

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101923\
 Data File : VY016043.D
 Acq On : 19 Oct 2023 17:33
 Operator : SY/MD
 Sample : 04938-14
 Misc : 4.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 20 05:39:11 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)

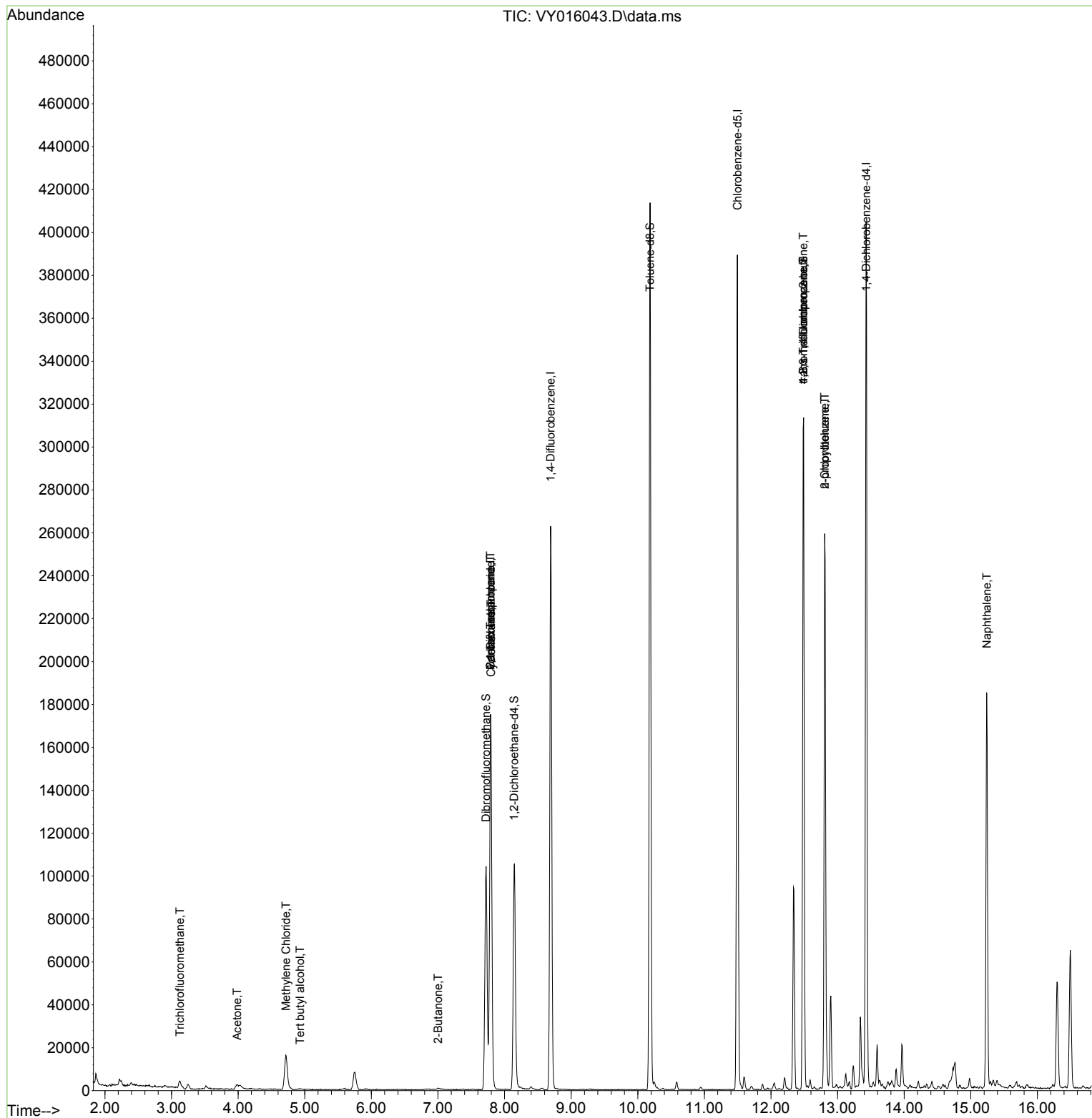
Internal Standards						
1) Pentafluorobenzene	7.789	168	138835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	234294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	213378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	86465	54.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.600%	
35) Dibromofluoromethane	7.722	113	76386	49.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.060%	
50) Toluene-d8	10.185	98	273777	48.881	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.760%	
62) 4-Bromofluorobenzene	12.483	95	96477	48.276	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.560%	
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.125	101	4064	1.642	ug/l	97
11) Tert butyl alcohol	4.930	59	458	1.880	ug/l #	89
13) Acrolein	3.735	56	97	Below Cal	#	59
16) Acetone	3.985	43	6074	10.384	ug/l #	89
20) Methylene Chloride	4.716	84	12043	6.931	ug/l	90
25) 2-Butanone	7.003	43	866	1.081	ug/l #	49
31) Cyclohexane	7.795	56	2894	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10253	4.419	ug/l #	51
38) Carbon Tetrachloride	7.789	117	13786	5.590	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	50477	34.589	ug/l #	100
78) n-propylbenzene	12.806	91	47943	5.163	ug/l #	58
79) 2-Chlorotoluene	12.806	91	47943	9.198	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	50477	75.504	ug/l #	11
95) Naphthalene	15.239	128	150410	28.775	ug/l	99

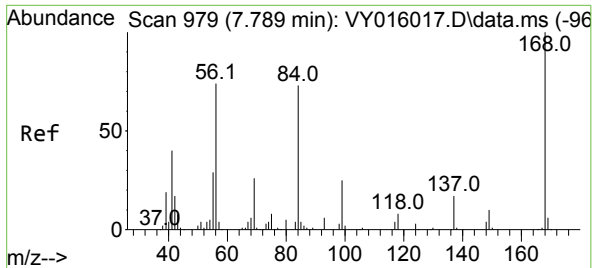
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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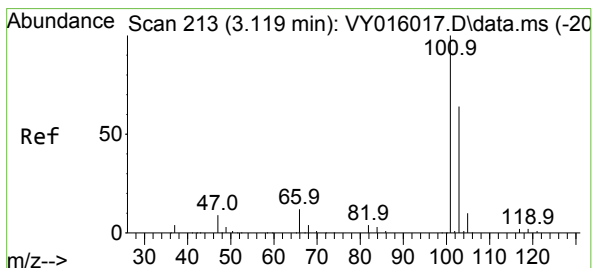
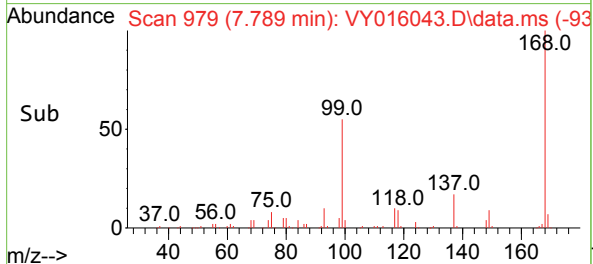
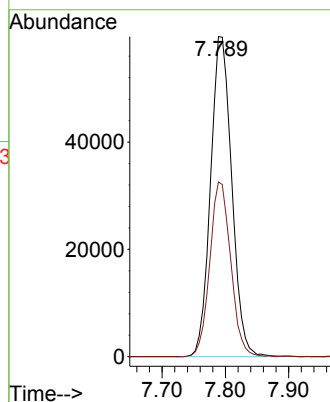
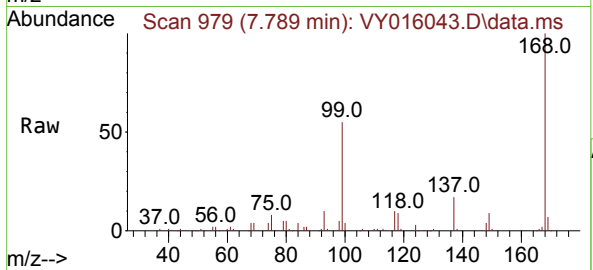




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

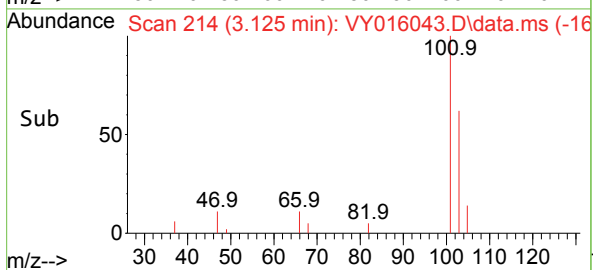
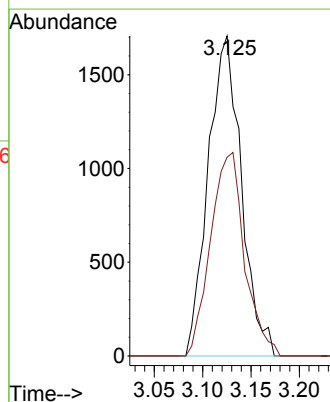
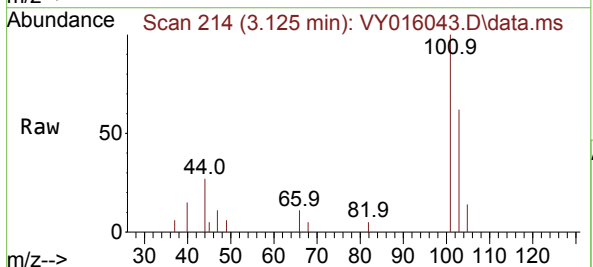
Instrument :
MSVOA_Y
ClientSampleId :

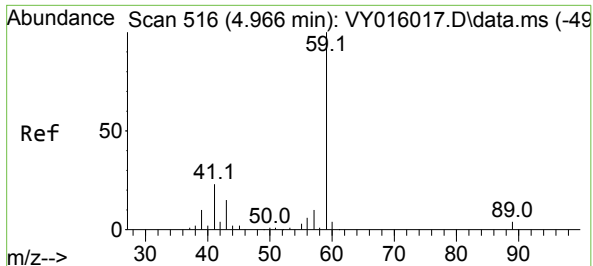
Tgt Ion:168 Resp: 138835
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#7
Trichlorofluoromethane
Concen: 1.642 ug/l
RT: 3.125 min Scan# 214
Delta R.T. 0.006 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

Tgt Ion:101 Resp: 4064
Ion Ratio Lower Upper
101 100
103 62.1 51.4 77.0

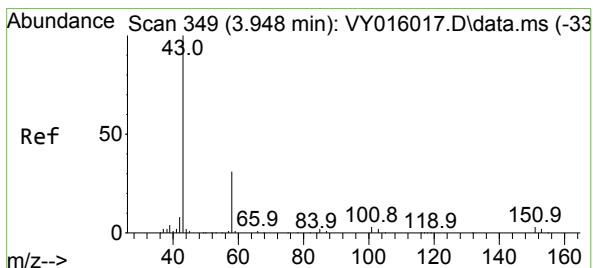
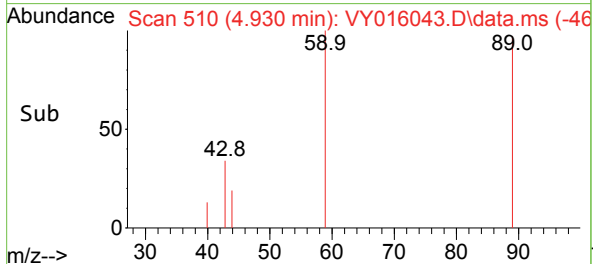
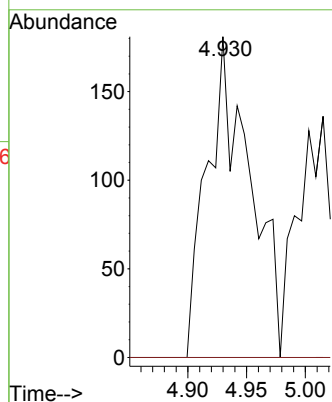
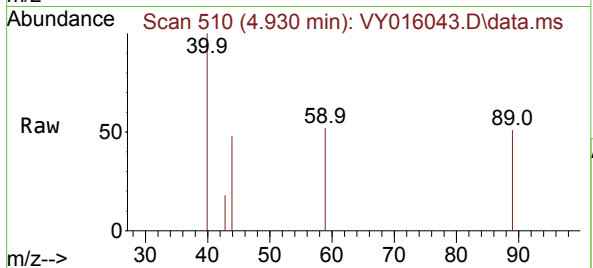




#11
Tert butyl alcohol
Concen: 1.880 ug/l
RT: 4.930 min Scan# 516
Delta R.T. -0.036 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

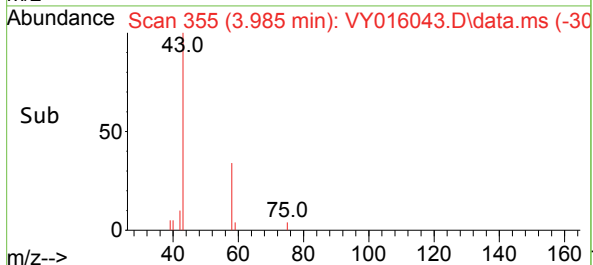
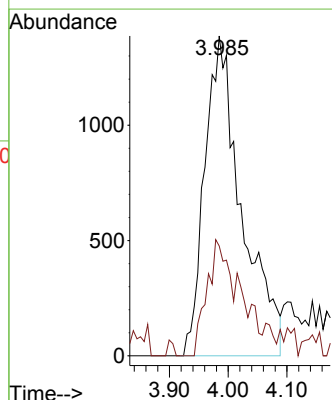
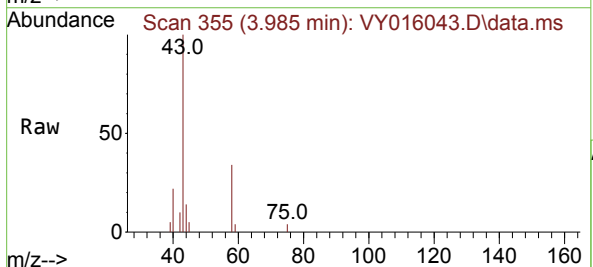
Instrument :
MSVOA_Y
ClientSampleId :

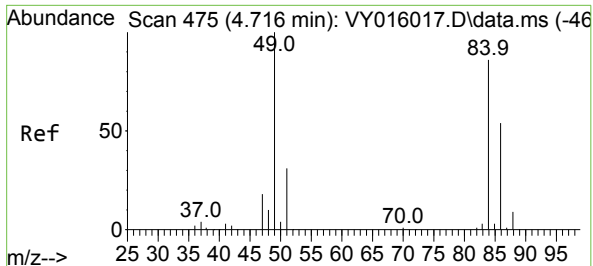
Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 10.384 ug/l
RT: 3.985 min Scan# 355
Delta R.T. 0.037 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

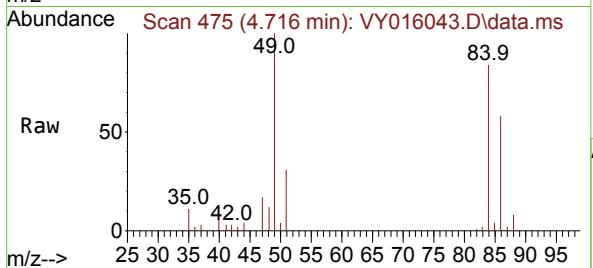
Tgt Ion: 43 Resp: 6074
Ion Ratio Lower Upper
43 100
58 34.3 22.7 34.1#



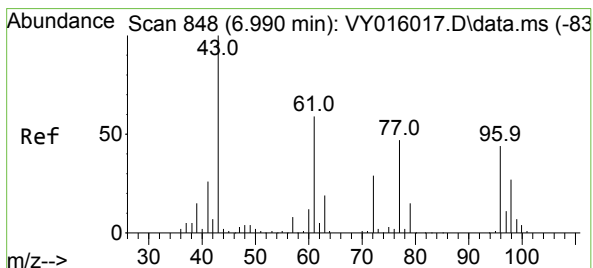
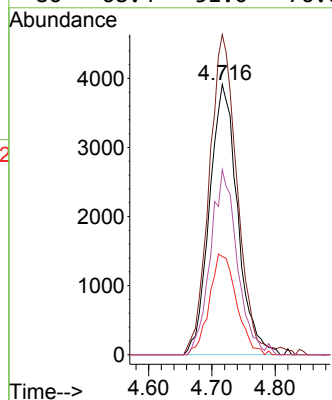


#20
Methylene Chloride
Concen: 6.931 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

Instrument :
MSVOA_Y
ClientSampleId :

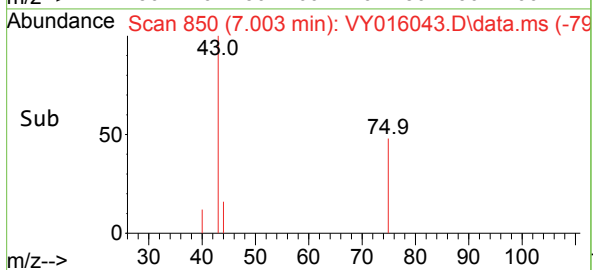
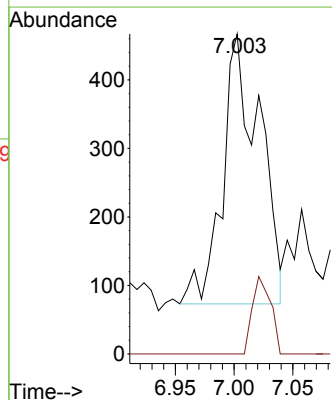
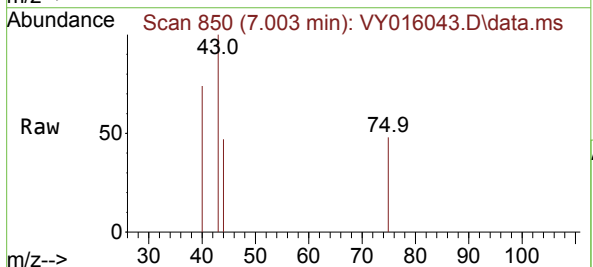


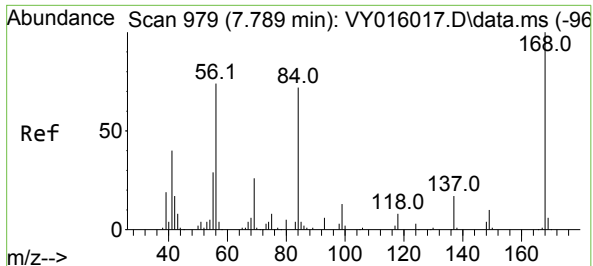
Tgt Ion:	84	Resp:	12043
Ion	Ratio	Lower	Upper
84	100		
49	118.5	106.9	160.3
51	36.4	33.2	49.8
86	68.4	51.0	76.6



#25
2-Butanone
Concen: 1.081 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

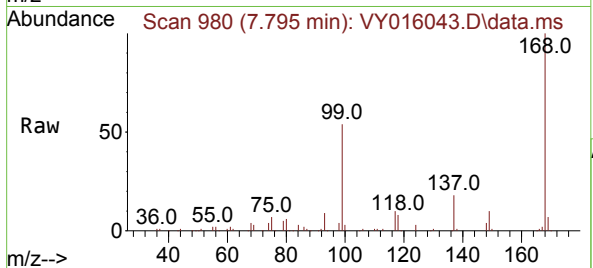
Tgt Ion:	43	Resp:	866
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#



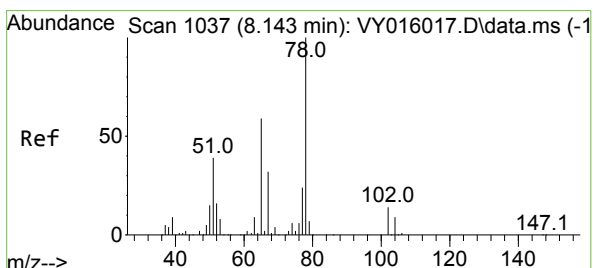
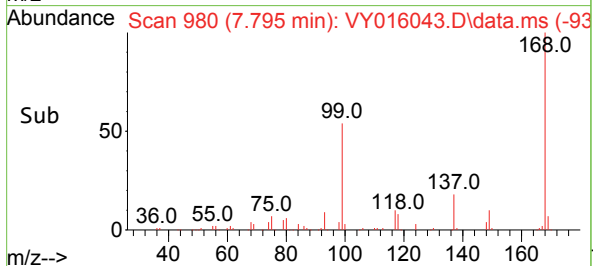
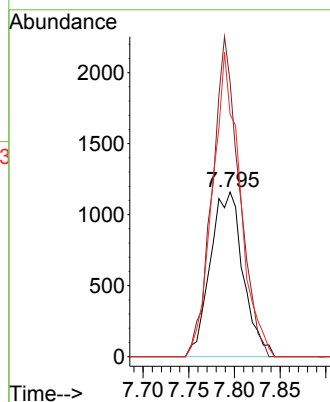


#31
Cyclohexane
Concen: 1.172 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

Instrument :
MSVOA_Y
ClientSampleId :

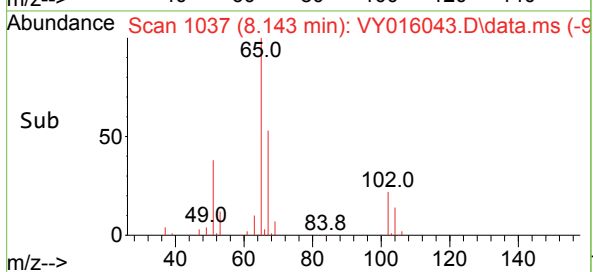
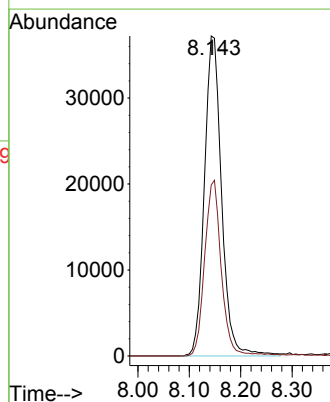
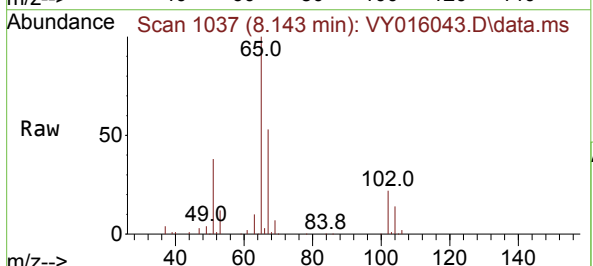


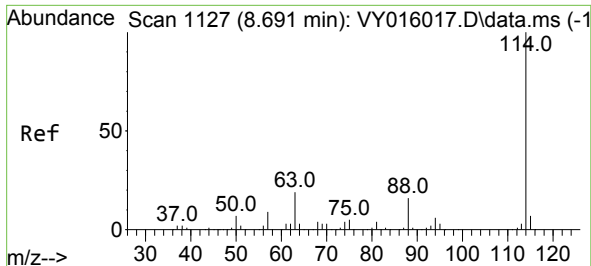
Tgt Ion: 56 Resp: 2894
Ion Ratio Lower Upper
56 100
69 166.8 27.8 41.6#
84 147.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.796 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

Tgt Ion: 65 Resp: 86465
Ion Ratio Lower Upper
65 100
67 53.1 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: VY016043.D

Acq: 19 Oct 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

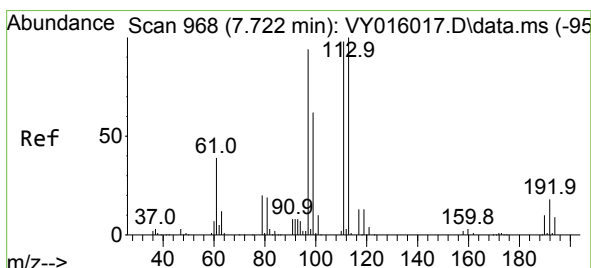
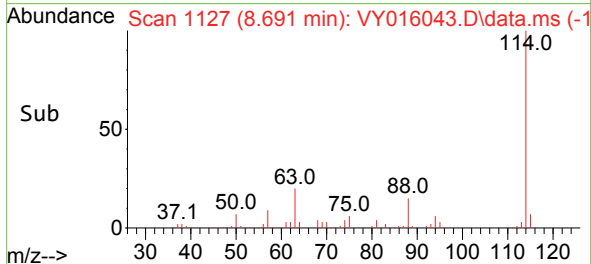
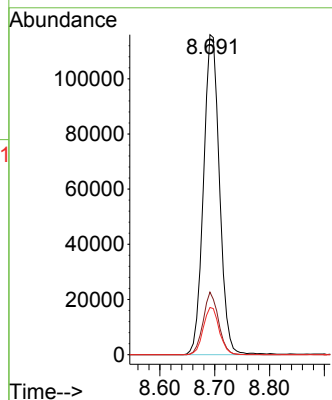
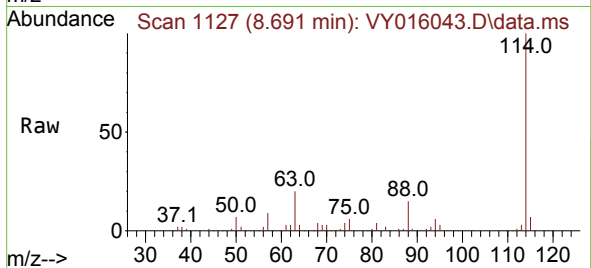
Tgt Ion:114 Resp: 234294

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.532 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY016043.D

Acq: 19 Oct 2023 17:33

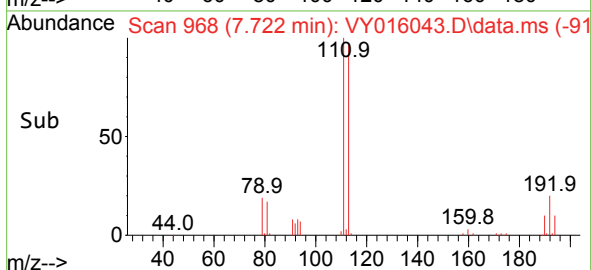
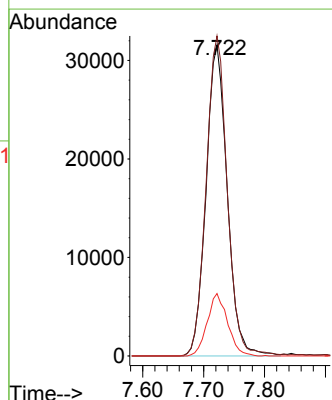
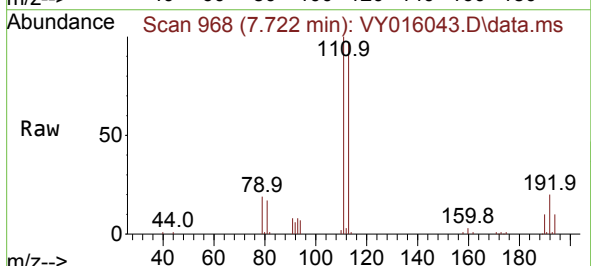
Tgt Ion:113 Resp: 76386

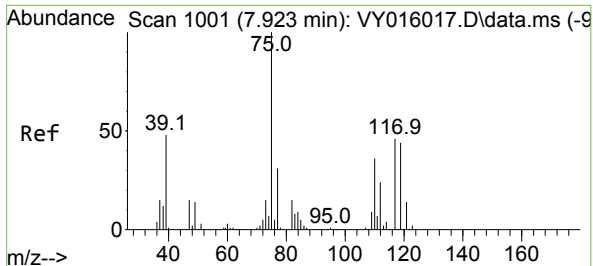
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 19.3 16.9 25.3

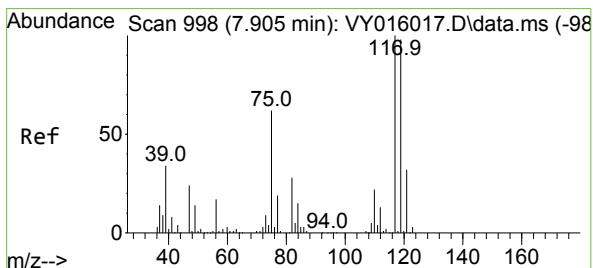
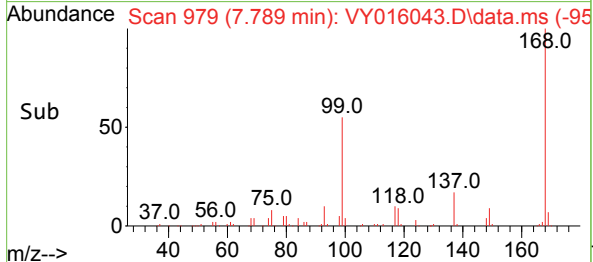
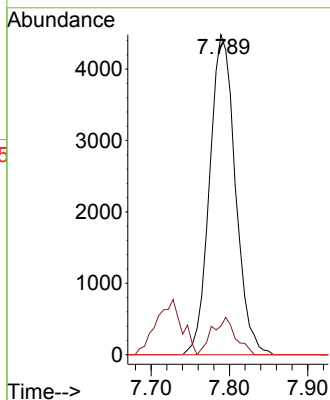
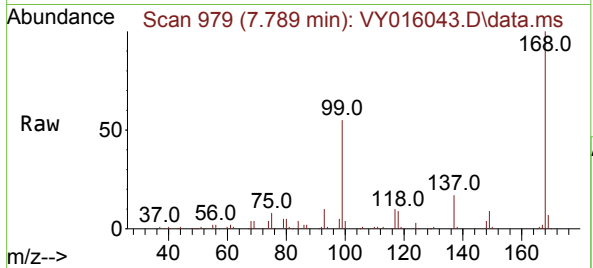




#36
1,1-Dichloropropene
Concen: 4.419 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

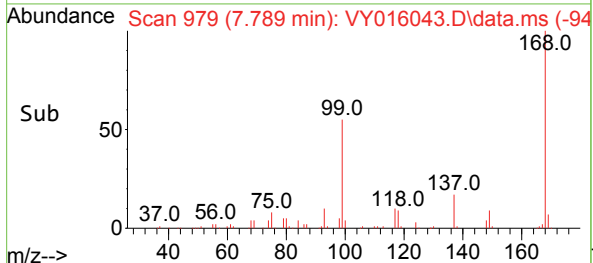
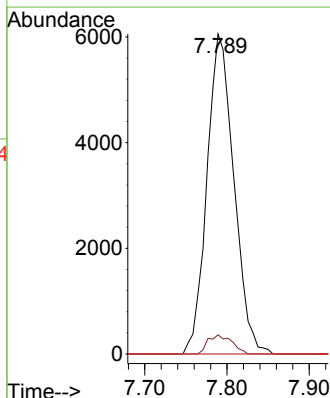
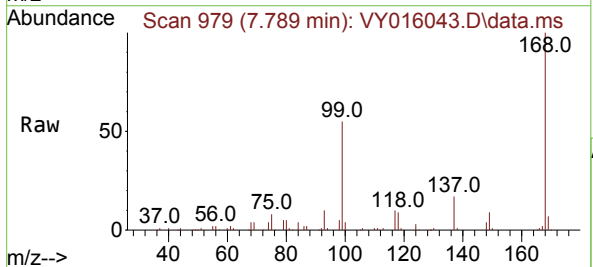
Instrument :
MSVOA_Y
ClientSampleId :

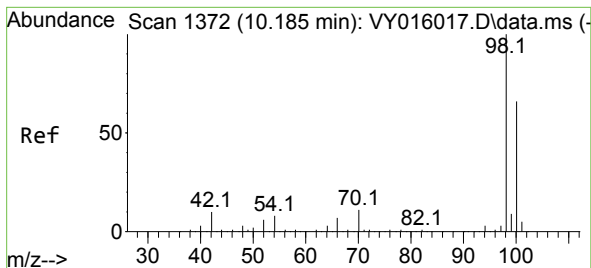
Tgt Ion: 75 Resp: 10253
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.590 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

Tgt Ion: 117 Resp: 13786
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#

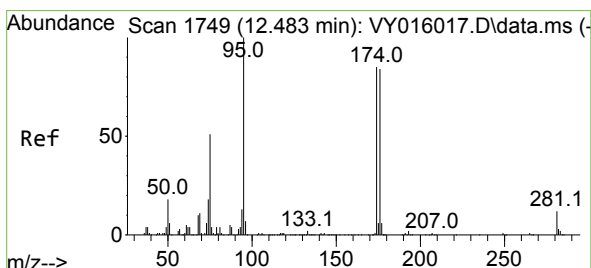
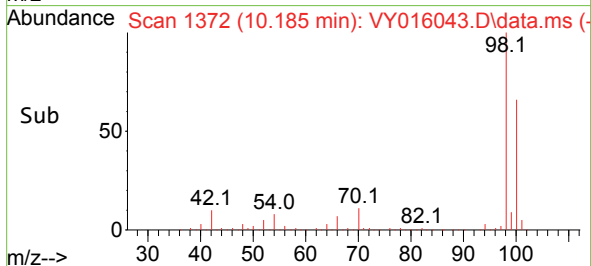
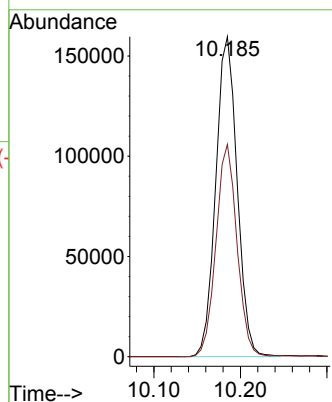
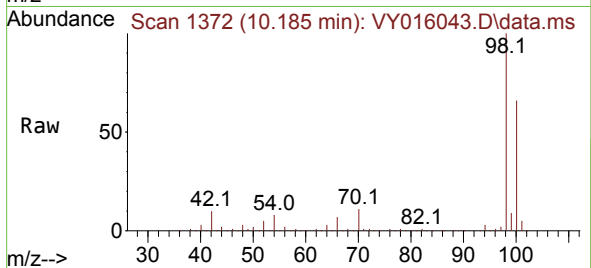




#50
Toluene-d8
Concen: 48.881 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

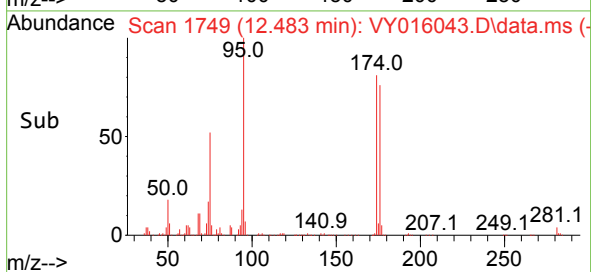
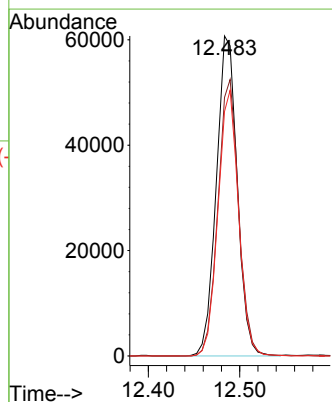
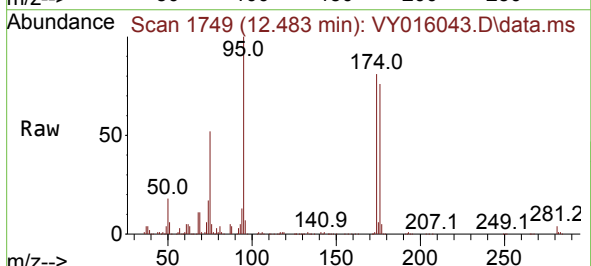
Instrument :
MSVOA_Y
ClientSampleId :

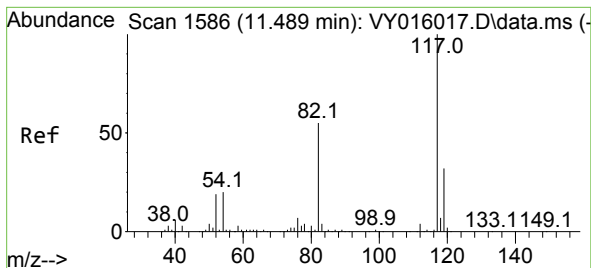
Tgt Ion: 98 Resp: 273777
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.276 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

Tgt Ion: 95 Resp: 96477
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 81.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016043.D

Acq: 19 Oct 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

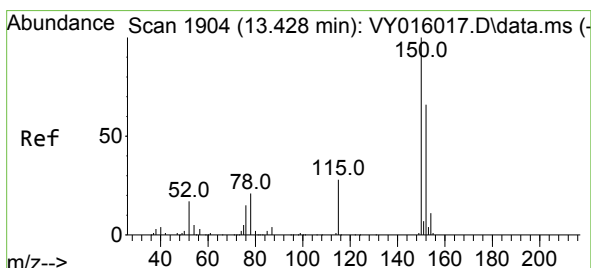
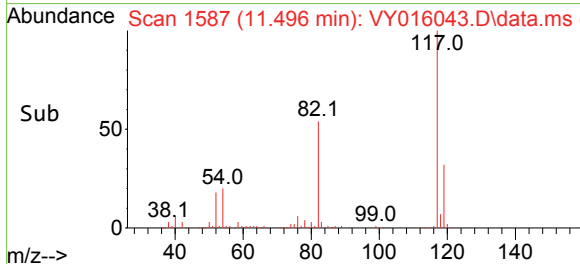
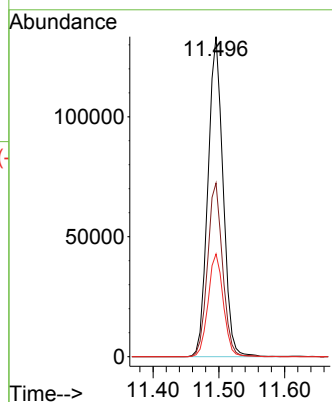
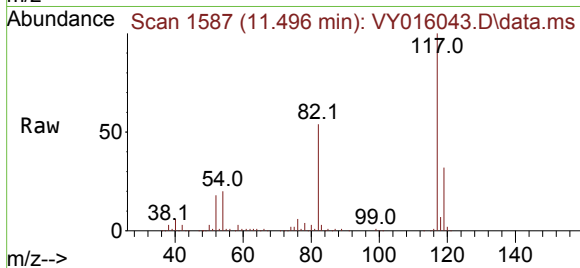
Tgt Ion:117 Resp: 213378

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.1 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: VY016043.D

Acq: 19 Oct 2023 17:33

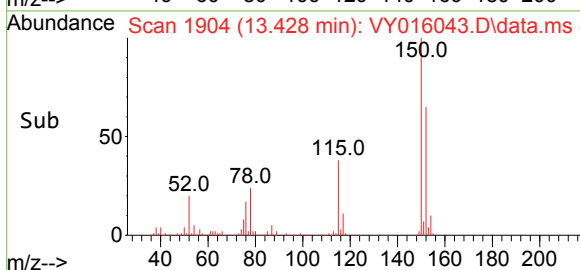
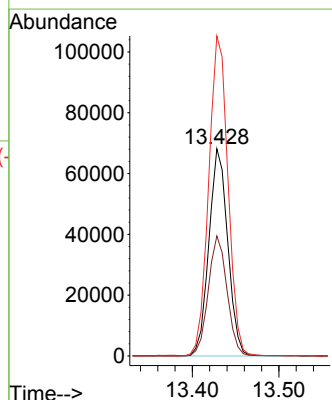
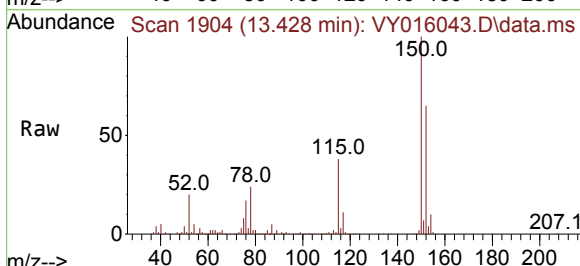
Tgt Ion:152 Resp: 103069

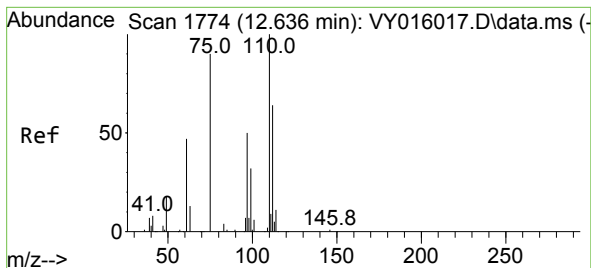
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 157.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 34.589 ug/l

RT: 12.483 min Scan# 11

Delta R.T. -0.152 min

Lab File: VY016043.D

Acq: 19 Oct 2023 17:33

Instrument :

MSVOA_Y

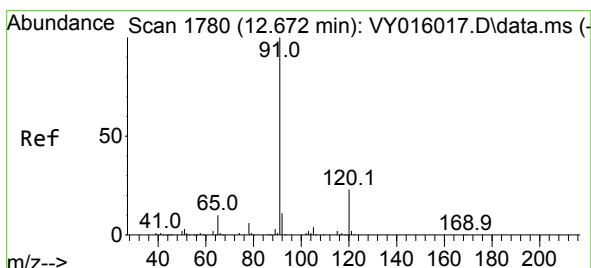
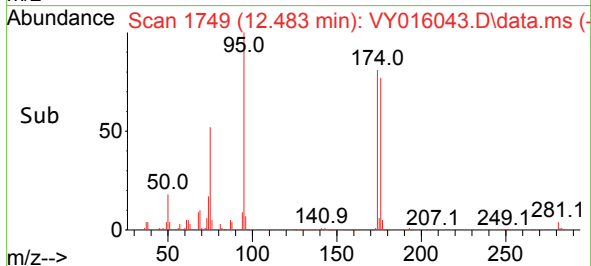
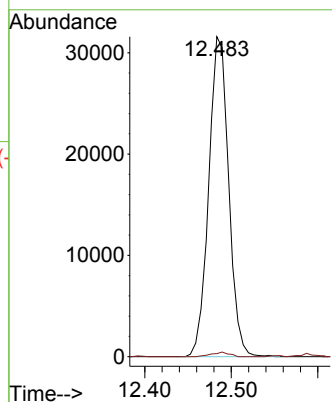
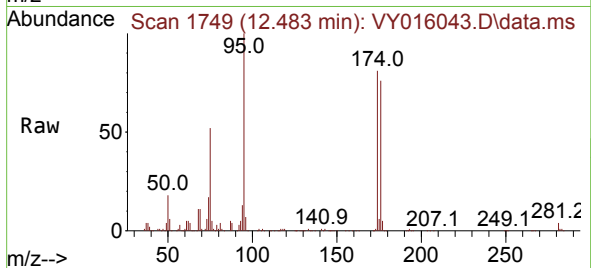
ClientSampleId :

Tgt Ion: 75 Resp: 50477

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#78

n-propylbenzene

Concen: 5.163 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. 0.134 min

Lab File: VY016043.D

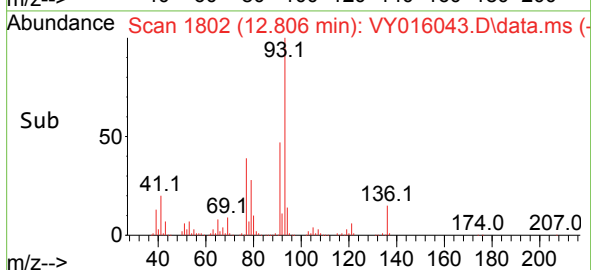
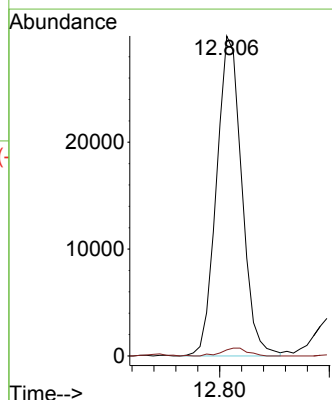
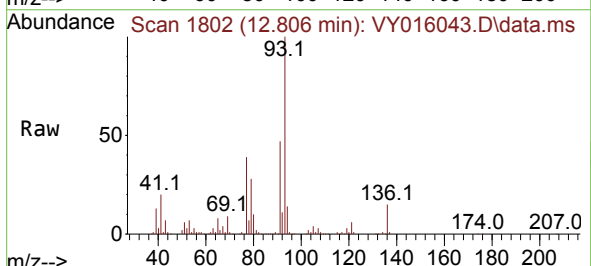
Acq: 19 Oct 2023 17:33

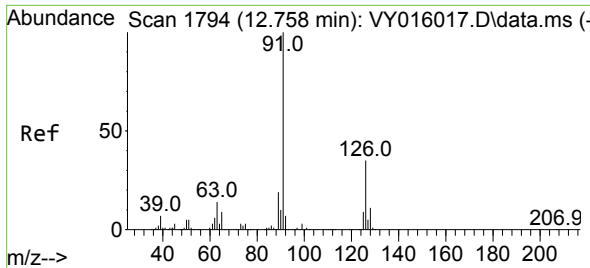
Tgt Ion: 91 Resp: 47943

Ion Ratio Lower Upper

91 100

120 2.5 11.5 34.4#

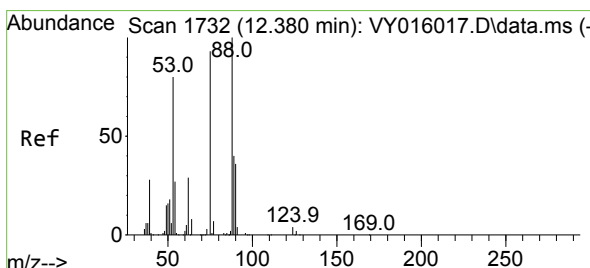
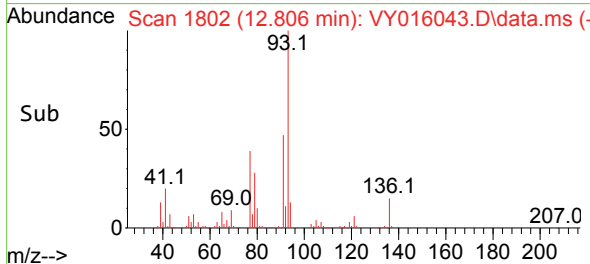
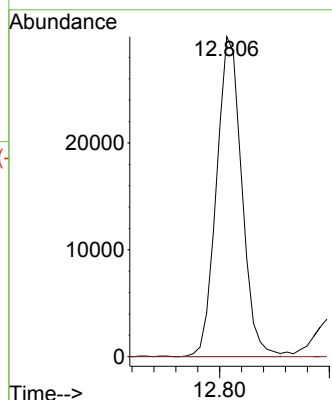
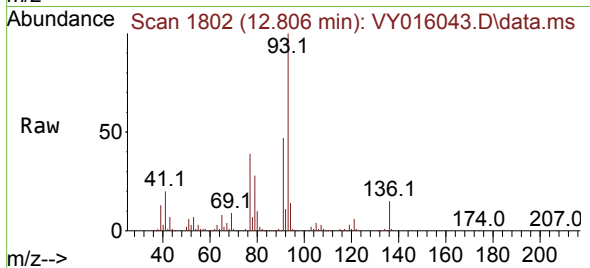




#79
2-Chlorotoluene
Concen: 9.198 ug/l
RT: 12.806 min Scan# 1794
Delta R.T. 0.049 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

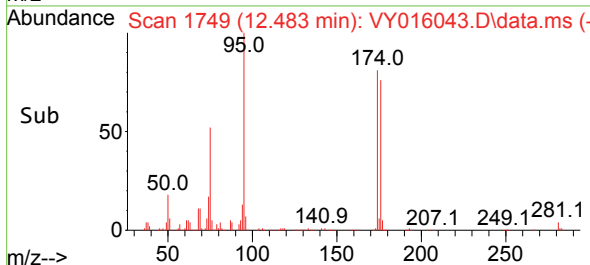
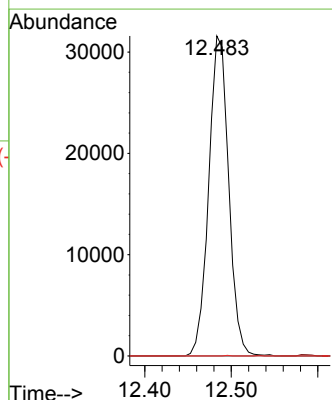
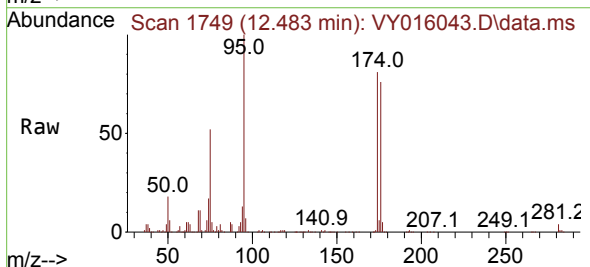
Instrument :
MSVOA_Y
ClientSampleId :

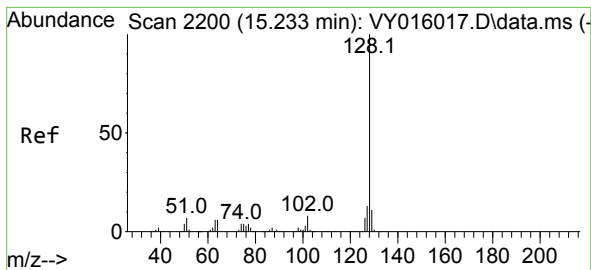
Tgt Ion: 91 Resp: 47943
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.504 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY016043.D
Acq: 19 Oct 2023 17:33

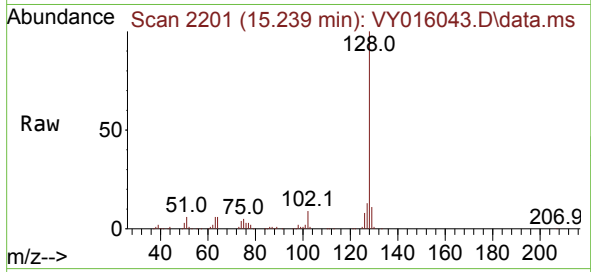
Tgt Ion: 75 Resp: 50477
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95
 Naphthalene
 Concen: 28.775 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY016043.D
 Acq: 19 Oct 2023 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	150410
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	11.1	8.6	13.0

