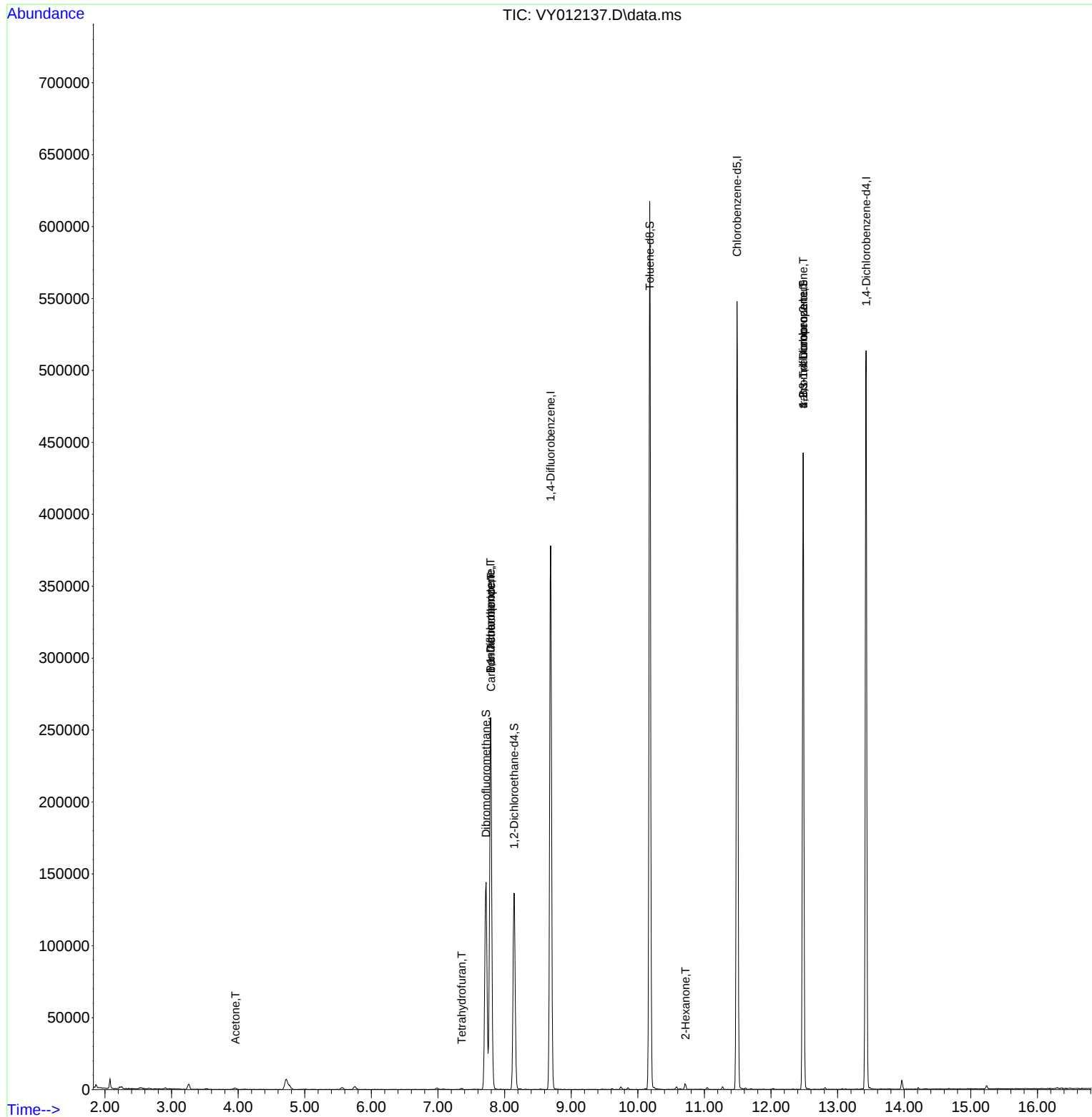
Internal Standards						
1) Pentafluorobenzene	7.789	168	200386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	336263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	311077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	116267	51.636	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.280%	
35) Dibromofluoromethane	7.722	113	99160	44.865	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.720%	
50) Toluene-d8	10.179	98	399934	45.844	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.680%	
62) 4-Bromofluorobenzene	12.483	95	125624	41.197	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	160	Below Cal	#	41
5) Bromomethane	2.662	94	115	Below Cal	#	64
11) Tert butyl alcohol	4.960	59	312	Below Cal	#	74
16) Acetone	3.960	43	1710	3.228	ug/l #	83
20) Methylene Chloride	4.716	84	5557	Below Cal	#	79
29) Tetrahydrofuran	7.356	42	492	1.206	ug/l	95
31) Cyclohexane	7.789	56	3735	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	14204	4.236	ug/l #	50
38) Carbon Tetrachloride	7.795	117	20620	4.845	ug/l #	17
59) 2-Hexanone	10.715	43	1248	1.110	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	67852	42.648	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	67852	94.715	ug/l #	13

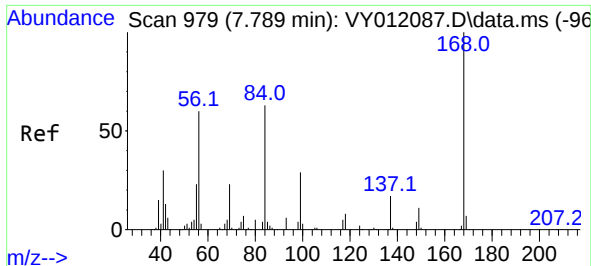
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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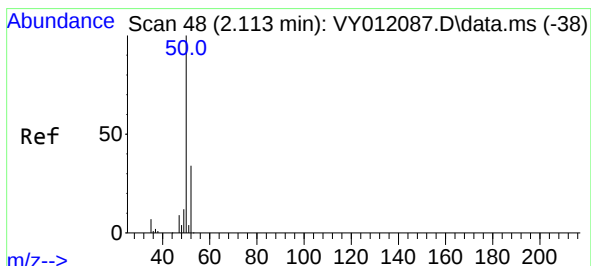
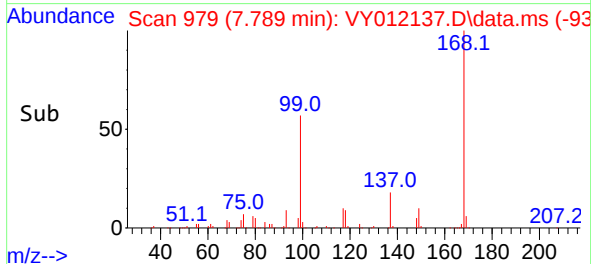
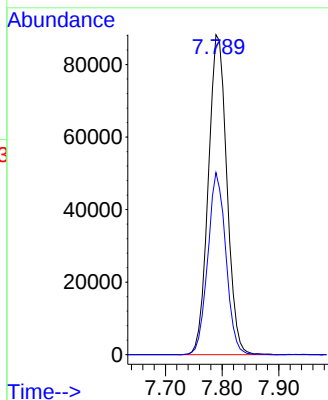
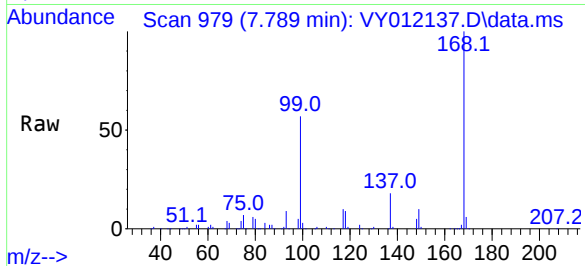




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

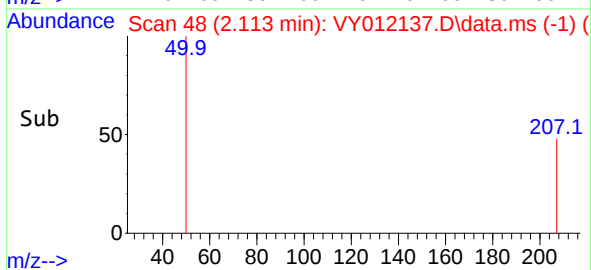
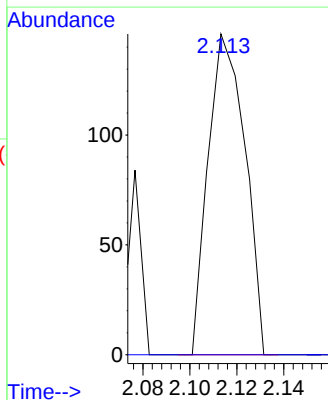
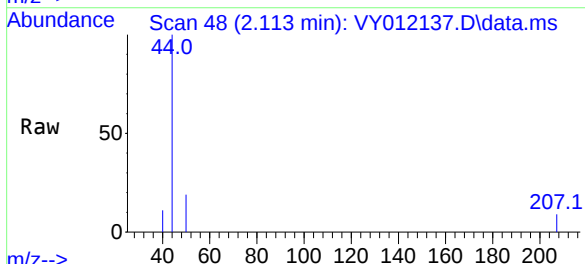
Instrument :
MSVOA_Y
ClientSampleId :

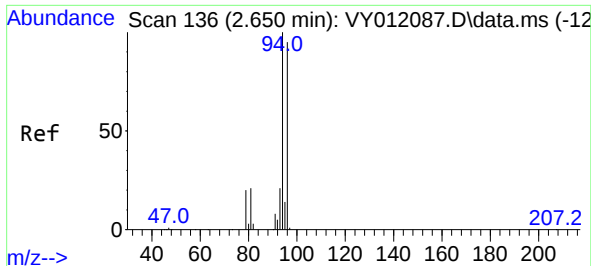
Tgt Ion:168 Resp: 200386
Ion Ratio Lower Upper
168 100
99 56.9 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 50 Resp: 160
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

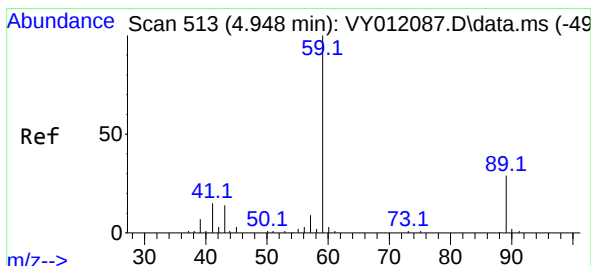
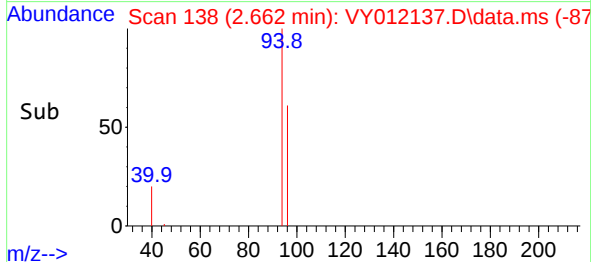
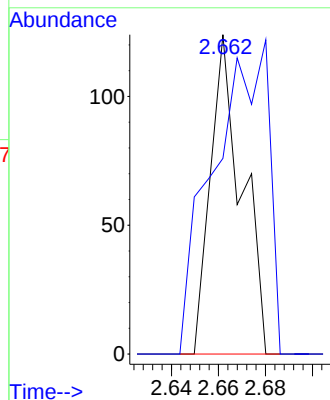
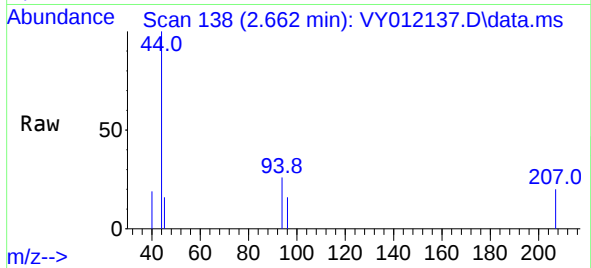




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

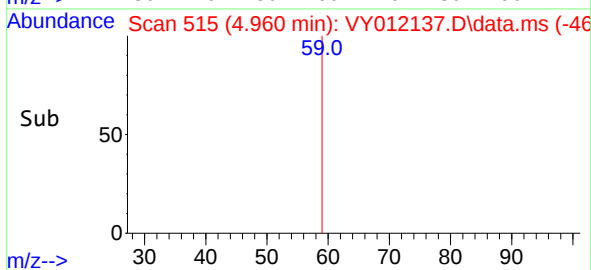
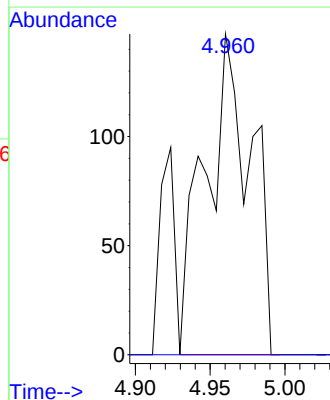
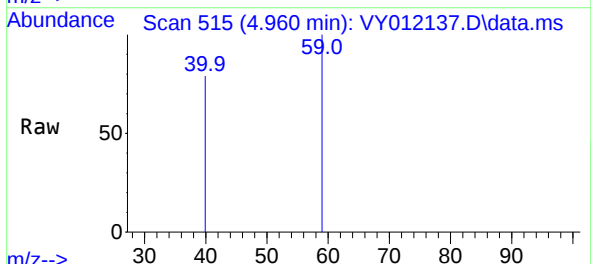
Instrument :
MSVOA_Y
ClientSampleId :

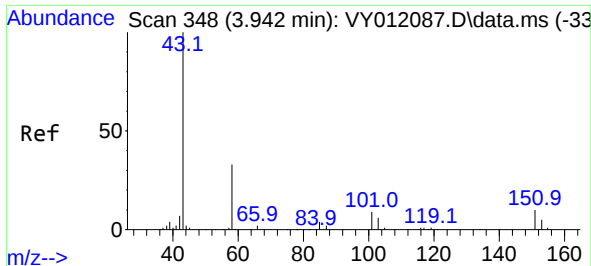
Tgt Ion: 94 Resp: 115
Ion Ratio Lower Upper
94 100
96 61.3 77.4 116.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

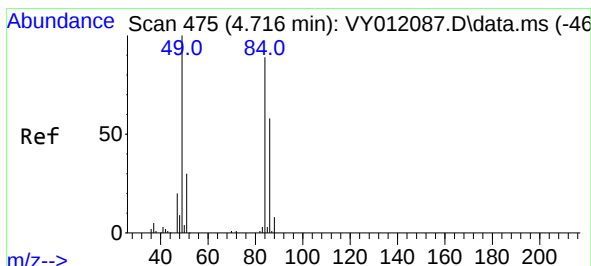
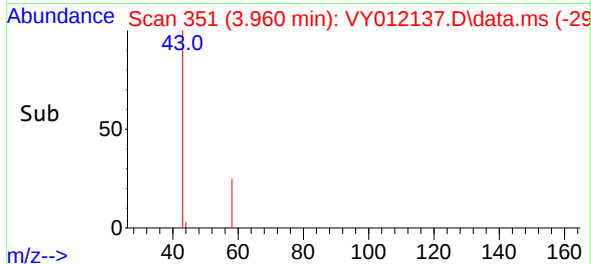
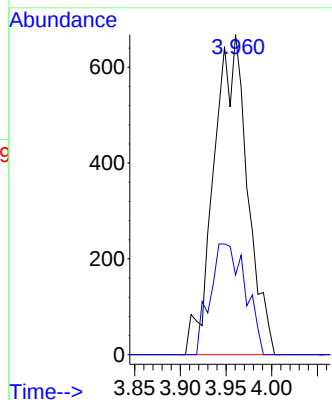
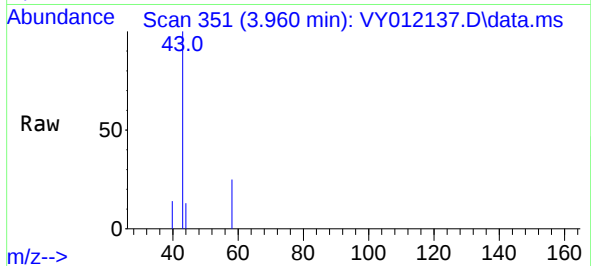




#16
Acetone
Concen: 3.228 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

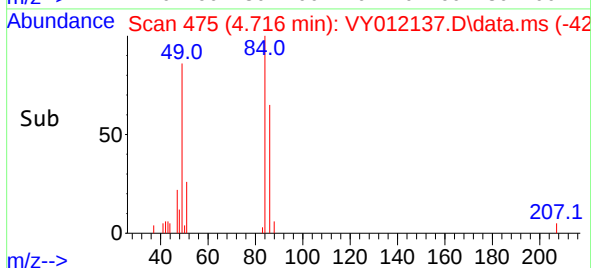
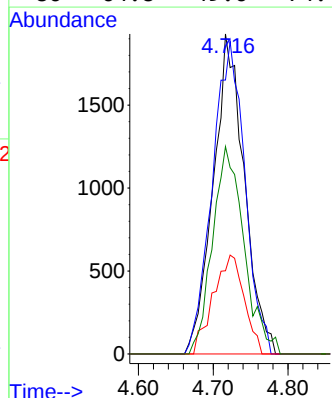
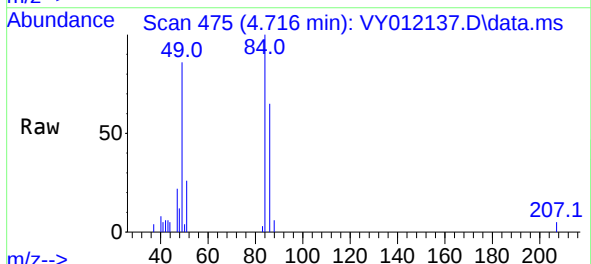
Instrument :
MSVOA_Y
ClientSampleId :

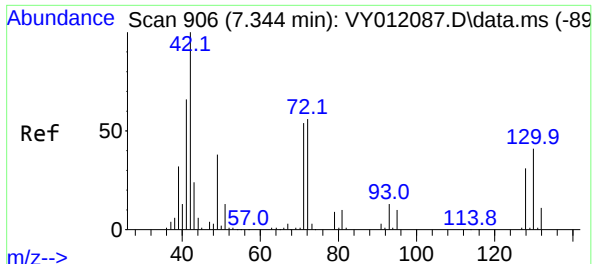
Tgt Ion: 43 Resp: 1710
Ion Ratio Lower Upper
43 100
58 24.9 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

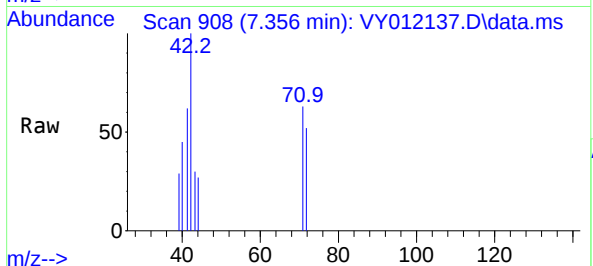
Tgt Ion: 84 Resp: 5557
Ion Ratio Lower Upper
84 100
49 85.6 95.4 143.2#
51 26.0 29.9 44.9#
86 64.8 49.6 74.4





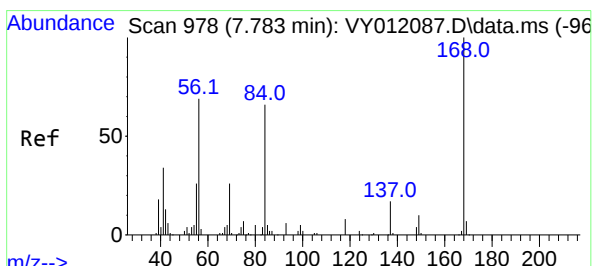
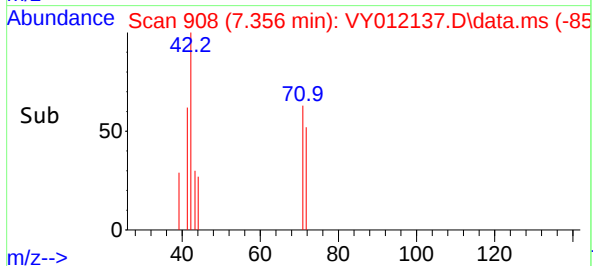
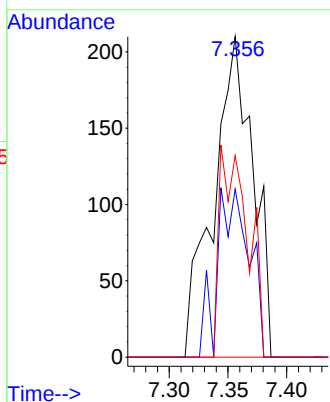
#29
Tetrahydrofuran
Concen: 1.206 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 42 Resp: 492

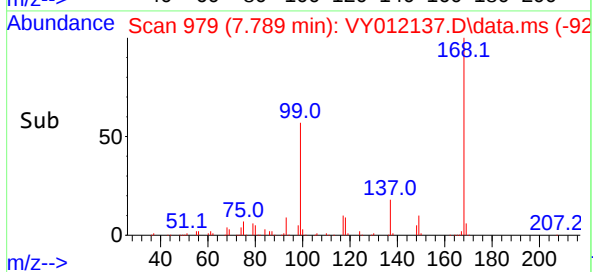
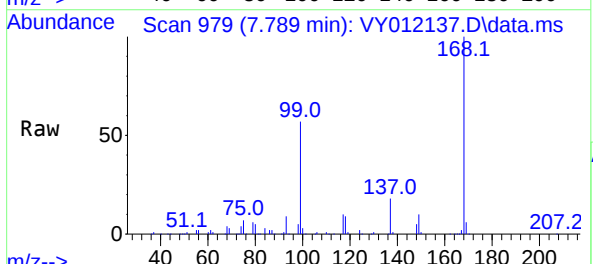
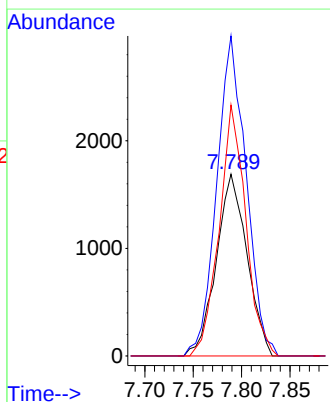
Ion	Ratio	Lower	Upper
42	100		
72	42.7	37.0	55.6
71	47.0	34.9	52.3

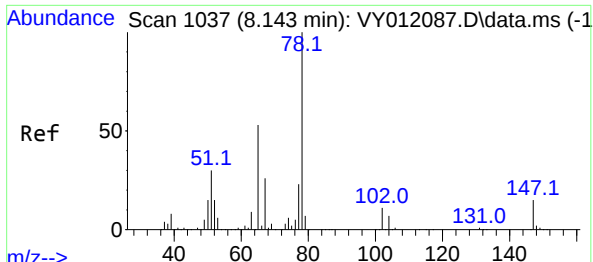


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 56 Resp: 3735

Ion	Ratio	Lower	Upper
56	100		
69	176.1	29.2	43.8#
84	138.1	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 51.636 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY012137.D

Acq: 10 Jan 2023 13:22

Instrument :

MSVOA_Y

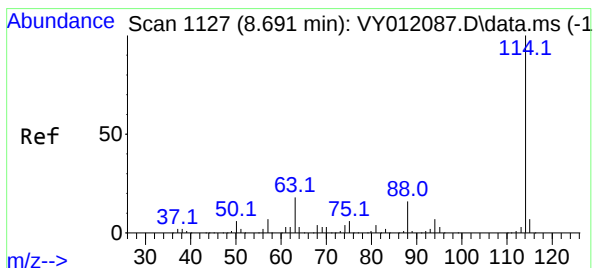
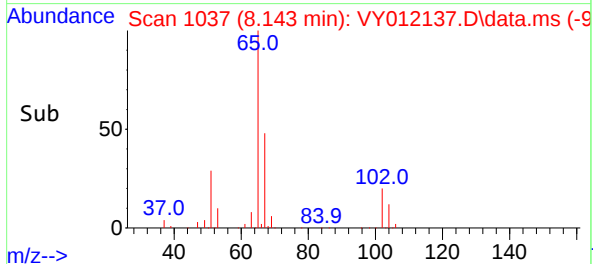
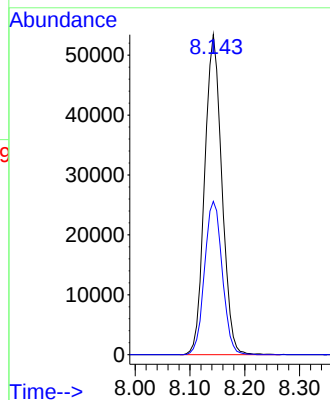
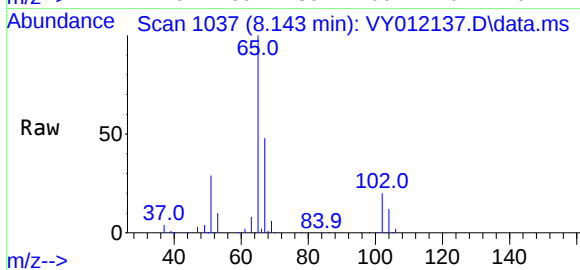
ClientSampleId :

Tgt Ion: 65 Resp: 116267

Ion Ratio Lower Upper

65 100

67 49.2 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: VY012137.D

Acq: 10 Jan 2023 13:22

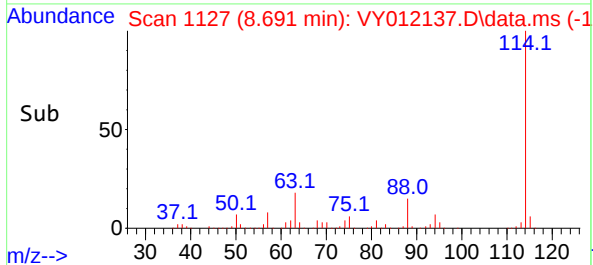
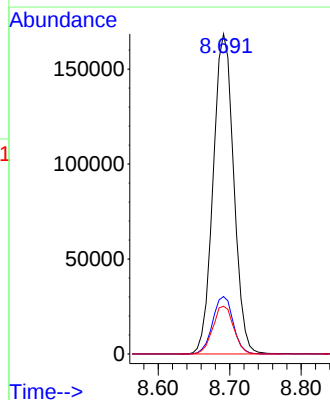
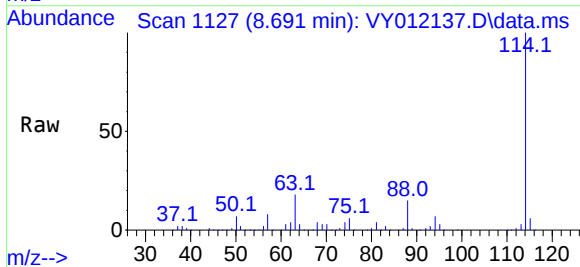
Tgt Ion:114 Resp: 336263

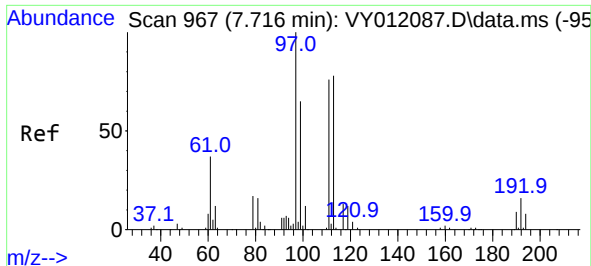
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 14.9 0.0 32.2

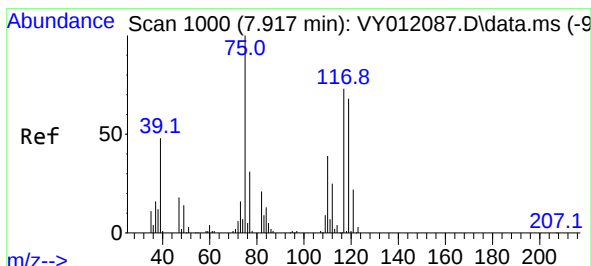
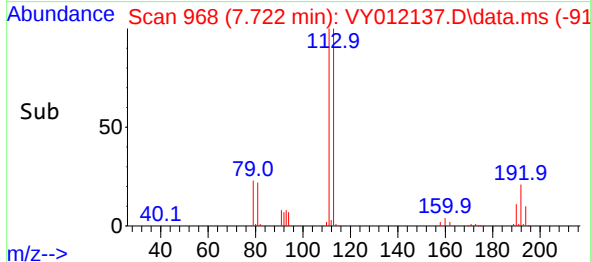
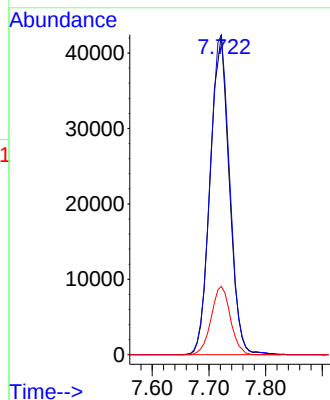
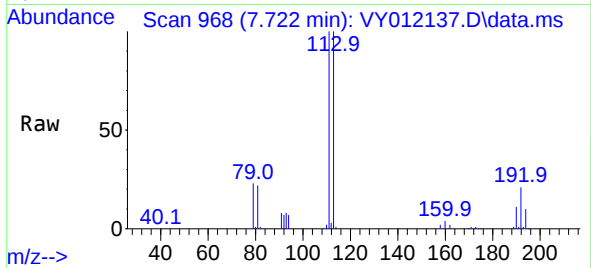




#35
Dibromofluoromethane
Concen: 44.865 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

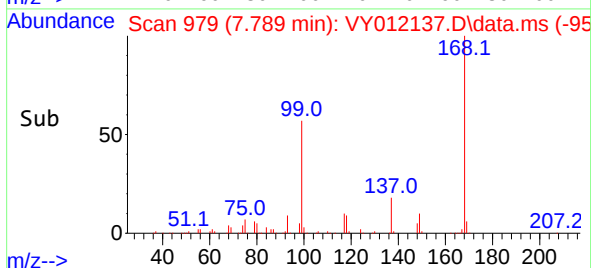
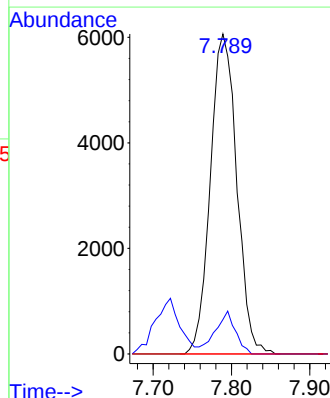
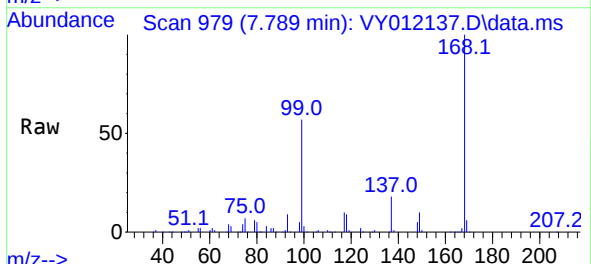
Instrument :
MSVOA_Y
ClientSampleId :

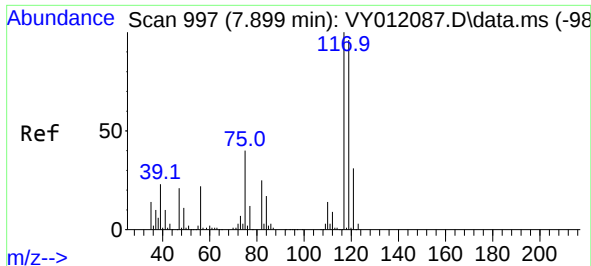
Tgt Ion:113 Resp: 99160
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.4
192 21.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.236 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 75 Resp: 14204
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.1#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 4.845 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY012137.D

Acq: 10 Jan 2023 13:22

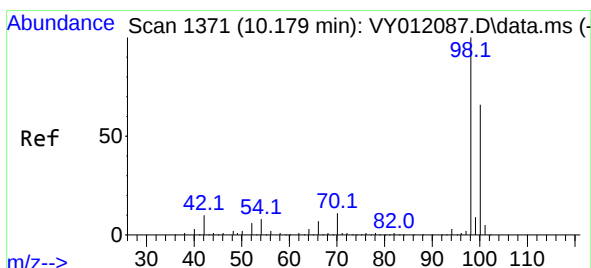
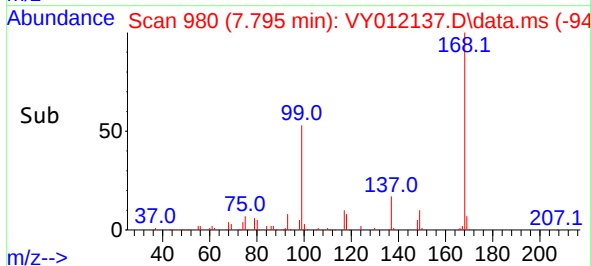
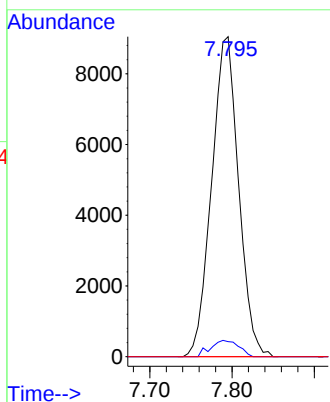
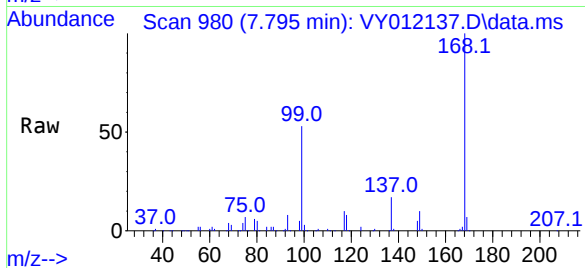
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117 Resp: 20620

Ion	Ratio	Lower	Upper
117	100		
119	4.7	73.8	110.8#
121	0.0	25.2	37.8#



#50

Toluene-d8

Concen: 45.844 ug/l

RT: 10.179 min Scan# 1371

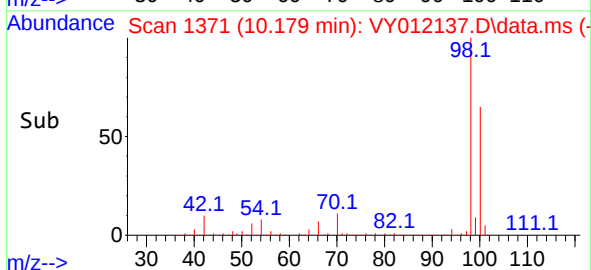
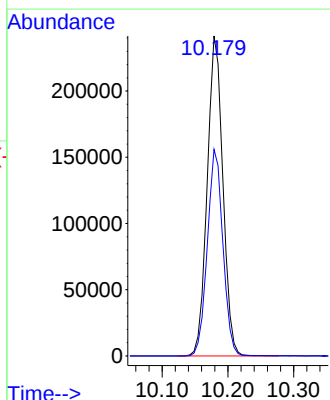
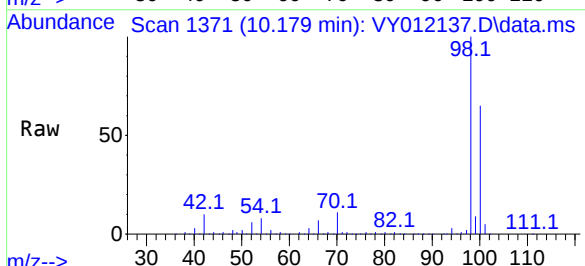
Delta R.T. -0.000 min

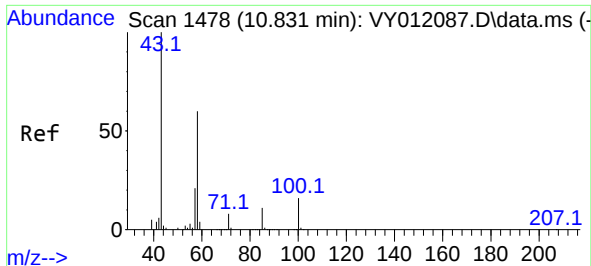
Lab File: VY012137.D

Acq: 10 Jan 2023 13:22

Tgt Ion: 98 Resp: 399934

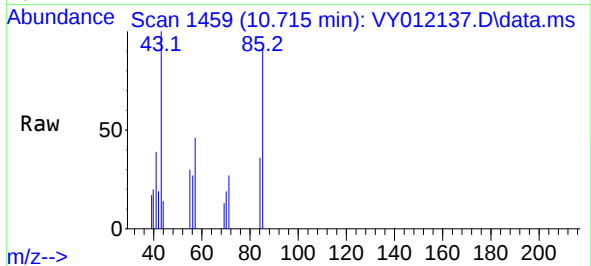
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9



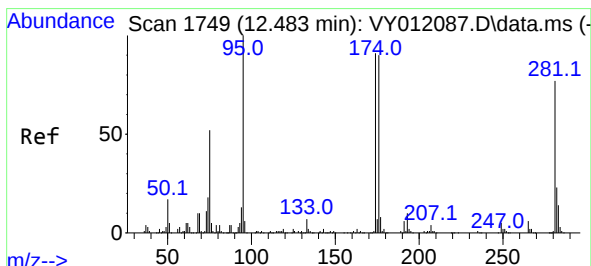
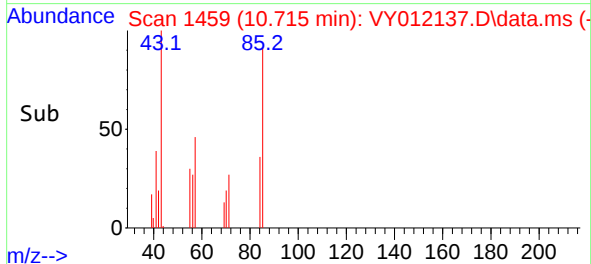
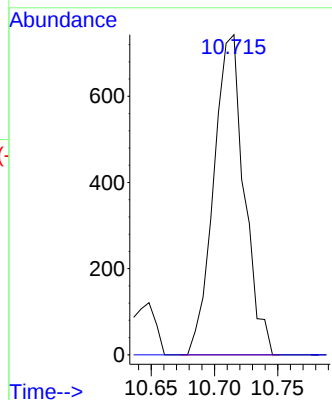


#59
2-Hexanone
Concen: 1.110 ug/l
RT: 10.715 min Scan# 1478
Delta R.T. -0.116 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Instrument :
MSVOA_Y
ClientSampleId :

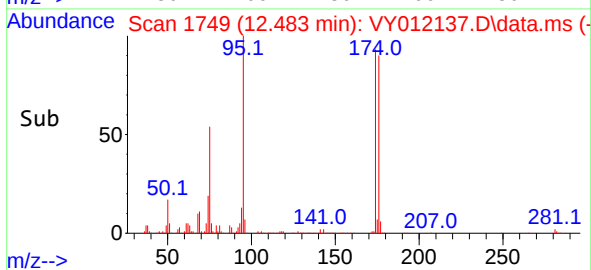
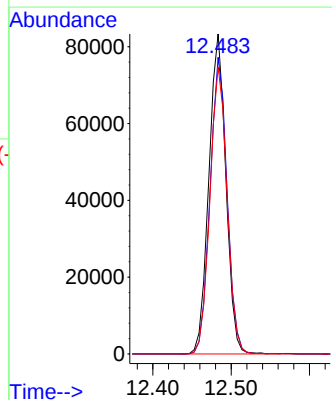
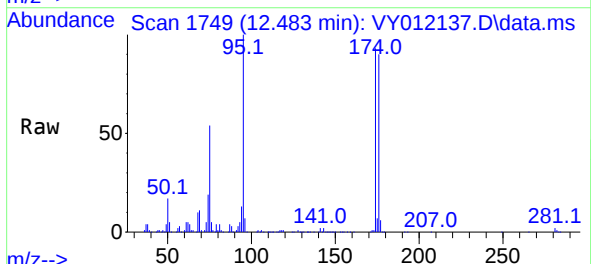


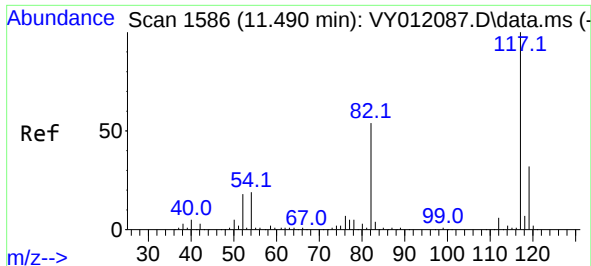
Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 41.197 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 95 Resp: 125624
Ion Ratio Lower Upper
95 100
174 92.9 0.0 172.0
176 90.0 0.0 167.6

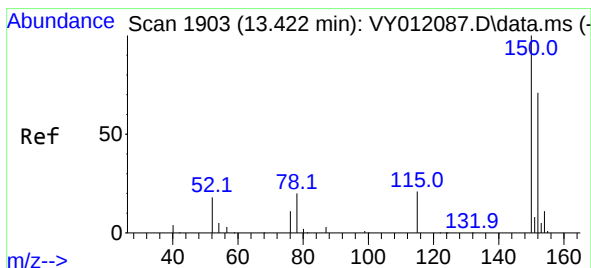
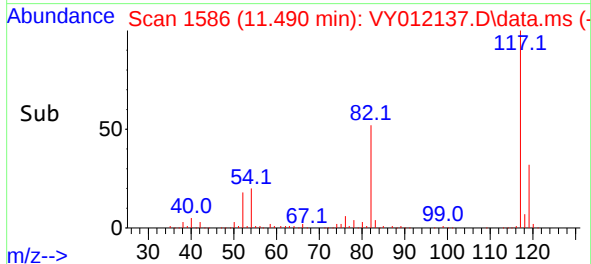
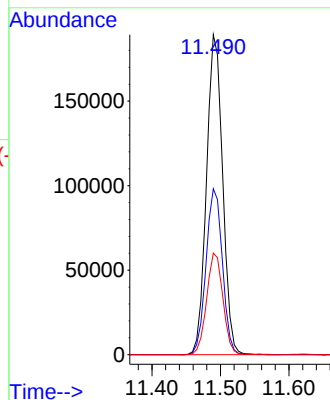
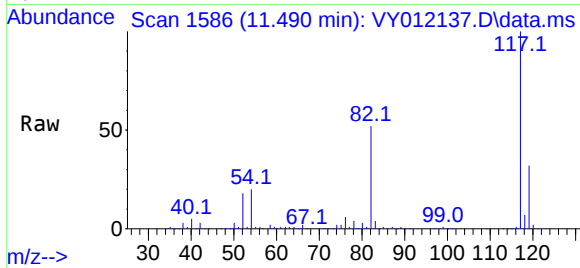




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

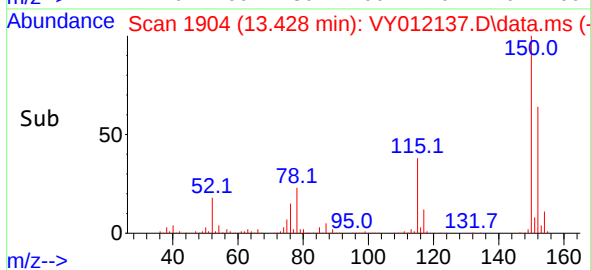
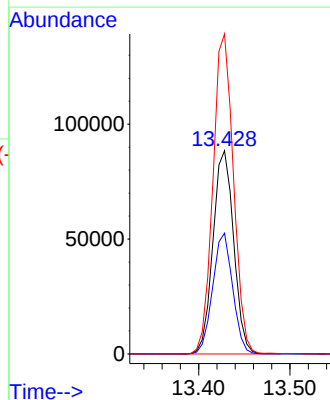
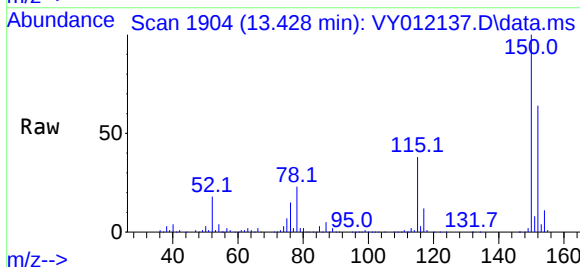
Instrument :
MSVOA_Y
ClientSampleId :

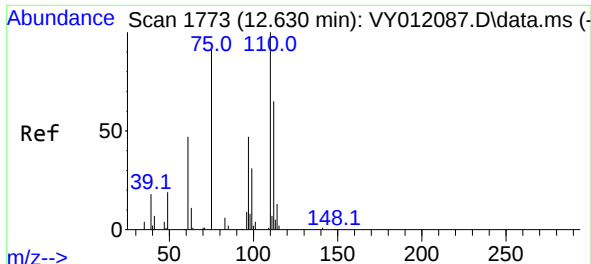
Tgt Ion:117 Resp: 311077
Ion Ratio Lower Upper
117 100
82 51.9 44.8 67.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion:152 Resp: 139339
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 156.1 0.0 342.6

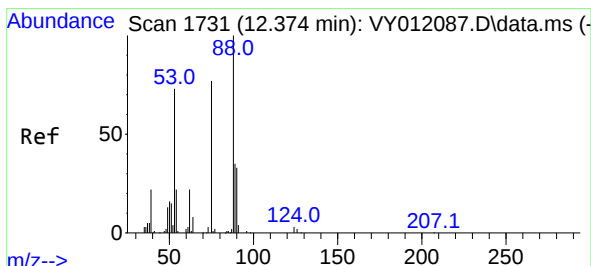
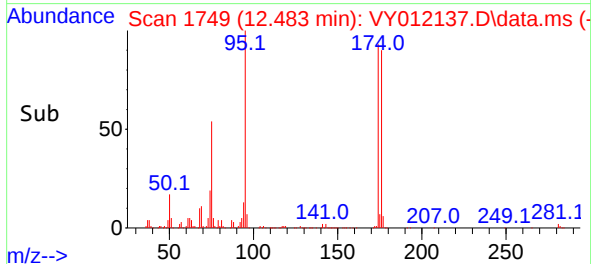
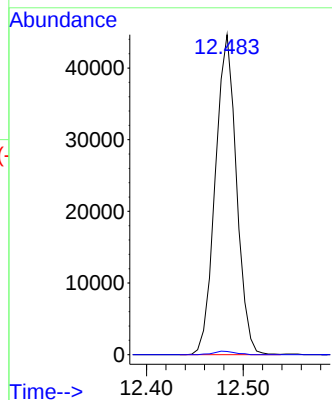
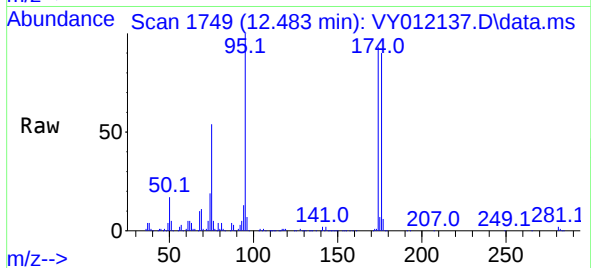




#76
1,2,3-Trichloropropane
Concen: 42.648 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 67852
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.715 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 75 Resp: 67852
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

