

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102023\
 Data File : VY016060.D
 Acq On : 20 Oct 2023 12:41
 Operator : SY/MD
 Sample : 04981-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 20 23:06:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 03:15:44 2023
 Response via : Initial Calibration

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

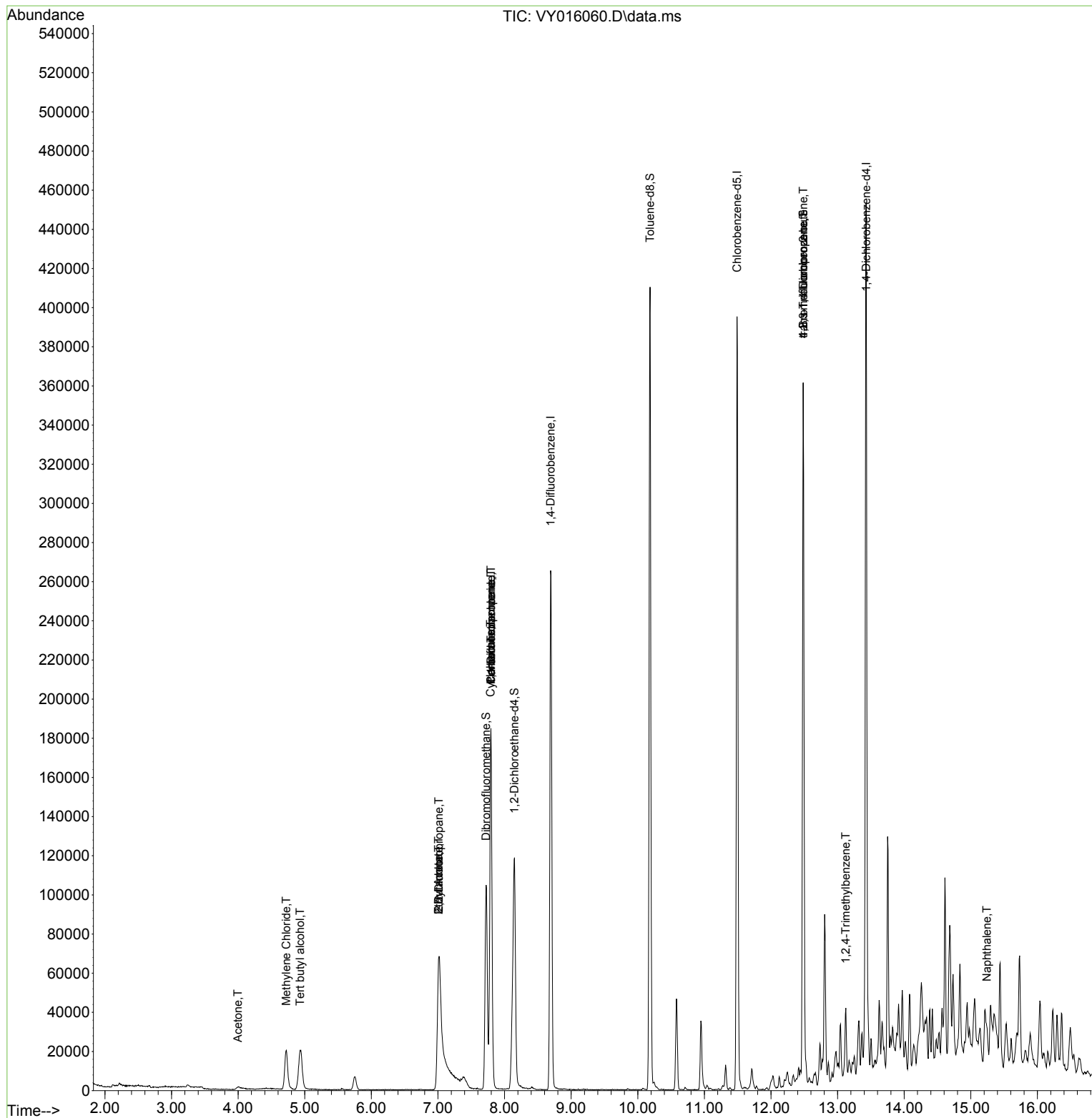
Internal Standards						
1) Pentafluorobenzene	7.795	168	147946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	238849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	221572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88757	52.784	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.560%	
35) Dibromofluoromethane	7.722	113	77073	49.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.040%	
50) Toluene-d8	10.185	98	276748	48.469	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.940%	
62) 4-Bromofluorobenzene	12.483	95	98823	48.506	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	19525	75.221	ug/l #	90
16) Acetone	3.997	43	1811	2.905	ug/l	95
20) Methylene Chloride	4.723	84	15852	8.561	ug/l	91
25) 2-Butanone	7.009	43	5690	6.665	ug/l #	71
26) 2,2-Dichloropropane	7.015	77	7482	2.901	ug/l #	54
31) Cyclohexane	7.789	56	2712	1.030	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	10886	4.602	ug/l #	51
37) Ethyl Acetate	7.009	43	5690	3.337	ug/l #	1
38) Carbon Tetrachloride	7.795	117	14396	5.726	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	52780	32.886	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52780	71.787	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	18403	2.639	ug/l	98
95) Naphthalene	15.239	128	10685	1.859	ug/l #	90

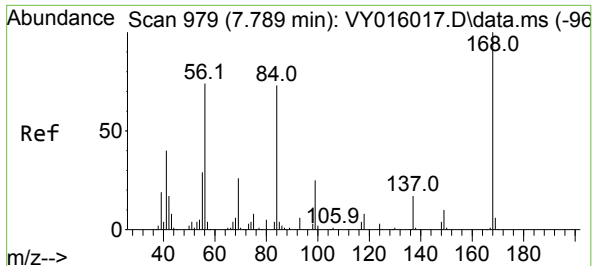
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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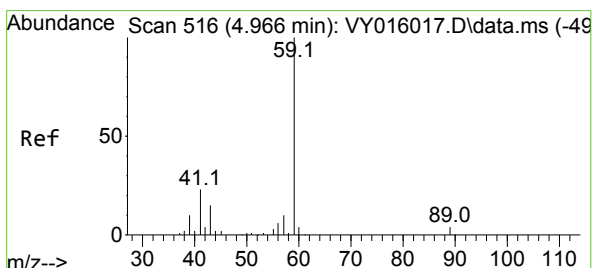
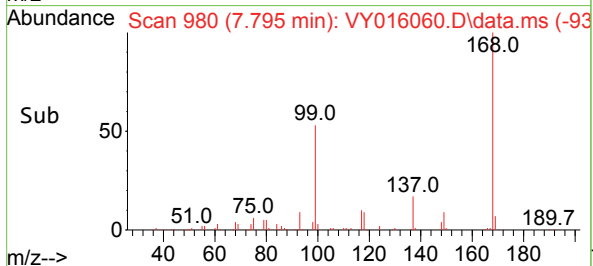
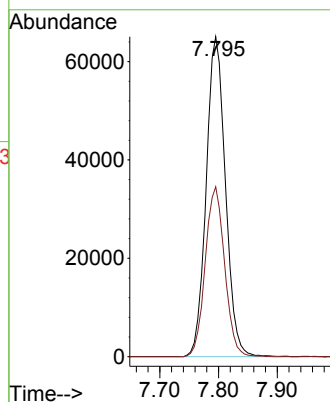
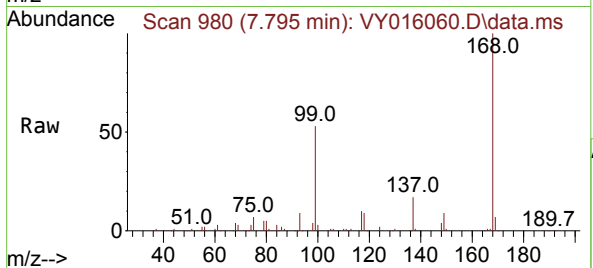




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

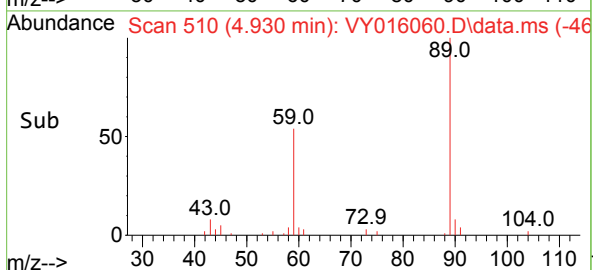
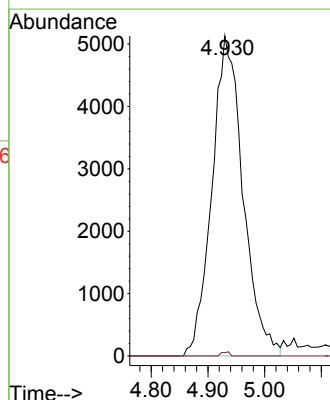
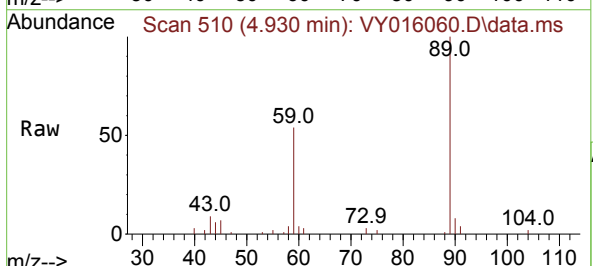
Instrument :
MSVOA_Y
ClientSampleId :

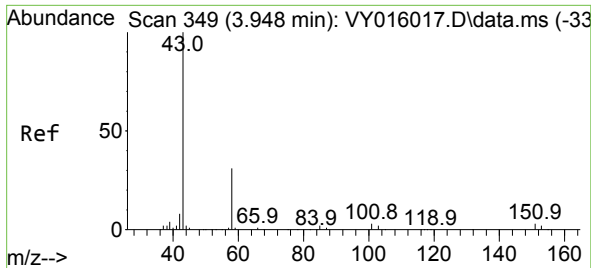
Tgt Ion:168 Resp: 147946
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 75.221 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Tgt Ion: 59 Resp: 19525
Ion Ratio Lower Upper
59 100
57 0.3 3.0 4.4#

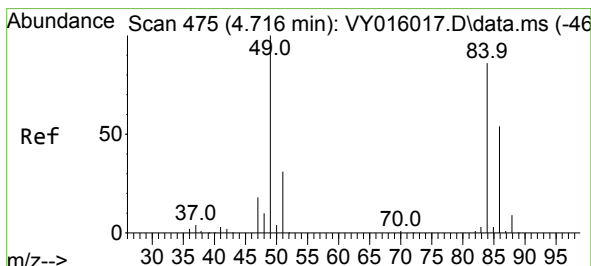
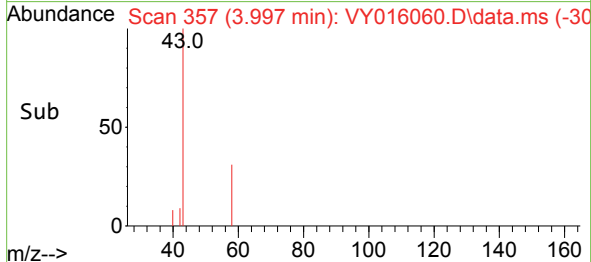
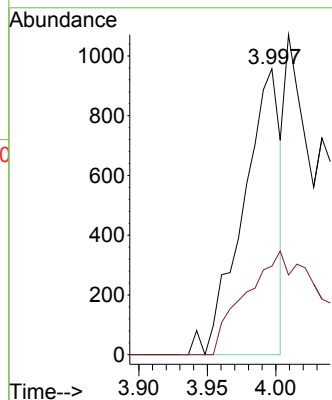
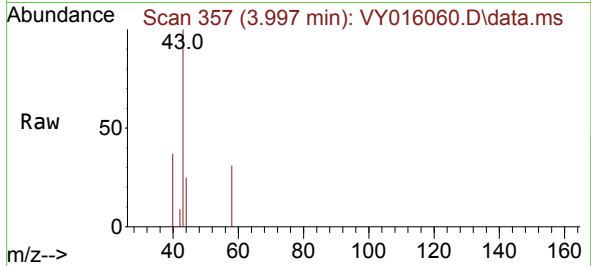




#16
Acetone
Concen: 2.905 ug/l
RT: 3.997 min Scan# 31
Delta R.T. 0.049 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

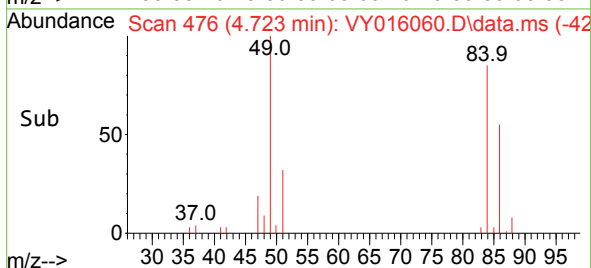
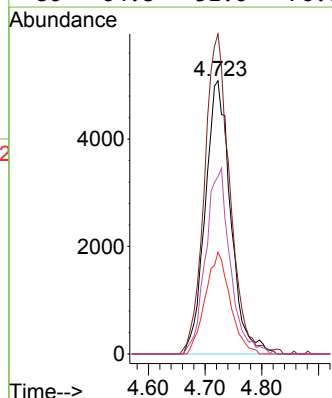
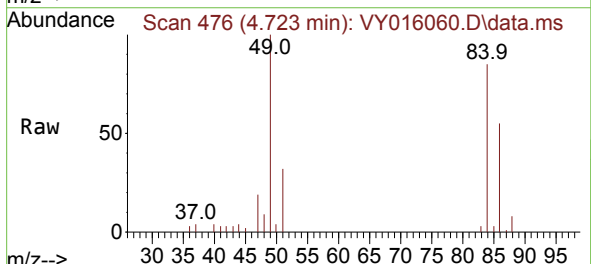
Instrument :
MSVOA_Y
ClientSampleId :

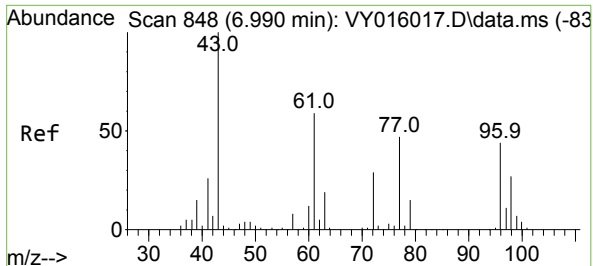
Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
58 30.9 22.7 34.1



#20
Methylene Chloride
Concen: 8.561 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Tgt Ion: 84 Resp: 15852
Ion Ratio Lower Upper
84 100
49 117.1 106.9 160.3
51 37.1 33.2 49.8
86 64.8 51.0 76.6





#25

2-Butanone

Concen: 6.665 ug/l

RT: 7.009 min Scan# 851

Delta R.T. 0.018 min

Lab File: VY016060.D

Acq: 20 Oct 2023 12:41

Instrument :

MSVOA_Y

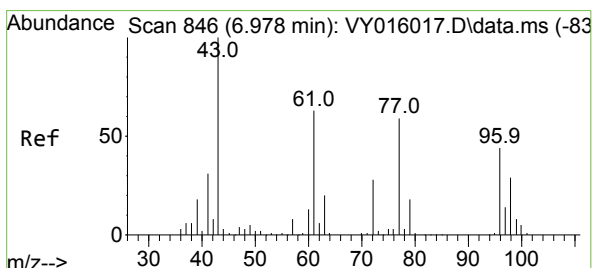
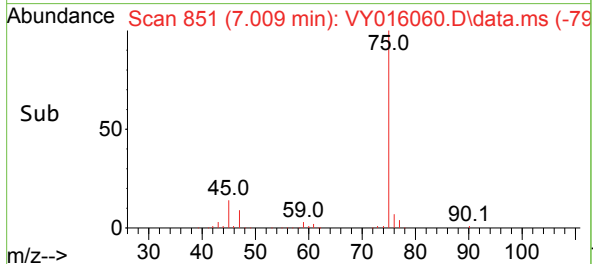
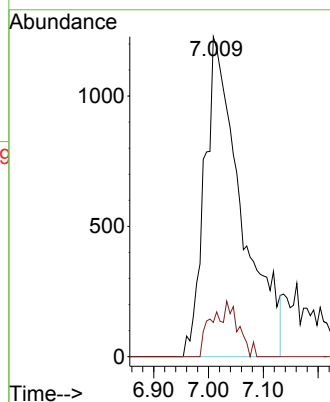
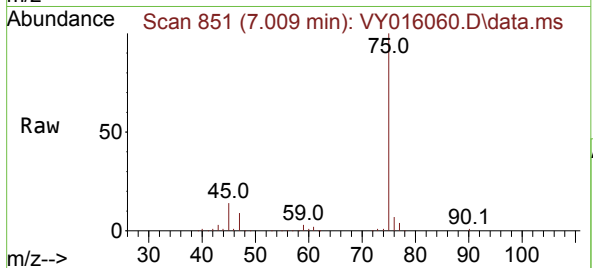
ClientSampleId :

Tgt Ion: 43 Resp: 5690

Ion Ratio Lower Upper

43 100

72 10.7 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.901 ug/l

RT: 7.015 min Scan# 852

Delta R.T. 0.037 min

Lab File: VY016060.D

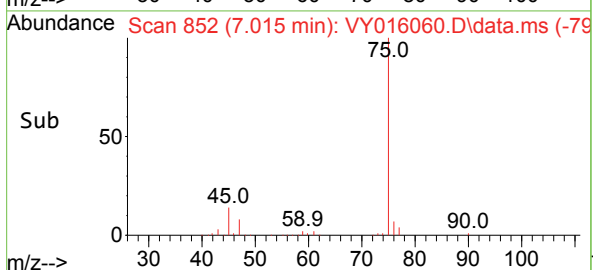
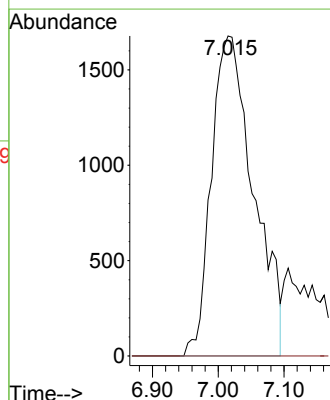
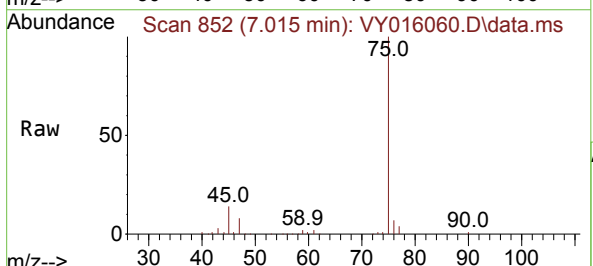
Acq: 20 Oct 2023 12:41

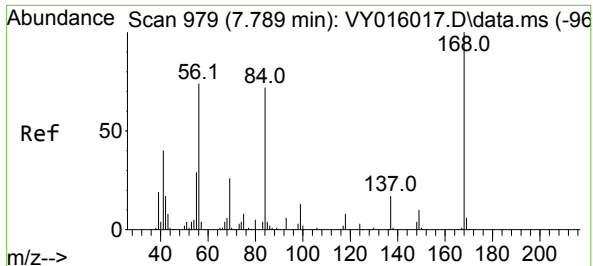
Tgt Ion: 77 Resp: 7482

Ion Ratio Lower Upper

77 100

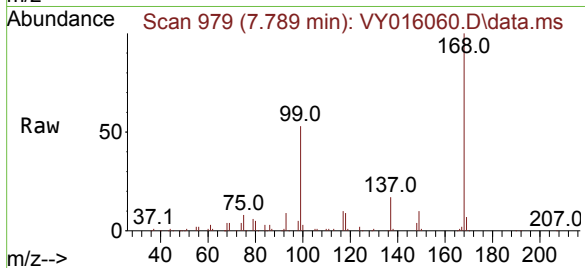
97 0.0 10.9 32.9#



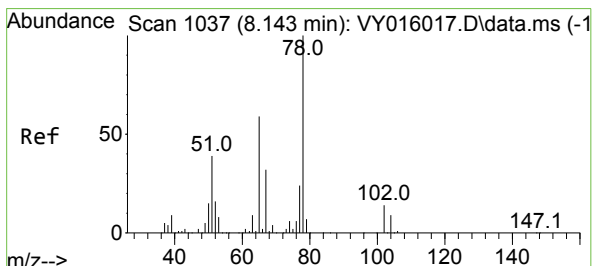
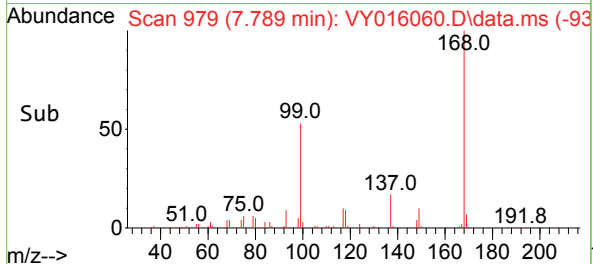
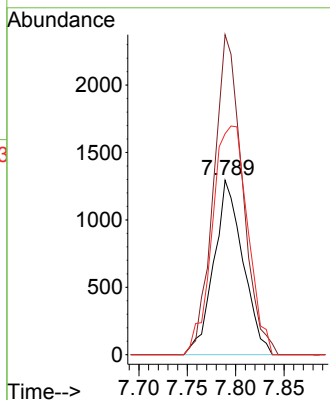


#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Instrument :
MSVOA_Y
ClientSampleId :

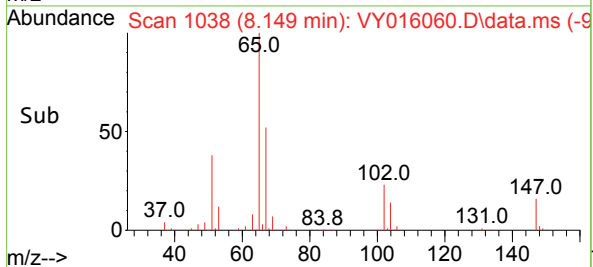
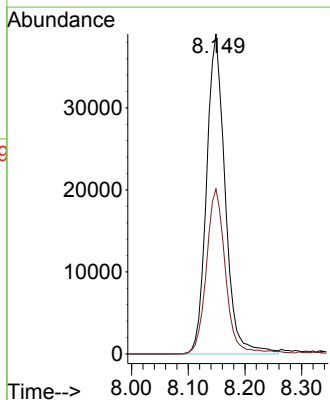
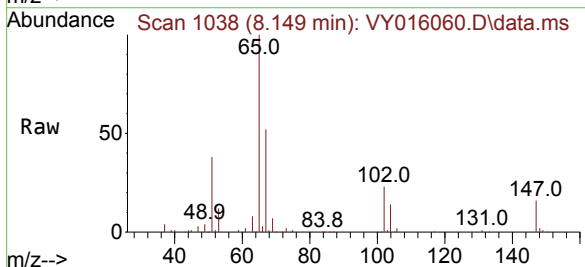


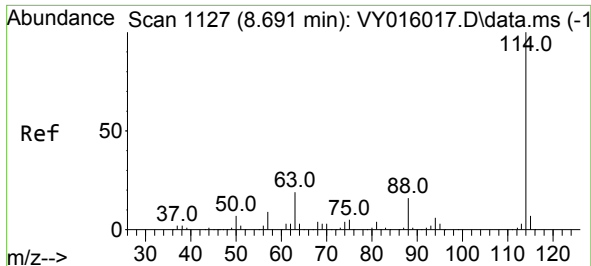
Tgt Ion: 56 Resp: 2712
Ion Ratio Lower Upper
56 100
69 183.5 27.8 41.6#
84 132.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 52.784 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Tgt Ion: 65 Resp: 88757
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8

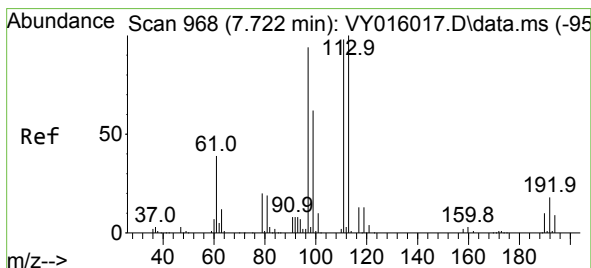
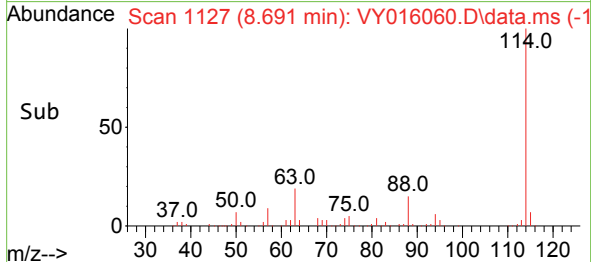
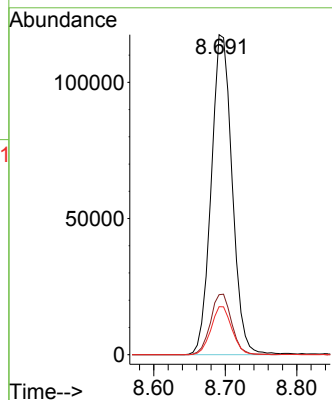
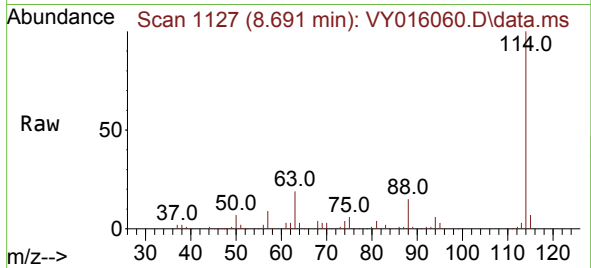




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY016060.D
 Acq: 20 Oct 2023 12:41

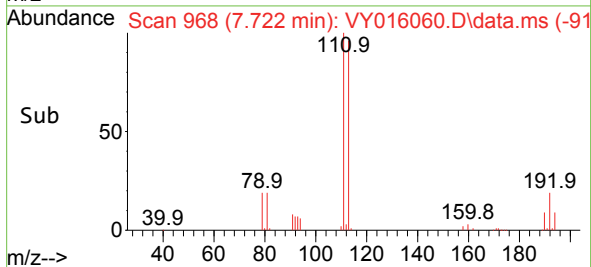
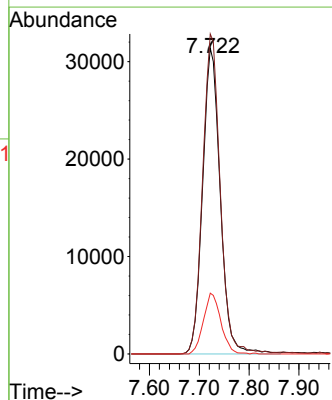
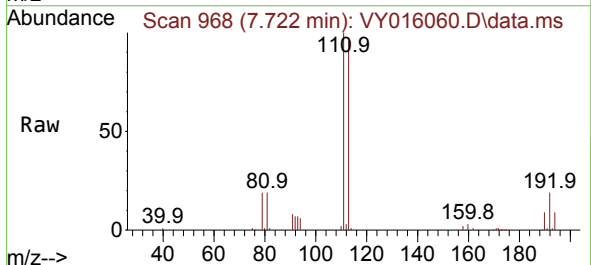
Instrument :
 MSVOA_Y
 ClientSampleId :

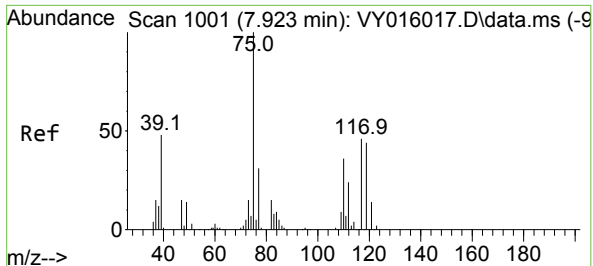
Tgt Ion:114 Resp: 238849
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.4
 88 15.0 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 49.024 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: VY016060.D
 Acq: 20 Oct 2023 12:41

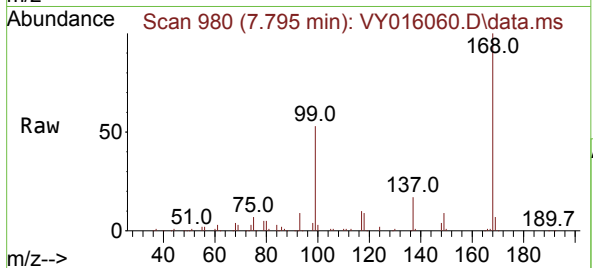
Tgt Ion:113 Resp: 77073
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.3 121.9
 192 19.6 16.9 25.3



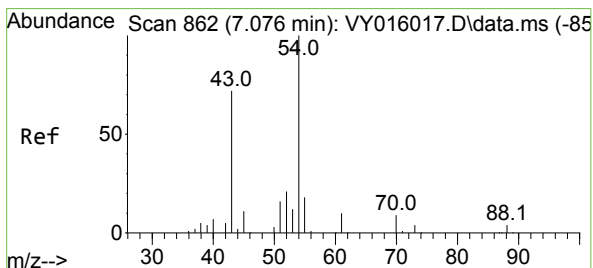
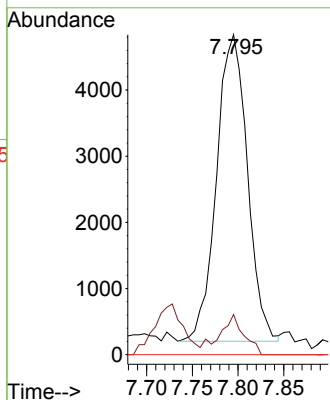
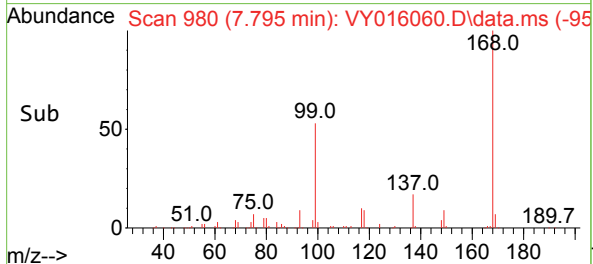


#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Instrument :
MSVOA_Y
ClientSampleId :

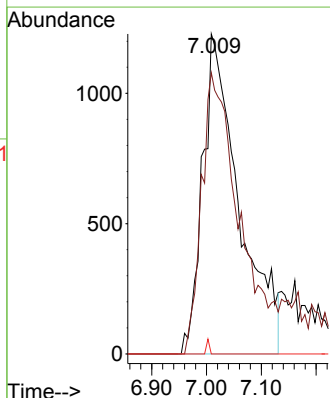
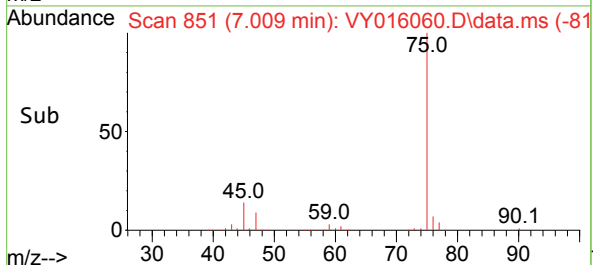
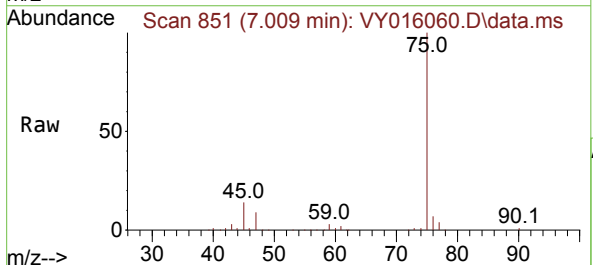


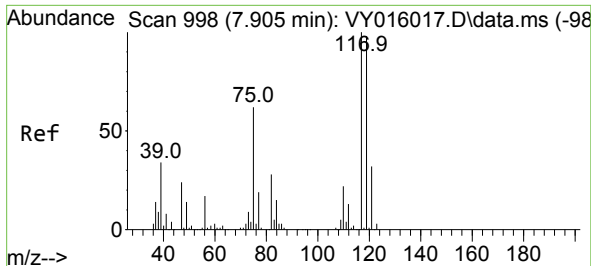
Tgt Ion: 75 Resp: 10886
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.337 ug/l
RT: 7.009 min Scan# 851
Delta R.T. -0.067 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

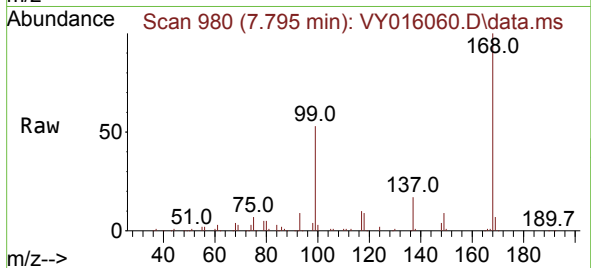
Tgt Ion: 43 Resp: 5690
Ion Ratio Lower Upper
43 100
61 88.3 10.1 15.1#
70 0.4 7.1 10.7#



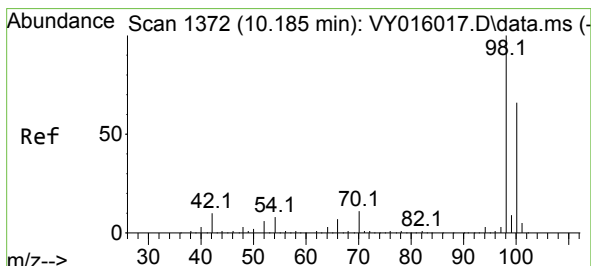
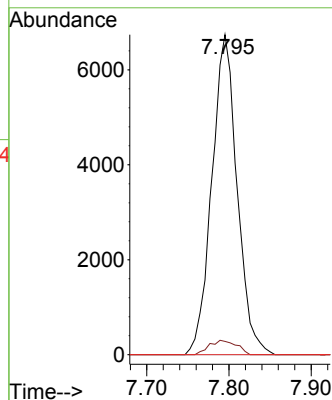
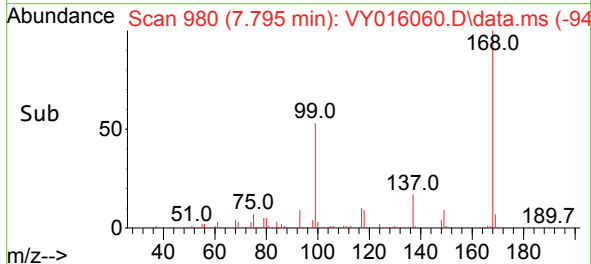


#38
Carbon Tetrachloride
Concen: 5.726 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Instrument :
MSVOA_Y
ClientSampleId :

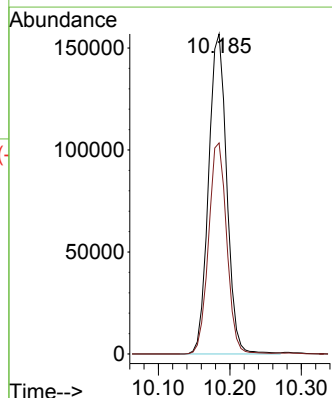
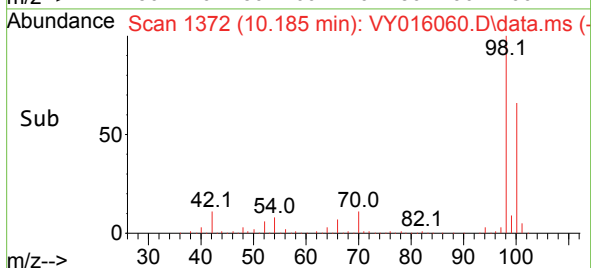
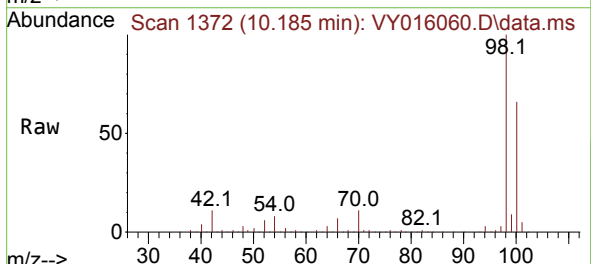


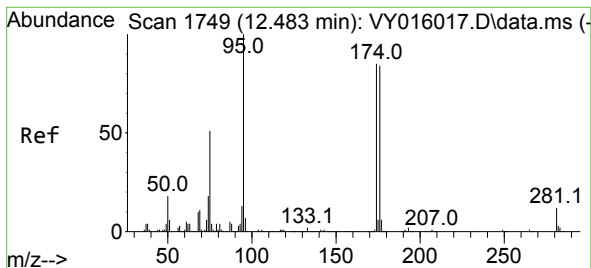
Tgt Ion:117 Resp: 14396
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.469 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Tgt Ion: 98 Resp: 276748
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1

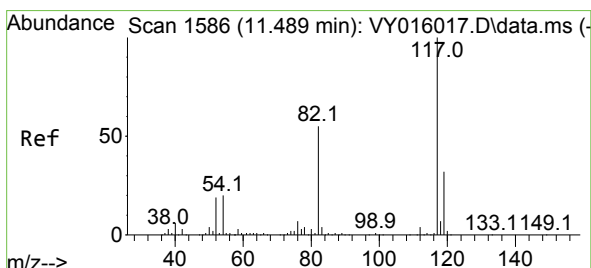
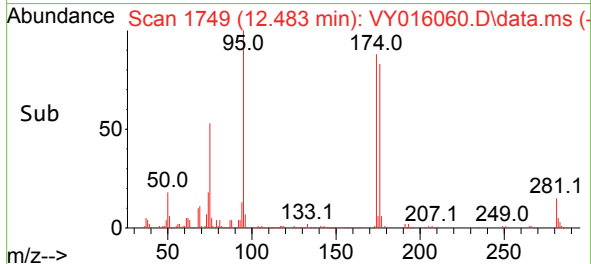
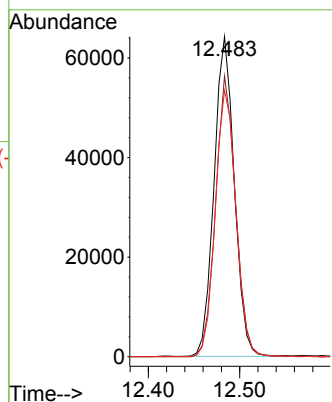
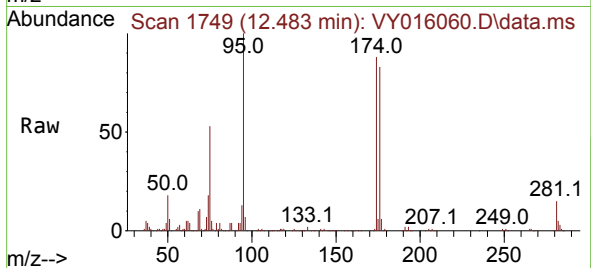




#62
4-Bromofluorobenzene
Concen: 48.506 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

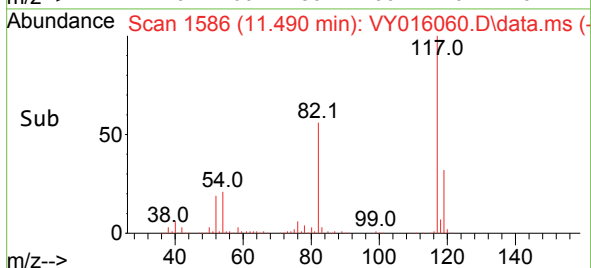
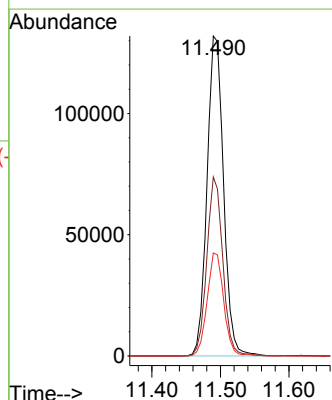
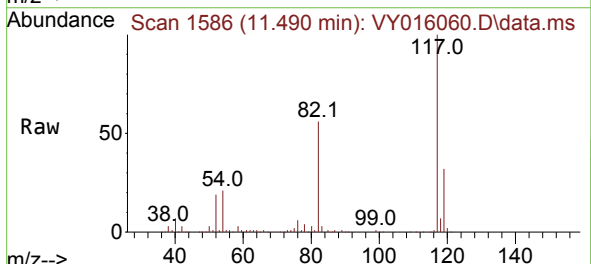
Instrument :
MSVOA_Y
ClientSampleId :

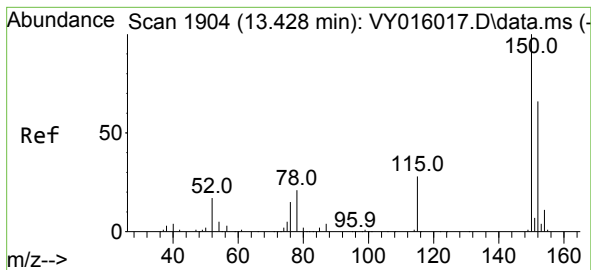
Tgt Ion: 95 Resp: 98823
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.2
176 85.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

Tgt Ion: 117 Resp: 221572
Ion Ratio Lower Upper
117 100
82 56.0 43.4 65.0
119 32.2 26.3 39.5

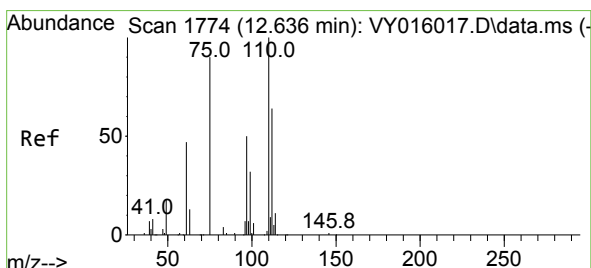
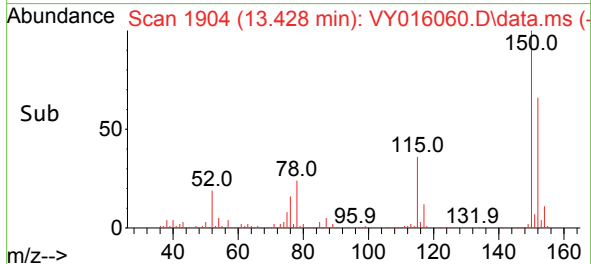
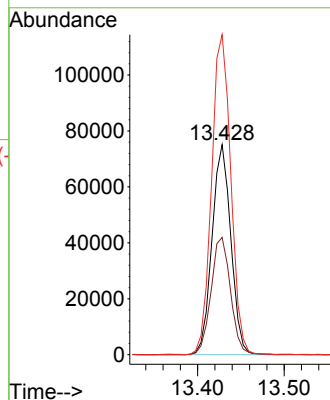
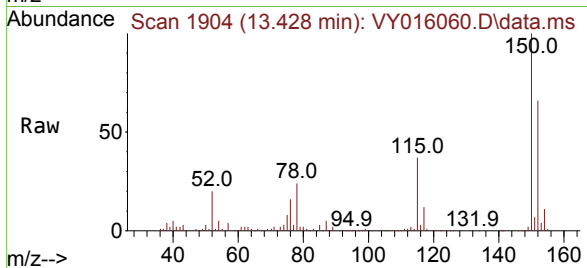




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY016060.D
 Acq: 20 Oct 2023 12:41

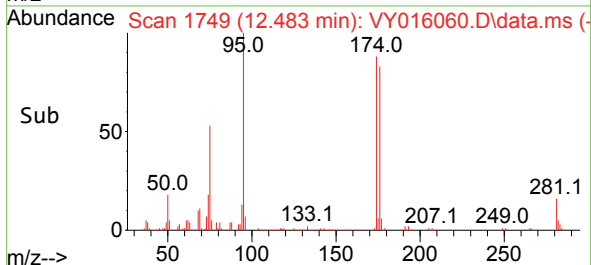
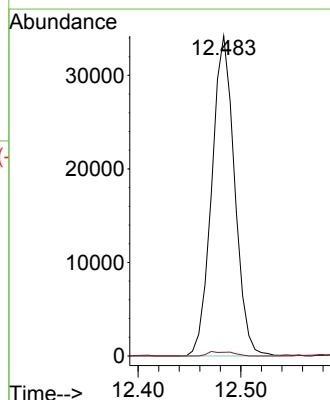
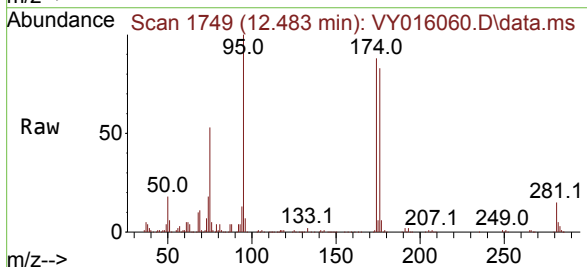
Instrument :
 MSVOA_Y
 ClientSampleId :

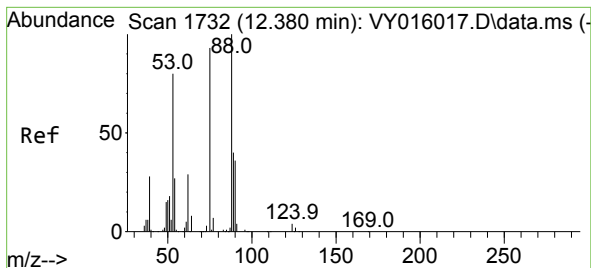
Tgt Ion:152 Resp: 113351
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.8 86.5
 150 156.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 32.886 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY016060.D
 Acq: 20 Oct 2023 12:41

Tgt Ion: 75 Resp: 52780
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

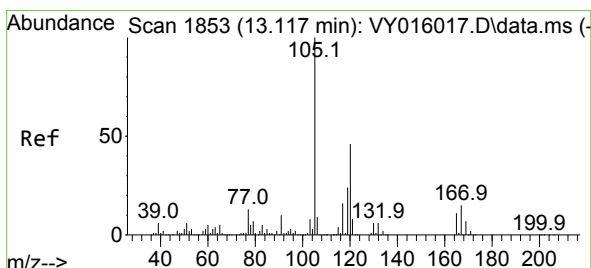
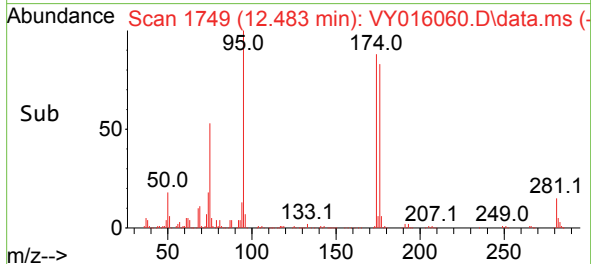
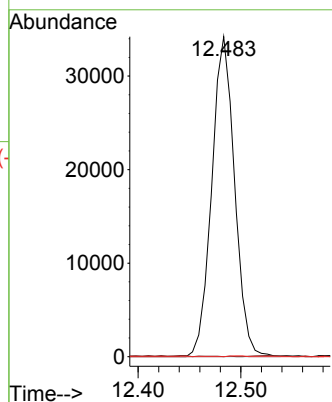
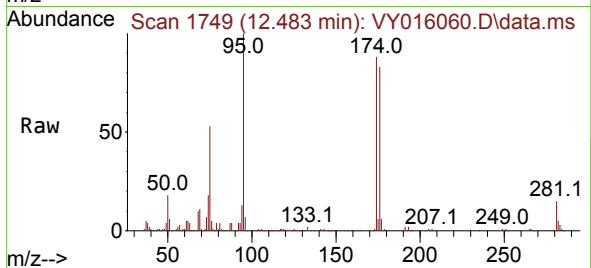




#81
trans-1,4-Dichloro-2-butene
Concen: 71.787 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

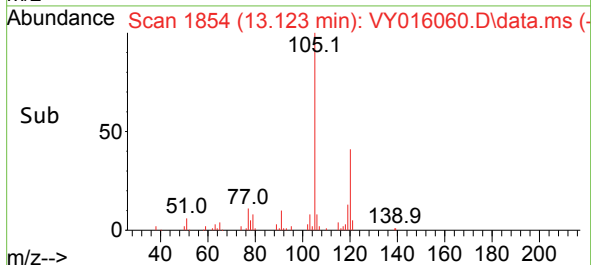
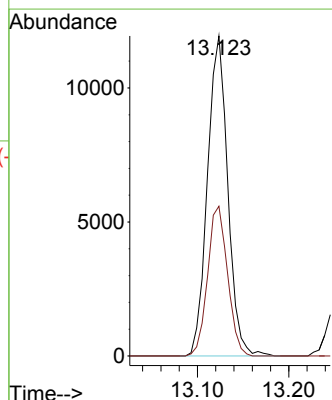
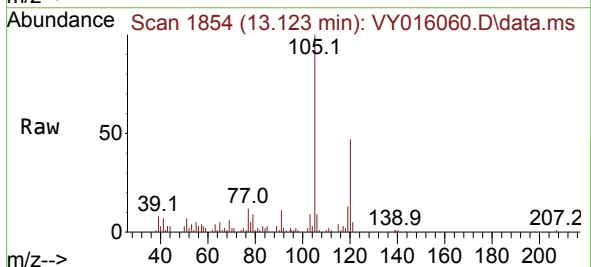
Instrument :
MSVOA_Y
ClientSampleId :

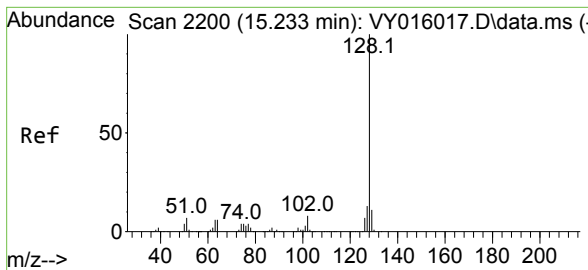
Tgt Ion: 75 Resp: 52780
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.639 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY016060.D
Acq: 20 Oct 2023 12:41

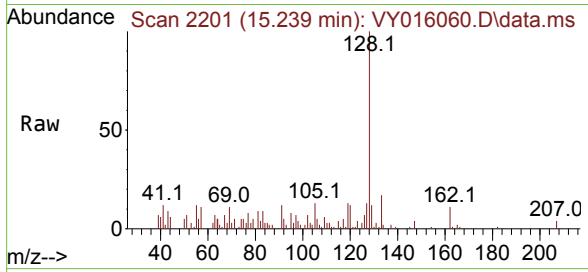
Tgt Ion: 105 Resp: 18403
Ion Ratio Lower Upper
105 100
120 45.9 22.2 66.6





#95
 Naphthalene
 Concen: 1.859 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY016060.D
 Acq: 20 Oct 2023 12:41

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	10685
Ion Ratio	Lower	Upper	
128	100		
127	16.1	10.8	16.2
129	15.8	8.6	13.0

