

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014755.D
 Acq On : 21 Jul 2023 18:29
 Operator : SY/MD
 Sample : 03706-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P20A

Quant Time: Jul 22 05:40:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

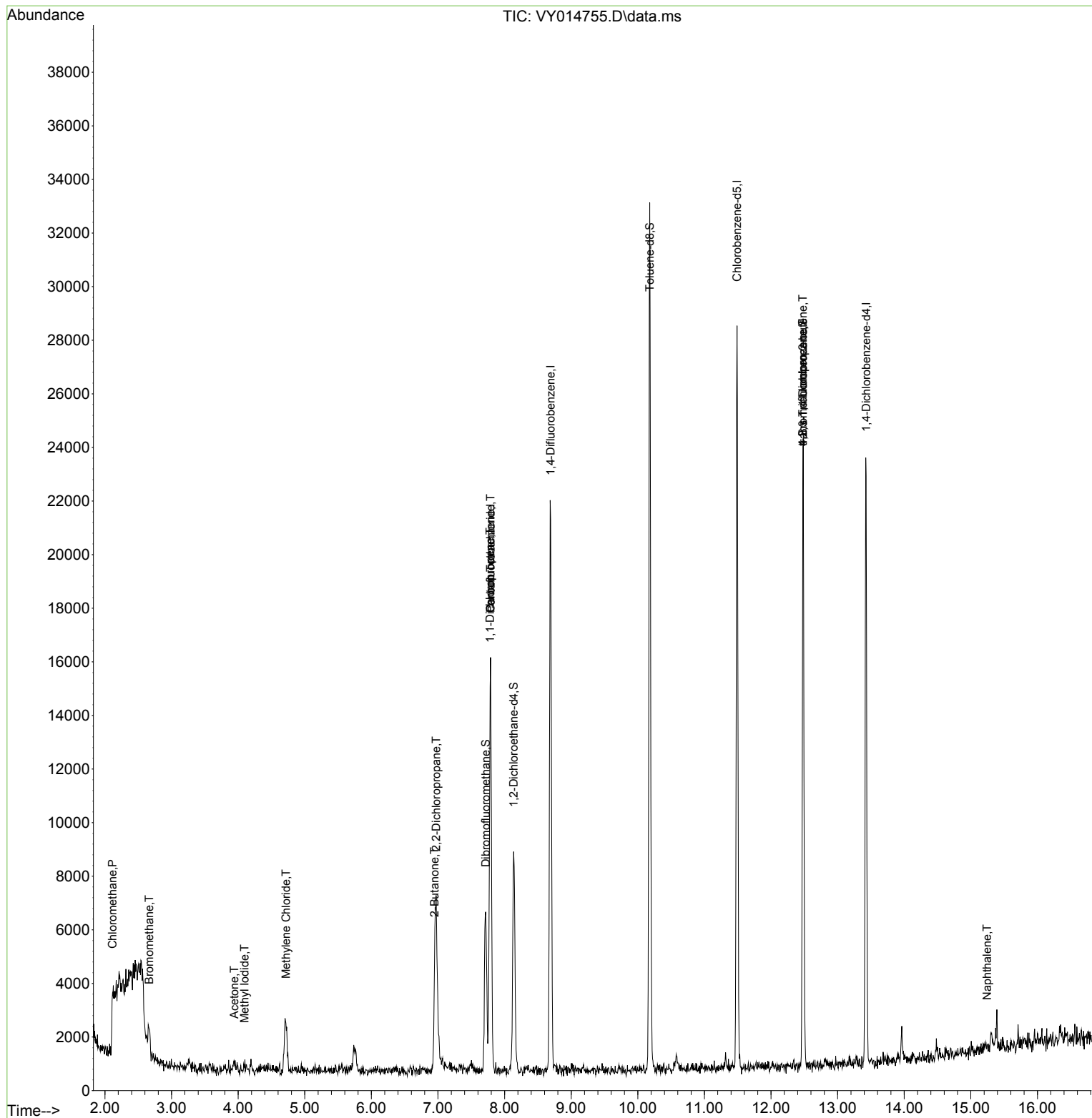
Internal Standards						
1) Pentafluorobenzene	7.789	168	11924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	18795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	16032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6511	47.918	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.840%
35) Dibromofluoromethane	7.715	113	4236	35.405	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.800%
50) Toluene-d8	10.178	98	21810	49.444	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.477	95	6949	41.085	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	416	3.809	ug/l #	63
5) Bromomethane	2.661	94	502	6.224	ug/l	99
10) Methyl Iodide	4.094	142	330	4.730	ug/l #	49
11) Tert butyl alcohol	4.942	59	20	Below Cal	#	89
16) Acetone	3.942	43	308	7.153	ug/l #	46
20) Methylene Chloride	4.716	84	1390	6.242	ug/l #	71
25) 2-Butanone	6.947	43	253	4.016	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	616	2.665	ug/l #	54
36) 1,1-Dichloropropene	7.782	75	911	5.092	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1305	6.900	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	3688	48.676	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3688	94.246	ug/l #	10
95) Naphthalene	15.245	128	301	1.065	ug/l #	69

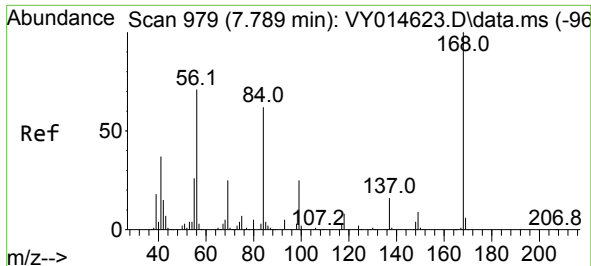
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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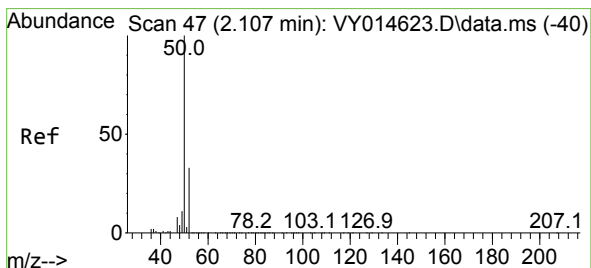
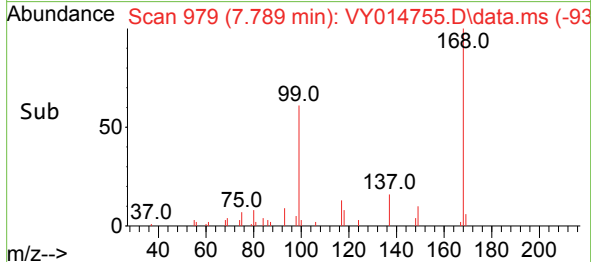
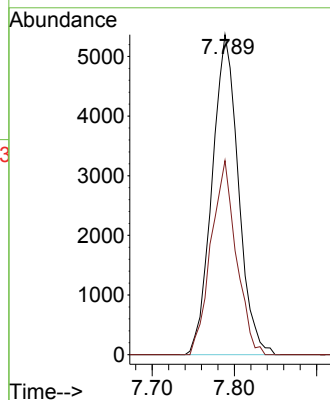
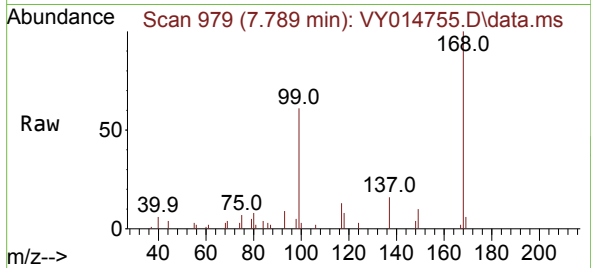




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

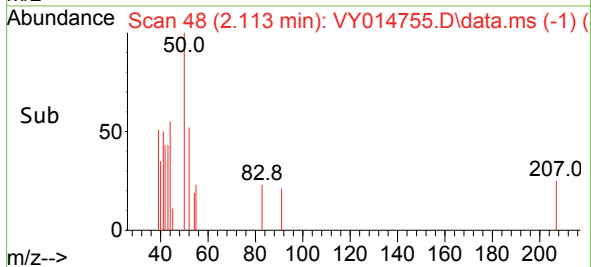
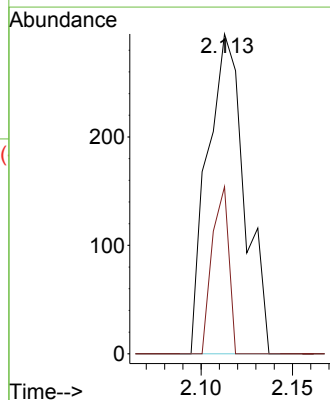
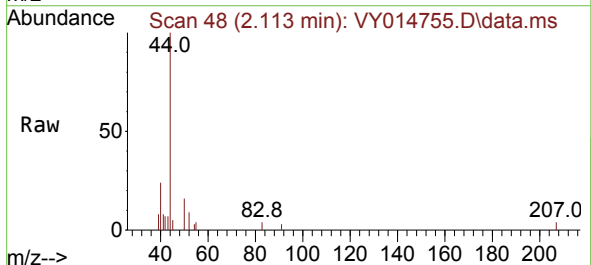
Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

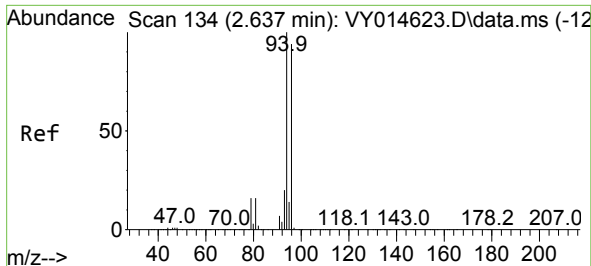
Tgt Ion:168 Resp: 11924
Ion Ratio Lower Upper
168 100
99 60.7 43.4 65.0



#3
Chloromethane
Concen: 3.809 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

Tgt Ion: 50 Resp: 416
Ion Ratio Lower Upper
50 100
52 52.2 25.4 38.2#

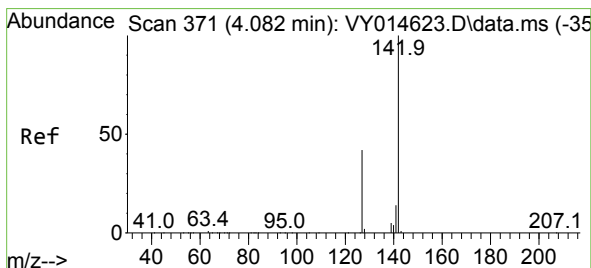
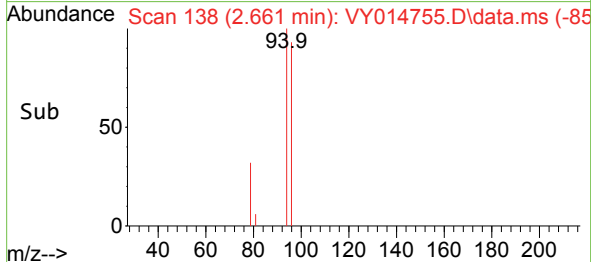
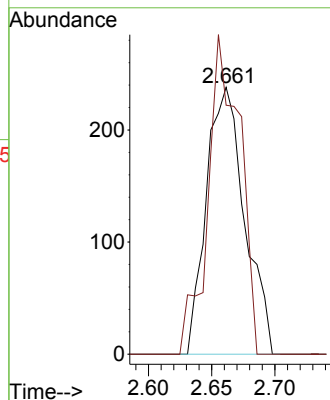
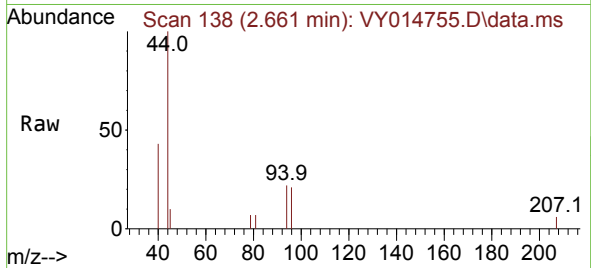




#5
Bromomethane
Concen: 6.224 ug/l
RT: 2.661 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

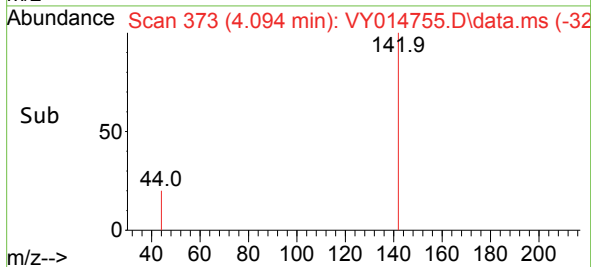
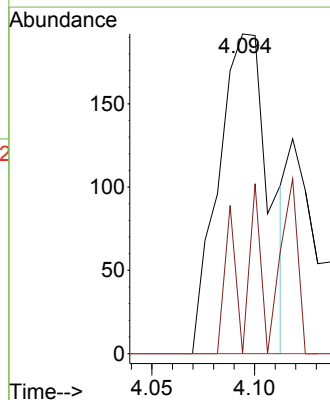
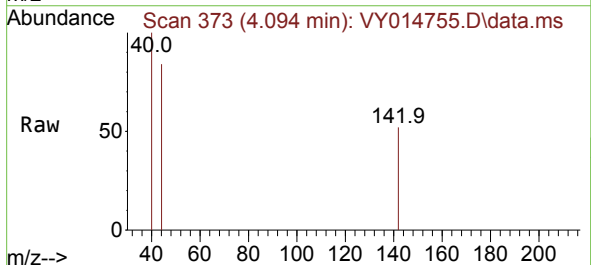
Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

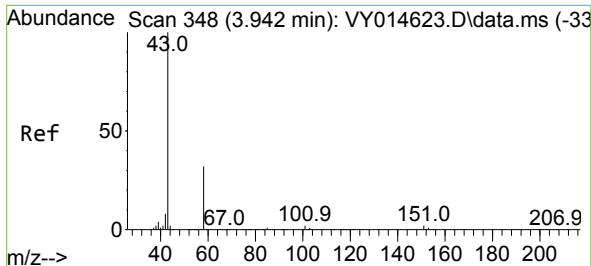
Tgt Ion: 94 Resp: 502
Ion Ratio Lower Upper
94 100
96 93.3 75.8 113.6



#10
Methyl Iodide
Concen: 4.730 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

Tgt Ion: 142 Resp: 330
Ion Ratio Lower Upper
142 100
127 10.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 7.153 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY014755.D

Acq: 21 Jul 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

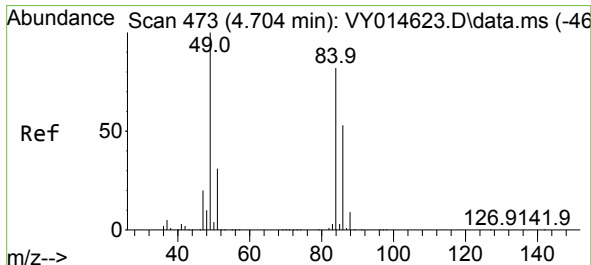
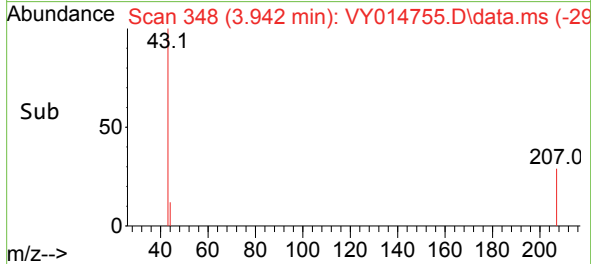
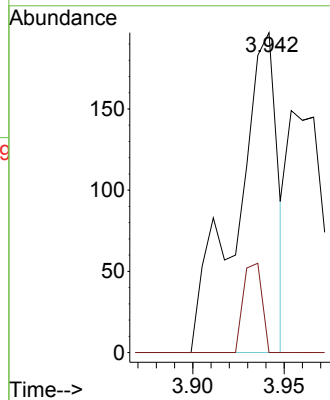
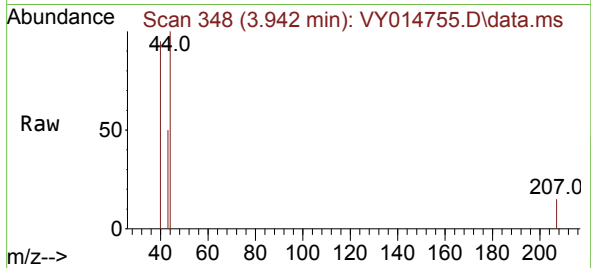
B-P20A

Tgt Ion: 43 Resp: 308

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 6.242 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY014755.D

Acq: 21 Jul 2023 18:29

Tgt Ion: 84 Resp: 1390

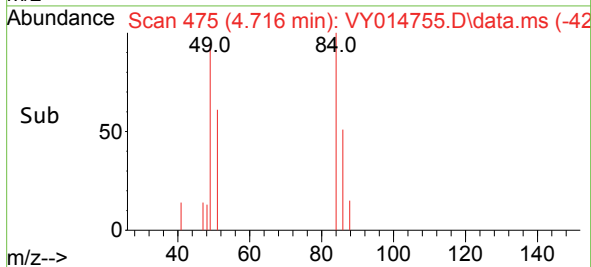
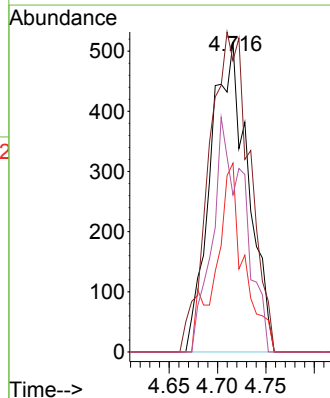
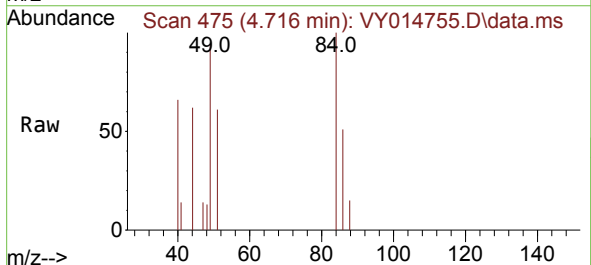
Ion Ratio Lower Upper

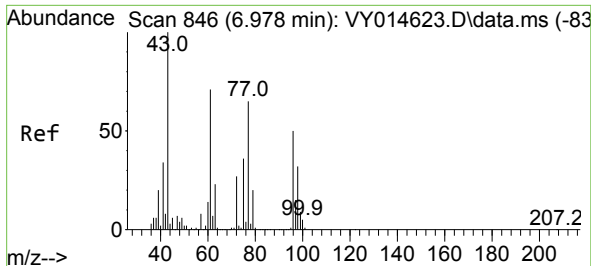
84 100

49 94.0 106.9 160.3#

51 61.0 33.2 49.8#

86 50.7 51.0 76.6#





#25

2-Butanone

Concen: 4.016 ug/l

RT: 6.947 min Scan# 84

Delta R.T. -0.031 min

Lab File: VY014755.D

Acq: 21 Jul 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

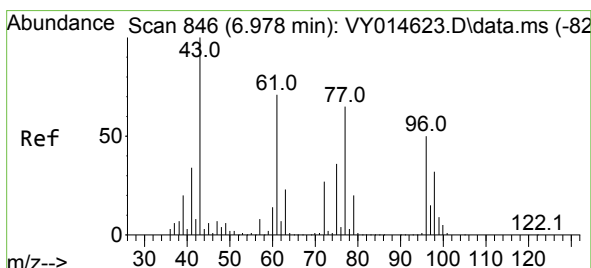
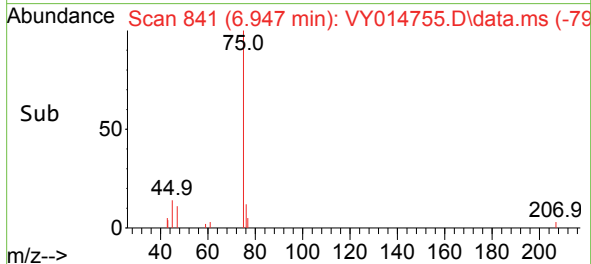
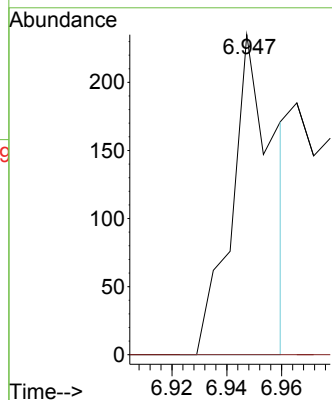
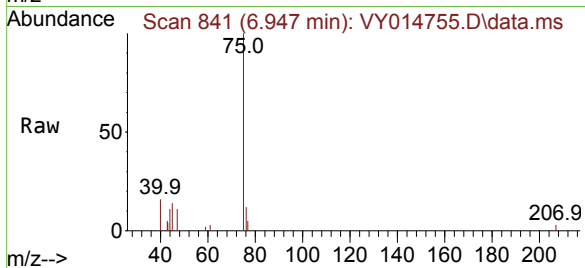
B-P20A

Tgt Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.665 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY014755.D

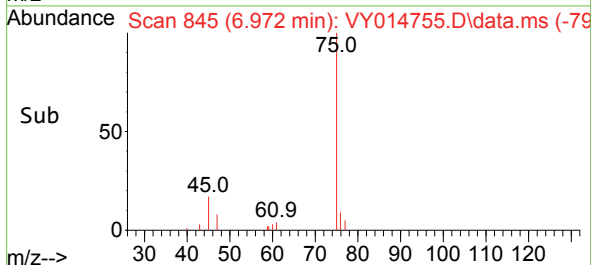
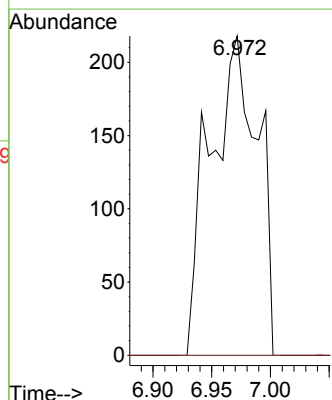
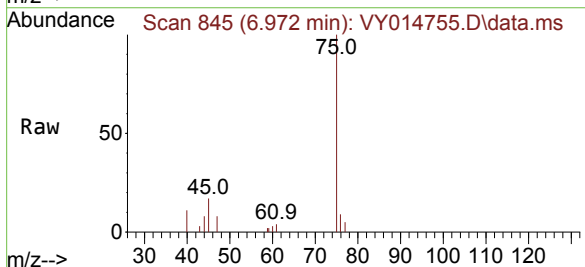
Acq: 21 Jul 2023 18:29

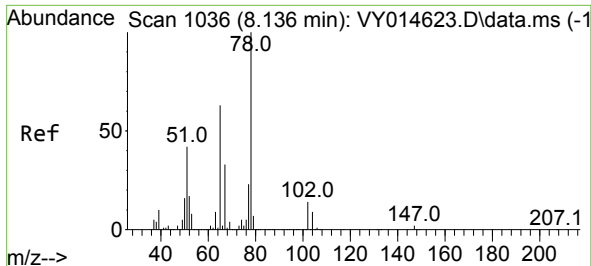
Tgt Ion: 77 Resp: 616

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 47.918 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014755.D

Acq: 21 Jul 2023 18:29

Instrument :

MSVOA_Y

ClientSampleId :

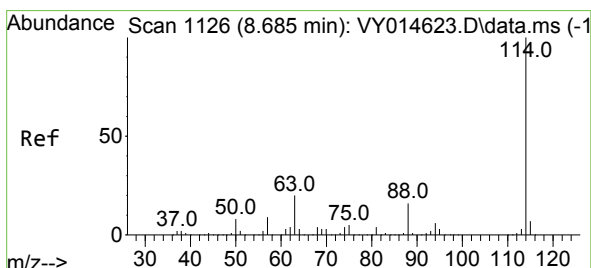
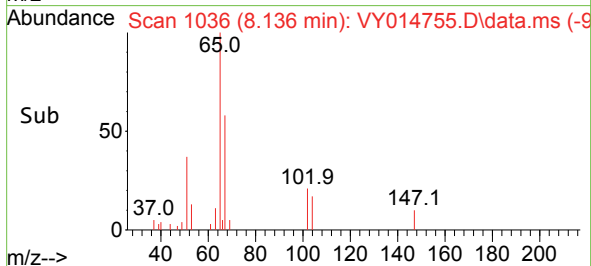
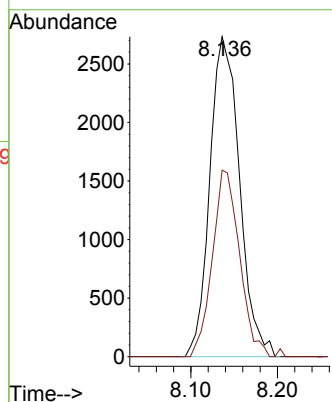
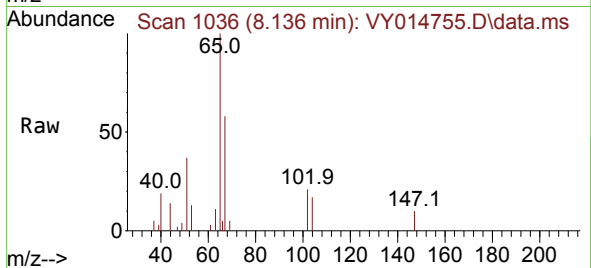
B-P20A

Tgt Ion: 65 Resp: 6511

Ion Ratio Lower Upper

65 100

67 53.4 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: VY014755.D

Acq: 21 Jul 2023 18:29

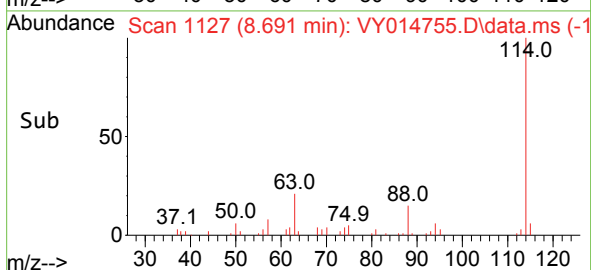
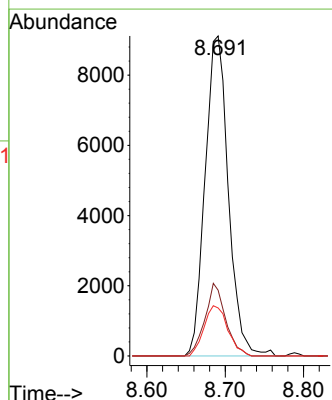
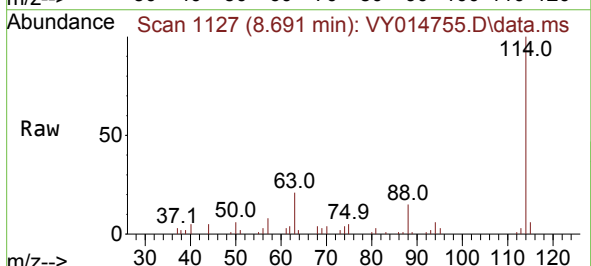
Tgt Ion: 114 Resp: 18795

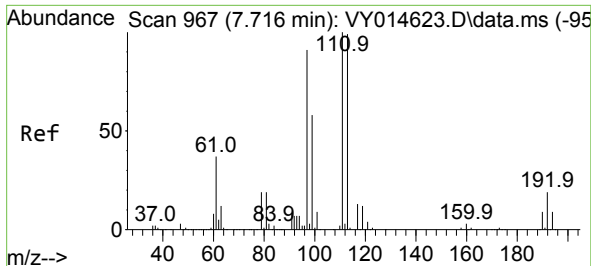
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 15.0 0.0 30.6

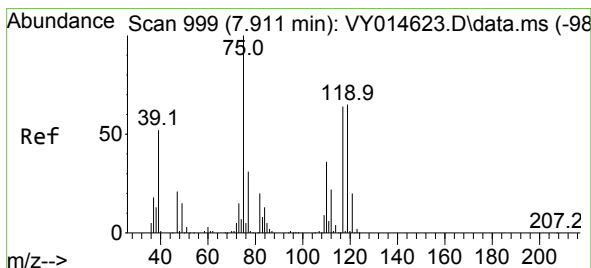
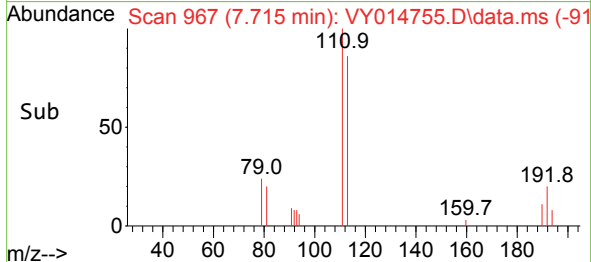
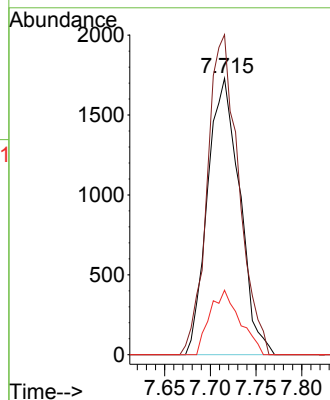
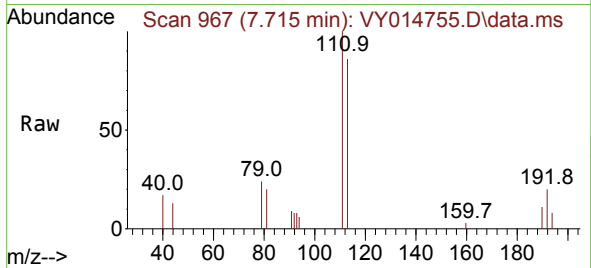




#35
Dibromofluoromethane
Concen: 35.405 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

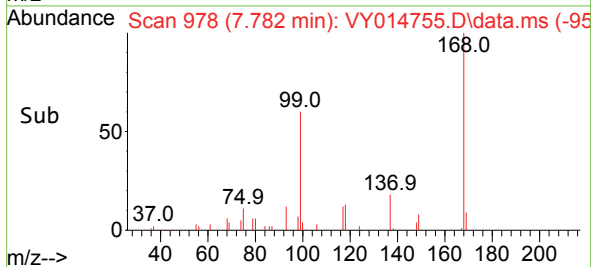
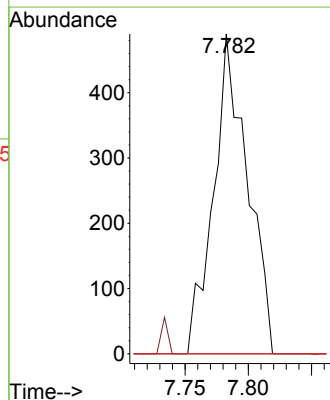
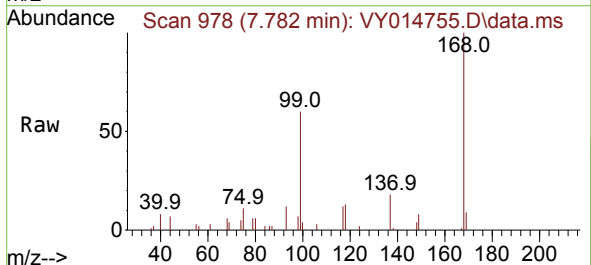
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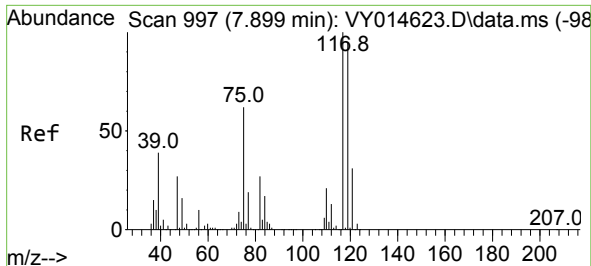
Tgt Ion:113 Resp: 4236
Ion Ratio Lower Upper
113 100
111 112.9 81.3 121.9
192 21.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.092 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.129 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

Tgt Ion: 75 Resp: 911
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

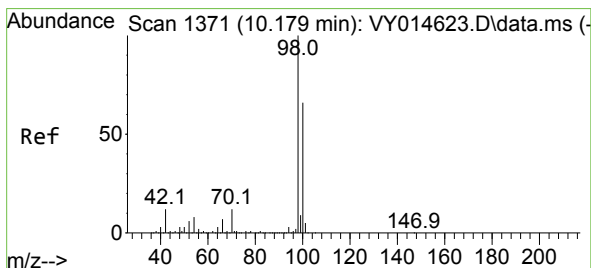
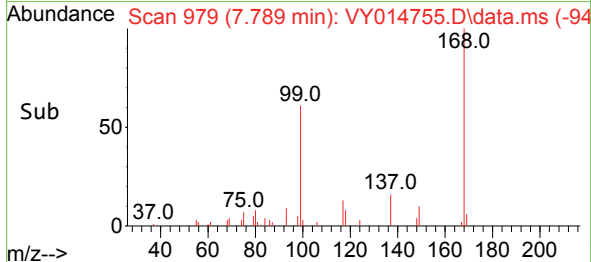
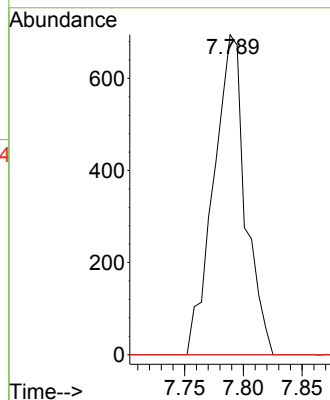
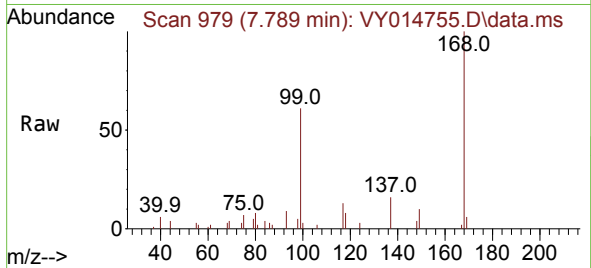




#38
Carbon Tetrachloride
Concen: 6.900 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

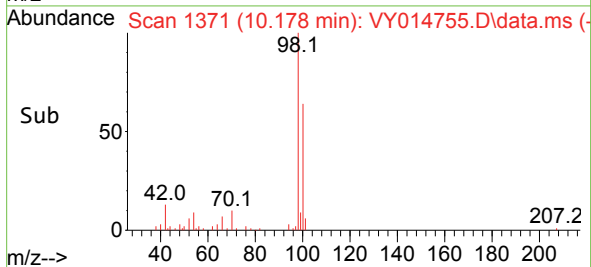
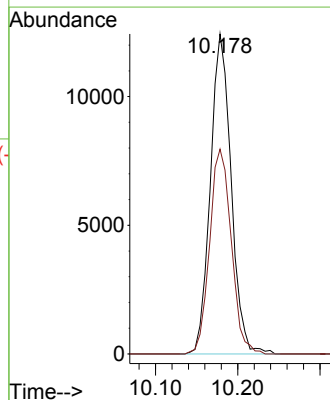
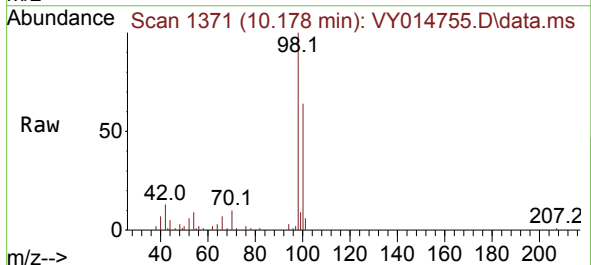
Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

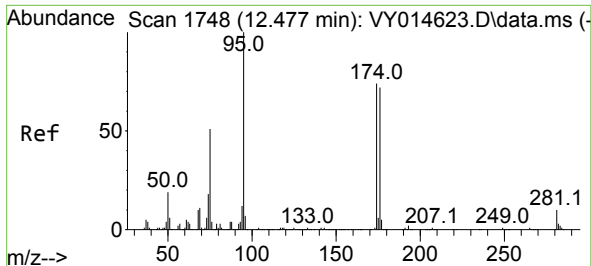
Tgt Ion:117 Resp: 1305
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.444 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

Tgt Ion: 98 Resp: 21810
Ion Ratio Lower Upper
98 100
100 66.7 50.1 75.1

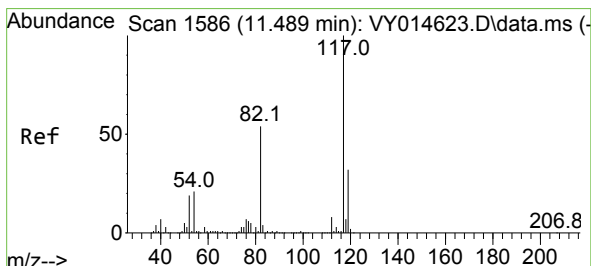
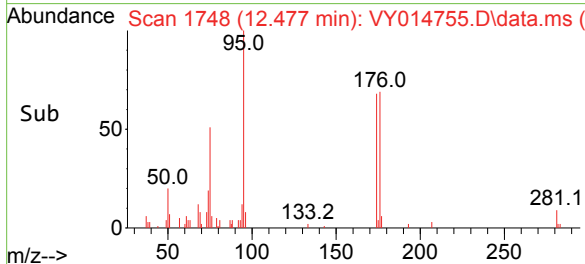
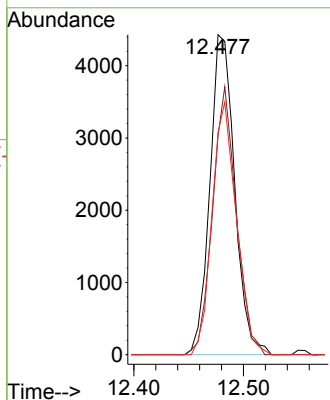
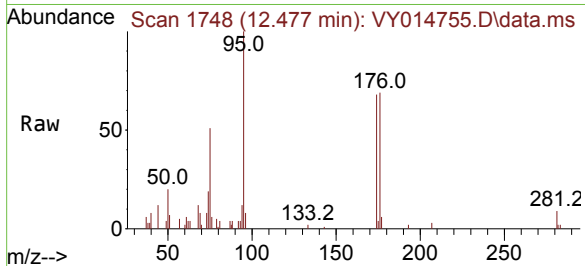




#62
4-Bromofluorobenzene
Concen: 41.085 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

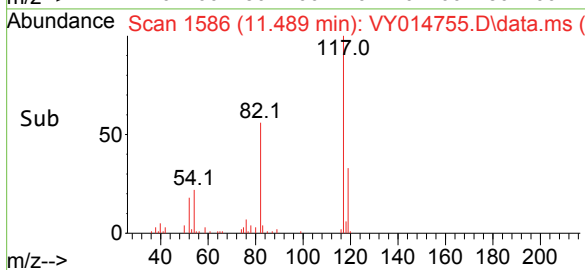
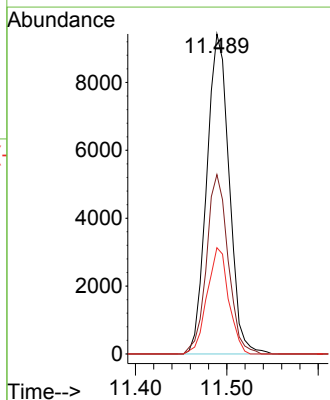
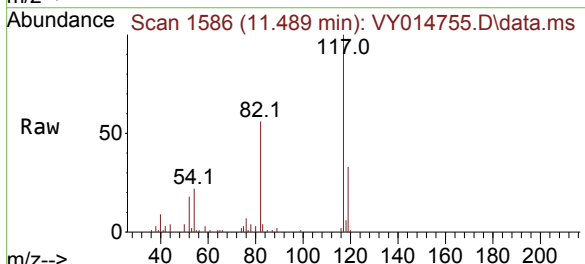
Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

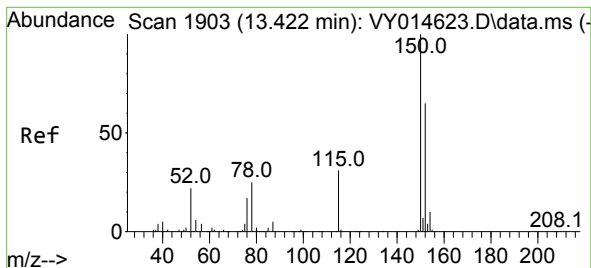
Tgt Ion: 95 Resp: 6949
Ion Ratio Lower Upper
95 100
174 80.3 0.0 178.2
176 77.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

Tgt Ion: 117 Resp: 16032
Ion Ratio Lower Upper
117 100
82 56.1 43.4 65.0
119 33.2 26.3 39.5

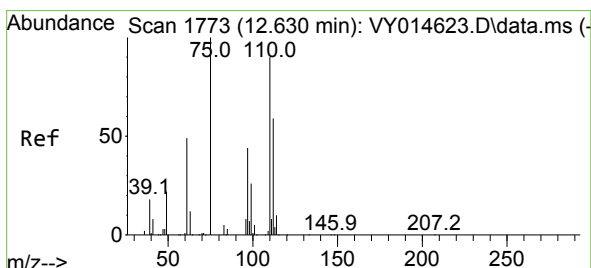
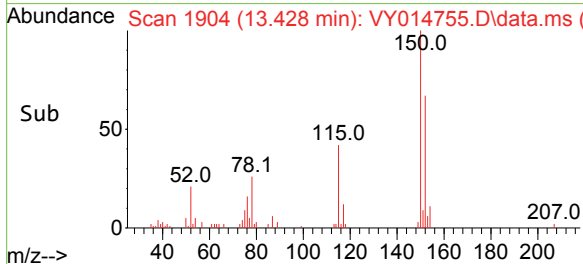
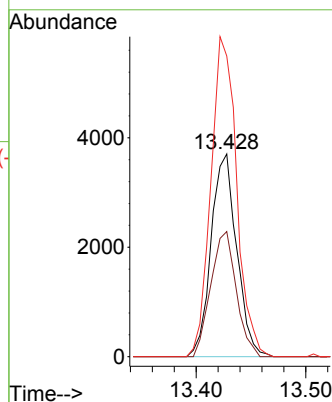
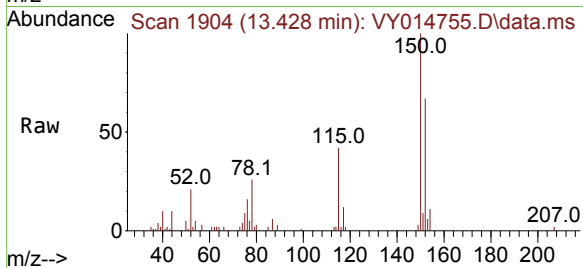




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY014755.D
 Acq: 21 Jul 2023 18:29

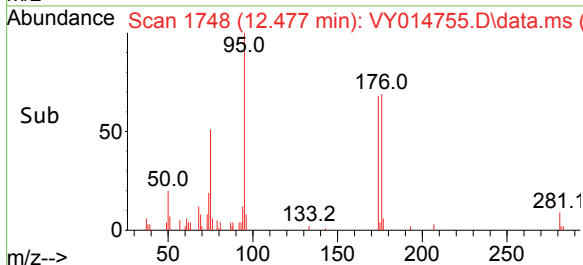
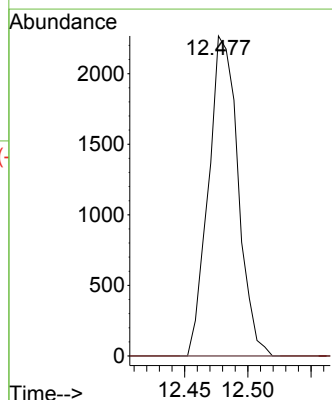
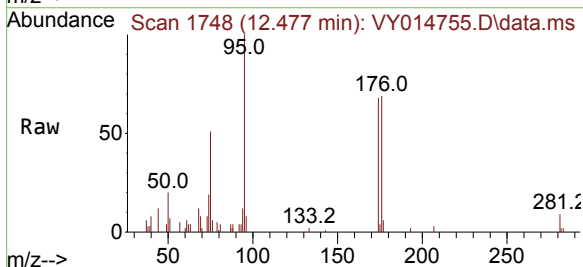
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P20A

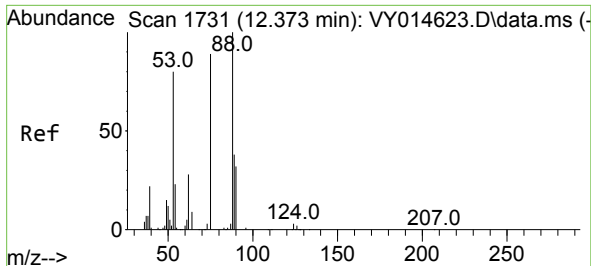
Tgt Ion:152 Resp: 5999
 Ion Ratio Lower Upper
 152 100
 115 61.6 28.8 86.5
 150 158.9 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 48.676 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014755.D
 Acq: 21 Jul 2023 18:29

Tgt Ion: 75 Resp: 3688
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

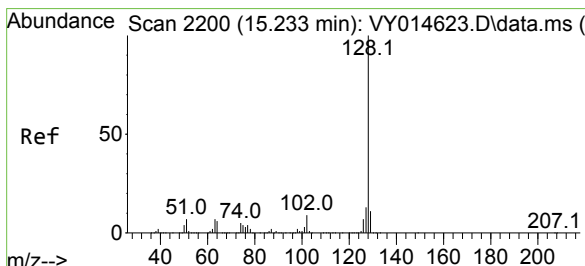
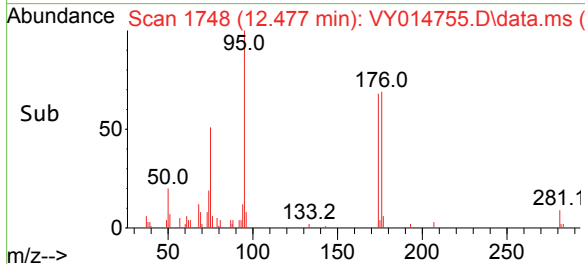
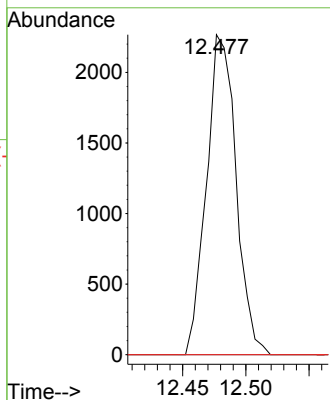
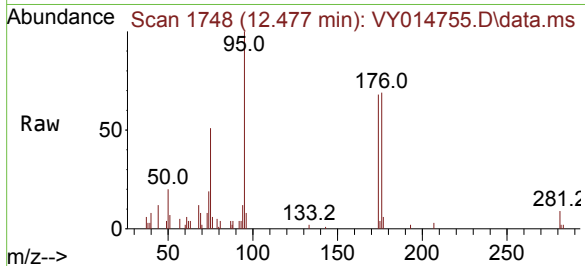




#81
trans-1,4-Dichloro-2-butene
Concen: 94.246 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

Tgt Ion: 75 Resp: 3688
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.065 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY014755.D
Acq: 21 Jul 2023 18:29

Tgt Ion: 128 Resp: 301
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

