

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015812.D
 Acq On : 03 Oct 2023 17:42
 Operator : SY/MD
 Sample : 04703-01
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:13:53 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)

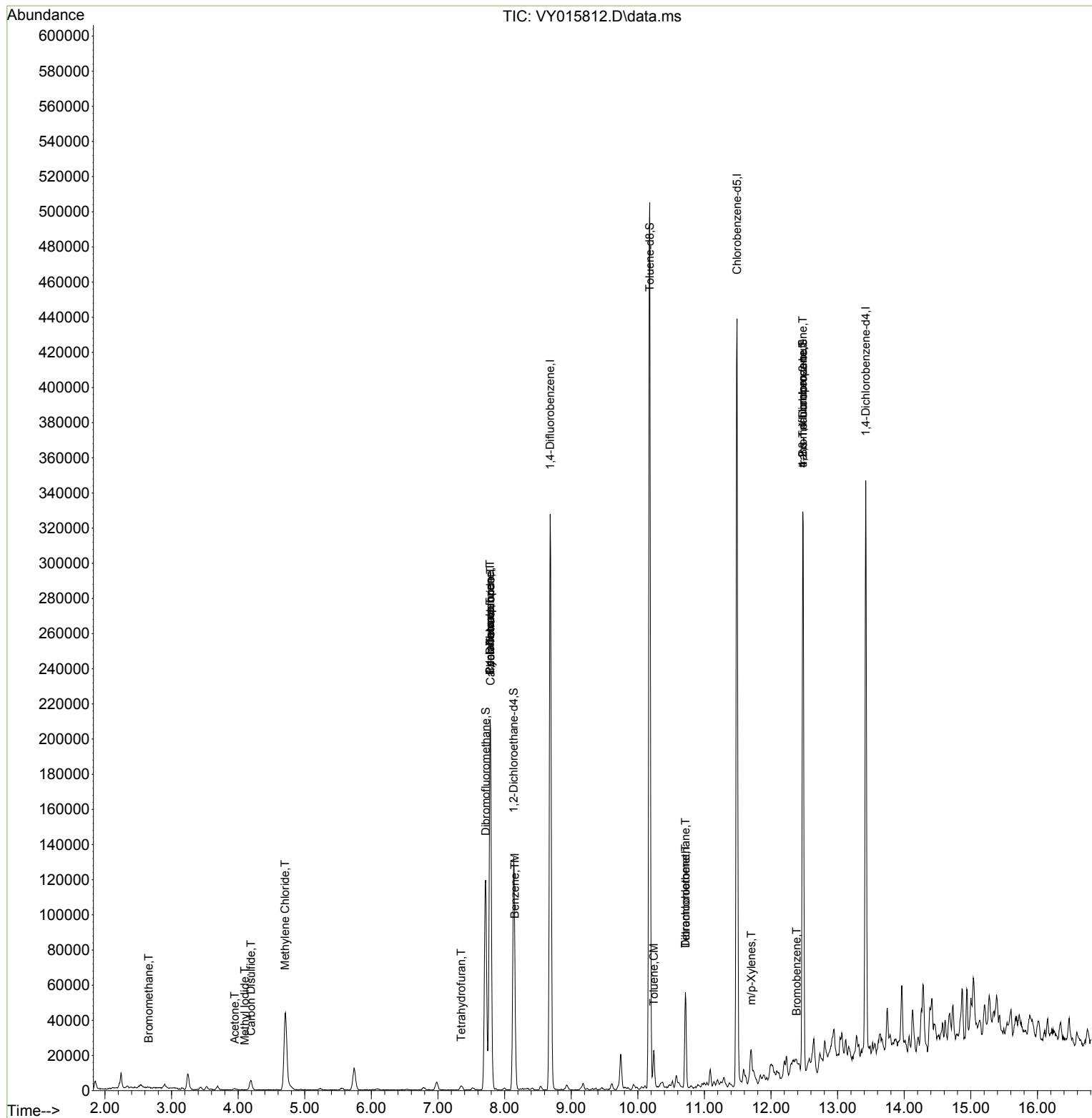
Internal Standards						
1) Pentafluorobenzene	7.783	168	165452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	281748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	236582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	99119	54.448	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.900%	
35) Dibromofluoromethane	7.716	113	85712	50.827	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.660%	
50) Toluene-d8	10.179	98	331608	57.995	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.000%	
62) 4-Bromofluorobenzene	12.477	95	92834	41.372	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.740%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	175	2.663	ug/l #	67
10) Methyl Iodide	4.100	142	19	2.738	ug/l #	38
11) Tert butyl alcohol	4.942	59	612	Below Cal	#	89
16) Acetone	3.948	43	1355	1.391	ug/l	100
17) Carbon Disulfide	4.192	76	11465	4.054	ug/l	97
20) Methylene Chloride	4.704	84	33059	11.797	ug/l	89
29) Tetrahydrofuran	7.350	42	2000	2.570	ug/l #	87
31) Cyclohexane	7.783	56	3990	1.582	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12612	5.058	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16004	5.913	ug/l #	16
40) Benzene	8.155	78	9158	1.204	ug/l	95
52) Toluene	10.240	92	8217	1.676	ug/l	95
60) Dibromochloromethane	10.715	129	9816	4.230	ug/l #	11
64) Tetrachloroethene	10.715	164	10952	5.396	ug/l	91
68) m/p-Xylenes	11.703	106	6135	1.788	ug/l	87
76) 1,2,3-Trichloropropane	12.477	75	50639	38.335	ug/l #	100
77) Bromobenzene	12.386	156	2001	1.312	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	50639	86.326	ug/l #	11

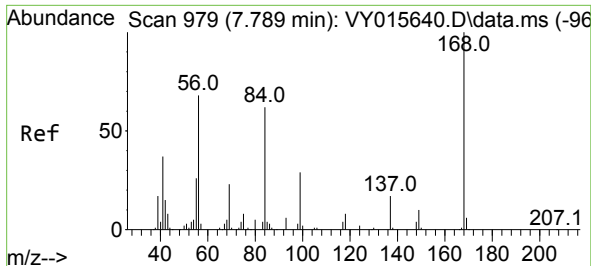
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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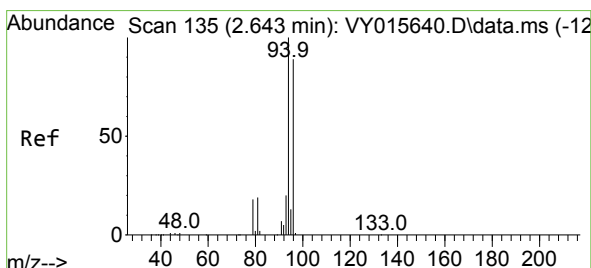
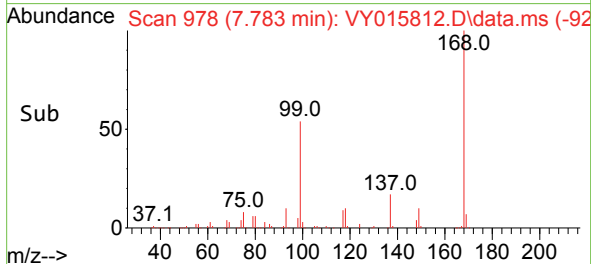
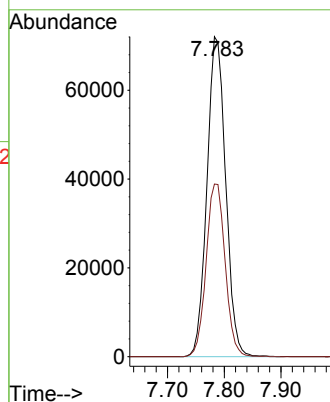
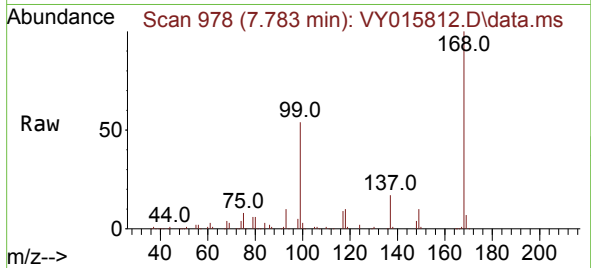




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

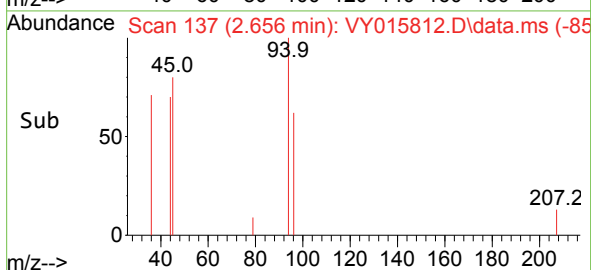
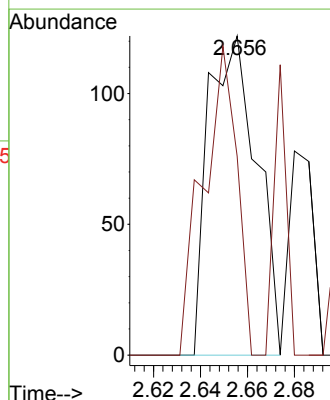
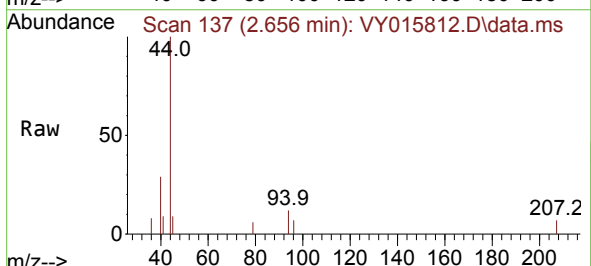
Instrument :
MSVOA_Y
ClientSampleId :

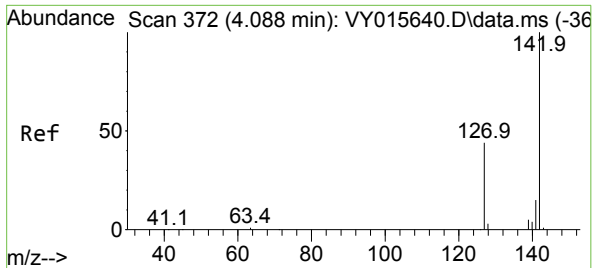
Tgt Ion:168 Resp: 165452
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#5
Bromomethane
Concen: 2.663 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 62.3 75.8 113.6#

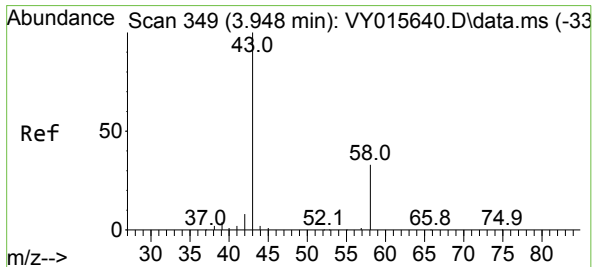
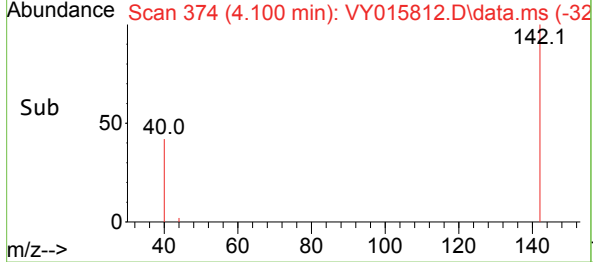
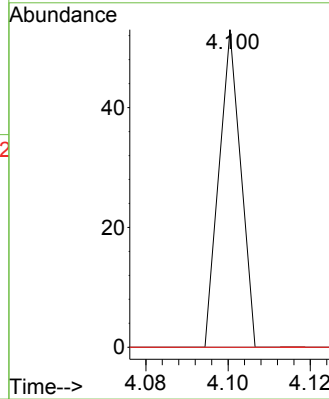
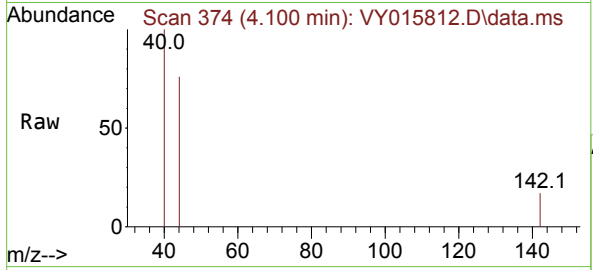




#10
Methyl Iodide
Concen: 2.738 ug/l
RT: 4.100 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

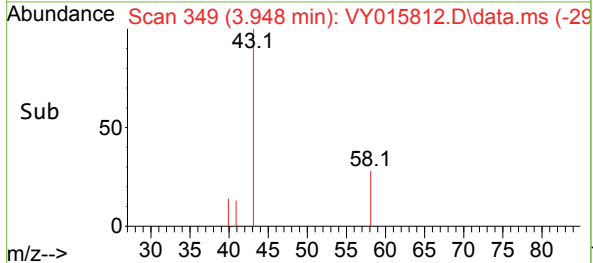
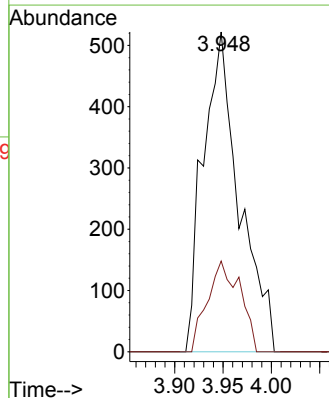
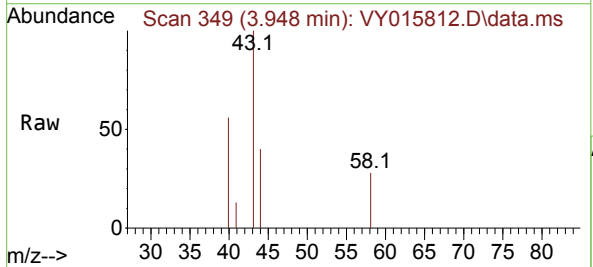
Instrument :
MSVOA_Y
ClientSampleId :

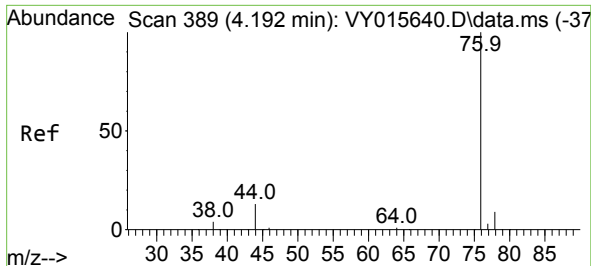
Tgt Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.391 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

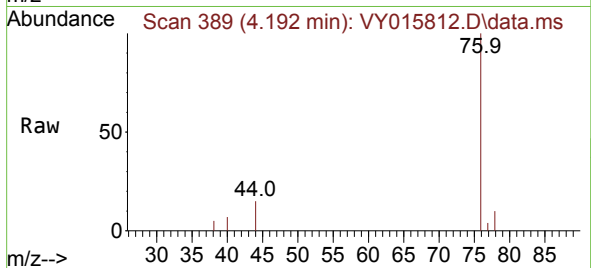
Tgt Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
58 28.4 22.7 34.1



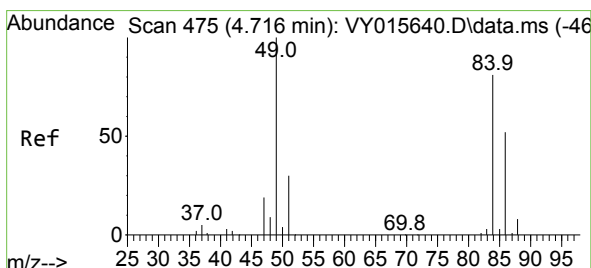
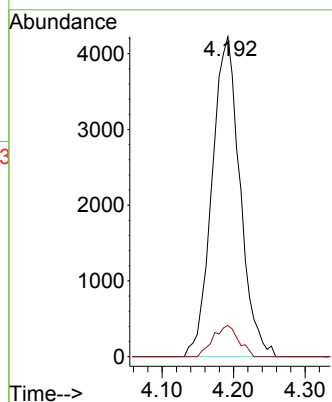
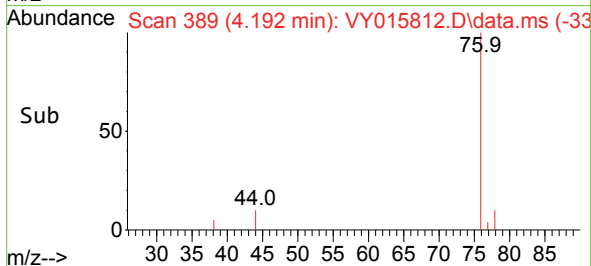


#17
Carbon Disulfide
Concen: 4.054 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

Instrument :
MSVOA_Y
ClientSampleId :

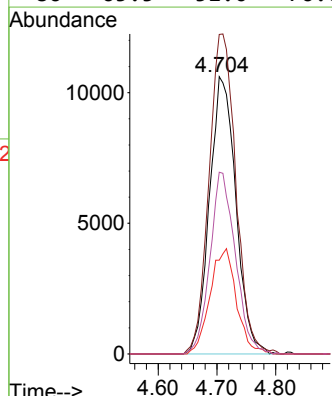
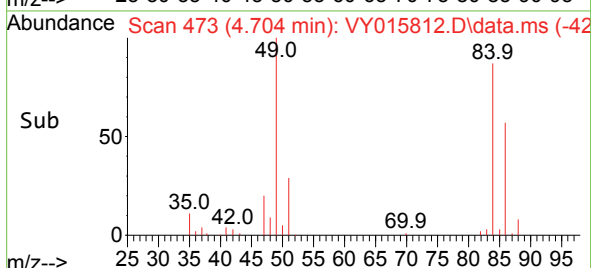
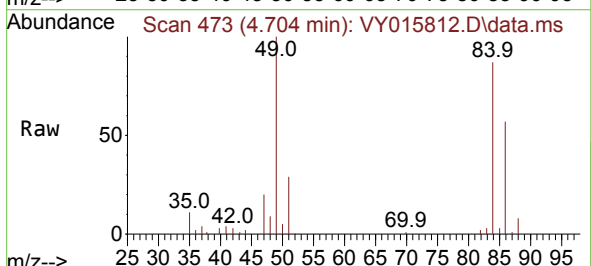


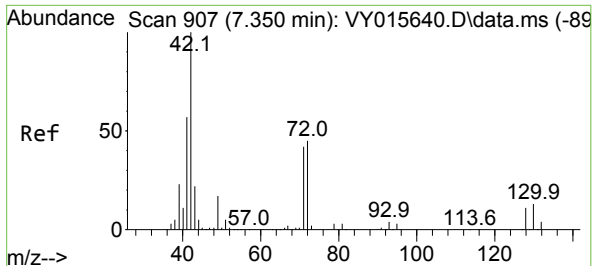
Tgt Ion: 76 Resp: 11465
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.4



#20
Methylene Chloride
Concen: 11.797 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

Tgt Ion: 84 Resp: 33059
Ion Ratio Lower Upper
84 100
49 115.2 106.9 160.3
51 33.8 33.2 49.8
86 65.5 51.0 76.6





#29

Tetrahydrofuran

Concen: 2.570 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

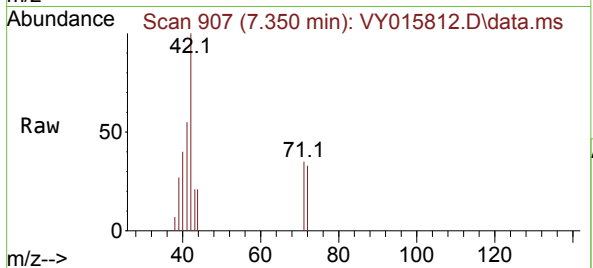
Lab File: VY015812.D

Acq: 03 Oct 2023 17:42

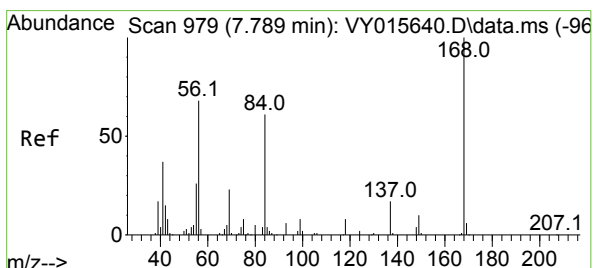
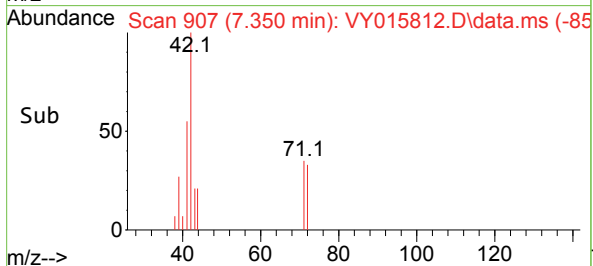
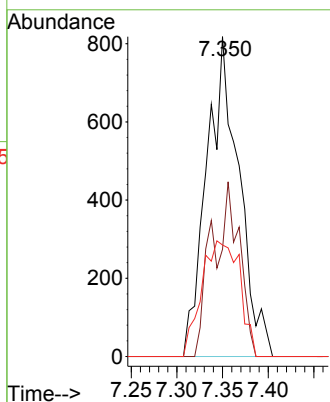
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	2000
Ion	Ratio	Lower	Upper
42	100		
72	29.0	32.8	49.2#
71	42.8	31.0	46.4



#31

Cyclohexane

Concen: 1.582 ug/l

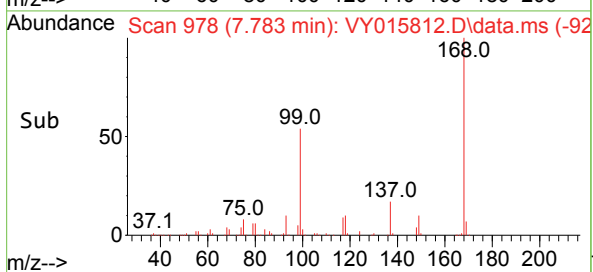
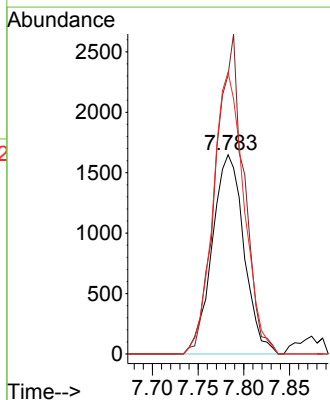
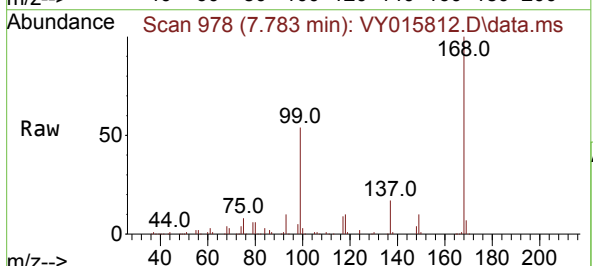
RT: 7.783 min Scan# 978

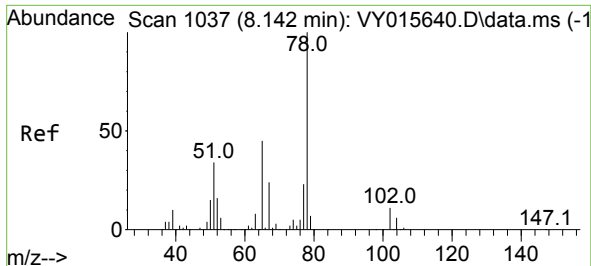
Delta R.T. -0.000 min

Lab File: VY015812.D

Acq: 03 Oct 2023 17:42

Tgt Ion:	56	Resp:	3990
Ion	Ratio	Lower	Upper
56	100		
69	140.1	27.8	41.6#
84	141.3	66.4	99.6#

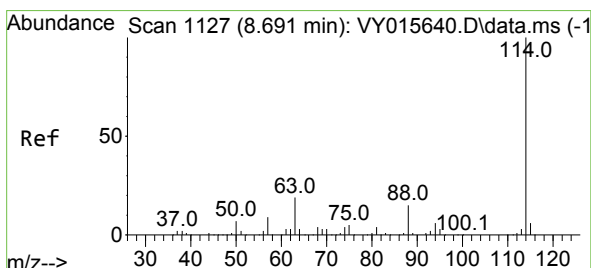
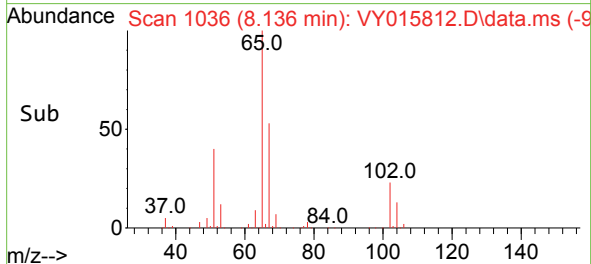
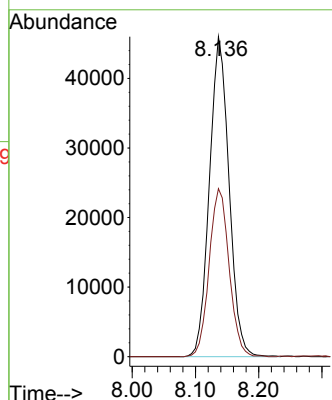
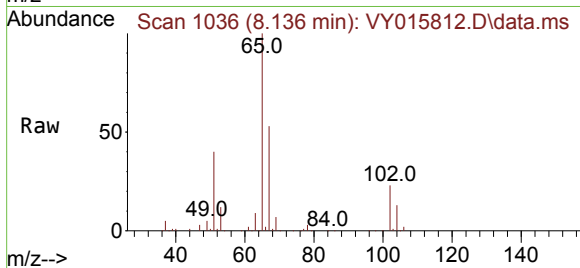




#33
1,2-Dichloroethane-d4
Concen: 54.448 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

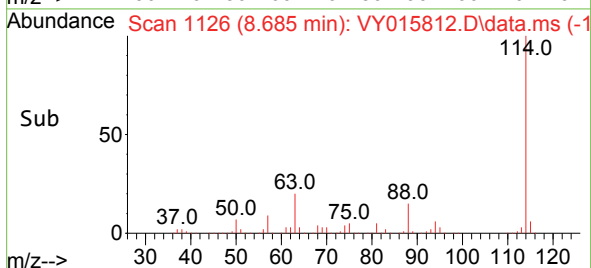
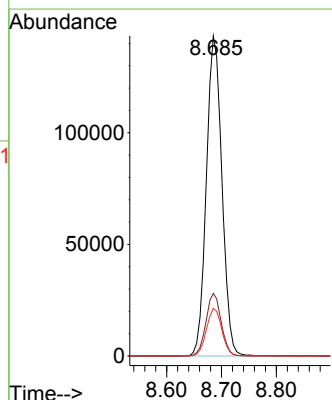
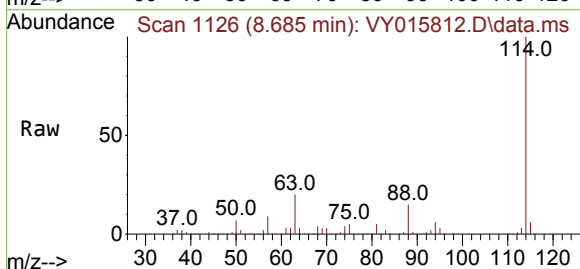
Instrument :
MSVOA_Y
ClientSampleId :

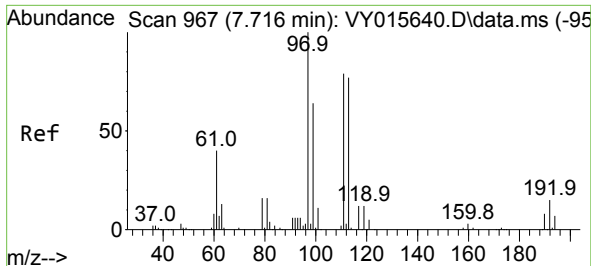
Tgt Ion: 65 Resp: 99119
Ion Ratio Lower Upper
65 100
67 53.3 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

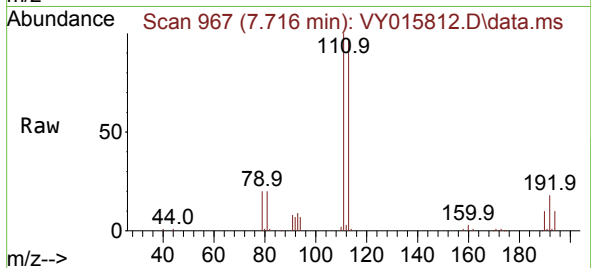
Tgt Ion: 114 Resp: 281748
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.4
88 14.9 0.0 30.6



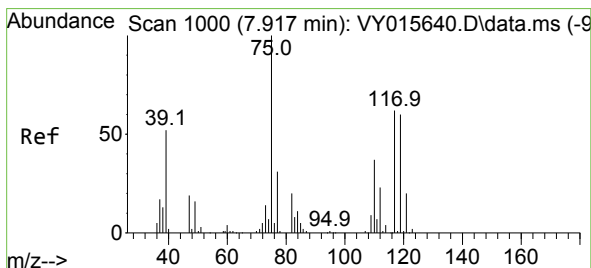
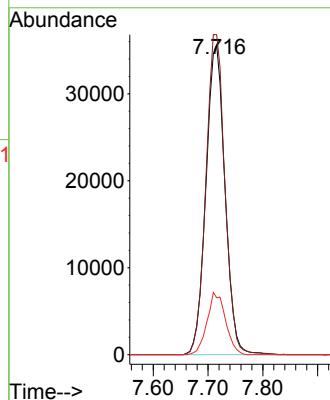
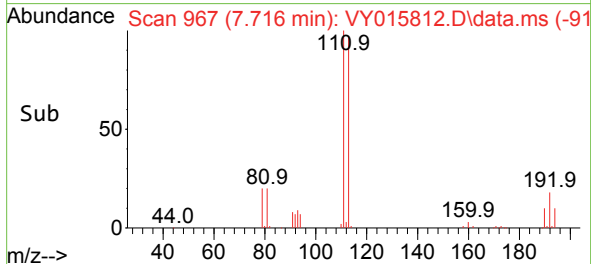


#35
Dibromofluoromethane
Concen: 50.827 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

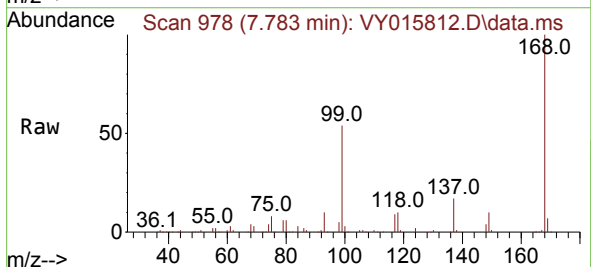
Instrument :
MSVOA_Y
ClientSampleId :



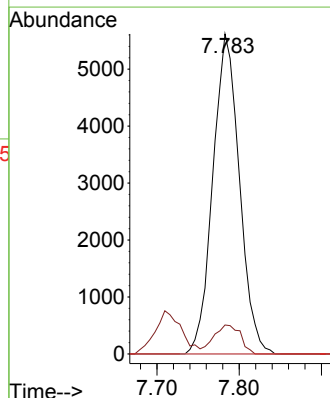
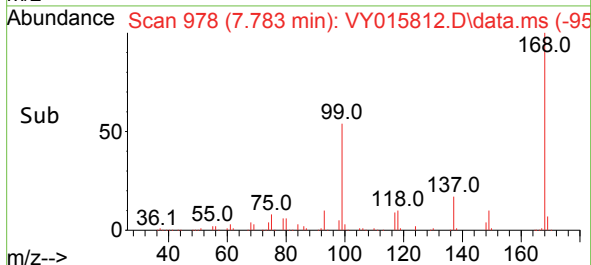
Tgt Ion:113 Resp: 85712
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.5 16.9 25.3

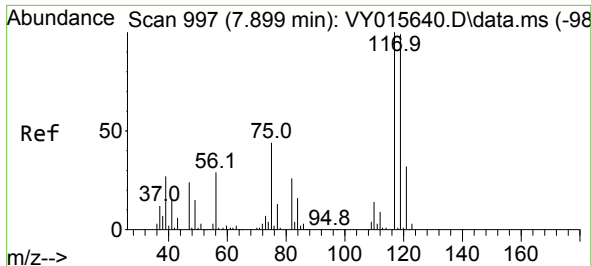


#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42



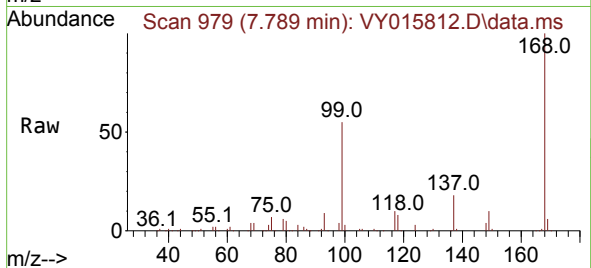
Tgt Ion: 75 Resp: 12612
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



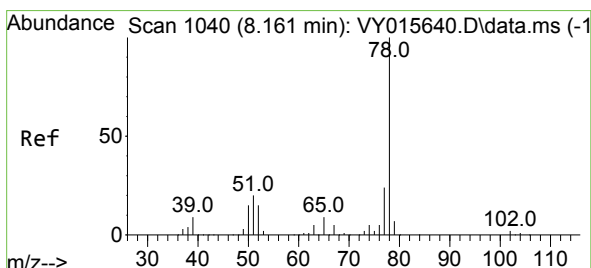
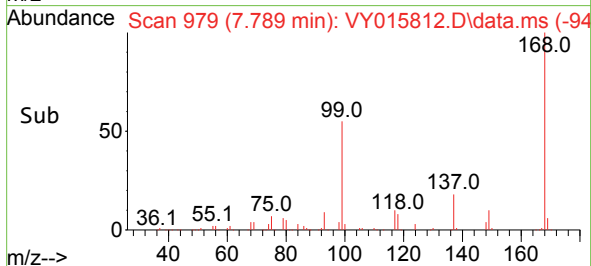
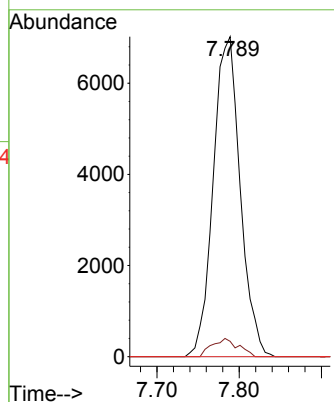


#38
Carbon Tetrachloride
Concen: 5.913 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

Instrument :
MSVOA_Y
ClientSampleId :

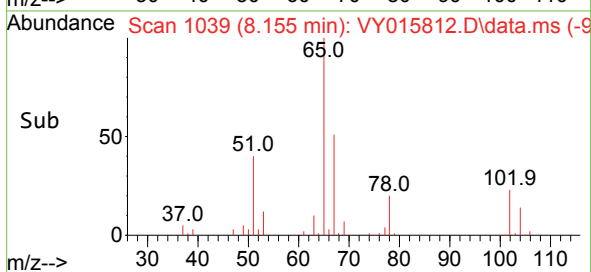
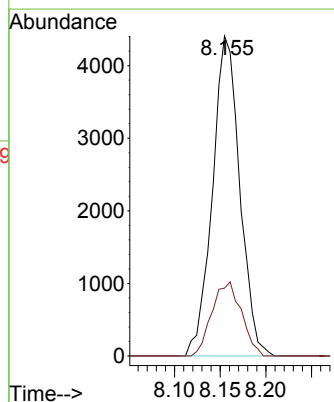
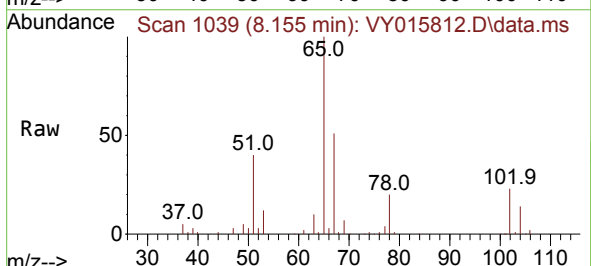


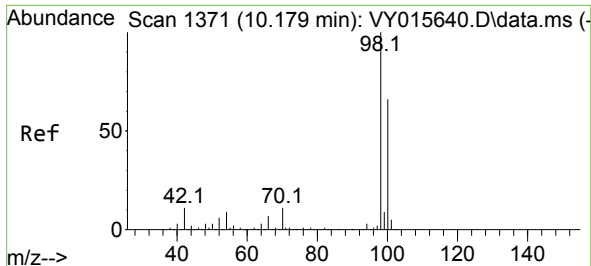
Tgt Ion:117 Resp: 16004
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 1.204 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

Tgt Ion: 78 Resp: 9158
Ion Ratio Lower Upper
78 100
77 21.2 19.0 28.6

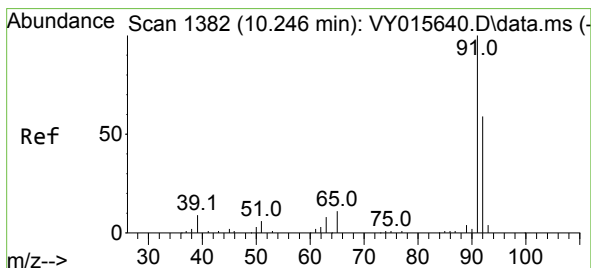
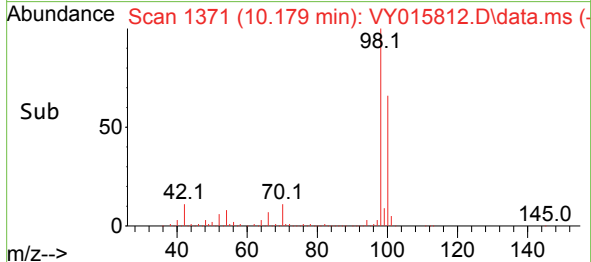
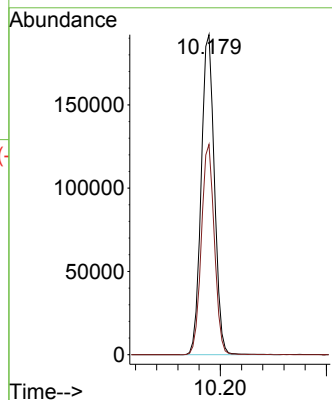
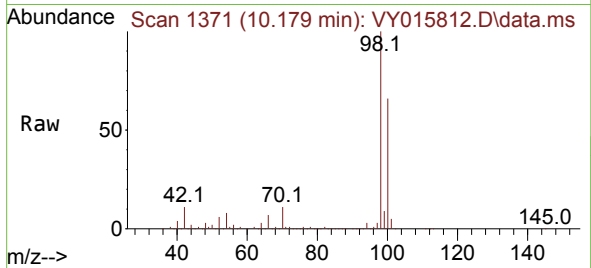




#50
Toluene-d8
Concen: 57.995 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

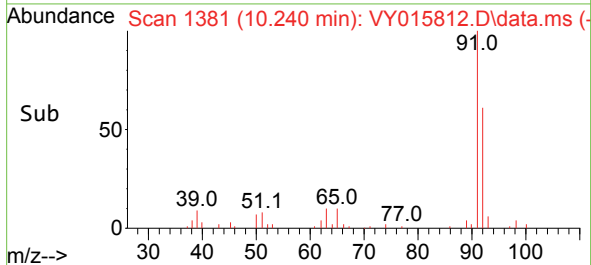
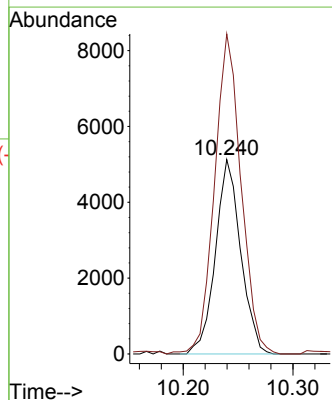
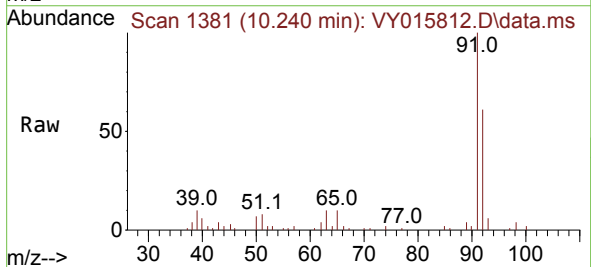
Instrument :
MSVOA_Y
ClientSampleId :

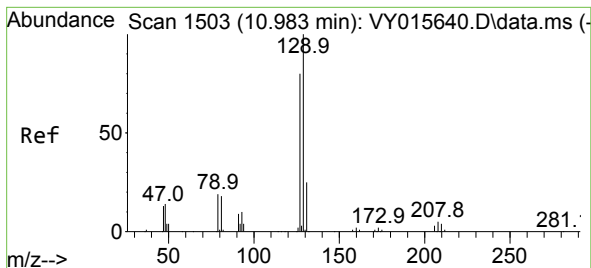
Tgt Ion: 98 Resp: 331608
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#52
Toluene
Concen: 1.676 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

Tgt Ion: 92 Resp: 8217
Ion Ratio Lower Upper
92 100
91 172.5 143.8 215.6

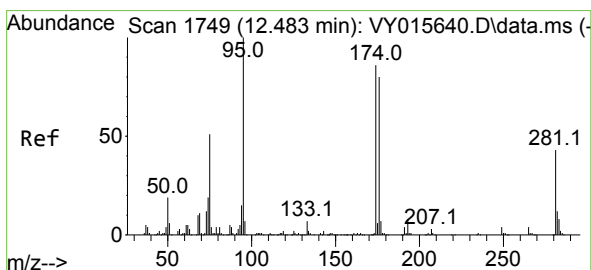
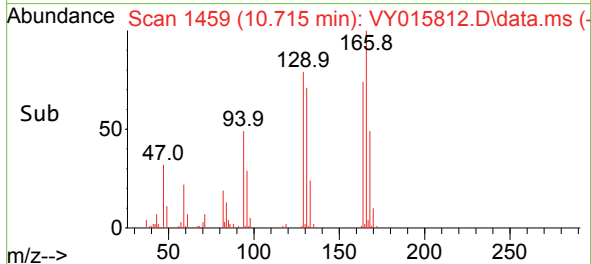
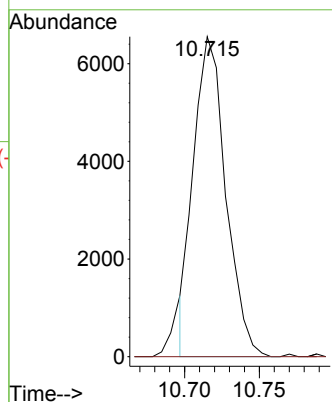
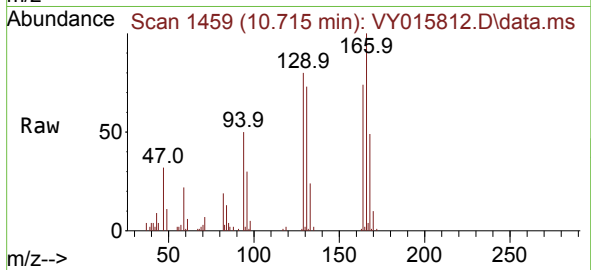




#60
Dibromochloromethane
Concen: 4.230 ug/l
RT: 10.715 min Scan# 14
Delta R.T. -0.268 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

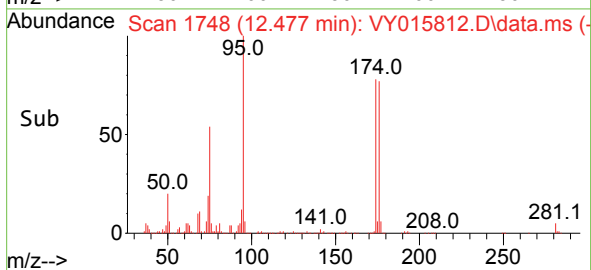
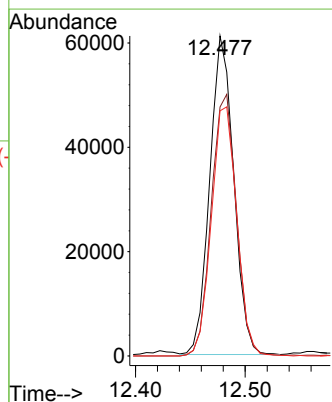
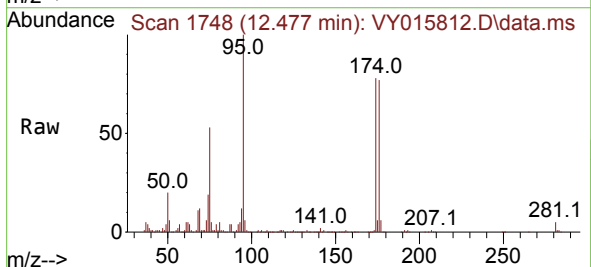
Instrument :
MSVOA_Y
ClientSampleId :

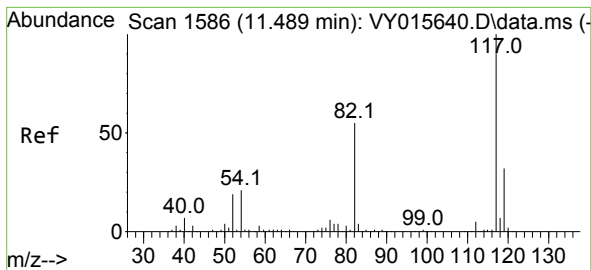
Tgt Ion:129 Resp: 9816
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 41.372 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

Tgt Ion: 95 Resp: 92834
Ion Ratio Lower Upper
95 100
174 86.5 0.0 178.2
176 83.2 0.0 173.8

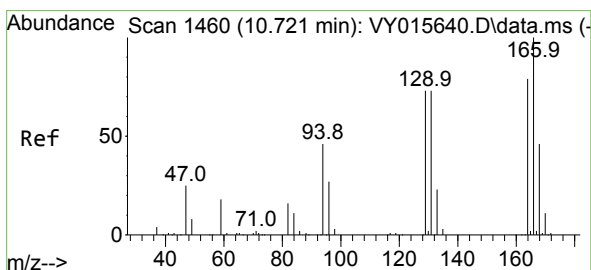
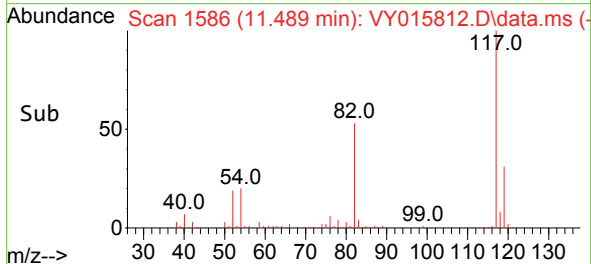
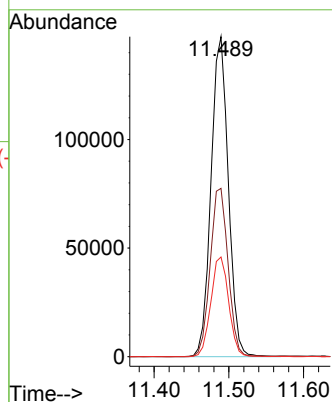
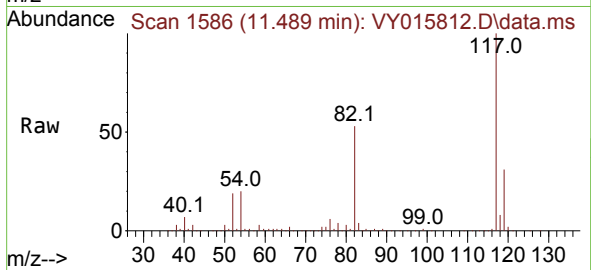




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

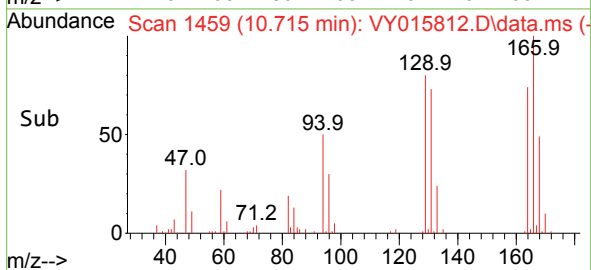
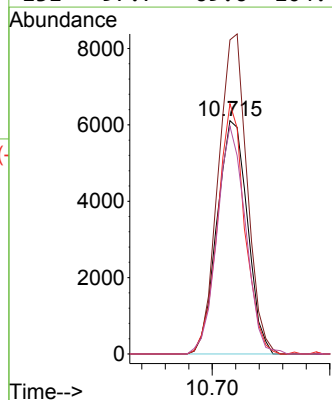
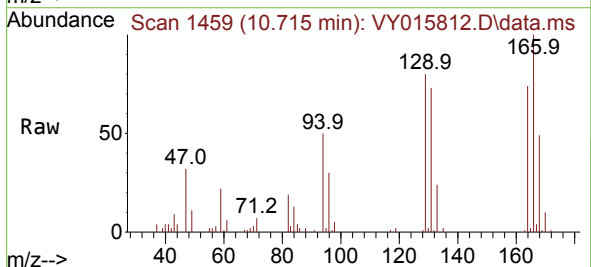
Instrument :
MSVOA_Y
ClientSampleId :

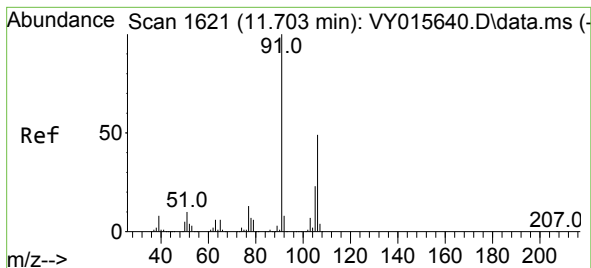
Tgt Ion:117 Resp: 236582
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.0
119 31.2 26.3 39.5



#64
Tetrachloroethene
Concen: 5.396 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

Tgt Ion:164 Resp: 10952
Ion Ratio Lower Upper
164 100
166 134.7 103.0 154.6
129 107.3 77.2 115.8
131 97.7 69.6 104.4

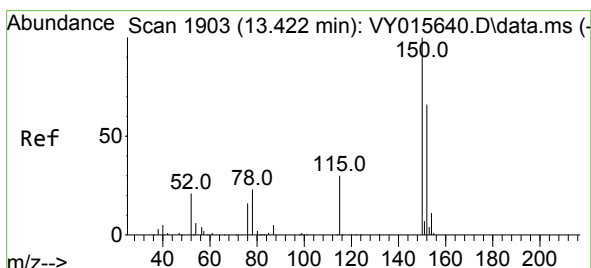
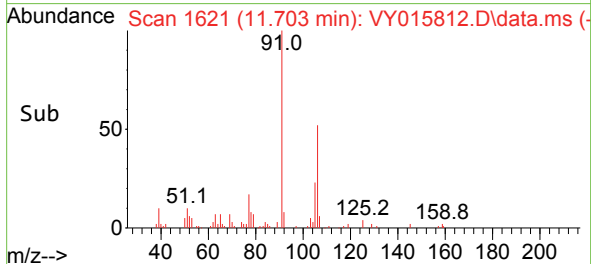
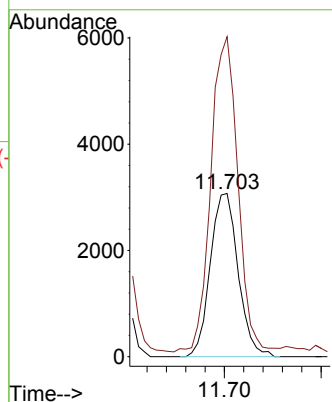
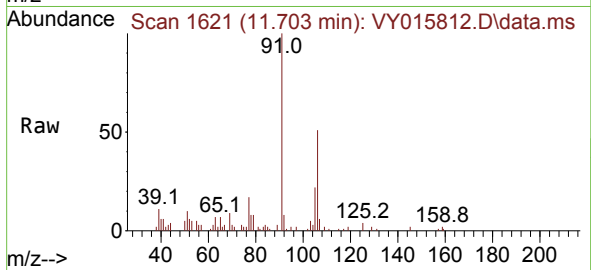




#68
m/p-Xylenes
Concen: 1.788 ug/l
RT: 11.703 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

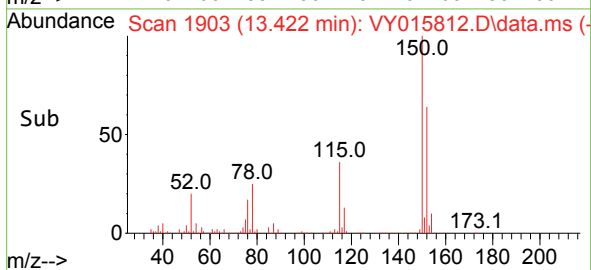
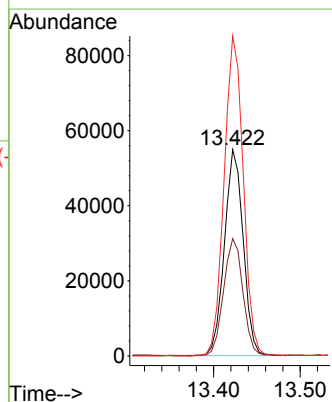
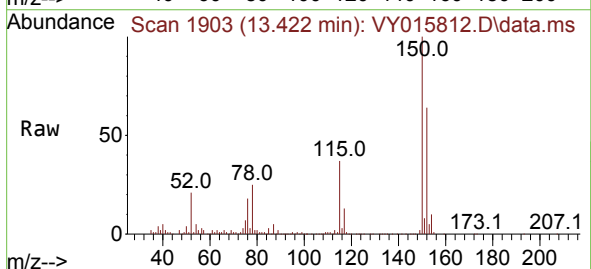
Instrument :
MSVOA_Y
ClientSampleId :

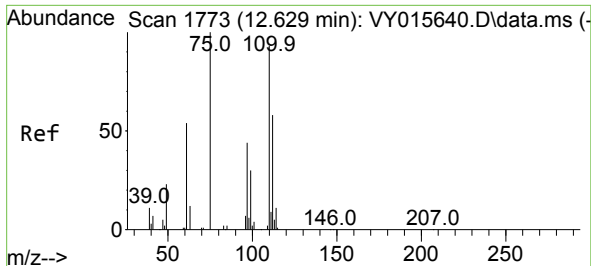
Tgt Ion:106 Resp: 6135
Ion Ratio Lower Upper
106 100
91 187.0 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

Tgt Ion:152 Resp: 82802
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.5
150 158.8 0.0 348.8

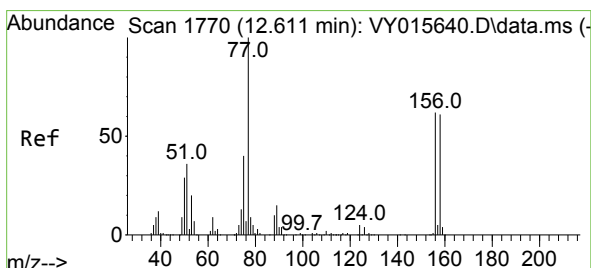
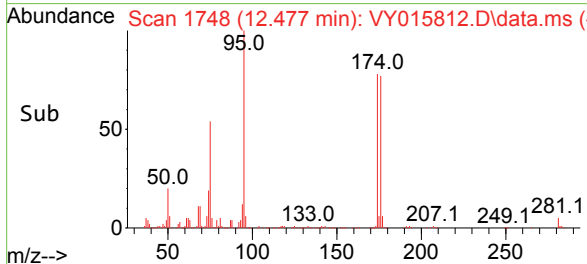
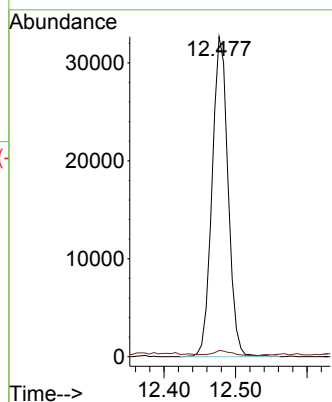
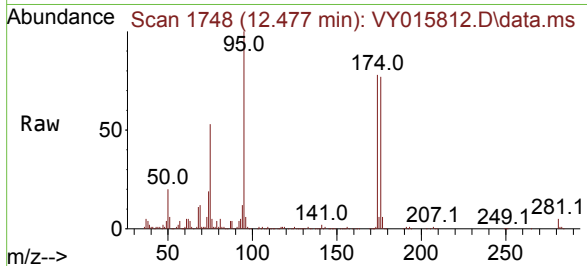




#76
1,2,3-Trichloropropane
Concen: 38.335 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

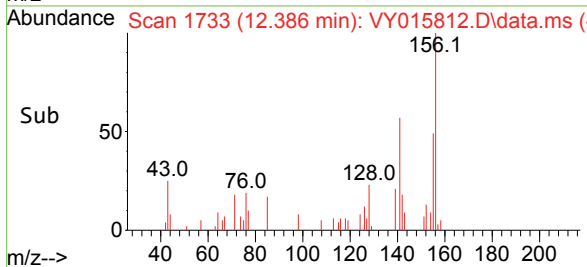
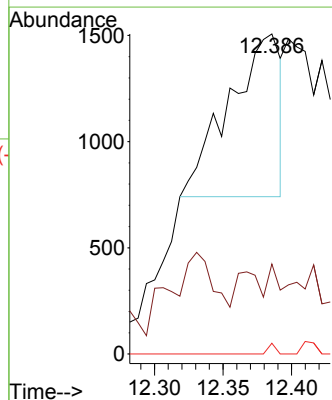
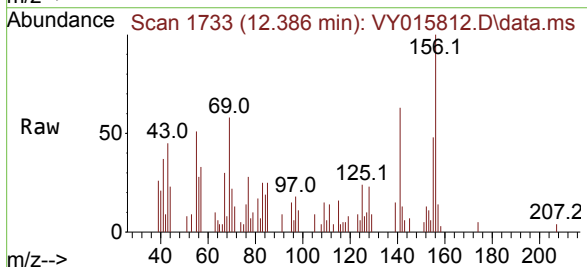
Instrument :
MSVOA_Y
ClientSampleId :

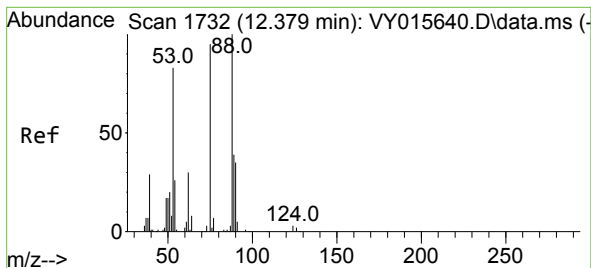
Tgt Ion: 75 Resp: 50639
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#77
Bromobenzene
Concen: 1.312 ug/l
RT: 12.386 min Scan# 1733
Delta R.T. -0.219 min
Lab File: VY015812.D
Acq: 03 Oct 2023 17:42

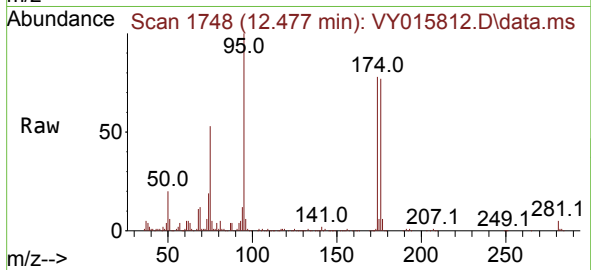
Tgt Ion: 156 Resp: 2001
Ion Ratio Lower Upper
156 100
77 9.6 92.8 278.6#
158 0.9 48.4 145.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.326 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY015812.D
 Acq: 03 Oct 2023 17:42

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 50639
 Ion Ratio Lower Upper
 75 100
 53 0.7 77.8 116.8#
 89 0.1 37.4 56.0#

