

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015810.D
 Acq On : 03 Oct 2023 16:55
 Operator : SY/MD
 Sample : 04703-05
 Misc : 3.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:13:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

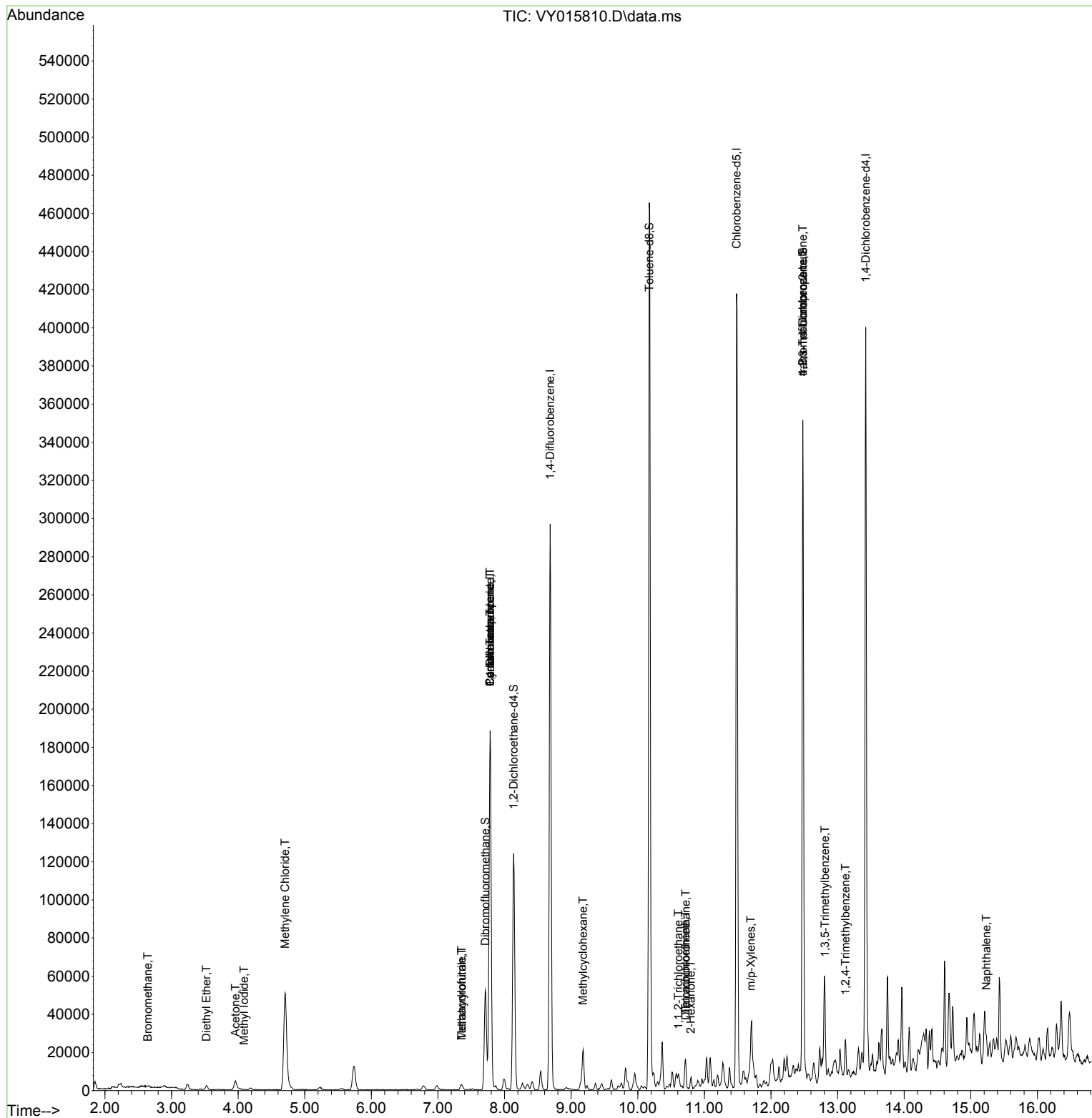
Internal Standards						
1) Pentafluorobenzene	7.783	168	142198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	251569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	229100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	98291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	96581	61.730	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.460%			
35) Dibromofluoromethane	7.710	113	37322	24.787	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 49.580%#			
50) Toluene-d8	10.173	98	298934	58.553	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.100%			
62) 4-Bromofluorobenzene	12.477	95	99387	49.606	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.220%			
Target Compounds					Qvalue	
5) Bromomethane	2.644	94	319	2.782	ug/l	87
8) Diethyl Ether	3.522	74	1224	1.266	ug/l	89
10) Methyl Iodide	4.089	142	137	2.806	ug/l #	38
11) Tert butyl alcohol	4.973	59	564	Below Cal	#	89
16) Acetone	3.960	43	9720	11.609	ug/l	92
20) Methylene Chloride	4.704	84	38947	18.158	ug/l #	86
29) Tetrahydrofuran	7.356	42	2446	3.657	ug/l #	82
31) Cyclohexane	7.783	56	5078	2.343	ug/l #	24
36) 1,1-Dichloropropene	7.783	75	10845	4.871	ug/l #	50
38) Carbon Tetrachloride	7.783	117	14186	5.870	ug/l #	16
39) Methylcyclohexane	9.179	83	8496	3.450	ug/l	97
41) Methacrylonitrile	7.356	41	1449	1.212	ug/l #	40
55) 1,1,2-Trichloroethane	10.612	97	2328	1.312	ug/l #	20
59) 2-Hexanone	10.795	43	2502	1.387	ug/l #	27
60) Dibromochloromethane	10.721	129	2116	1.021	ug/l #	11
64) Tetrachloroethene	10.715	164	2388	1.215	ug/l #	85
68) m/p-Xylenes	11.697	106	4174	1.256	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	53047	33.830	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	10043	1.627	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	53047	76.181	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	10317	1.670	ug/l	96
95) Naphthalene	15.233	128	7104	1.306	ug/l #	82

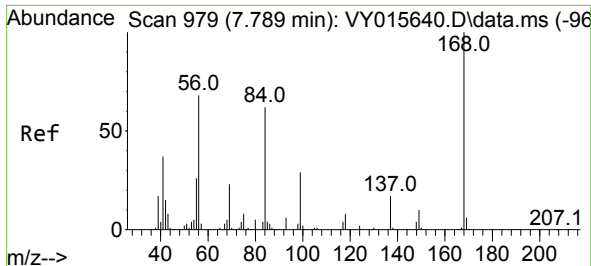
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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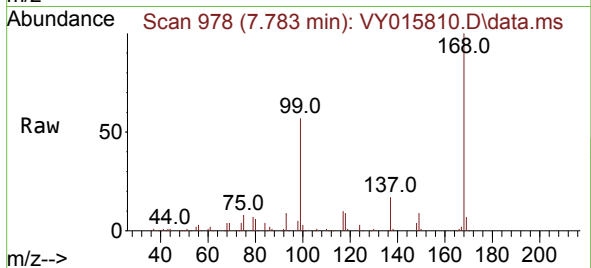
Quant Time: Oct 04 01:13:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
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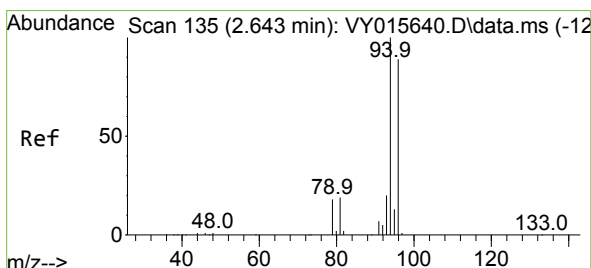
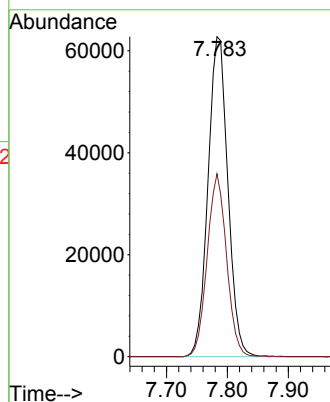
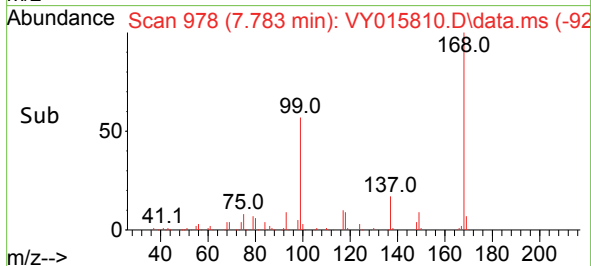


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Instrument :
MSVOA_Y
ClientSampleId :

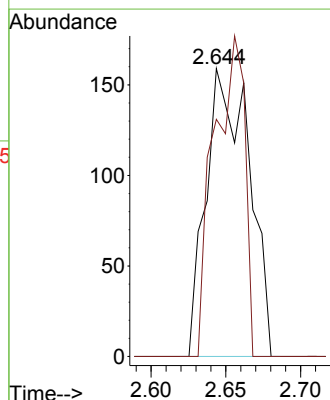
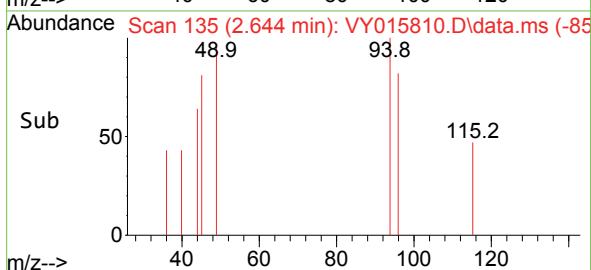
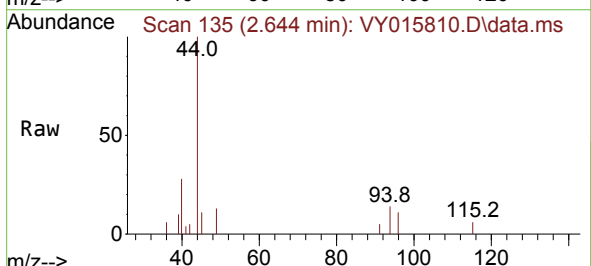


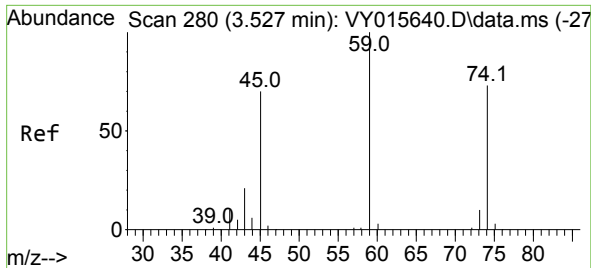
Tgt Ion:168 Resp: 142198
Ion Ratio Lower Upper
168 100
99 57.2 43.4 65.0



#5
Bromomethane
Concen: 2.782 ug/l
RT: 2.644 min Scan# 135
Delta R.T. 0.007 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

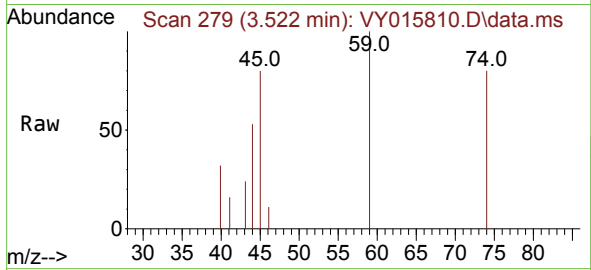
Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 82.4 75.8 113.6



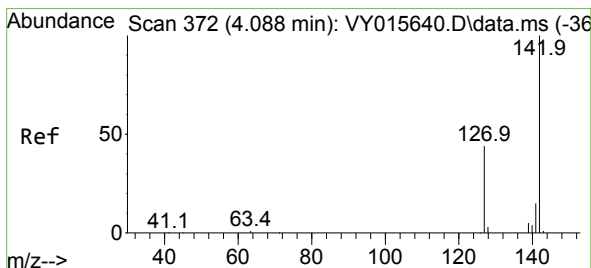
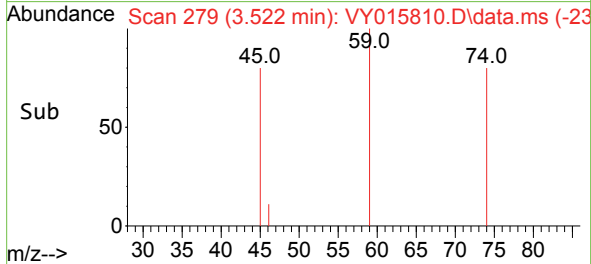
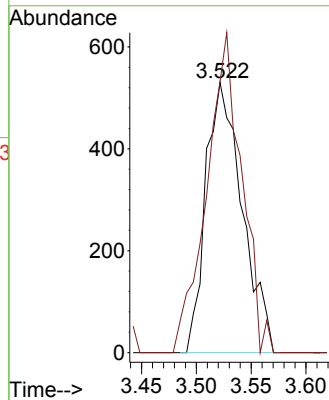


#8
Diethyl Ether
Concen: 1.266 ug/l
RT: 3.522 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Instrument :
MSVOA_Y
ClientSampleId :

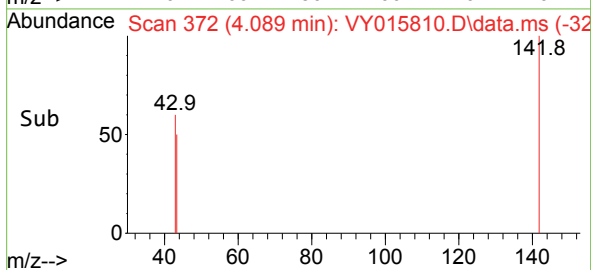
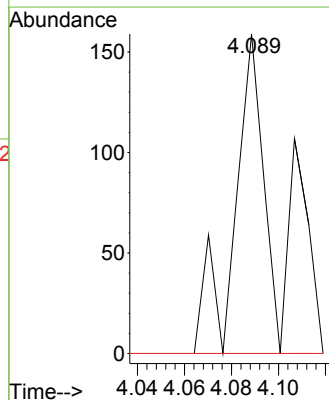
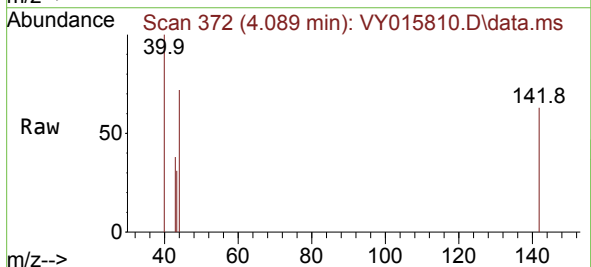


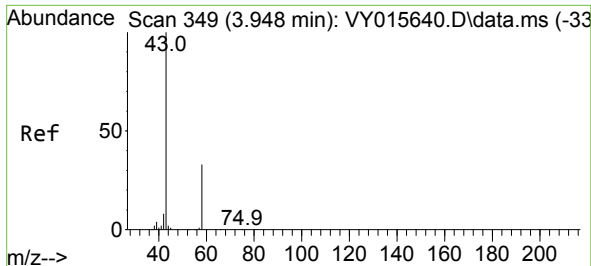
Tgt Ion: 74 Resp: 1224
Ion Ratio Lower Upper
74 100
45 114.1 51.5 154.5



#10
Methyl Iodide
Concen: 2.806 ug/l
RT: 4.089 min Scan# 372
Delta R.T. 0.007 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion: 142 Resp: 137
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

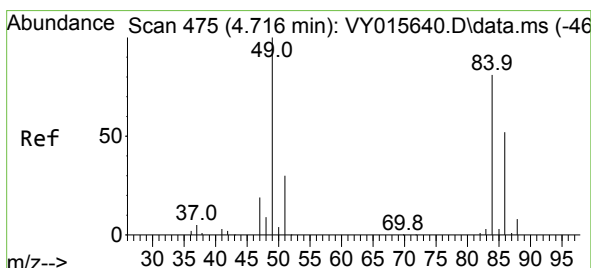
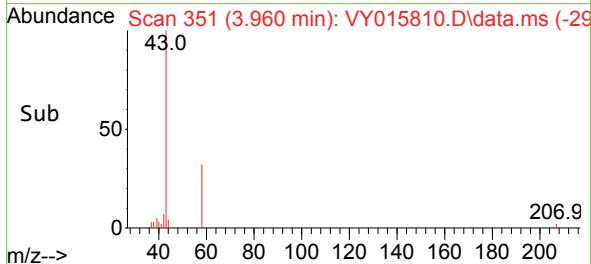
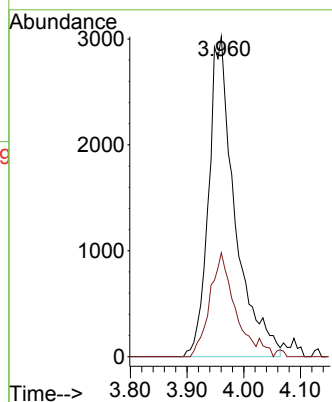
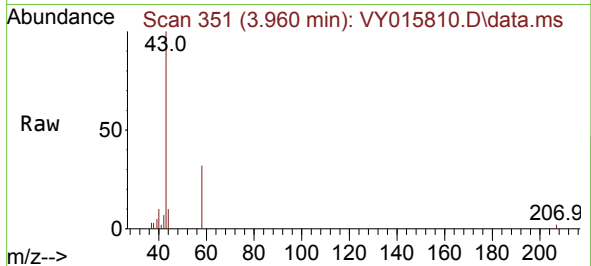




#16
Acetone
Concen: 11.609 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

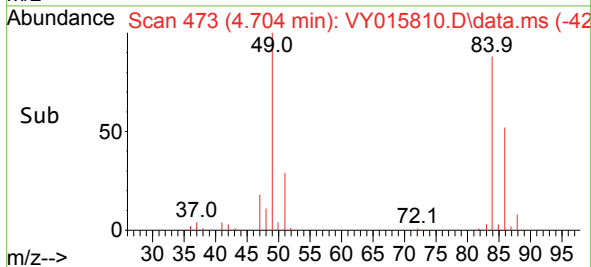
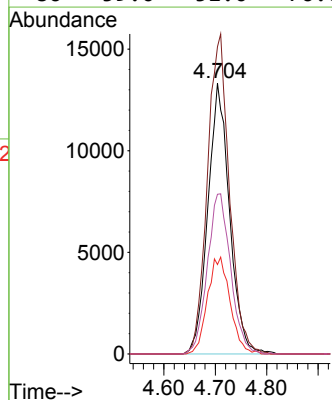
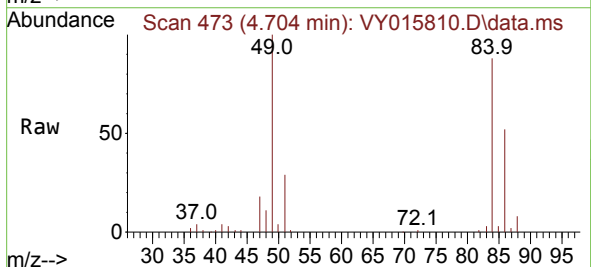
Instrument :
MSVOA_Y
ClientSampleId :

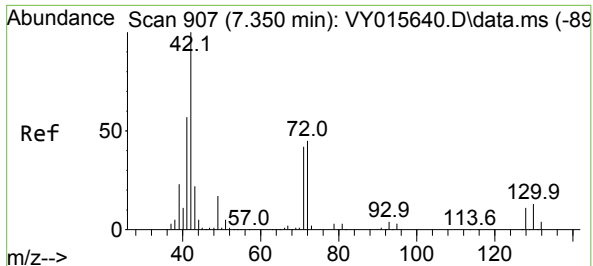
Tgt Ion: 43 Resp: 9720
Ion Ratio Lower Upper
43 100
58 32.5 22.7 34.1



#20
Methylene Chloride
Concen: 18.158 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion: 84 Resp: 38947
Ion Ratio Lower Upper
84 100
49 113.4 106.9 160.3
51 33.0 33.2 49.8#
86 59.0 51.0 76.6





#29

Tetrahydrofuran

Concen: 3.657 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.012 min

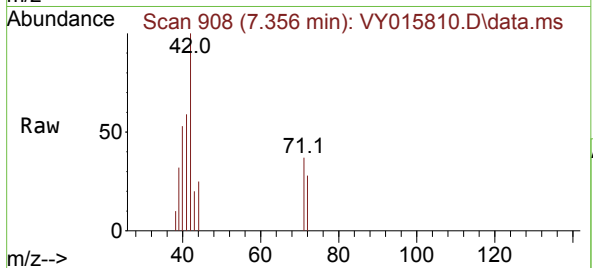
Lab File: VY015810.D

Acq: 03 Oct 2023 16:55

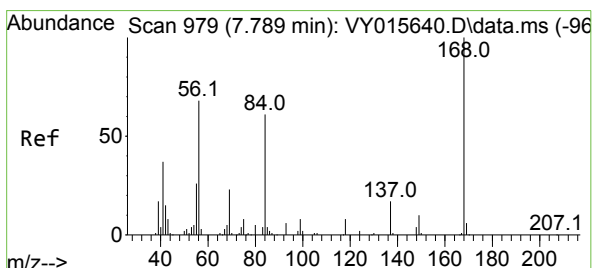
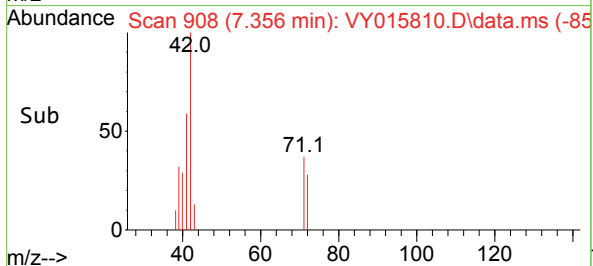
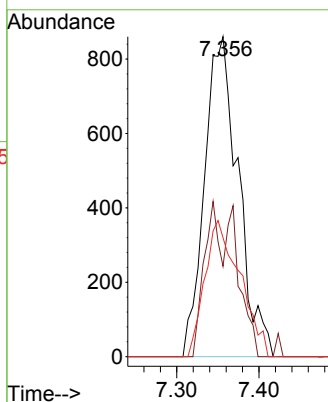
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	2446
Ion Ratio	Lower	Upper	
42	100		
72	24.7	32.8	49.2#
71	44.4	31.0	46.4



#31

Cyclohexane

Concen: 2.343 ug/l

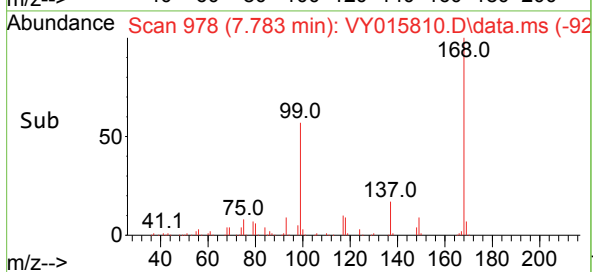
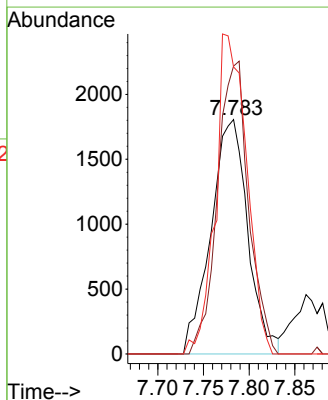
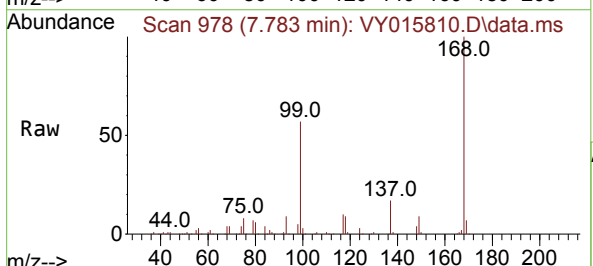
RT: 7.783 min Scan# 978

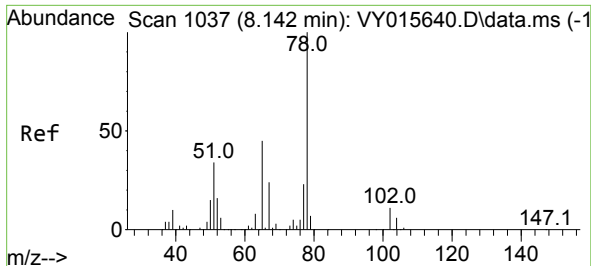
Delta R.T. -0.000 min

Lab File: VY015810.D

Acq: 03 Oct 2023 16:55

Tgt Ion:	56	Resp:	5078
Ion Ratio	Lower	Upper	
56	100		
69	122.8	27.8	41.6#
84	122.5	66.4	99.6#

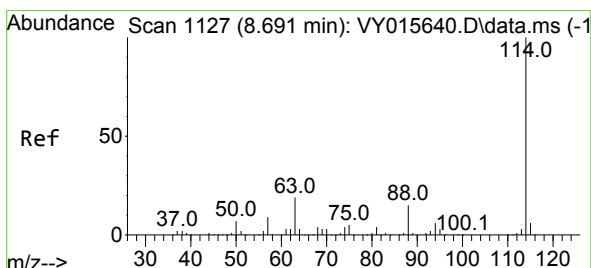
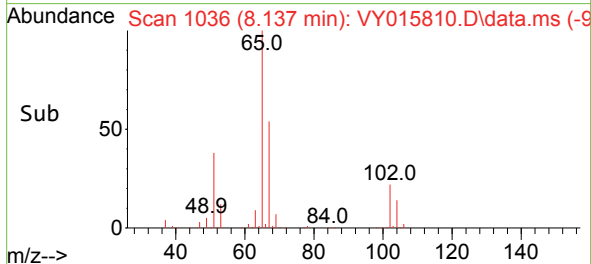
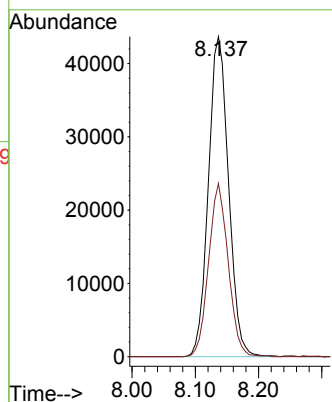
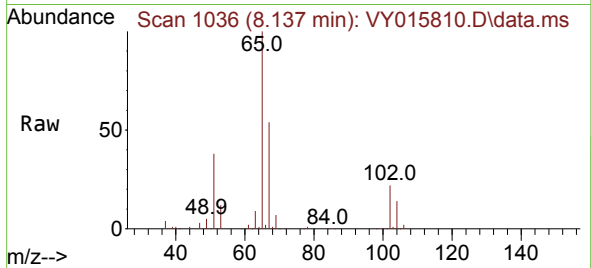




#33
 1,2-Dichloroethane-d4
 Concen: 61.730 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY015810.D
 Acq: 03 Oct 2023 16:55

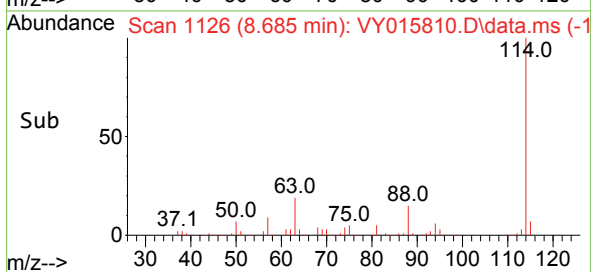
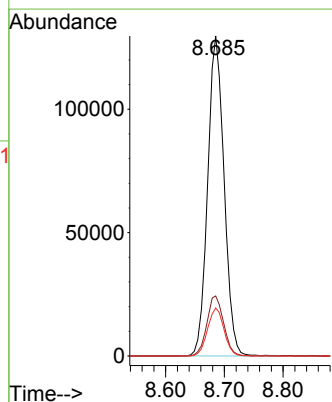
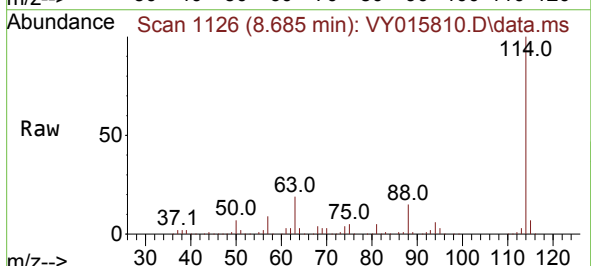
Instrument :
 MSVOA_Y
 ClientSampleId :

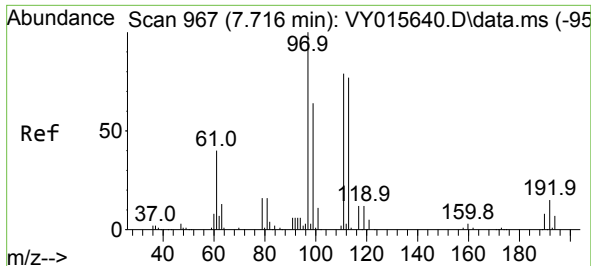
Tgt Ion: 65 Resp: 96581
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY015810.D
 Acq: 03 Oct 2023 16:55

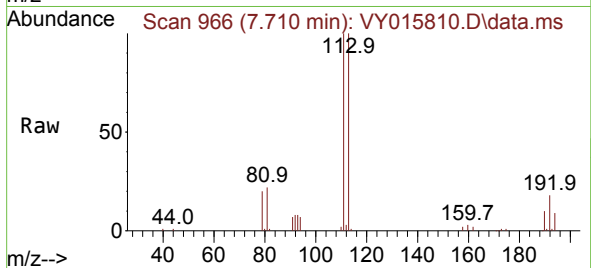
Tgt Ion:114 Resp: 251569
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 42.4
 88 15.0 0.0 30.6



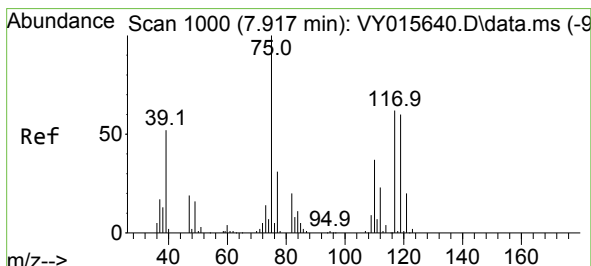
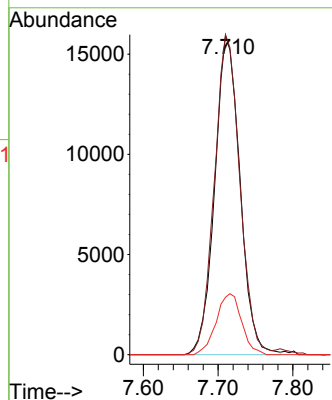
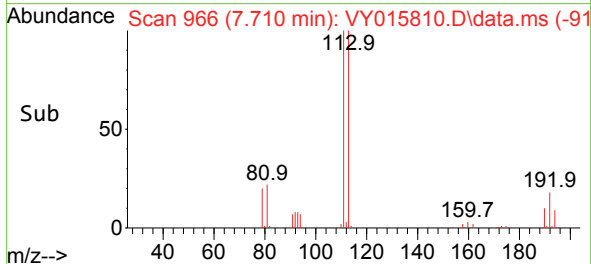


#35
Dibromofluoromethane
Concen: 24.787 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

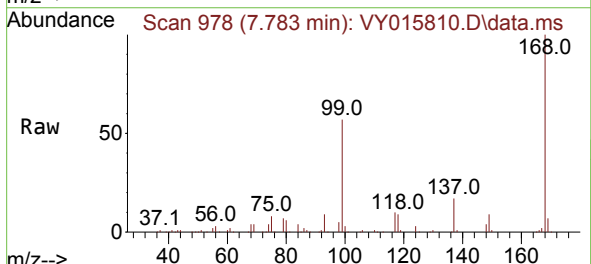
Instrument :
MSVOA_Y
ClientSampleId :



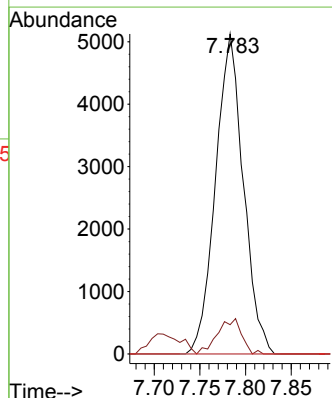
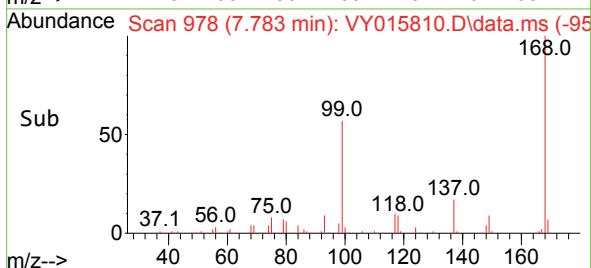
Tgt Ion:113 Resp: 37322
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 19.3 16.9 25.3

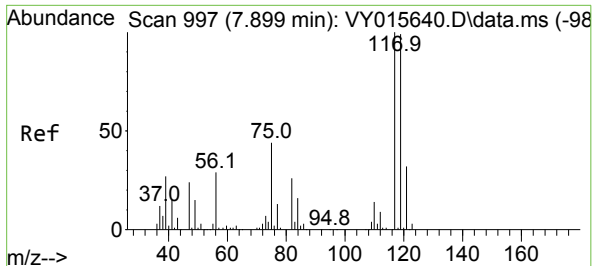


#36
1,1-Dichloropropene
Concen: 4.871 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55



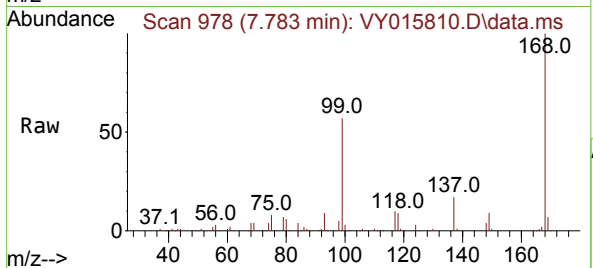
Tgt Ion: 75 Resp: 10845
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#



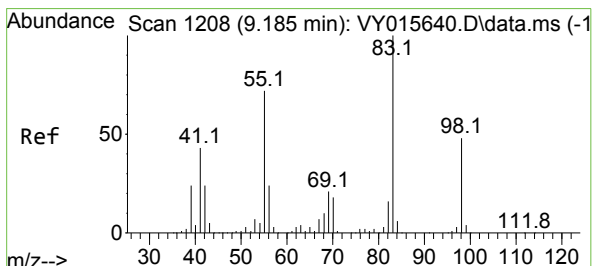
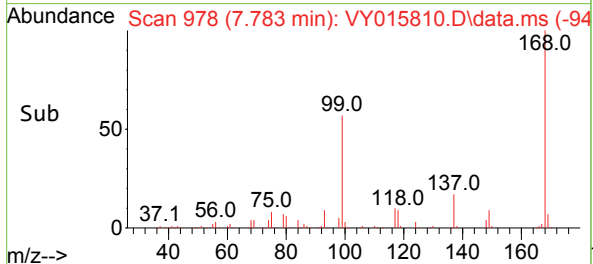
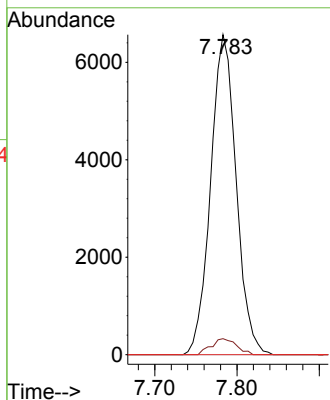


#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Instrument :
MSVOA_Y
ClientSampleId :

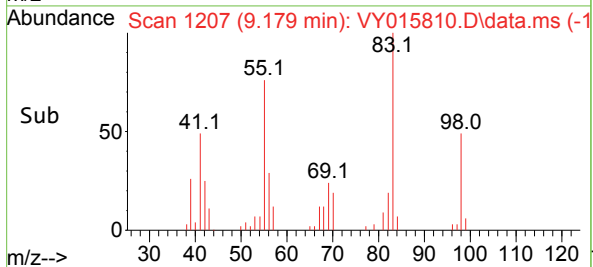
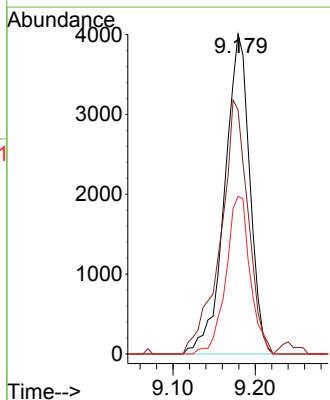
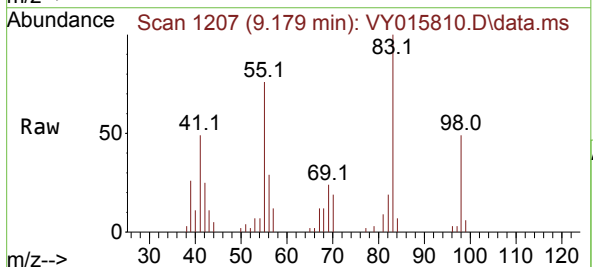


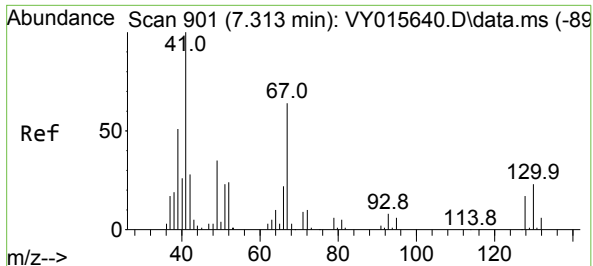
Tgt Ion:117 Resp: 14186
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 3.450 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion: 83 Resp: 8496
Ion Ratio Lower Upper
83 100
55 76.4 63.0 94.4
98 49.3 37.4 56.2

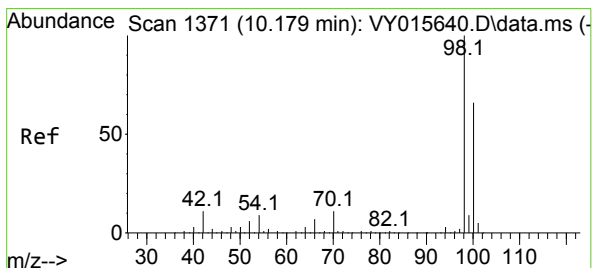
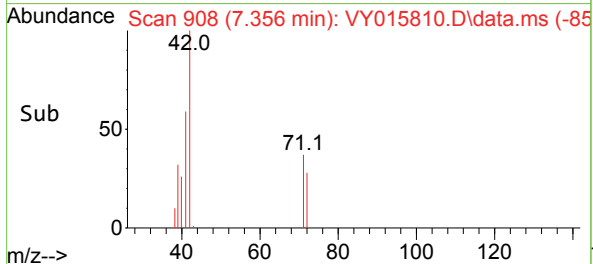
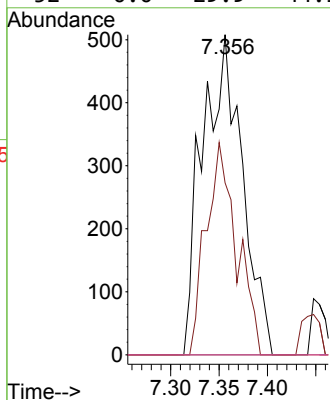
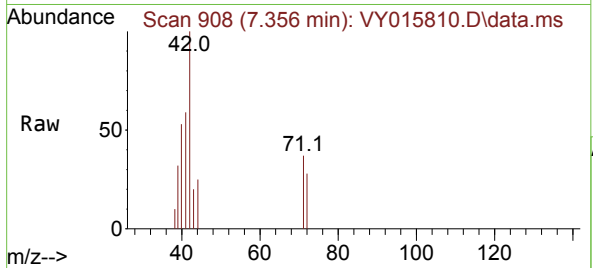




#41
Methacrylonitrile
Concen: 1.212 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

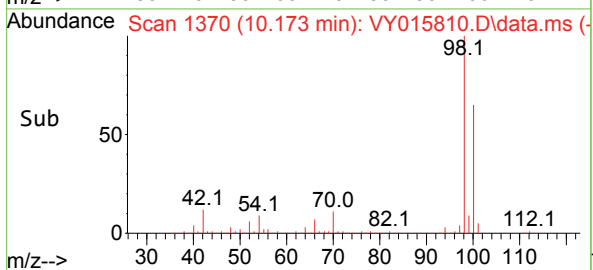
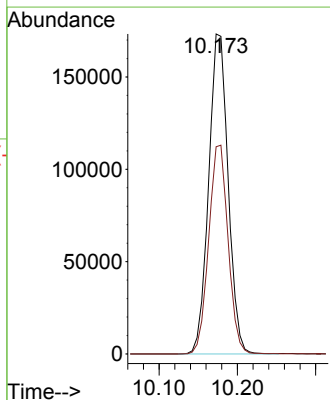
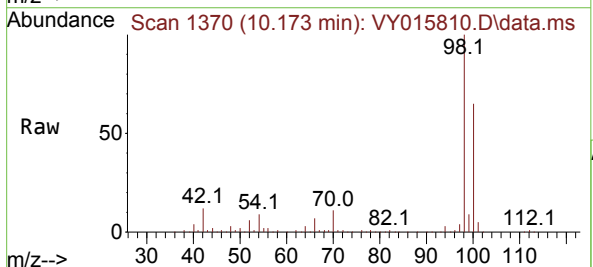
Instrument :
MSVOA_Y
ClientSampleId :

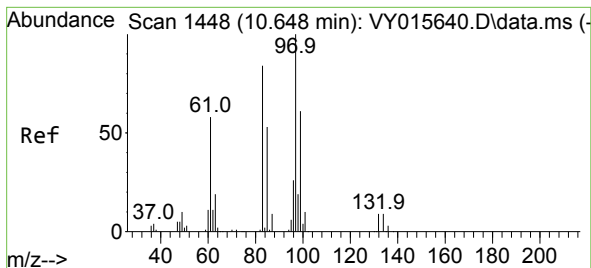
Tgt Ion: 41 Resp: 1449
Ion Ratio Lower Upper
41 100
39 51.2 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#



#50
Toluene-d8
Concen: 58.553 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

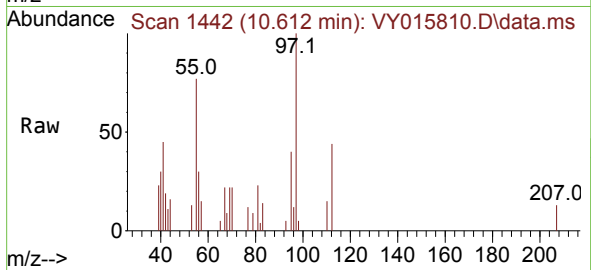
Tgt Ion: 98 Resp: 298934
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



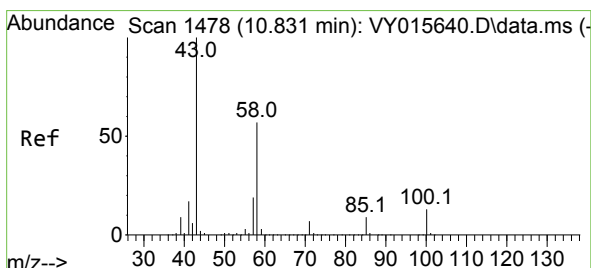
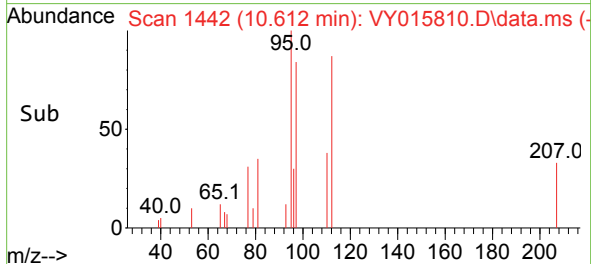
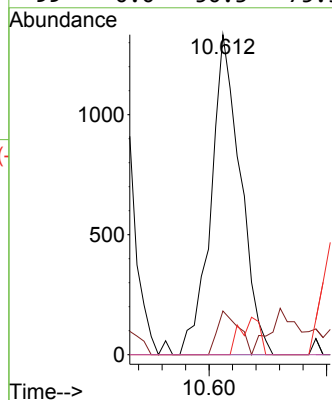


#55
1,1,2-Trichloroethane
Concen: 1.312 ug/l
RT: 10.612 min Scan# 1442
Delta R.T. -0.030 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Instrument :
MSVOA_Y
ClientSampleId :

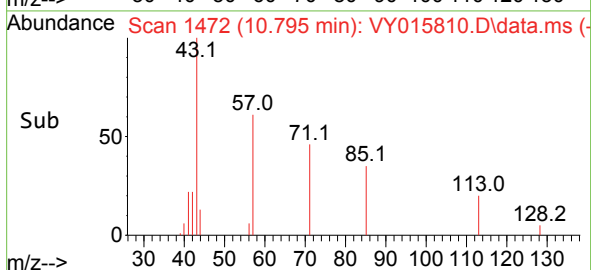
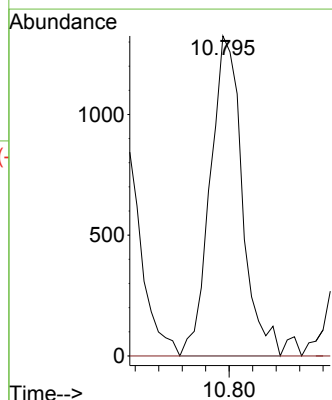
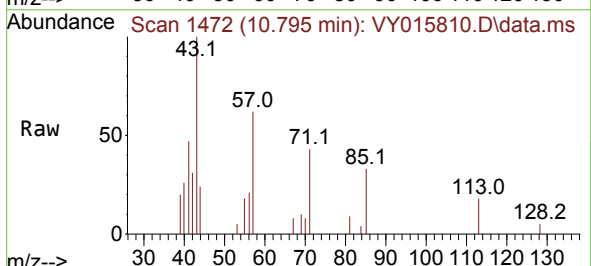


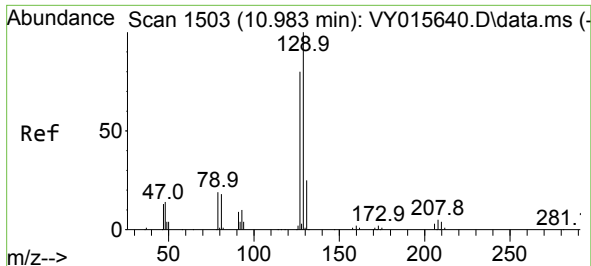
Tgt Ion: 97	Resp: 2328
Ion Ratio	Lower Upper
97 100	
83 13.7	72.0 108.0#
85 0.0	45.4 68.0#
99 0.0	50.3 75.5#



#59
2-Hexanone
Concen: 1.387 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.036 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion: 43	Resp: 2502
Ion Ratio	Lower Upper
43 100	
58 0.0	25.1 75.3#

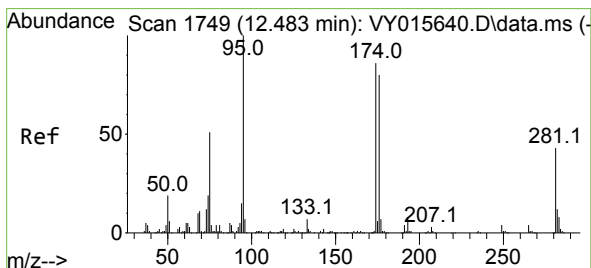
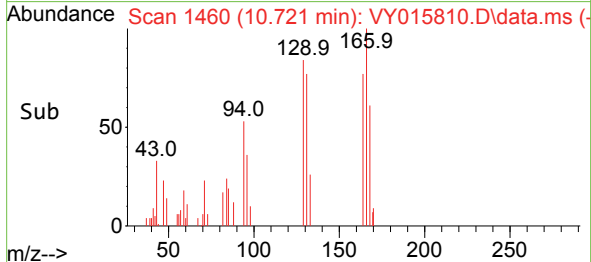
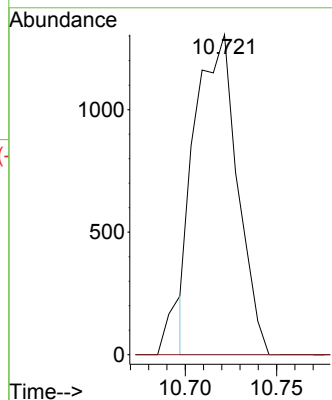
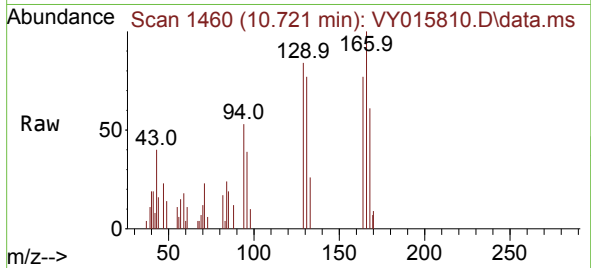




#60
Dibromochloromethane
Concen: 1.021 ug/l
RT: 10.721 min Scan# 14
Delta R.T. -0.262 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

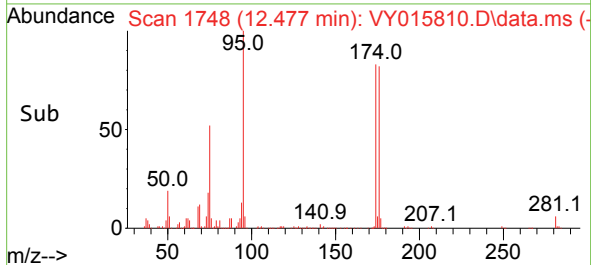
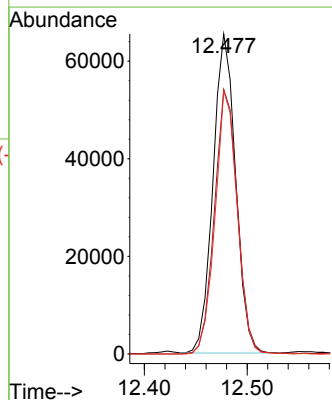
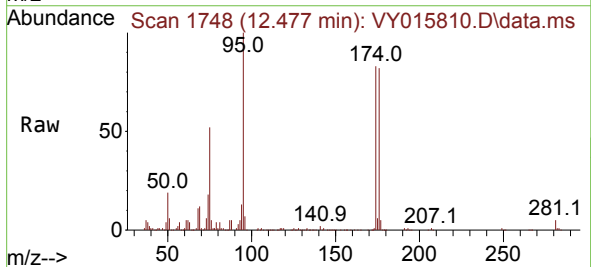
Instrument :
MSVOA_Y
ClientSampleId :

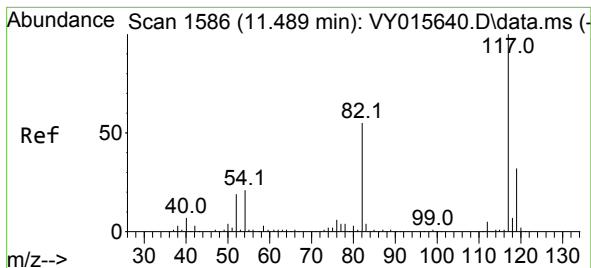
Tgt Ion:129 Resp: 2116
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 49.606 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion: 95 Resp: 99387
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.2
176 81.0 0.0 173.8

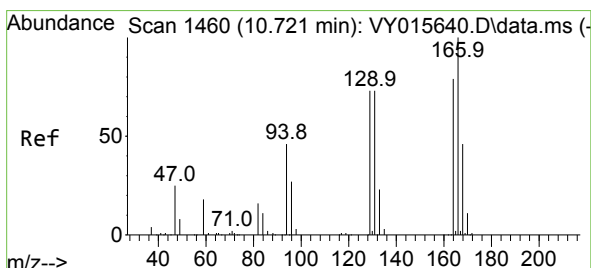
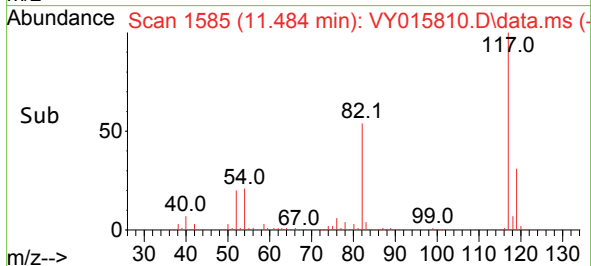
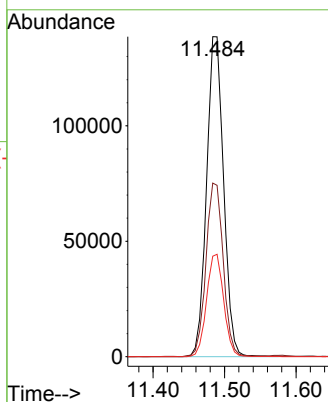
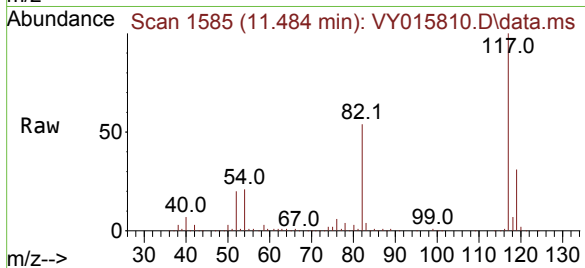




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

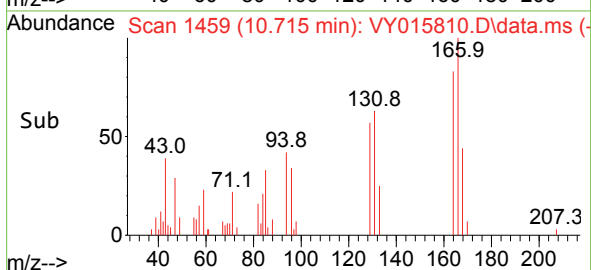
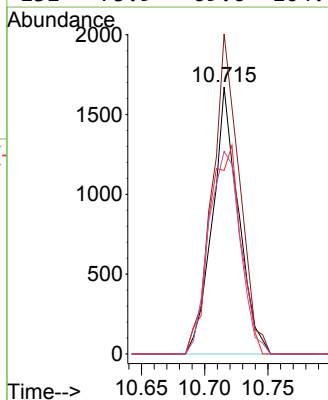
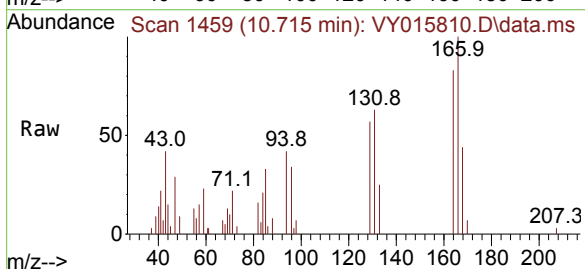
Instrument :
MSVOA_Y
ClientSampleId :

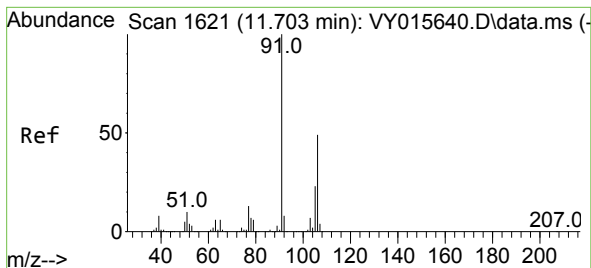
Tgt Ion:117 Resp: 229100
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.0
119 31.4 26.3 39.5



#64
Tetrachloroethene
Concen: 1.215 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion:164 Resp: 2388
Ion Ratio Lower Upper
164 100
166 119.9 103.0 154.6
129 68.8 77.2 115.8#
131 75.9 69.6 104.4

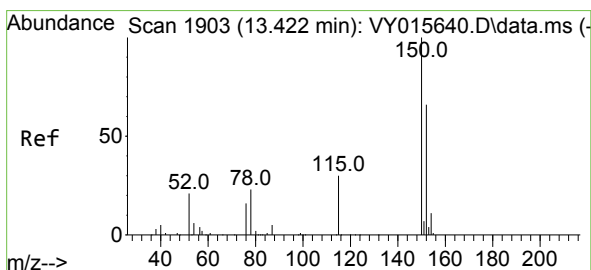
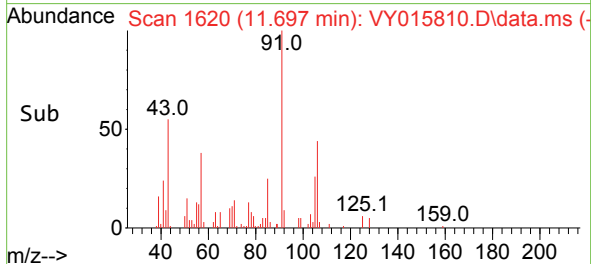
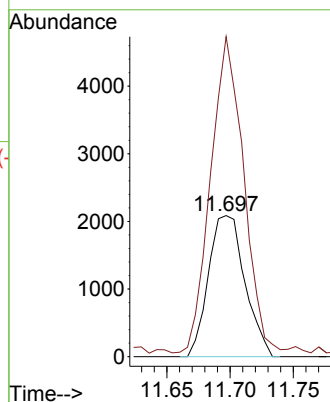
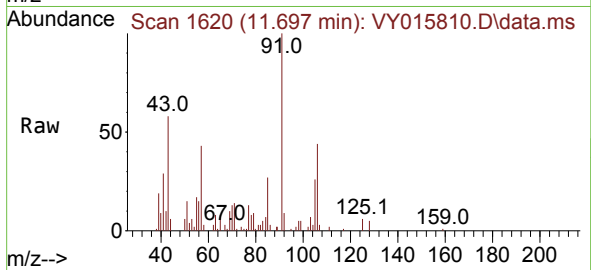




#68
m/p-Xylenes
Concen: 1.256 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

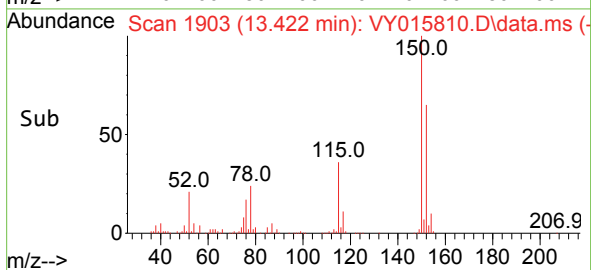
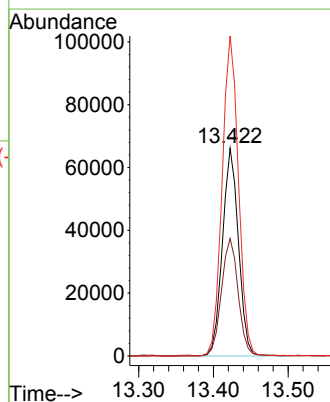
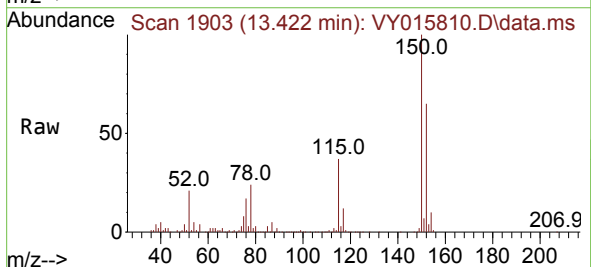
Instrument :
MSVOA_Y
ClientSampleId :

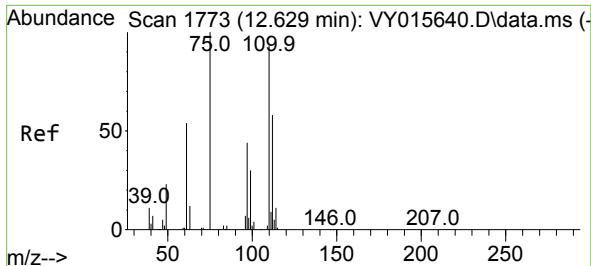
Tgt Ion:106 Resp: 4174
Ion Ratio Lower Upper
106 100
91 206.2 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Tgt Ion:152 Resp: 98291
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 157.2 0.0 348.8

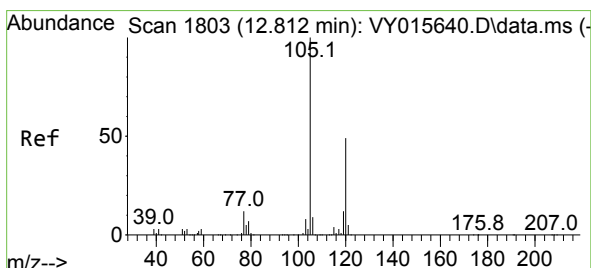
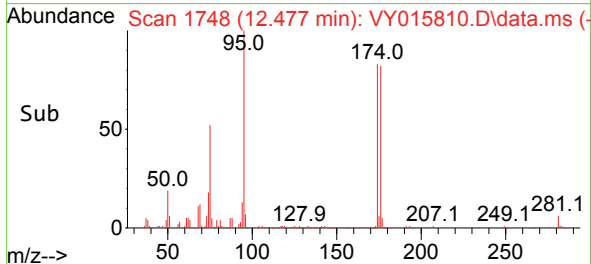
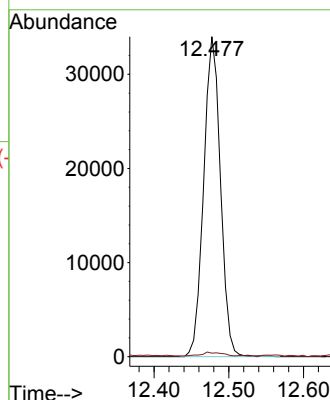
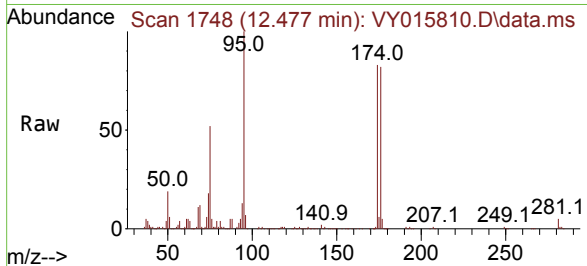




#76
 1,2,3-Trichloropropane
 Concen: 33.830 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. -0.152 min
 Lab File: VY015810.D
 Acq: 03 Oct 2023 16:55

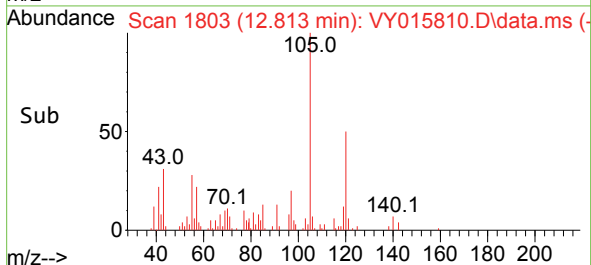
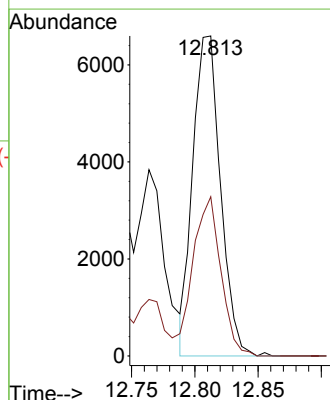
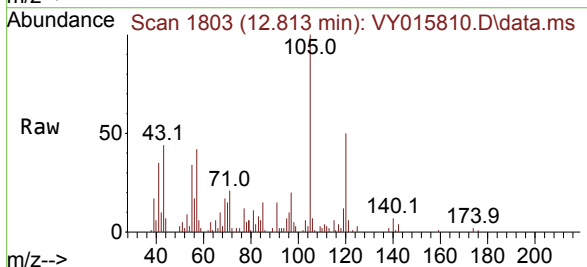
Instrument :
 MSVOA_Y
 ClientSampleId :

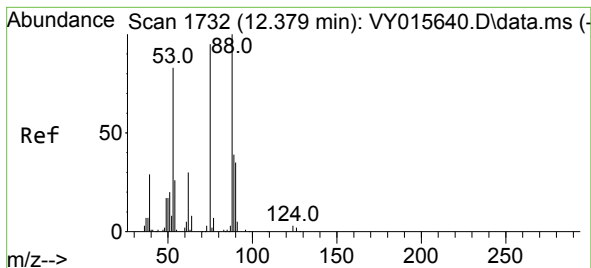
Tgt Ion: 75 Resp: 53047
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.627 ug/l
 RT: 12.813 min Scan# 1803
 Delta R.T. 0.001 min
 Lab File: VY015810.D
 Acq: 03 Oct 2023 16:55

Tgt Ion:105 Resp: 10043
 Ion Ratio Lower Upper
 105 100
 120 50.6 23.9 71.7

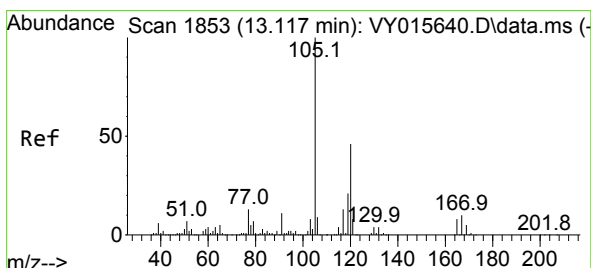
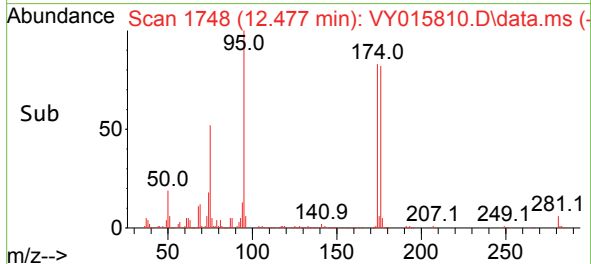
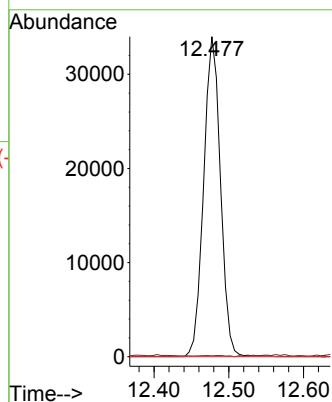
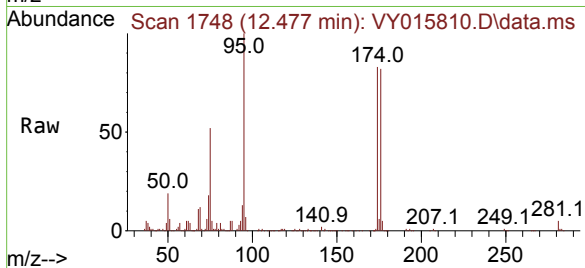




#81
trans-1,4-Dichloro-2-butene
Concen: 76.181 ug/l
RT: 12.477 min Scan# 1732
Delta R.T. 0.097 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

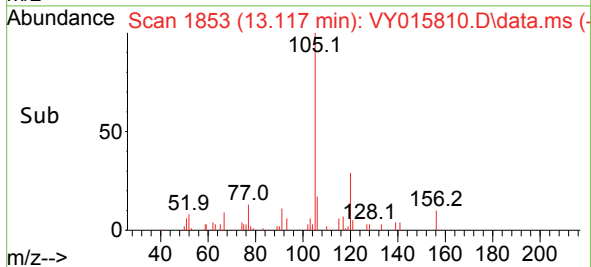
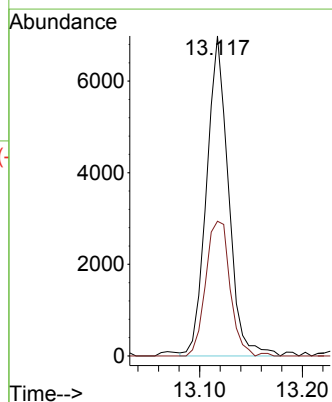
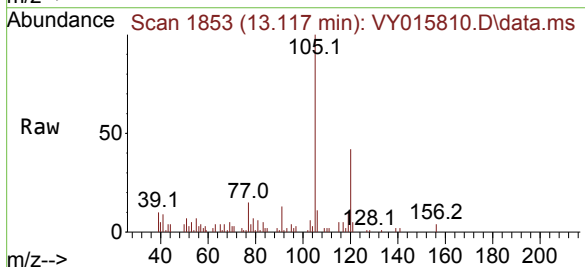
Instrument :
MSVOA_Y
ClientSampleId :

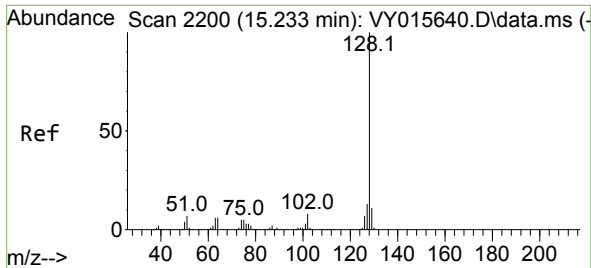
Tgt Ion: 75 Resp: 53047
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.670 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

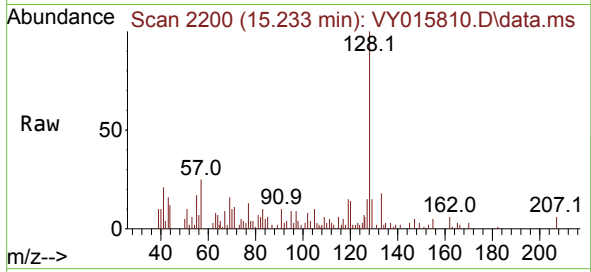
Tgt Ion: 105 Resp: 10317
Ion Ratio Lower Upper
105 100
120 47.1 22.2 66.6





#95
Naphthalene
Concen: 1.306 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015810.D
Acq: 03 Oct 2023 16:55

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 7104
Ion Ratio Lower Upper
128 100
127 21.5 10.8 16.2#
129 16.5 8.6 13.0#

