

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015313.D
 Acq On : 24 Aug 2023 15:34
 Operator : SY/MD
 Sample : 04135-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 03:20:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

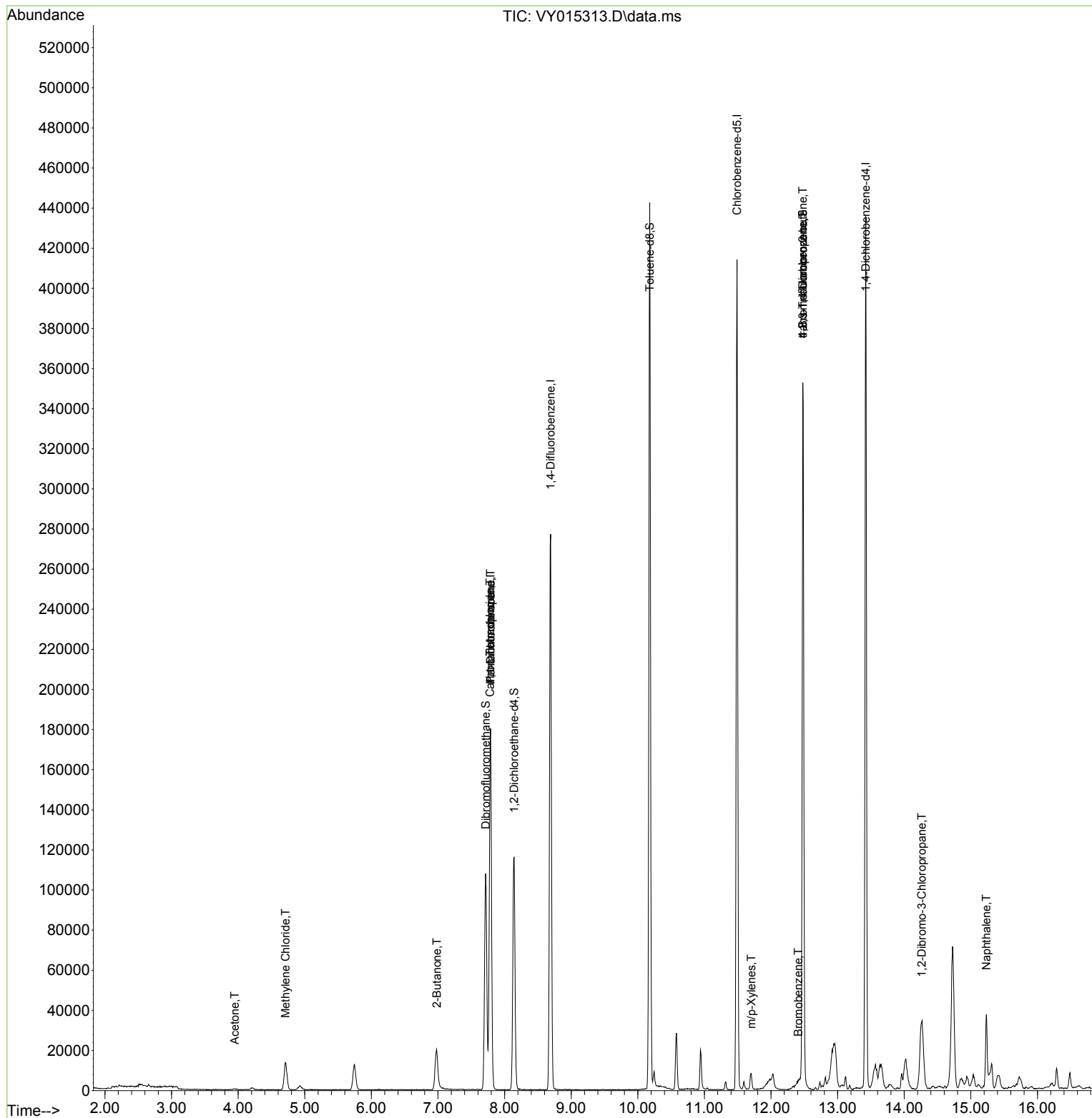
Internal Standards						
1) Pentafluorobenzene	7.789	168	139951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	220652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92881	55.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.580%	
35) Dibromofluoromethane	7.716	113	75514	49.100	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.200%	
50) Toluene-d8	10.179	98	280661	49.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.040%	
62) 4-Bromofluorobenzene	12.477	95	99327	47.500	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	190	Below Cal	#	43
5) Bromomethane	2.662	94	257	Below Cal	#	70
11) Tert butyl alcohol	4.930	59	2513	Below Cal	#	89
16) Acetone	3.948	43	996	1.815	ug/l #	76
20) Methylene Chloride	4.710	84	10233	3.783	ug/l	83
25) 2-Butanone	6.984	43	1215	1.564	ug/l #	49
31) Cyclohexane	7.783	56	3119	Below Cal	#	2
36) 1,1-Dichloropropene	7.789	75	11342	6.666	ug/l #	50
38) Carbon Tetrachloride	7.783	117	13903	6.904	ug/l #	17
68) m/p-Xylenes	11.703	106	2710	1.013	ug/l	91
76) 1,2,3-Trichloropropane	12.477	75	54399	41.654	ug/l #	100
77) Bromobenzene	12.410	156	2539	1.507	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	54399	91.493	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.263	75	3914	11.223	ug/l #	3
95) Naphthalene	15.233	128	30066	6.022	ug/l	98

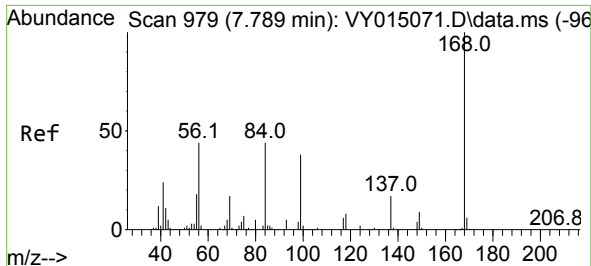
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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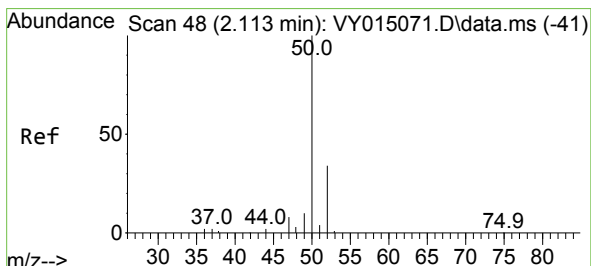
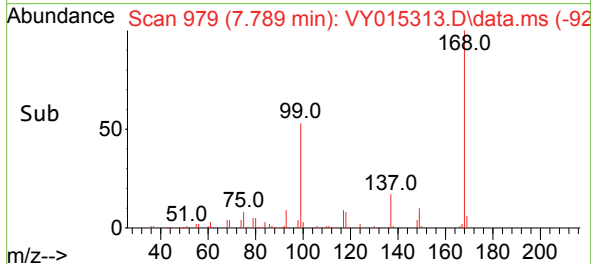
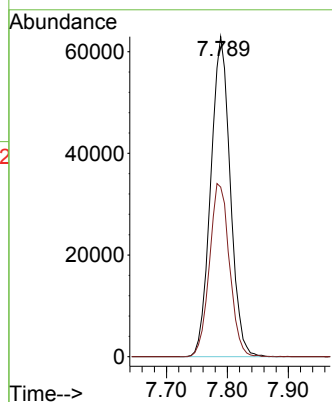
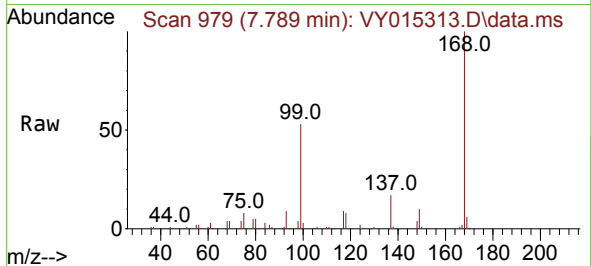




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

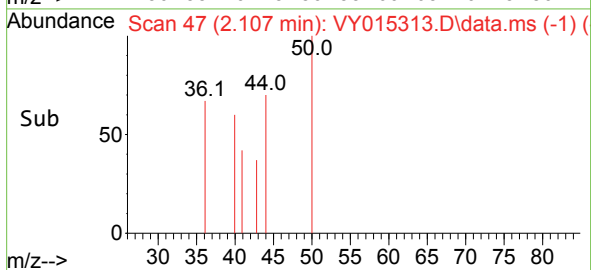
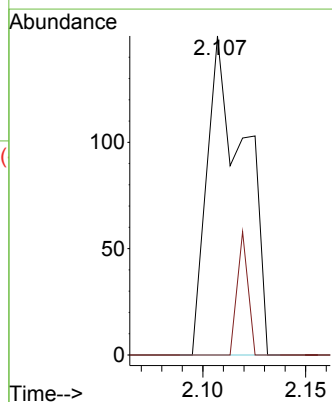
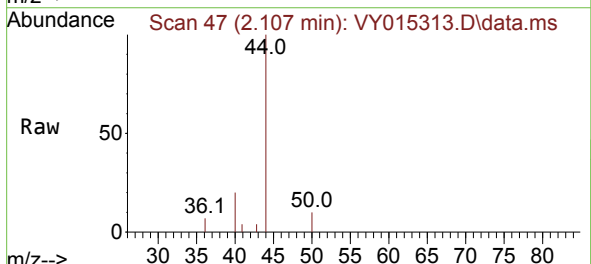
Instrument :
MSVOA_Y
ClientSampleId :

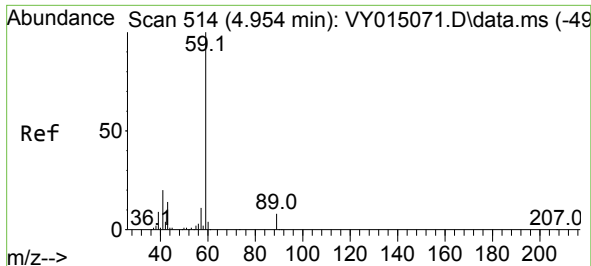
Tgt Ion:168 Resp: 139951
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

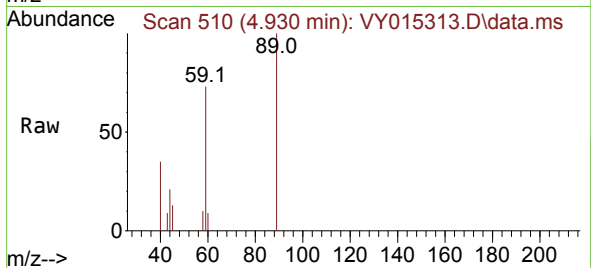
Tgt Ion: 50 Resp: 190
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



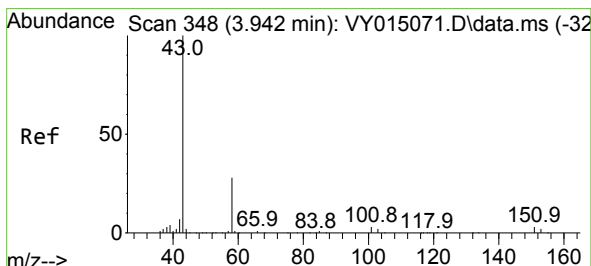
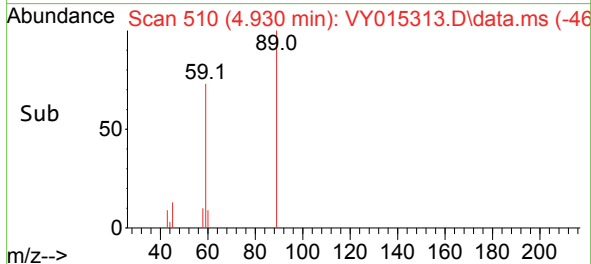
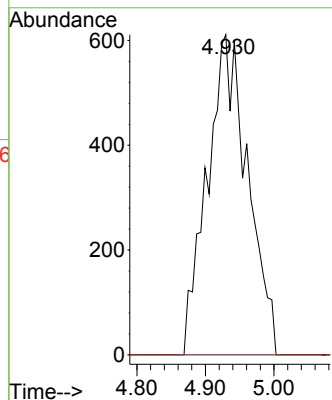


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

Instrument :
MSVOA_Y
ClientSampleId :

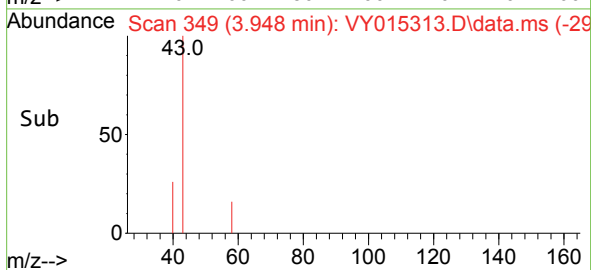
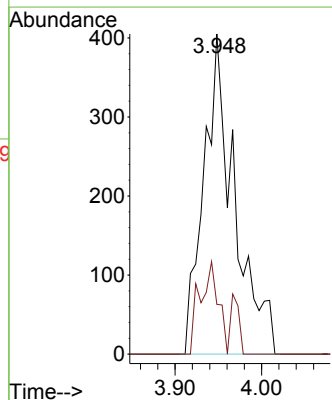
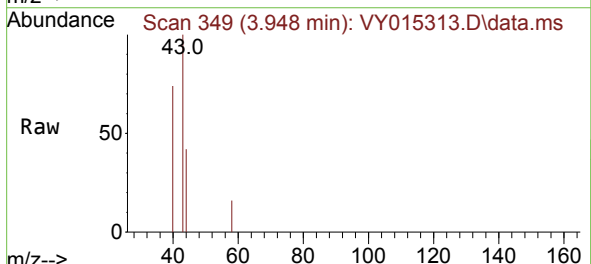


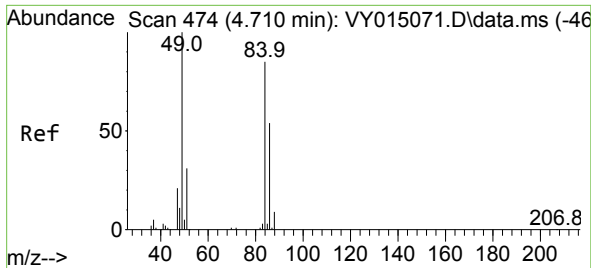
Tgt Ion: 59 Resp: 2513
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 1.815 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

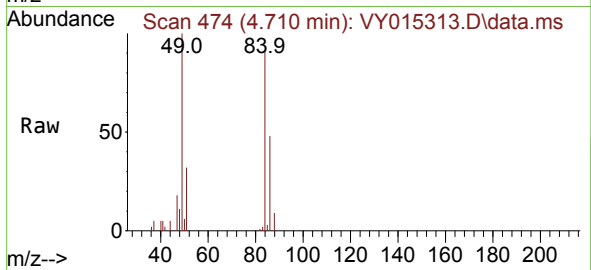
Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
58 15.6 22.7 34.1#



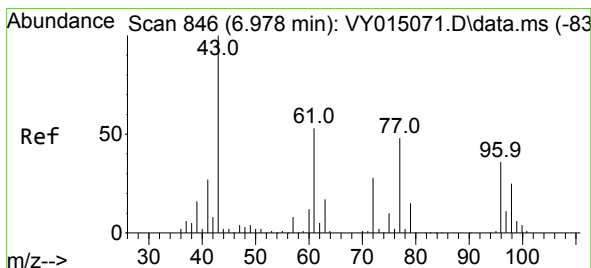
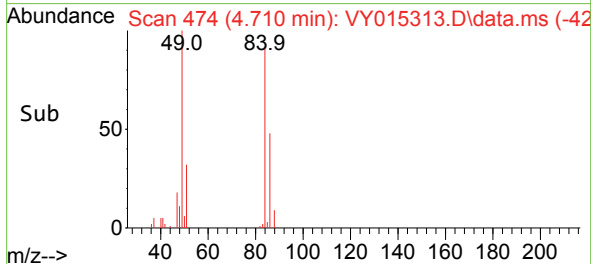
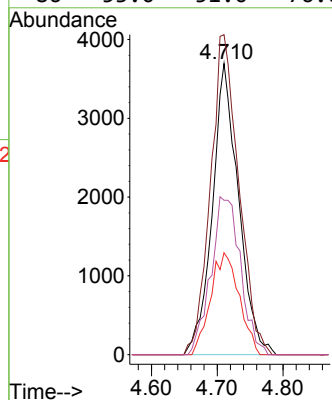


#20
Methylene Chloride
Concen: 3.783 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

Instrument :
MSVOA_Y
ClientSampleId :

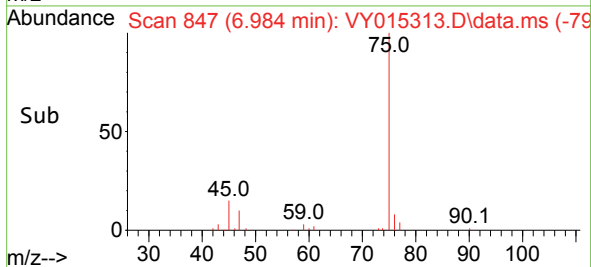
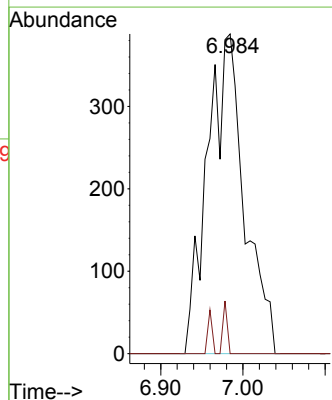
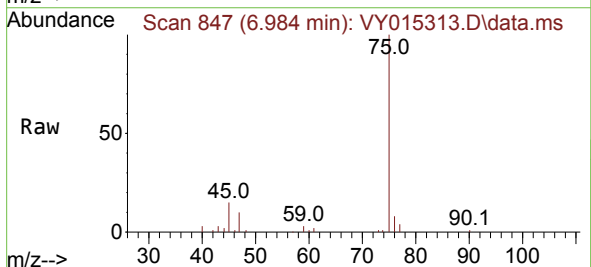


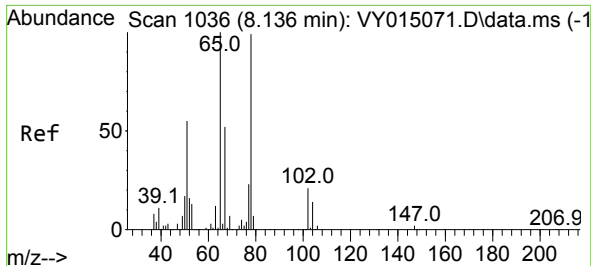
Tgt Ion:	84	Resp:	10233
Ion	Ratio	Lower	Upper
84	100		
49	109.9	106.9	160.3
51	35.0	33.2	49.8
86	53.0	51.0	76.6



#25
2-Butanone
Concen: 1.564 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

Tgt Ion:	43	Resp:	1215
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 55.287 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015313.D

Acq: 24 Aug 2023 15:34

Instrument :

MSVOA_Y

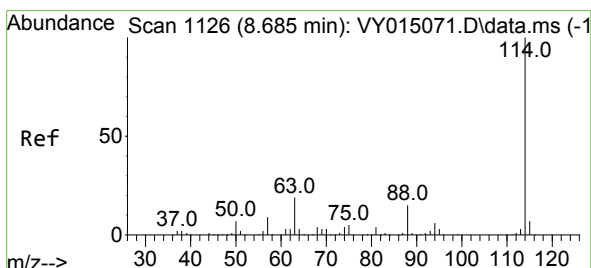
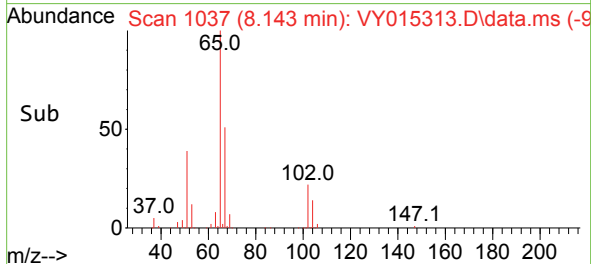
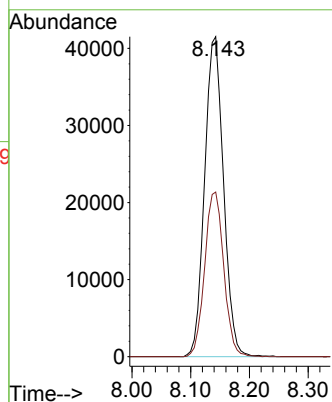
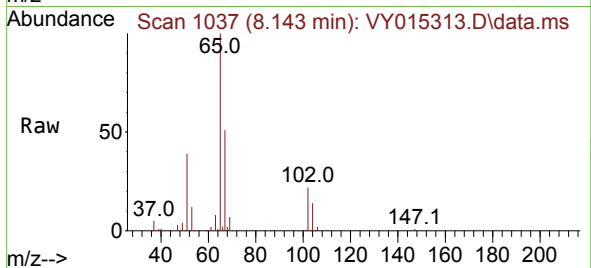
ClientSampleId :

Tgt Ion: 65 Resp: 92881

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015313.D

Acq: 24 Aug 2023 15:34

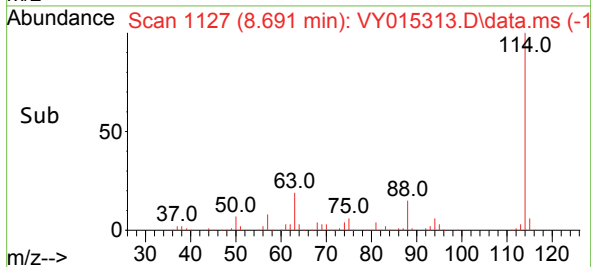
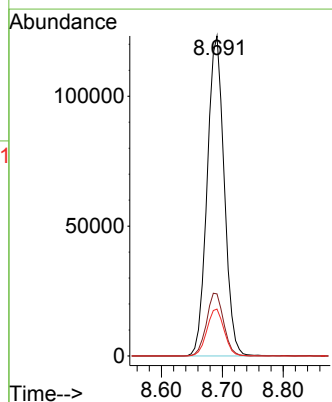
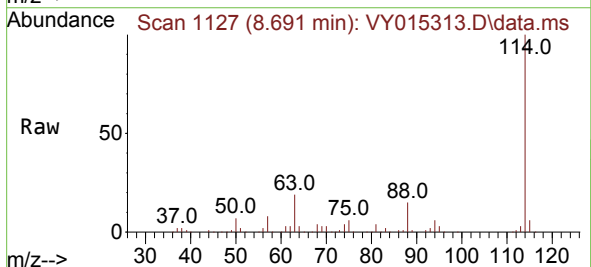
Tgt Ion:114 Resp: 239060

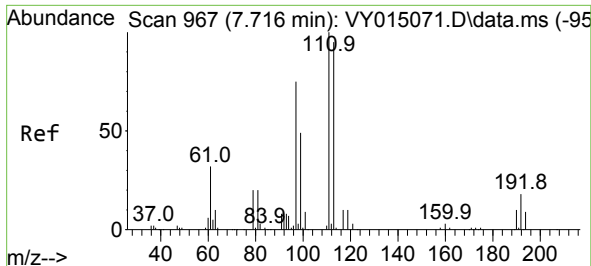
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 14.7 0.0 30.6

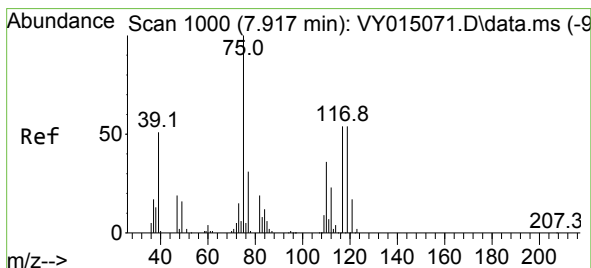
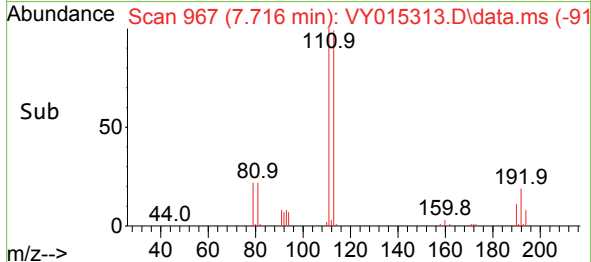
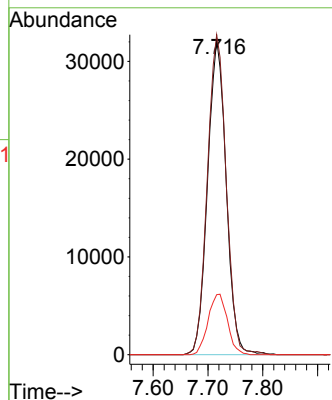
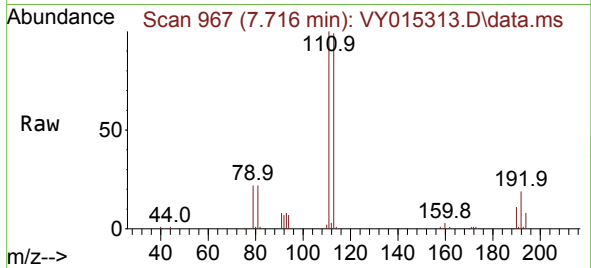




#35
Dibromofluoromethane
Concen: 49.100 ug/l
RT: 7.716 min Scan# 914
Delta R.T. 0.000 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

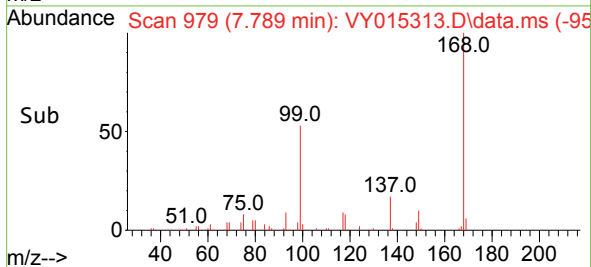
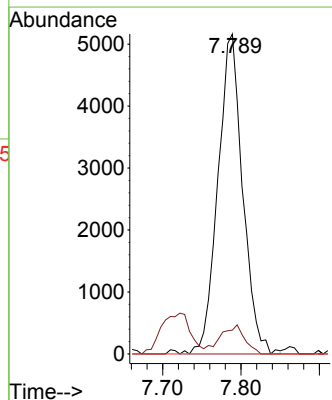
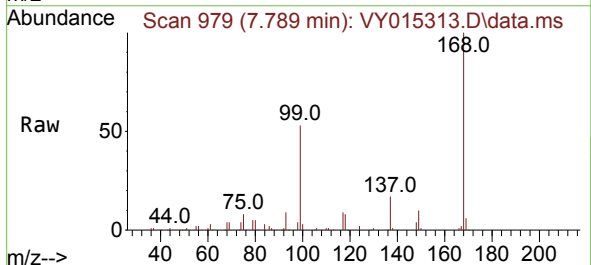
Instrument :
MSVOA_Y
ClientSampleId :

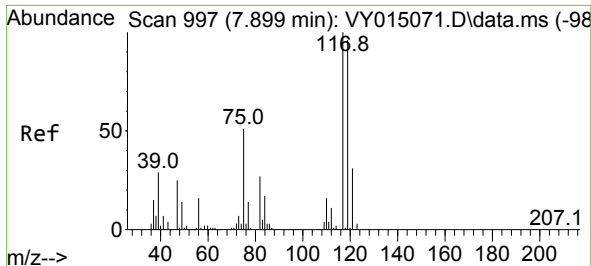
Tgt Ion:113 Resp: 75514
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.666 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

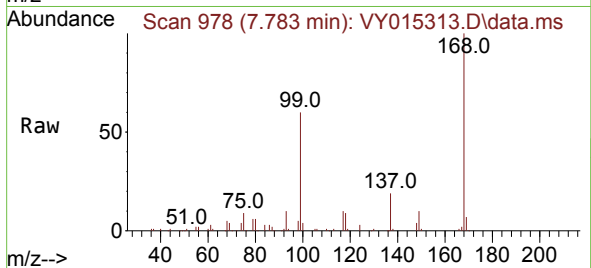
Tgt Ion: 75 Resp: 11342
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



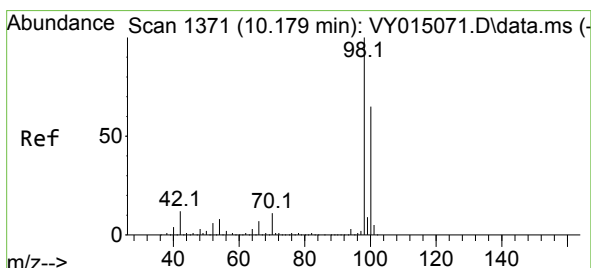
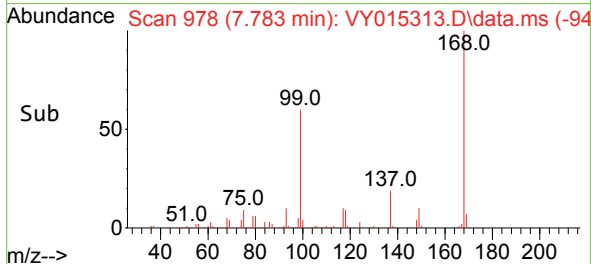
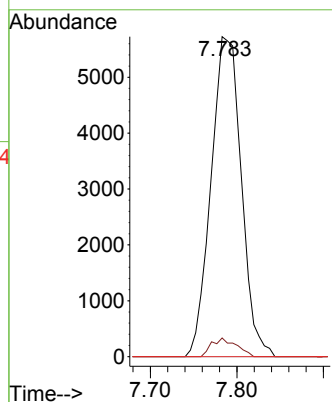


#38
Carbon Tetrachloride
Concen: 6.904 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

Instrument :
MSVOA_Y
ClientSampleId :

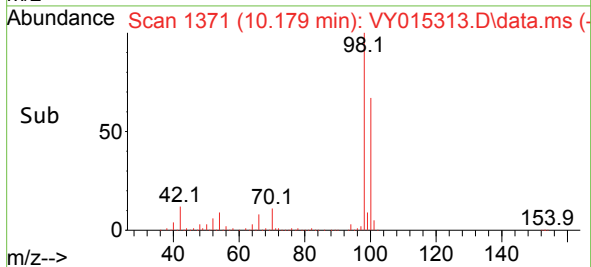
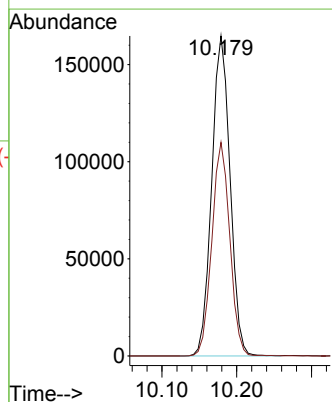
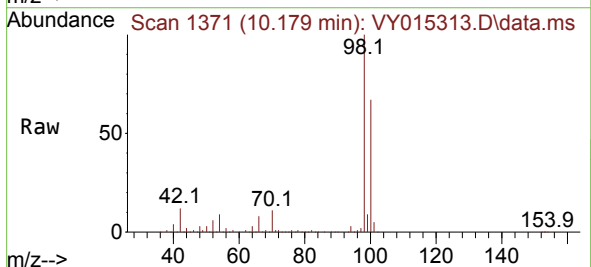


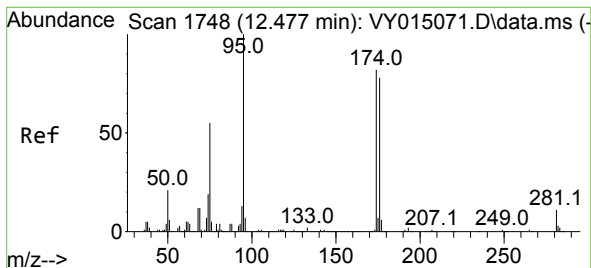
Tgt Ion:117 Resp: 13903
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.022 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

Tgt Ion: 98 Resp: 280661
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

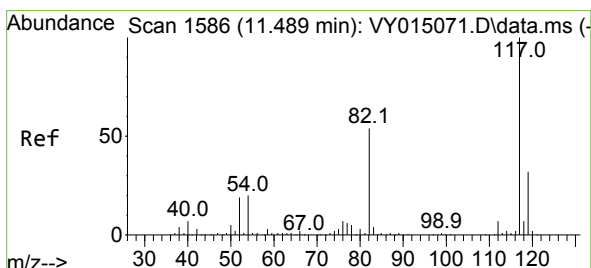
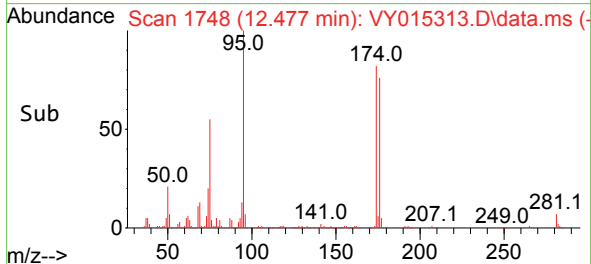
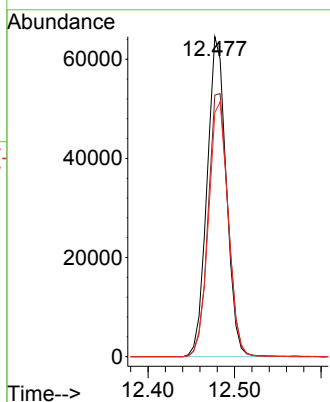
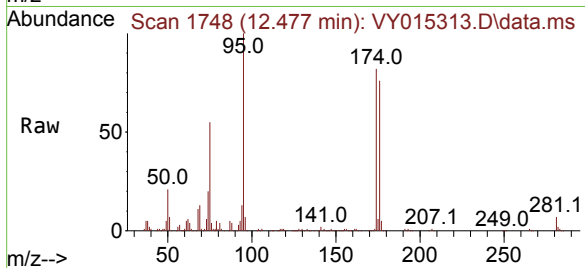




#62
4-Bromofluorobenzene
Concen: 47.500 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

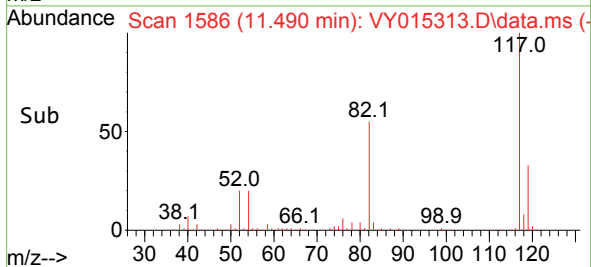
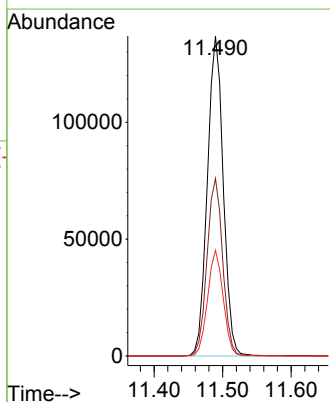
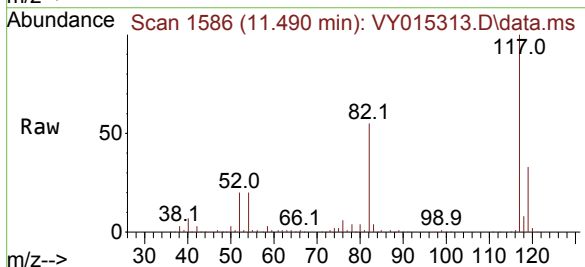
Instrument :
MSVOA_Y
ClientSampleId :

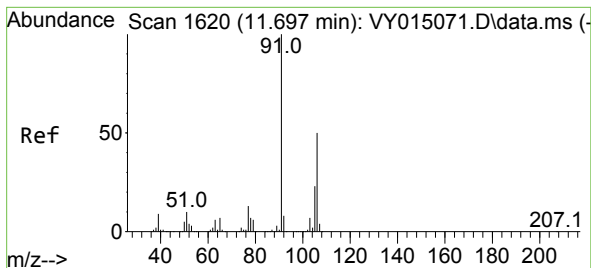
Tgt Ion: 95 Resp: 99327
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 81.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

Tgt Ion: 117 Resp: 220652
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.0
119 33.0 26.3 39.5

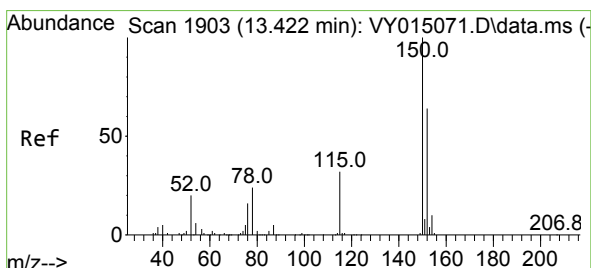
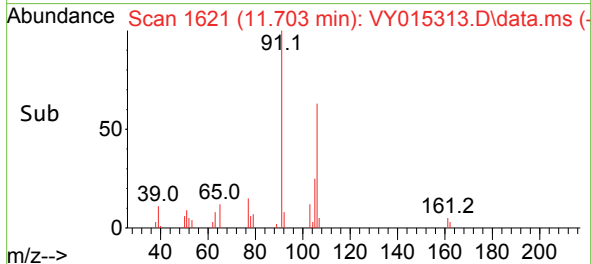
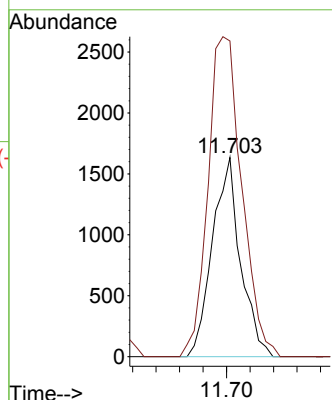
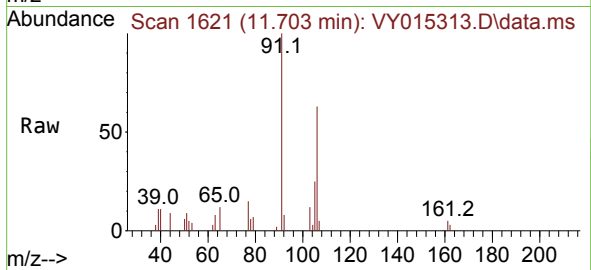




#68
m/p-Xylenes
Concen: 1.013 ug/l
RT: 11.703 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

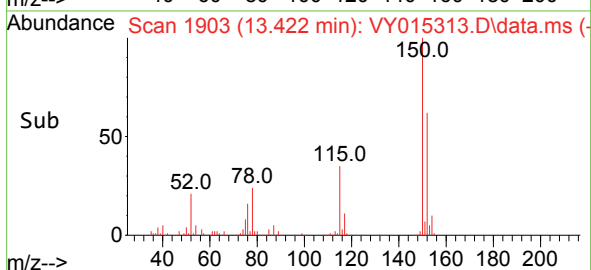
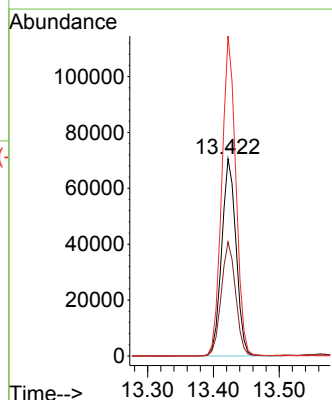
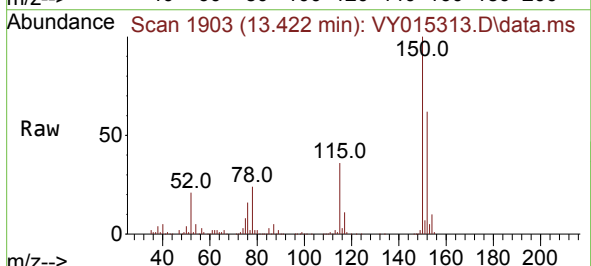
Instrument :
MSVOA_Y
ClientSampleId :

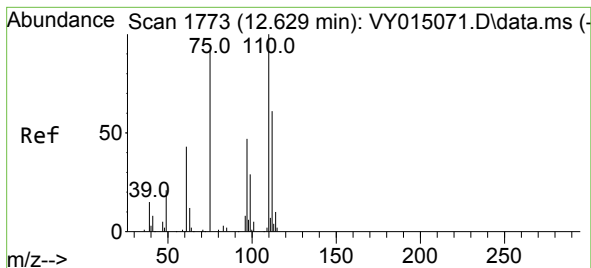
Tgt Ion:106 Resp: 2710
Ion Ratio Lower Upper
106 100
91 193.5 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

Tgt Ion:152 Resp: 107493
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 158.6 0.0 348.8

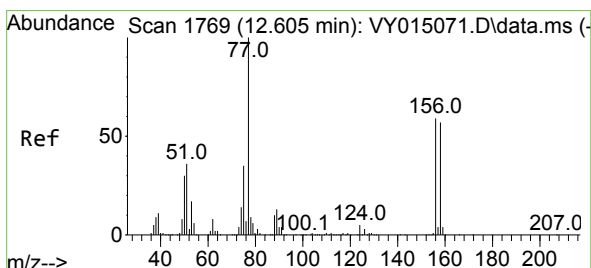
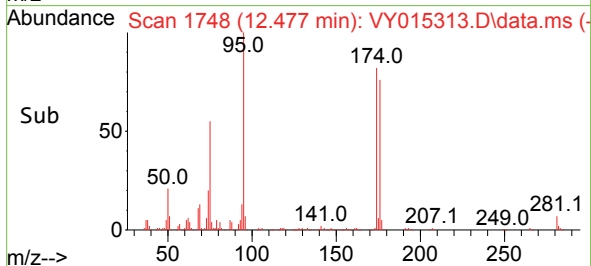
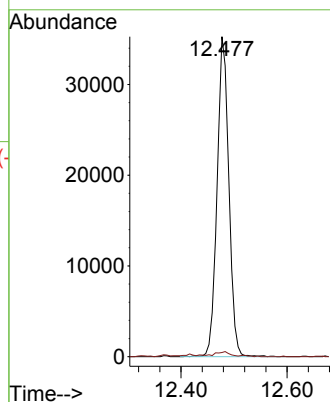
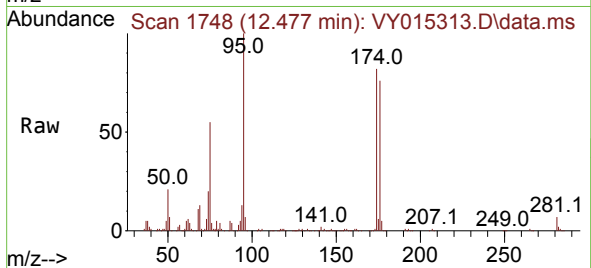




#76
1,2,3-Trichloropropane
Concen: 41.654 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

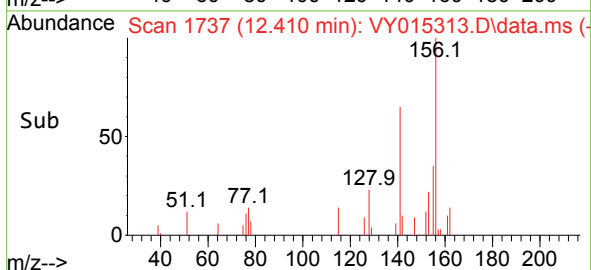
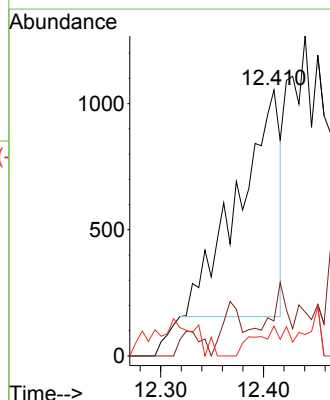
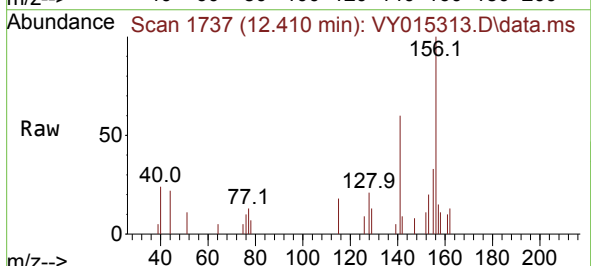
Instrument :
MSVOA_Y
ClientSampleId :

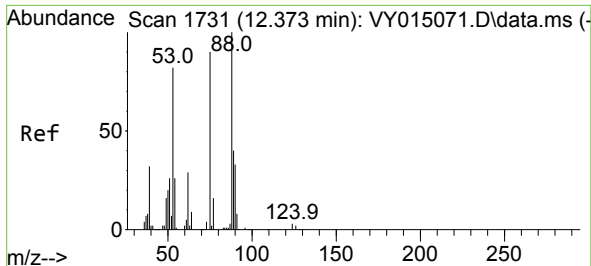
Tgt Ion: 75 Resp: 54399
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#77
Bromobenzene
Concen: 1.507 ug/l
RT: 12.410 min Scan# 1737
Delta R.T. -0.195 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

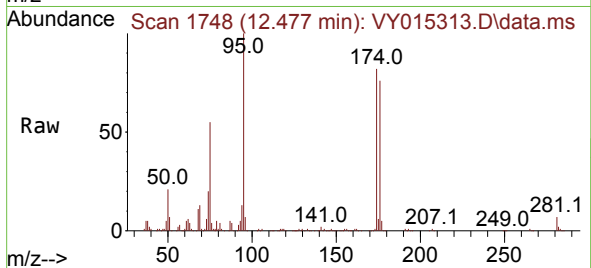
Tgt Ion: 156 Resp: 2539
Ion Ratio Lower Upper
156 100
77 12.6 92.8 278.6#
158 10.1 48.4 145.3#



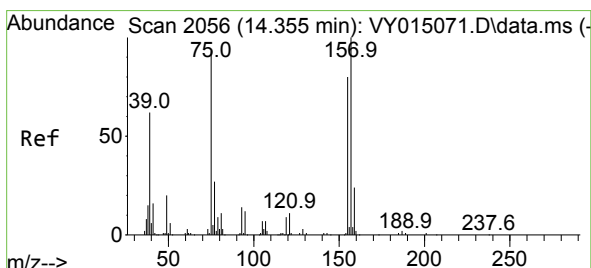
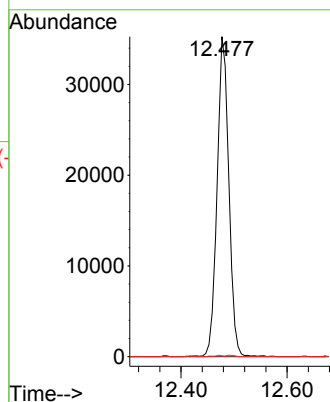
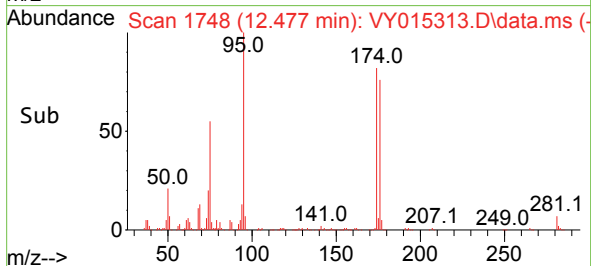


#81
trans-1,4-Dichloro-2-butene
Concen: 91.493 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

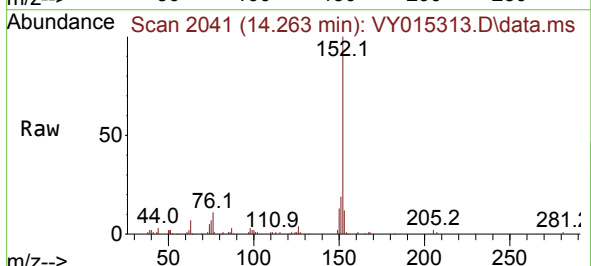
Instrument :
MSVOA_Y
ClientSampleId :



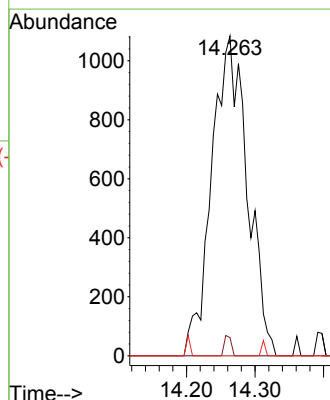
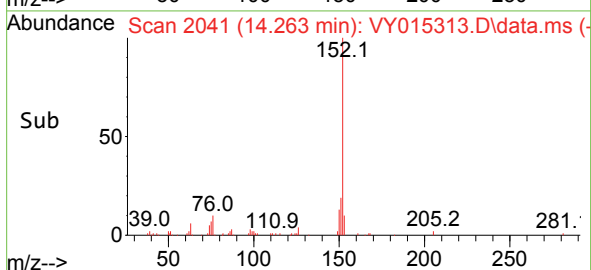
Tgt Ion: 75 Resp: 54399
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.4 37.4 56.0#

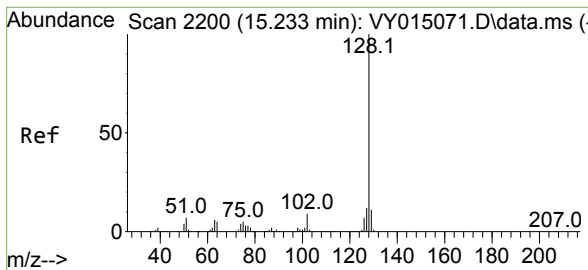


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.223 ug/l
RT: 14.263 min Scan# 2041
Delta R.T. -0.091 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34



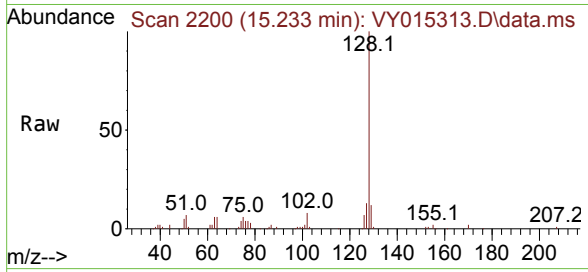
Tgt Ion: 75 Resp: 3914
Ion Ratio Lower Upper
75 100
155 1.2 41.5 124.6#
157 0.0 51.8 155.5#





#95
Naphthalene
Concen: 6.022 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015313.D
Acq: 24 Aug 2023 15:34

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	12.2	8.6	13.0

