

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103023\
 Data File : VY016136.D
 Acq On : 30 Oct 2023 17:25
 Operator : SY/MD
 Sample : BLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 01:32:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

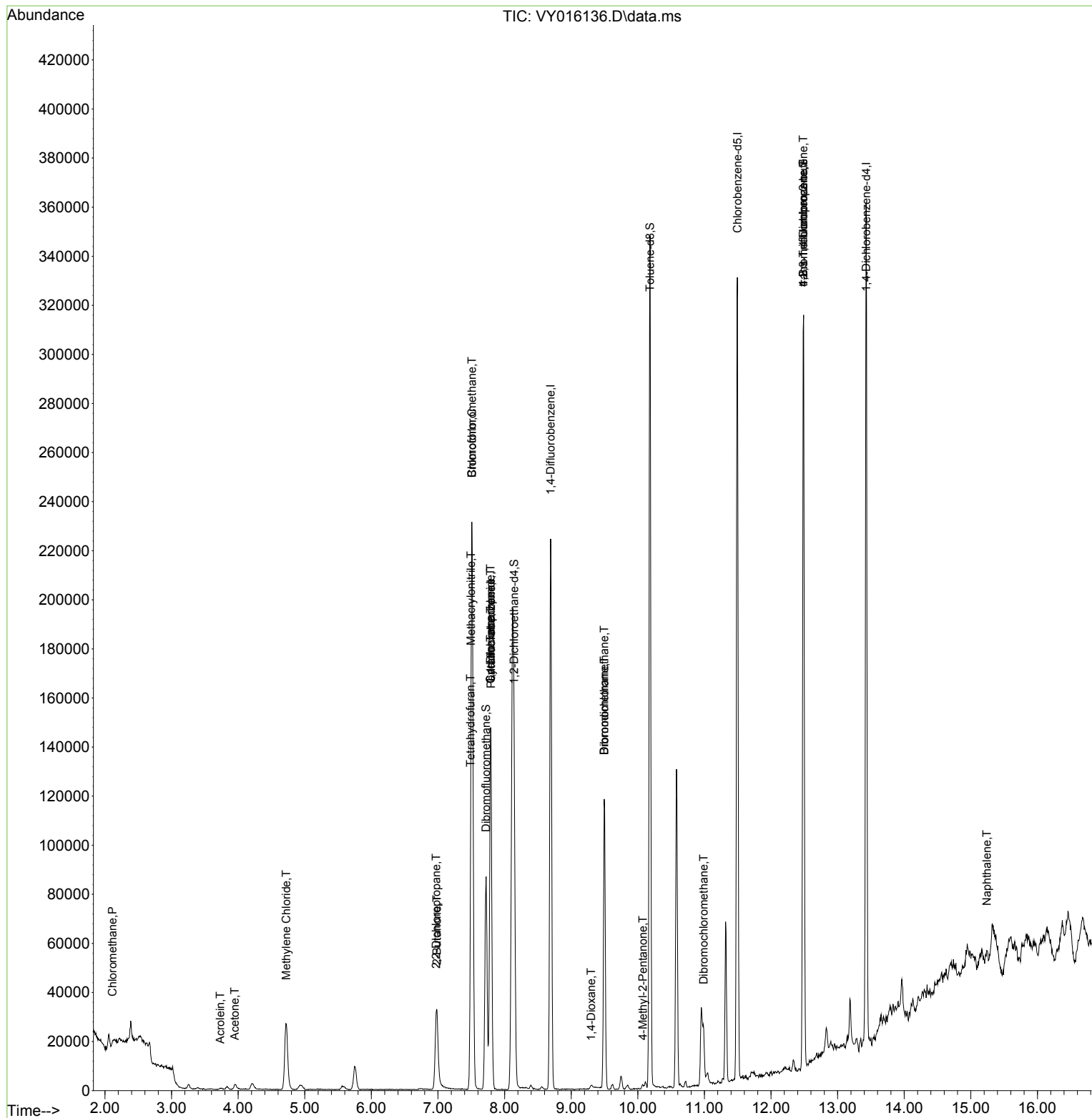
Internal Standards						
1) Pentafluorobenzene	7.795	168	115546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	195581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	184454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	65433	56.950	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.900%	
35) Dibromofluoromethane	7.722	113	61417	49.743	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.480%	
50) Toluene-d8	10.185	98	230088	50.309	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.620%	
62) 4-Bromofluorobenzene	12.483	95	81920	52.217	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	1297	1.327	ug/l #	86
11) Tert butyl alcohol	4.930	59	1130	Below Cal	#	89
13) Acrolein	3.729	56	282	1.971	ug/l #	43
16) Acetone	3.948	43	4049	13.002	ug/l	94
20) Methylene Chloride	4.722	84	21613	13.576	ug/l	85
25) 2-Butanone	6.984	43	2760	6.567	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	2571	1.360	ug/l #	54
28) Bromochloromethane	7.508	49	17242	20.728	ug/l #	14
29) Tetrahydrofuran	7.490	42	283	1.174	ug/l #	35
30) Chloroform	7.508	83	229036	106.632	ug/l	98
31) Cyclohexane	7.789	56	2279	1.261	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8878	5.158	ug/l #	49
38) Carbon Tetrachloride	7.789	117	11032	6.061	ug/l #	16
41) Methacrylonitrile	7.496	41	856	1.854	ug/l #	17
46) Dibromomethane	9.496	93	2556	3.535	ug/l #	2
47) Bromodichloromethane	9.496	83	77327	44.216	ug/l	100
49) 1,4-Dioxane	9.301	88	1696	187.462	ug/l #	54
51) 4-Methyl-2-Pentanone	10.075	43	1290	1.482	ug/l	97
60) Dibromochloromethane	10.989	129	7788	6.190	ug/l	100
76) 1,2,3-Trichloropropane	12.483	75	43207	48.070	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43207	104.461	ug/l #	11
95) Naphthalene	15.239	128	3975	1.274	ug/l #	83

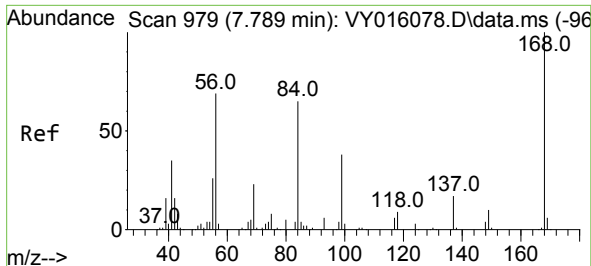
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 31 01:32:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
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QLast Update : Fri Oct 27 04:12:29 2023
Response via : Initial Calibration

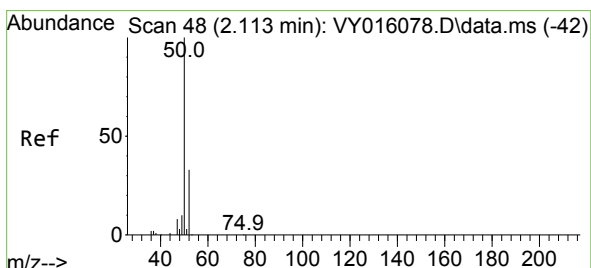
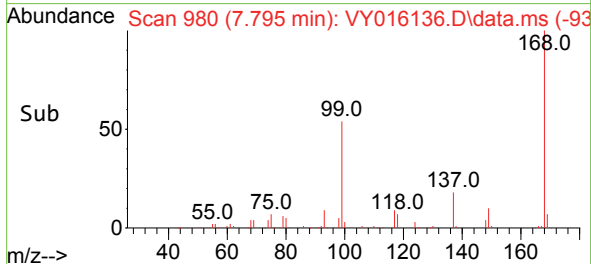
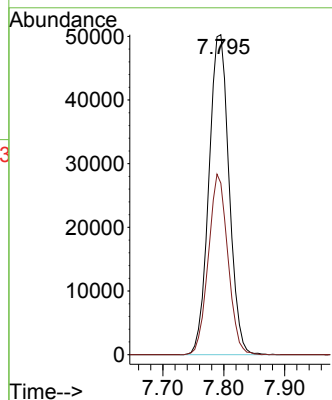
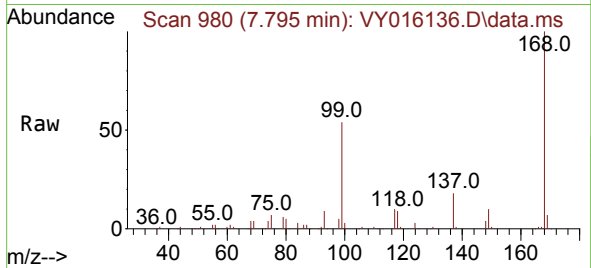




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

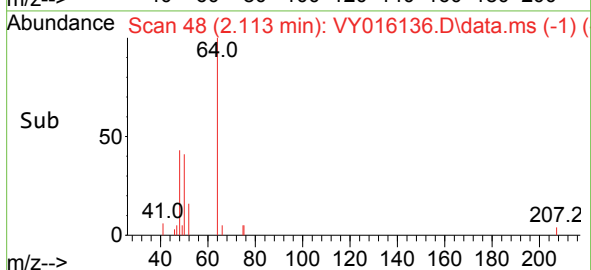
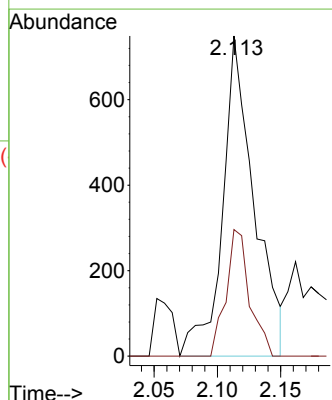
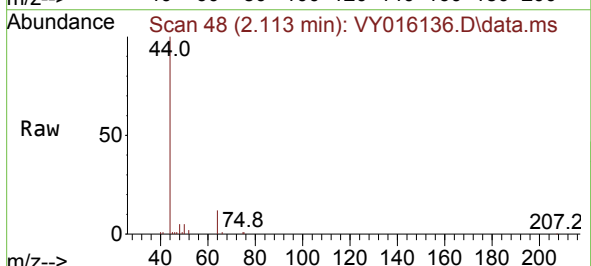
Instrument :
MSVOA_Y
ClientSampleId :

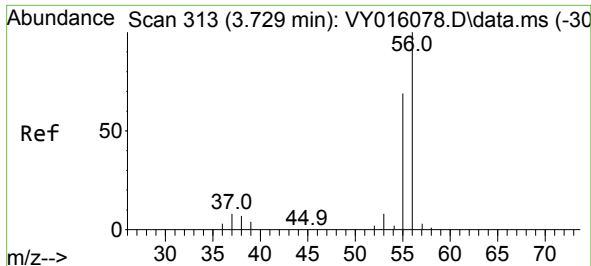
Tgt Ion:168 Resp: 115546
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#3
Chloromethane
Concen: 1.327 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Tgt Ion: 50 Resp: 1297
Ion Ratio Lower Upper
50 100
52 39.5 25.4 38.2#





#13

Acrolein

Concen: 1.971 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY016136.D

Acq: 30 Oct 2023 17:25

Instrument :

MSVOA_Y

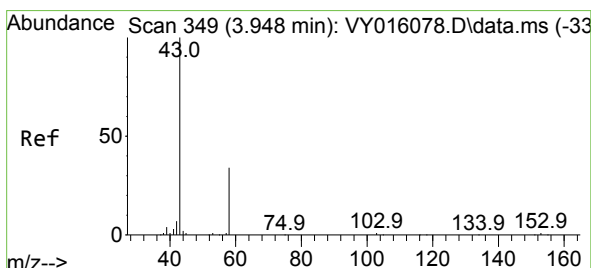
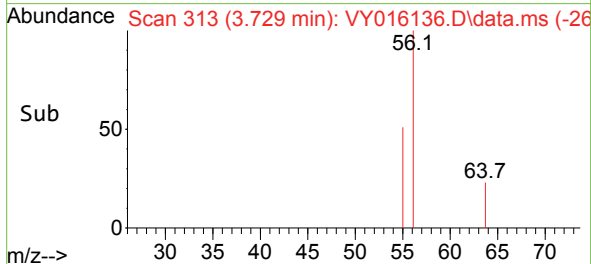
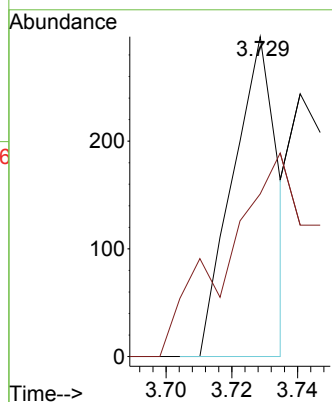
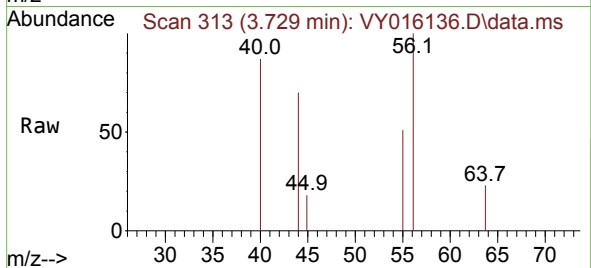
ClientSampleId :

Tgt Ion: 56 Resp: 282

Ion Ratio Lower Upper

56 100

55 118.1 57.0 85.4#



#16

Acetone

Concen: 13.002 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY016136.D

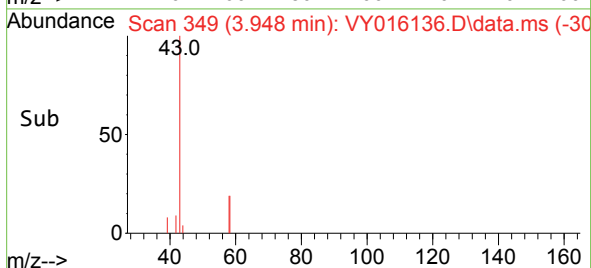
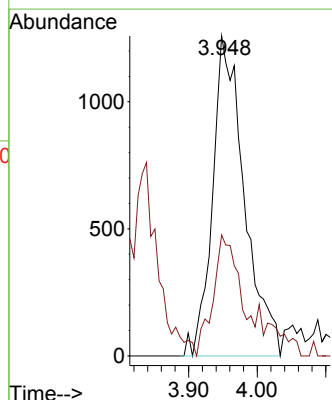
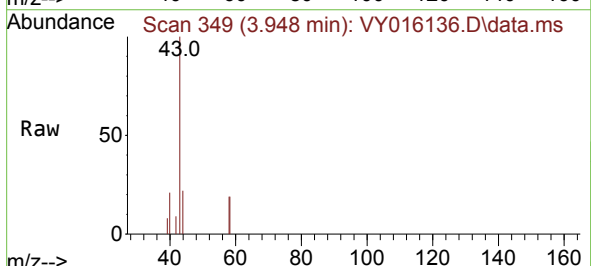
Acq: 30 Oct 2023 17:25

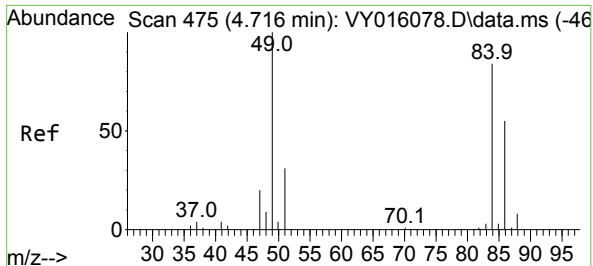
Tgt Ion: 43 Resp: 4049

Ion Ratio Lower Upper

43 100

58 31.8 22.7 34.1

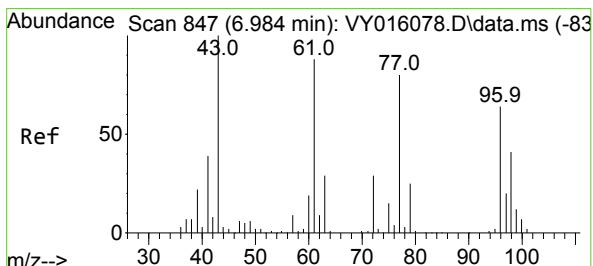
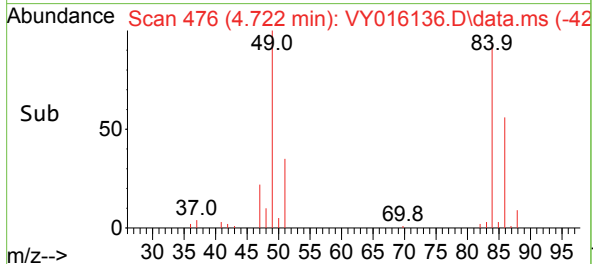
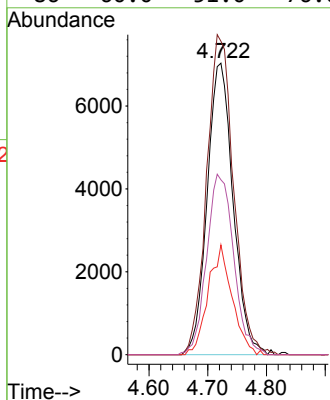
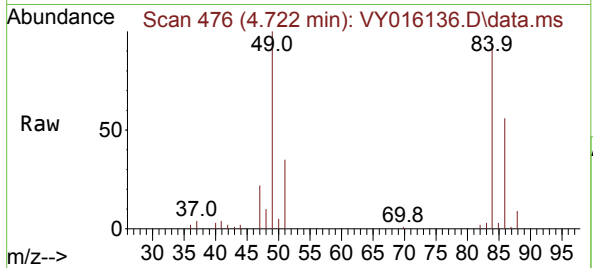




#20
Methylene Chloride
Concen: 13.576 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

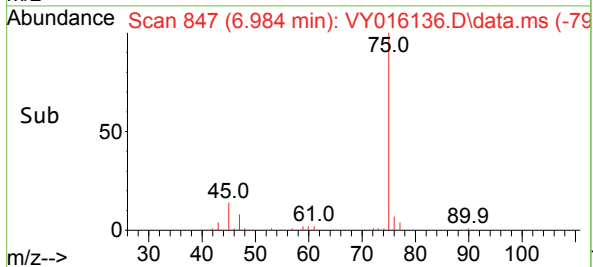
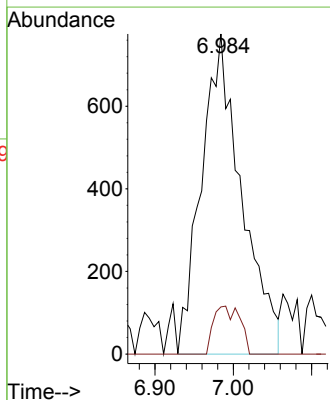
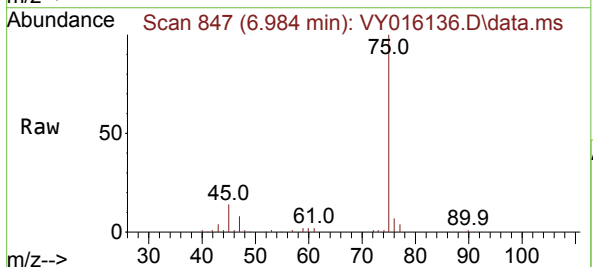
Instrument :
MSVOA_Y
ClientSampleId :

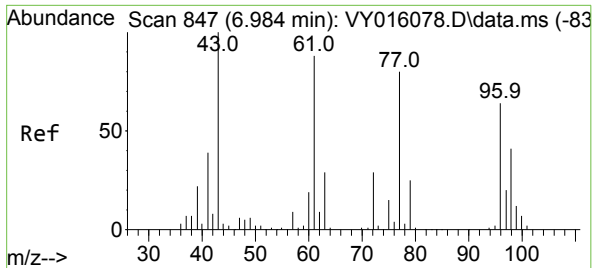
Tgt Ion: 84 Resp: 21613
Ion Ratio Lower Upper
84 100
49 107.5 106.9 160.3
51 37.7 33.2 49.8
86 60.0 51.0 76.6



#25
2-Butanone
Concen: 6.567 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Tgt Ion: 43 Resp: 2760
Ion Ratio Lower Upper
43 100
72 14.7 20.5 30.7#

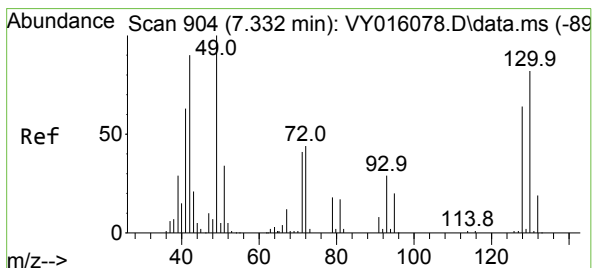
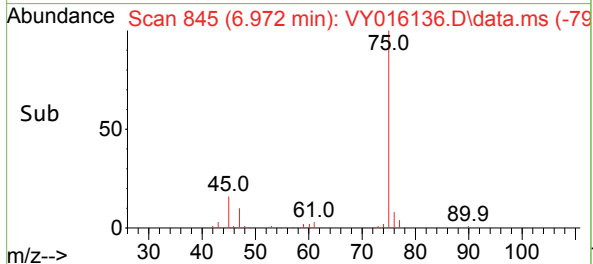
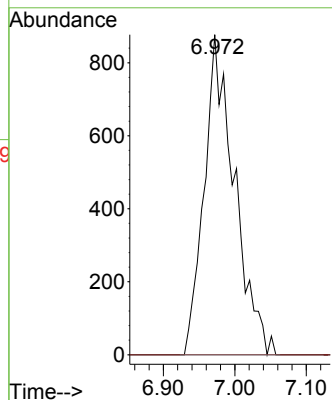
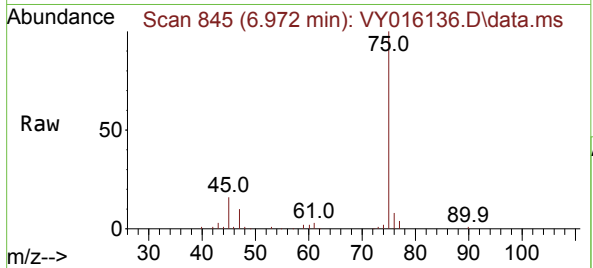




#26
2,2-Dichloropropane
Concen: 1.360 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

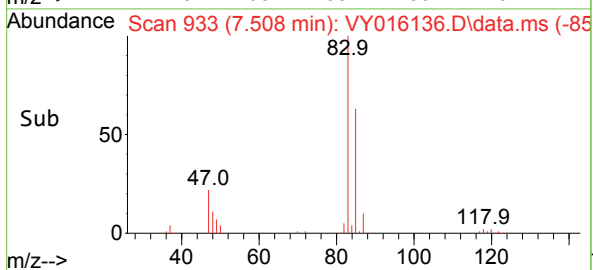
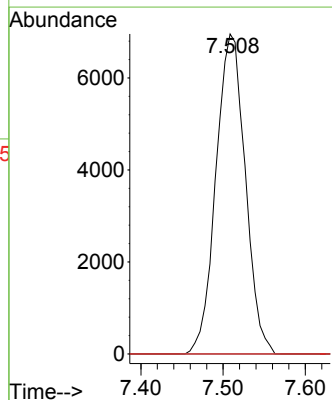
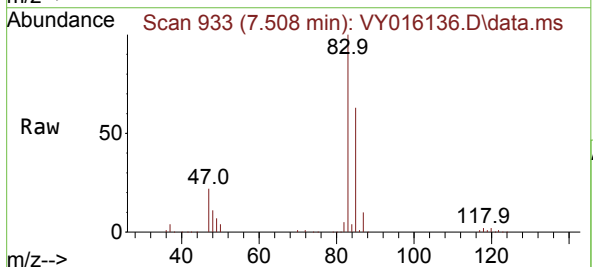
Instrument :
MSVOA_Y
ClientSampleId :

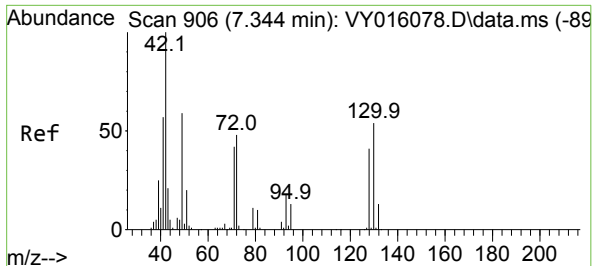
Tgt Ion: 77 Resp: 2571
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#28
Bromochloromethane
Concen: 20.728 ug/l
RT: 7.508 min Scan# 933
Delta R.T. 0.177 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Tgt Ion: 49 Resp: 17242
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 60.7 91.1#





#29

Tetrahydrofuran

Concen: 1.174 ug/l

RT: 7.490 min Scan# 91

Delta R.T. 0.146 min

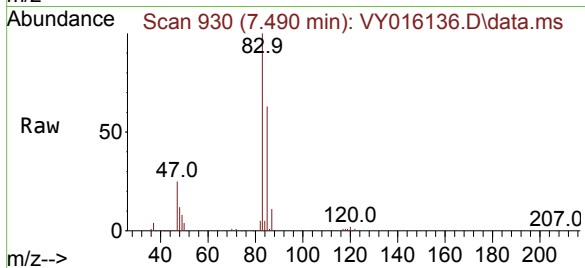
Lab File: VY016136.D

Acq: 30 Oct 2023 17:25

Instrument :

MSVOA_Y

ClientSampleId :



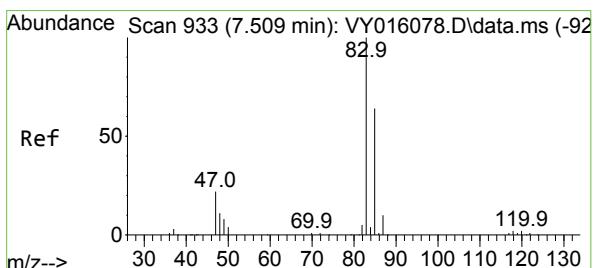
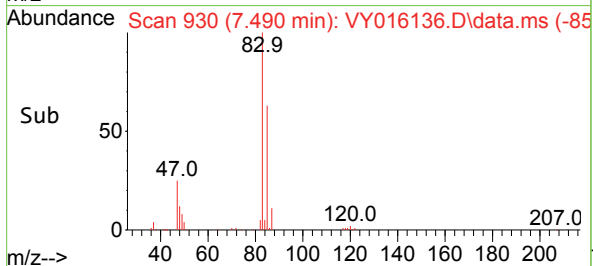
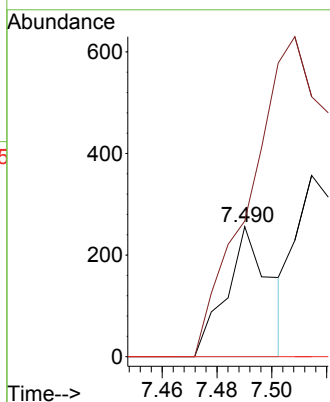
Tgt Ion: 42 Resp: 283

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#



#30

Chloroform

Concen: 106.632 ug/l

RT: 7.508 min Scan# 933

Delta R.T. -0.000 min

Lab File: VY016136.D

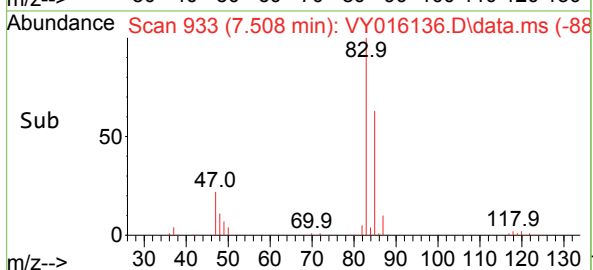
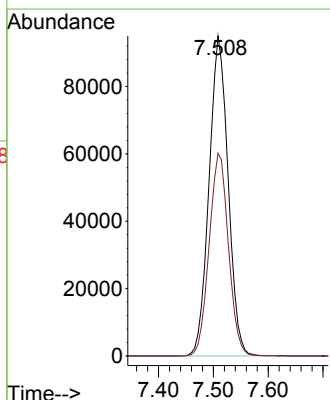
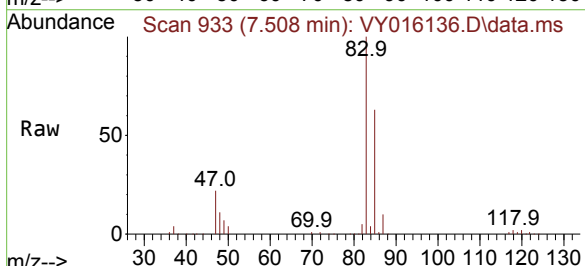
Acq: 30 Oct 2023 17:25

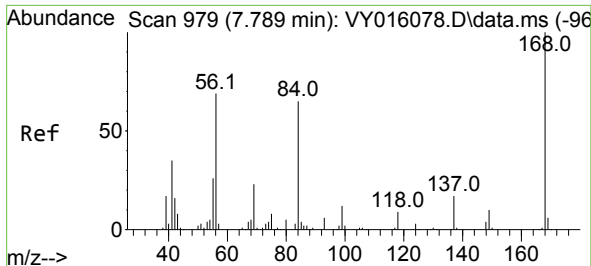
Tgt Ion: 83 Resp: 229036

Ion Ratio Lower Upper

83 100

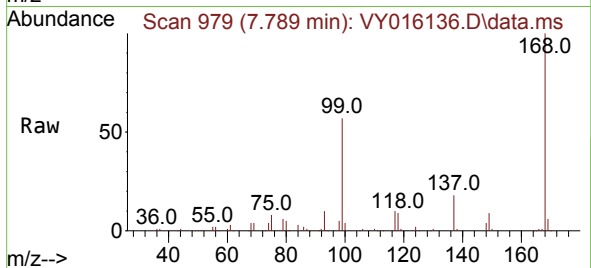
85 63.3 49.7 74.5



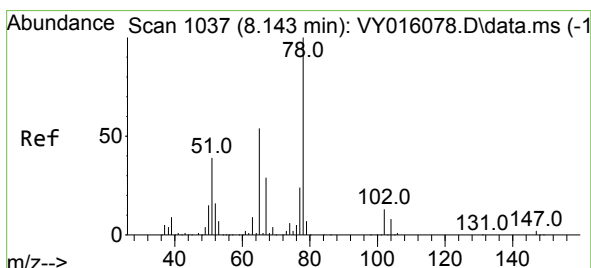
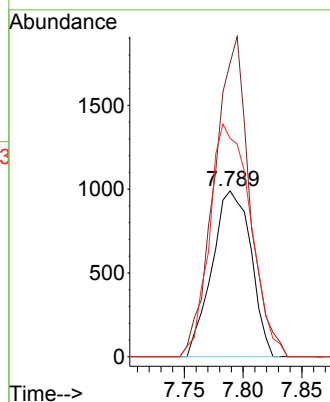
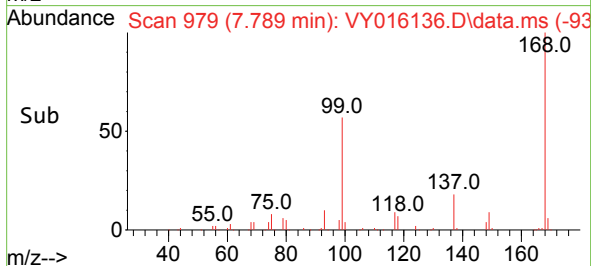


#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Instrument :
MSVOA_Y
ClientSampleId :

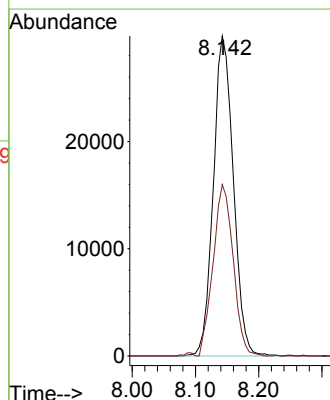
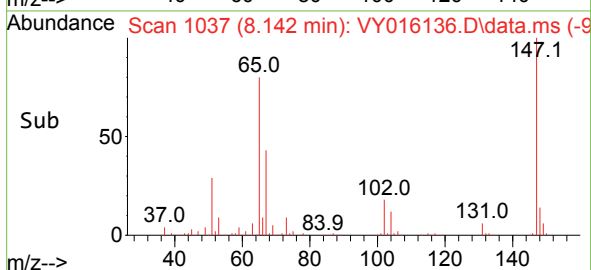
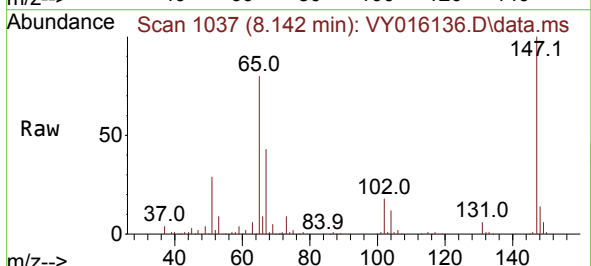


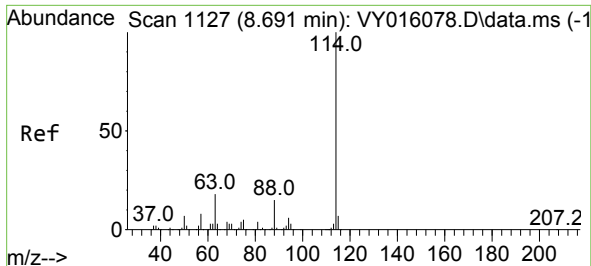
Tgt Ion: 56 Resp: 2279
Ion Ratio Lower Upper
56 100
69 177.1 27.8 41.6#
84 131.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.950 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Tgt Ion: 65 Resp: 65433
Ion Ratio Lower Upper
65 100
67 53.8 0.0 101.8

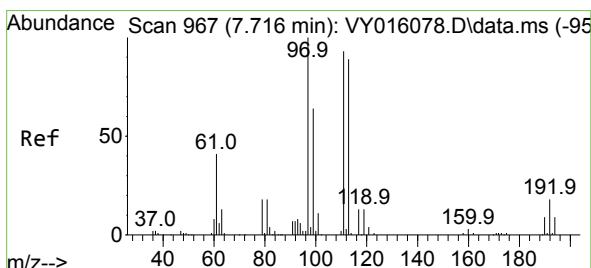
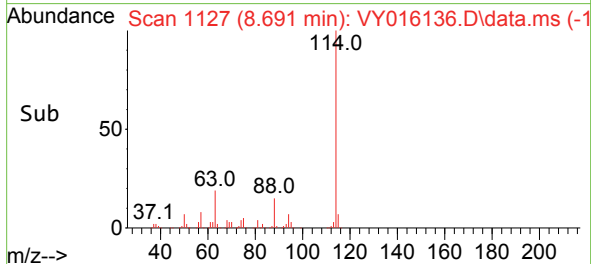
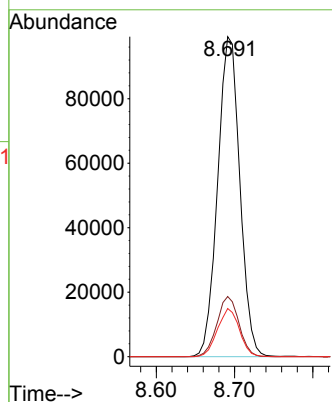
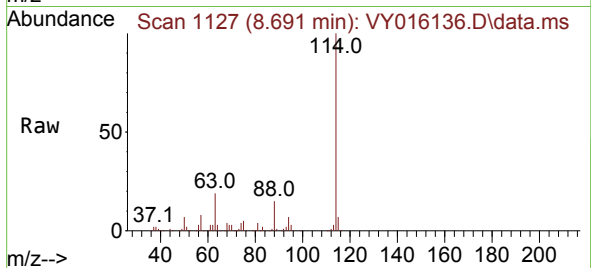




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

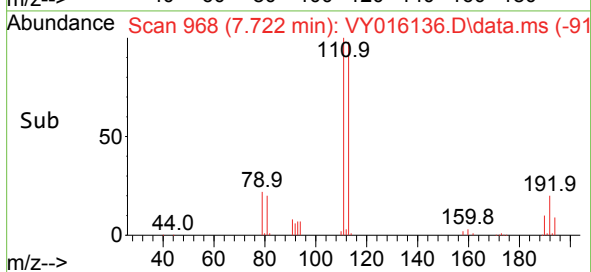
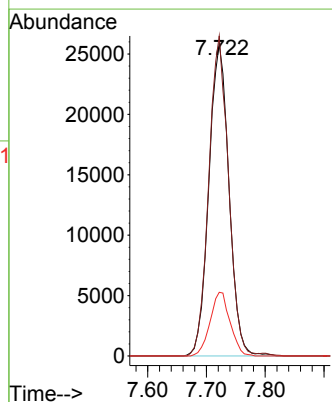
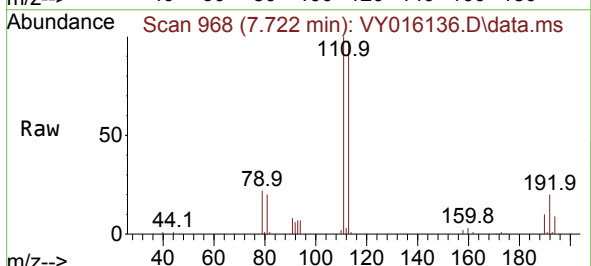
Instrument :
MSVOA_Y
ClientSampleId :

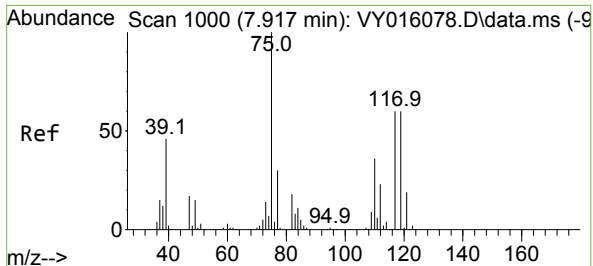
Tgt Ion:114 Resp: 195581
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.743 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

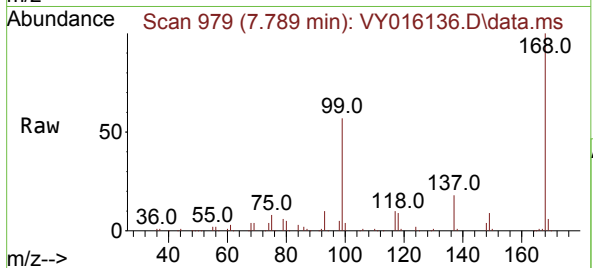
Tgt Ion:113 Resp: 61417
Ion Ratio Lower Upper
113 100
111 100.5 81.3 121.9
192 20.2 16.9 25.3



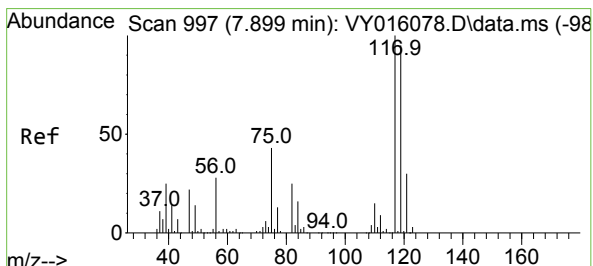
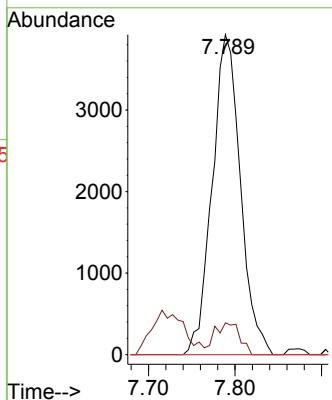
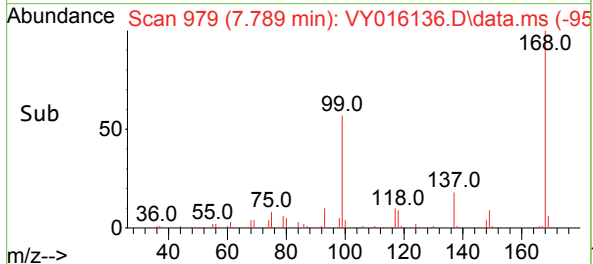


#36
 1,1-Dichloropropene
 Concen: 5.158 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY016136.D
 Acq: 30 Oct 2023 17:25

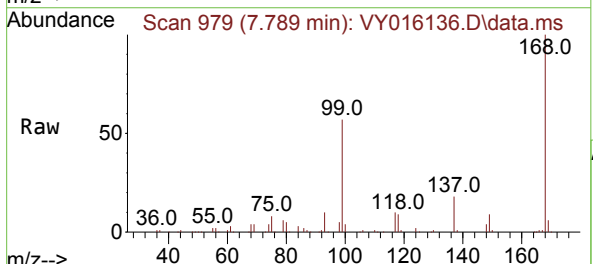
Instrument :
 MSVOA_Y
 ClientSampleId :



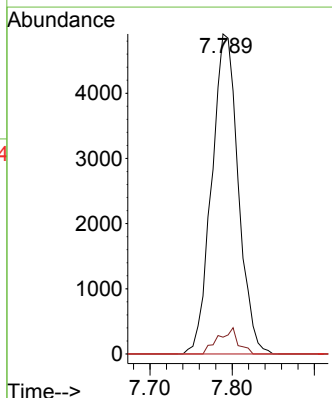
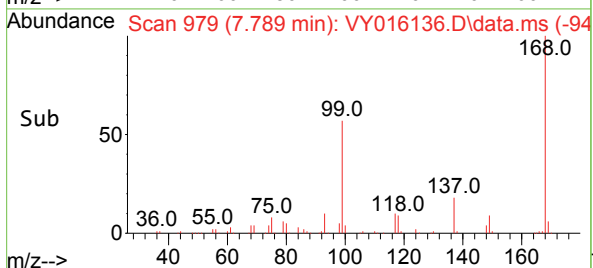
Tgt Ion: 75 Resp: 8878
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.8 53.5#
 77 0.0 24.4 36.6#

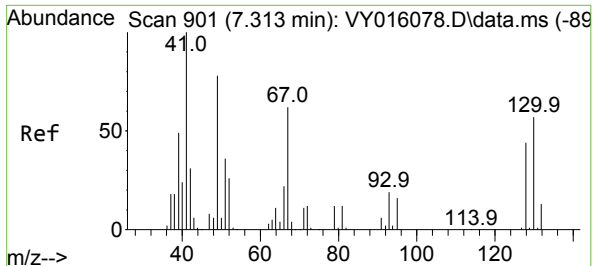


#38
 Carbon Tetrachloride
 Concen: 6.061 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY016136.D
 Acq: 30 Oct 2023 17:25



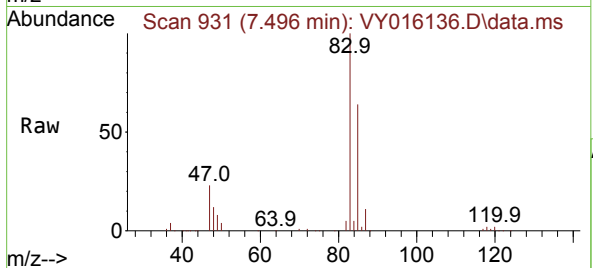
Tgt Ion: 117 Resp: 11032
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.4 114.6#
 121 0.0 25.8 38.6#



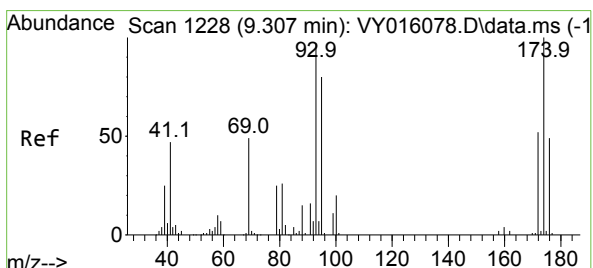
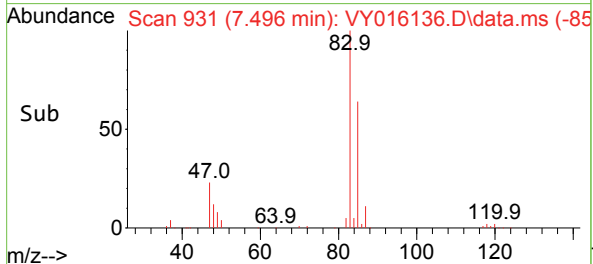
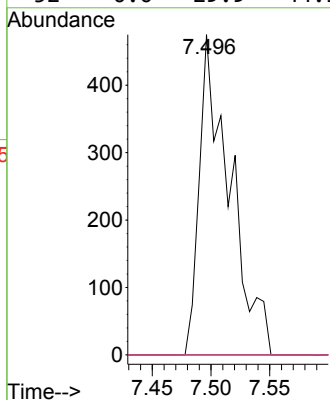


#41
Methacrylonitrile
Concen: 1.854 ug/l
RT: 7.496 min Scan# 91
Delta R.T. 0.183 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Instrument :
MSVOA_Y
ClientSampleId :

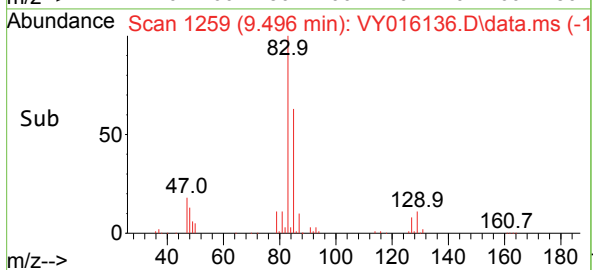
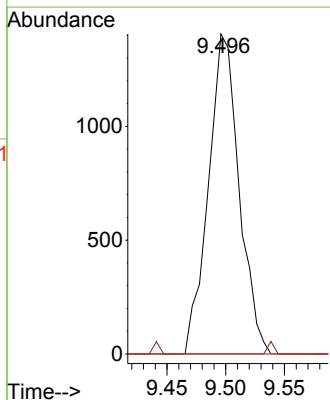
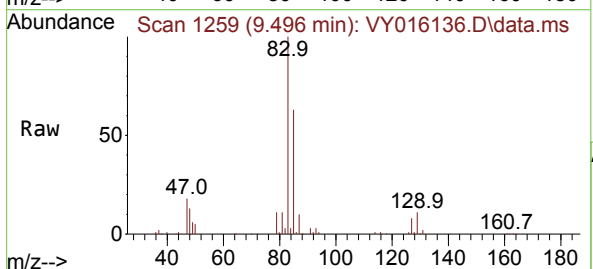


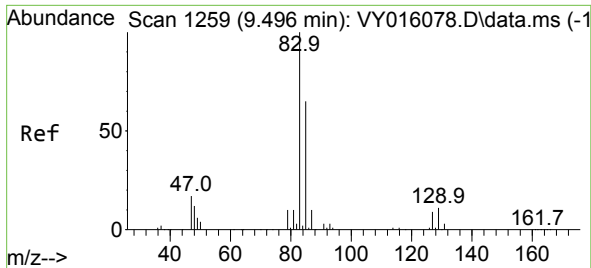
Tgt Ion:	41	Resp:	856
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#46
Dibromomethane
Concen: 3.535 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. 0.189 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

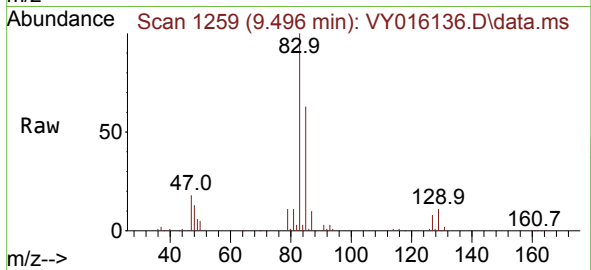
Tgt Ion:	93	Resp:	2556
Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.6	100.0#
174	0.0	84.8	127.2#



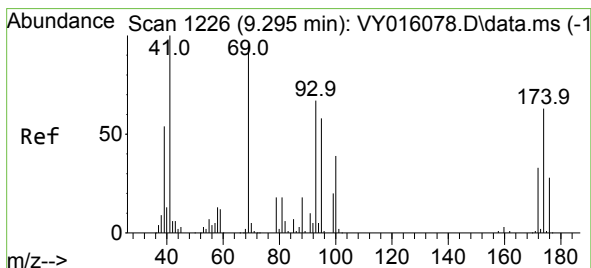
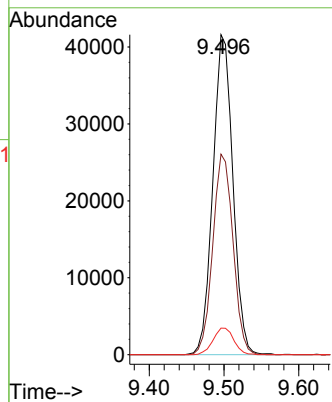
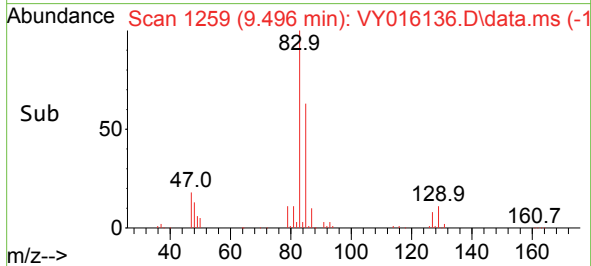


#47
Bromodichloromethane
Concen: 44.216 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Instrument :
MSVOA_Y
ClientSampleId :

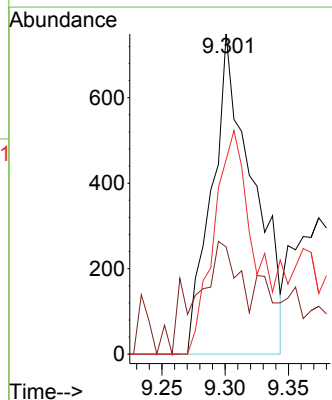
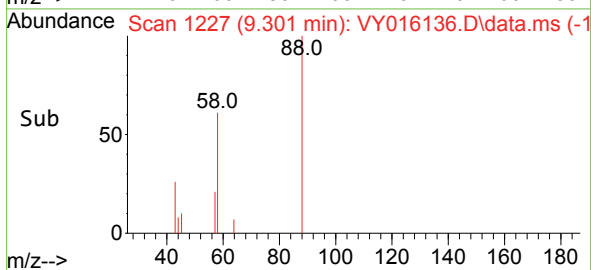
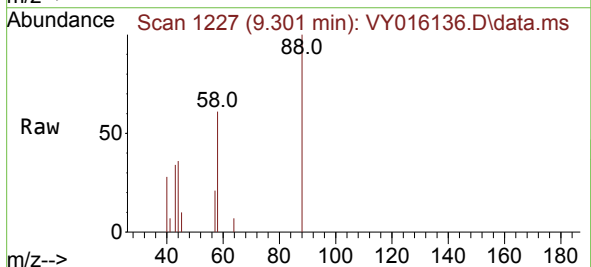


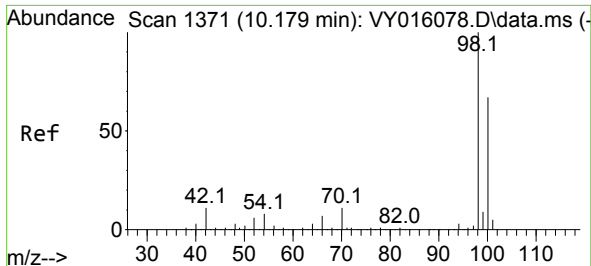
Tgt Ion: 83 Resp: 77327
Ion Ratio Lower Upper
83 100
85 62.6 50.1 75.1
127 8.3 7.1 10.7



#49
1,4-Dioxane
Concen: 187.462 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. 0.006 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Tgt Ion: 88 Resp: 1696
Ion Ratio Lower Upper
88 100
43 38.2 0.0 0.0#
58 66.6 30.9 46.3#





#50

Toluene-d8

Concen: 50.309 ug/l

RT: 10.185 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY016136.D

Acq: 30 Oct 2023 17:25

Instrument :

MSVOA_Y

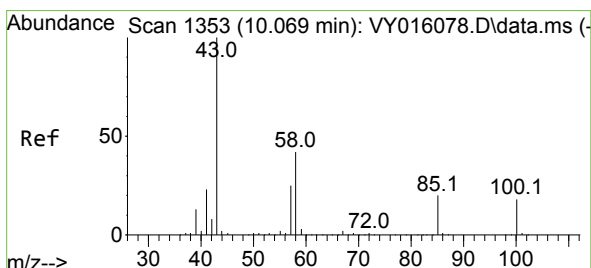
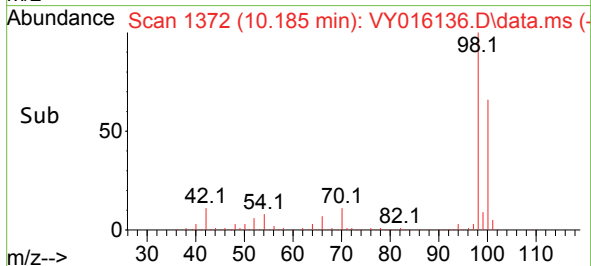
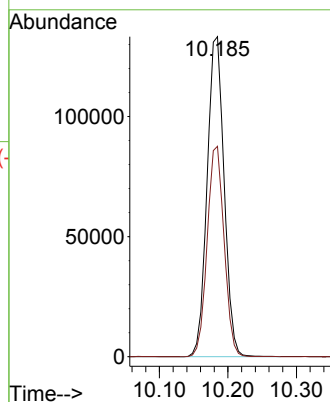
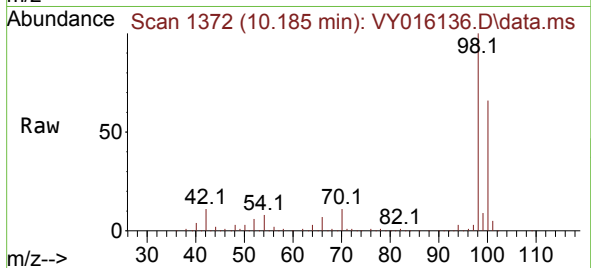
ClientSampleId :

Tgt Ion: 98 Resp: 230088

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.482 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY016136.D

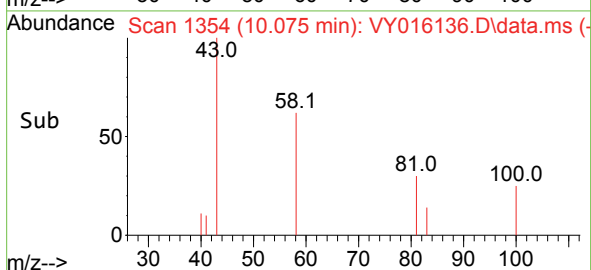
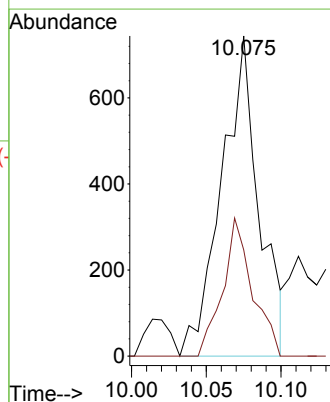
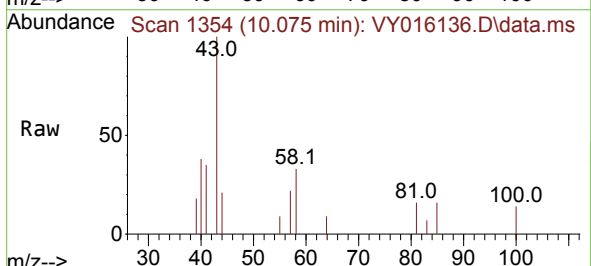
Acq: 30 Oct 2023 17:25

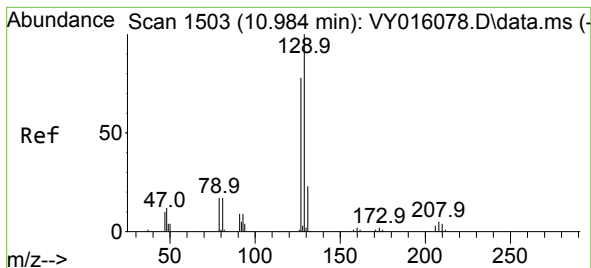
Tgt Ion: 43 Resp: 1290

Ion Ratio Lower Upper

43 100

58 34.3 29.0 43.6

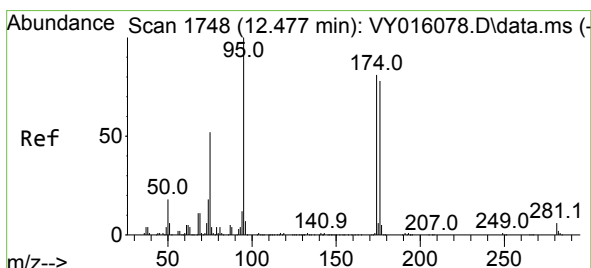
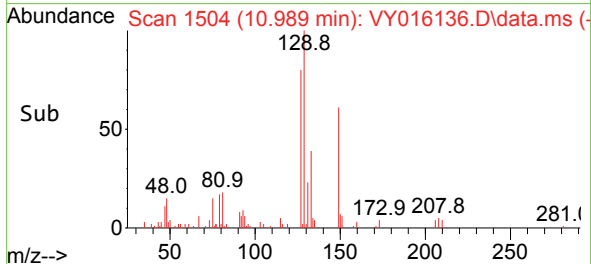
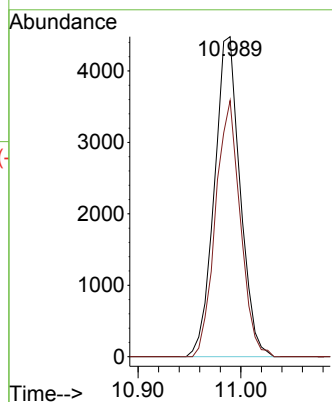
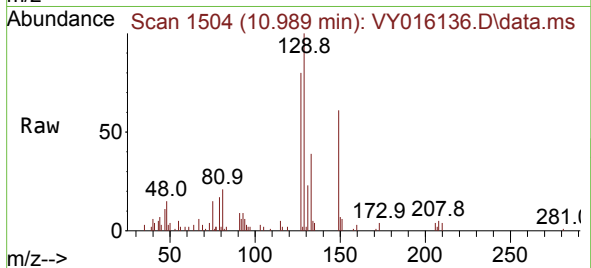




#60
Dibromochloromethane
Concen: 6.190 ug/l
RT: 10.989 min Scan# 1504
Delta R.T. 0.006 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

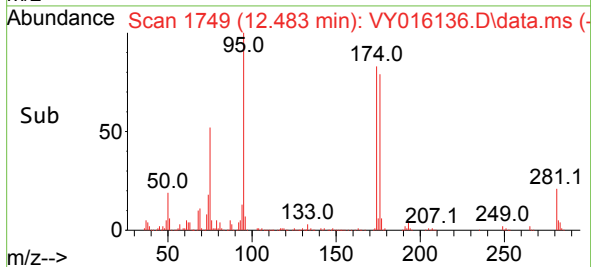
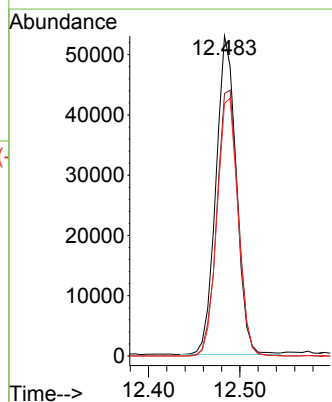
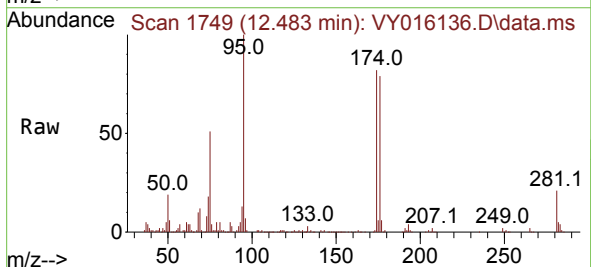
Instrument :
MSVOA_Y
ClientSampleId :

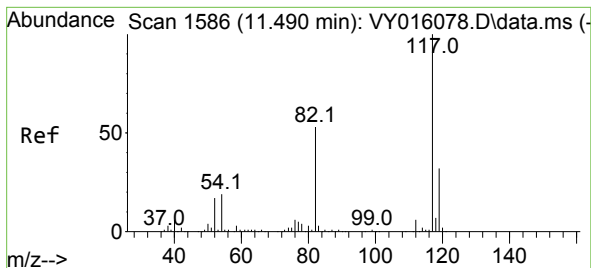
Tgt Ion:129 Resp: 7788
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5



#62
4-Bromofluorobenzene
Concen: 52.217 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Tgt Ion: 95 Resp: 81920
Ion Ratio Lower Upper
95 100
174 87.0 0.0 178.2
176 83.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016136.D

Acq: 30 Oct 2023 17:25

Instrument :

MSVOA_Y

ClientSampleId :

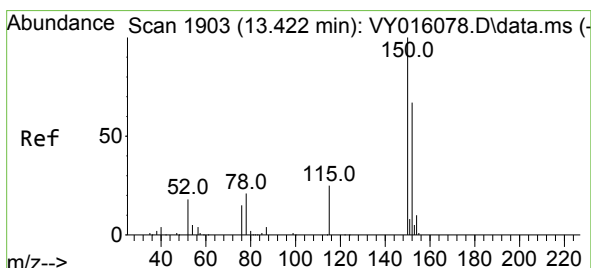
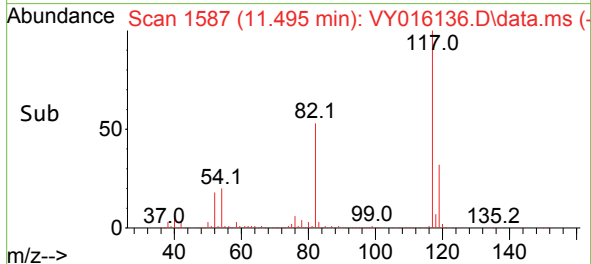
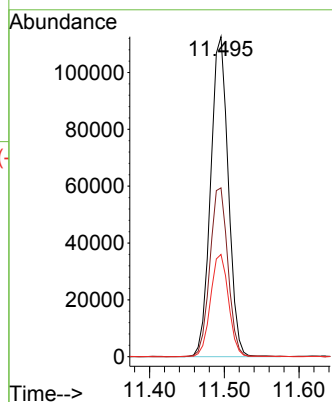
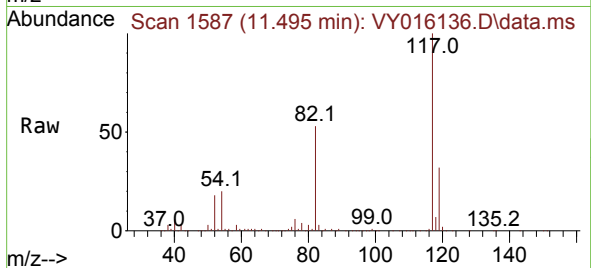
Tgt Ion:117 Resp: 184454

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016136.D

Acq: 30 Oct 2023 17:25

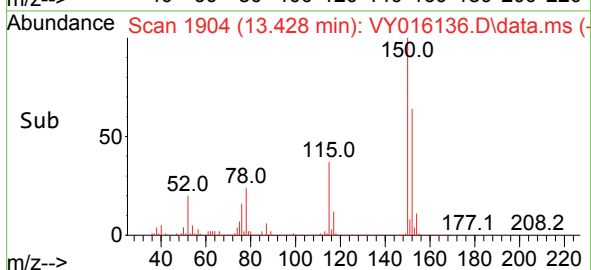
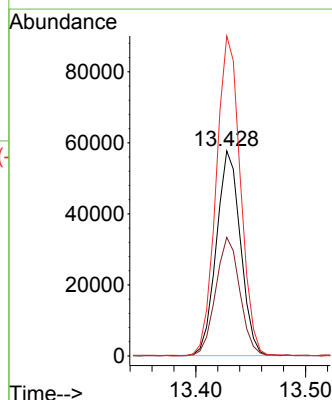
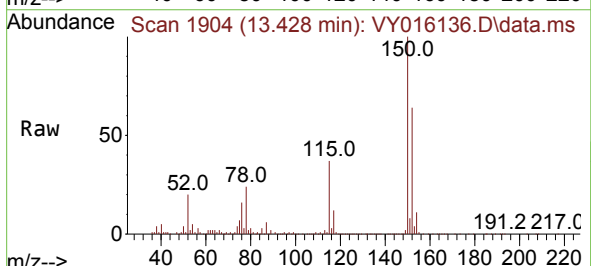
Tgt Ion:152 Resp: 88039

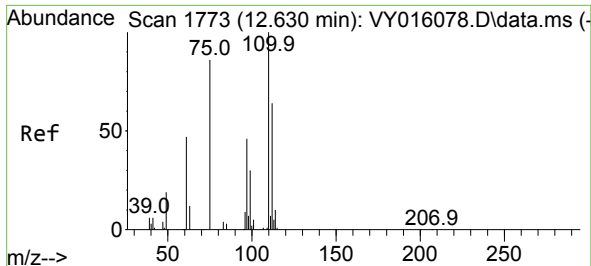
Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 157.5 0.0 348.8

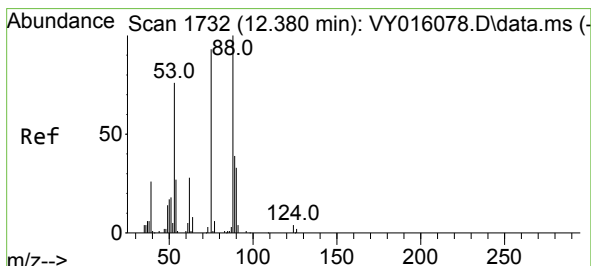
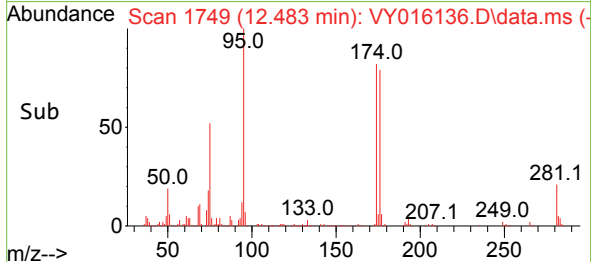
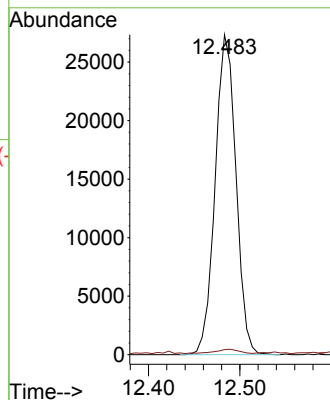
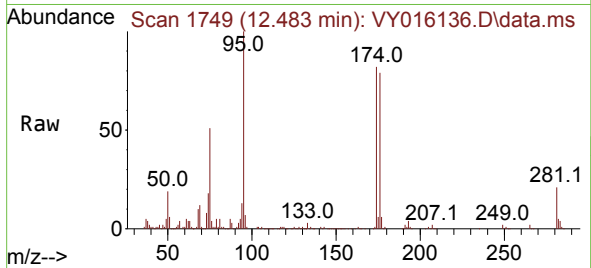




#76
1,2,3-Trichloropropane
Concen: 48.070 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

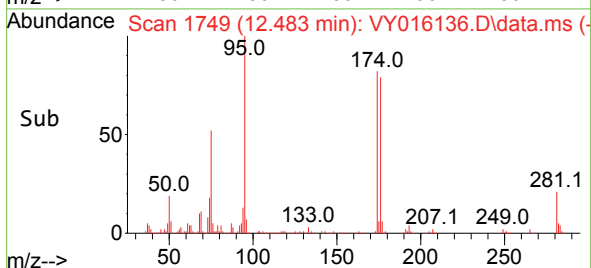
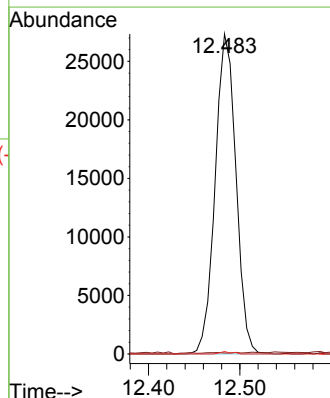
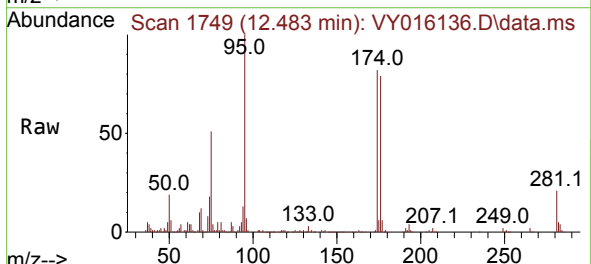
Instrument :
MSVOA_Y
ClientSampleId :

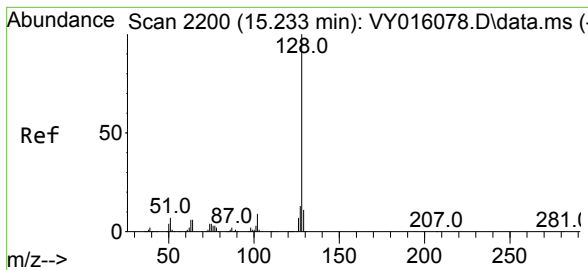
Tgt Ion: 75 Resp: 43207
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.461 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

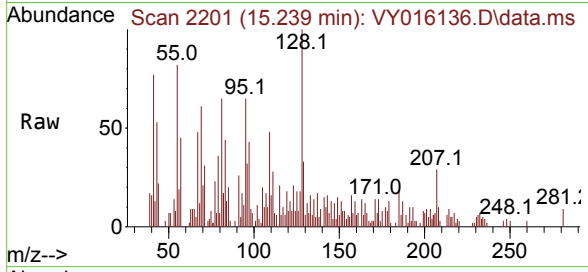
Tgt Ion: 75 Resp: 43207
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.4 37.4 56.0#





#95
Naphthalene
Concen: 1.274 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY016136.D
Acq: 30 Oct 2023 17:25

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.8	16.2#
129	20.9	8.6	13.0#

