

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014703.D
 Acq On : 18 Jul 2023 15:43
 Operator : SY/MD
 Sample : 03640-31
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP11

Quant Time: Jul 19 04:05:47 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)

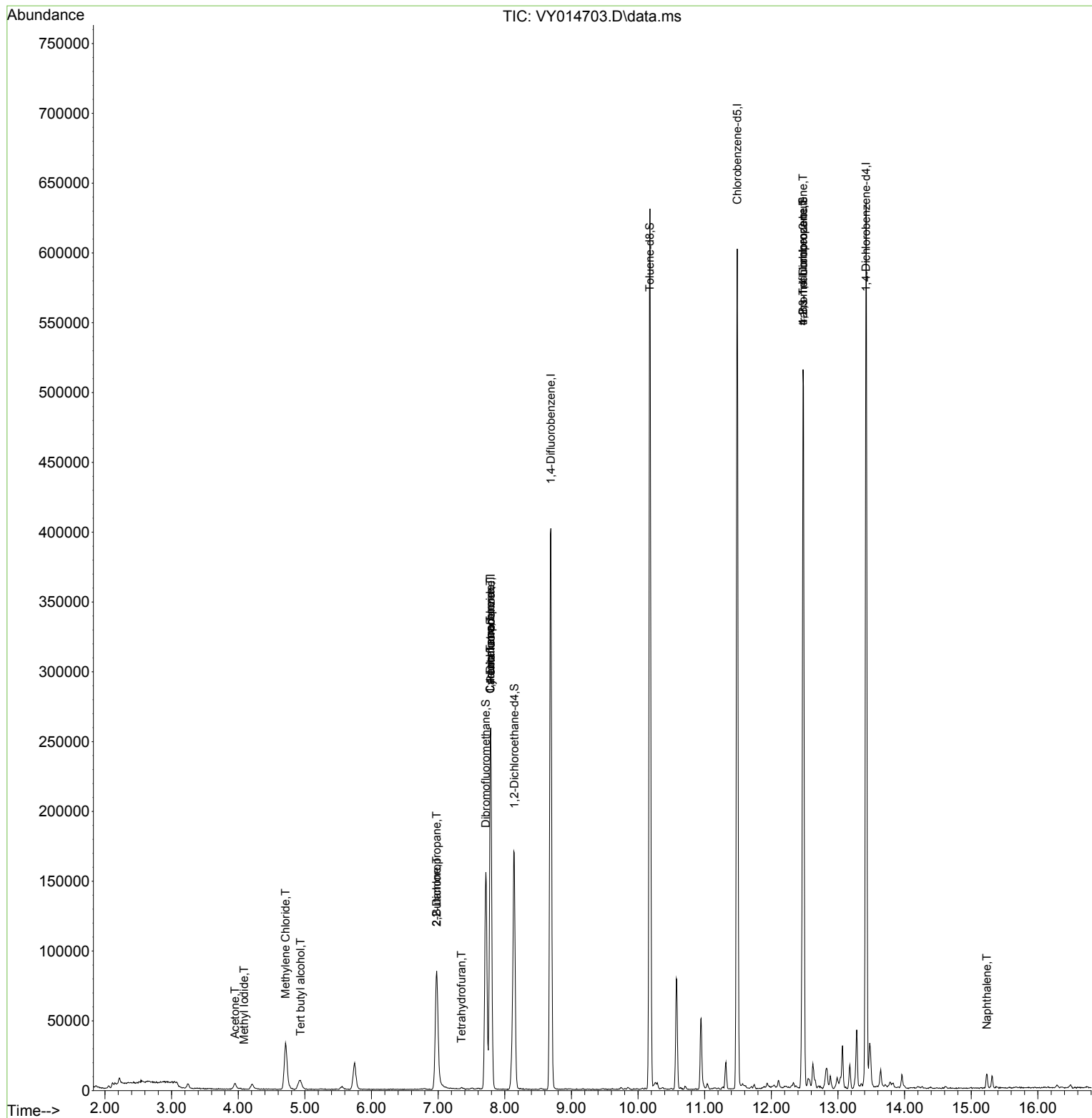
Internal Standards						
1) Pentafluorobenzene	7.789	168	202994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	356464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	127699	55.205	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.400%
35) Dibromofluoromethane	7.716	113	111652	49.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.400%
50) Toluene-d8	10.179	98	416383	49.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.540%
62) 4-Bromofluorobenzene	12.477	95	157521	49.105	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.220%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	93	2.409	ug/l #	38
11) Tert butyl alcohol	4.936	59	7422	3.789	ug/l #	94
16) Acetone	3.954	43	7056	9.626	ug/l	91
20) Methylene Chloride	4.710	84	24554	6.650	ug/l	89
25) 2-Butanone	6.978	43	5349	4.988	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	6399	1.626	ug/l #	54
29) Tetrahydrofuran	7.350	42	734	1.112	ug/l #	82
31) Cyclohexane	7.783	56	4449	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15405	4.540	ug/l #	50
38) Carbon Tetrachloride	7.783	117	20934	5.836	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	81344	40.745	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	81344	78.889	ug/l #	11
95) Naphthalene	15.233	128	8546	1.147	ug/l	97

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

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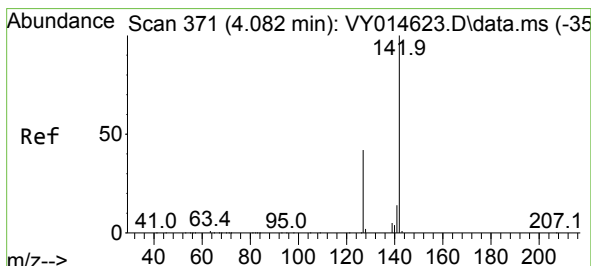
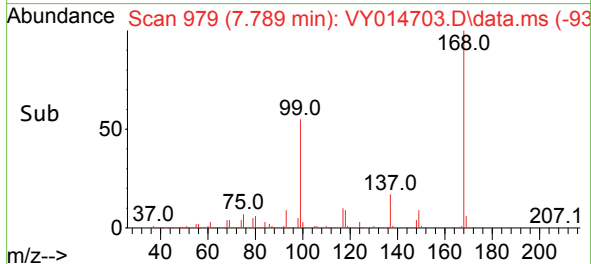
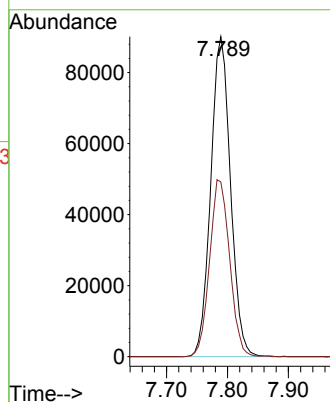
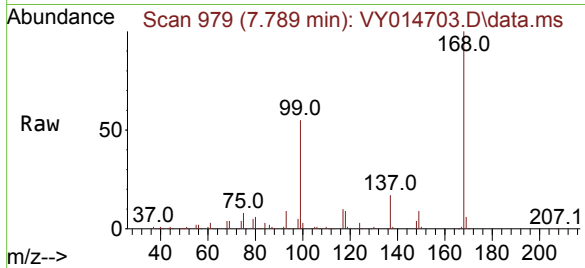




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

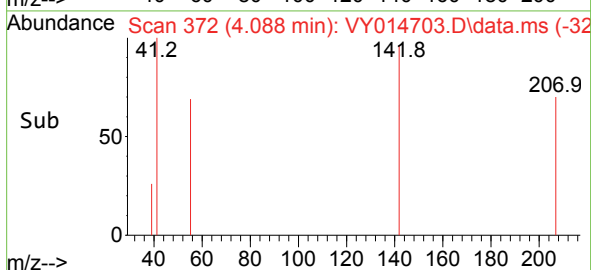
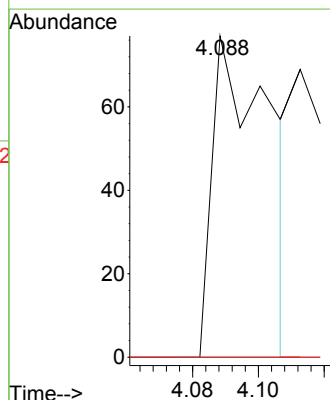
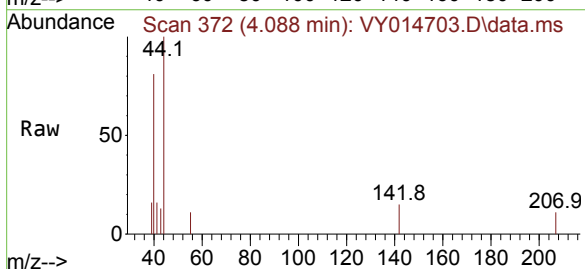
Instrument :
MSVOA_Y
ClientSampleId :
TP11

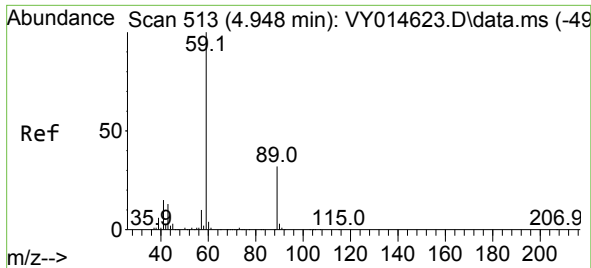
Tgt Ion:168 Resp: 202994
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.409 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

Tgt Ion:142 Resp: 93
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

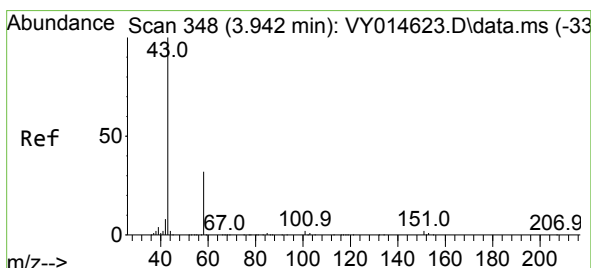
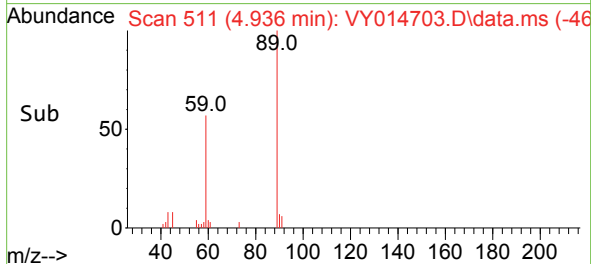
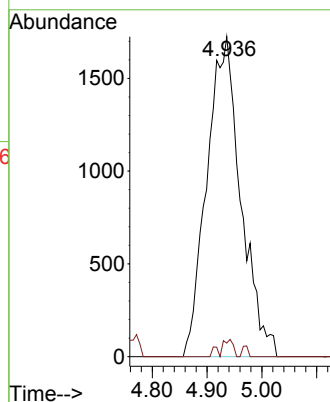
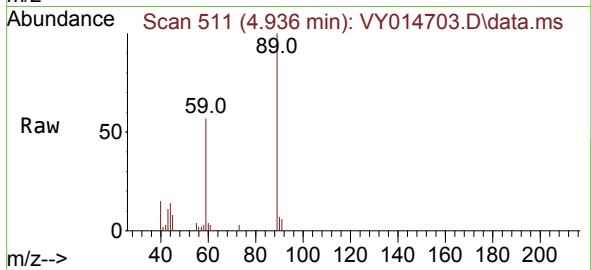




#11
Tert butyl alcohol
Concen: 3.789 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

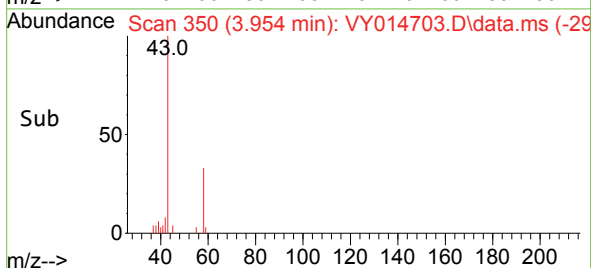
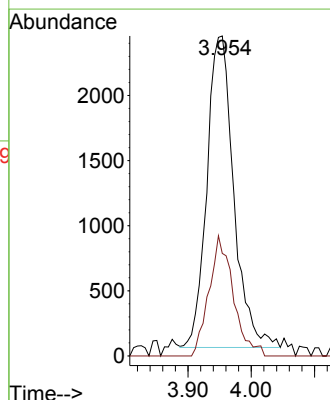
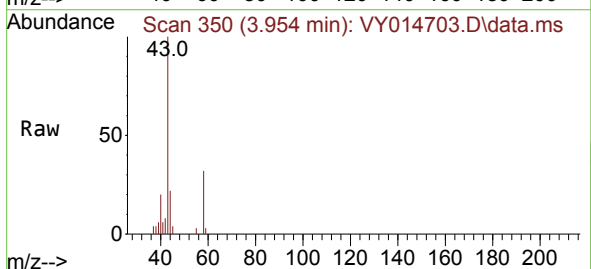
Instrument :
MSVOA_Y
ClientSampleId :
TP11

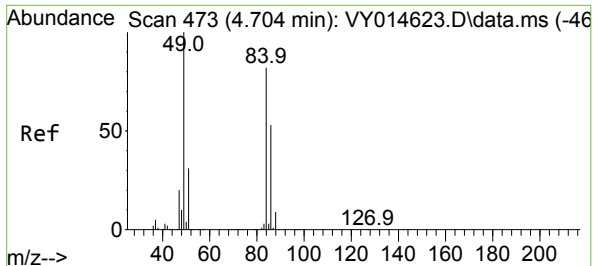
Tgt Ion: 59 Resp: 7422
Ion Ratio Lower Upper
59 100
57 1.6 3.0 4.4#



#16
Acetone
Concen: 9.626 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

Tgt Ion: 43 Resp: 7056
Ion Ratio Lower Upper
43 100
58 32.9 22.7 34.1

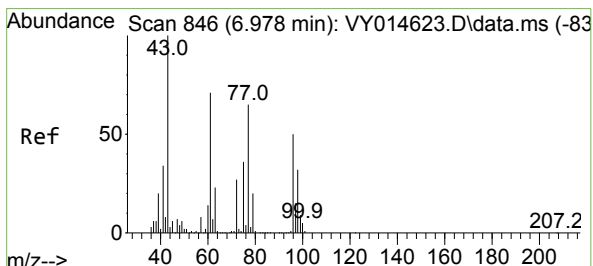
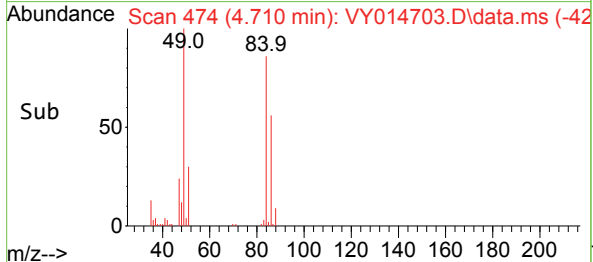
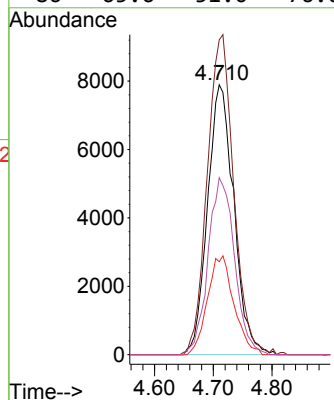
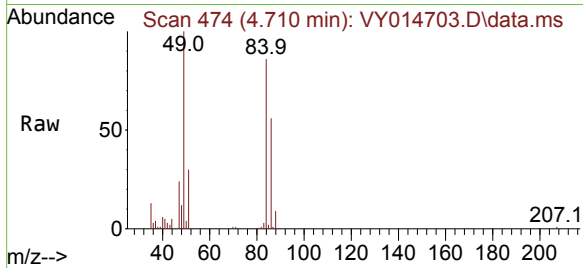




#20
Methylene Chloride
Concen: 6.650 ug/l
RT: 4.710 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

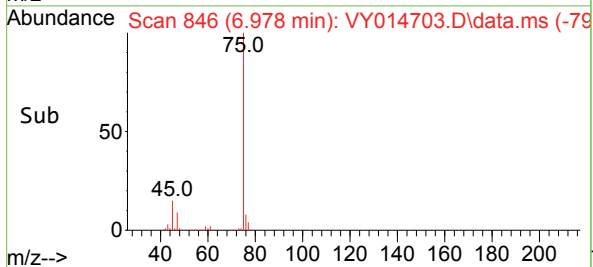
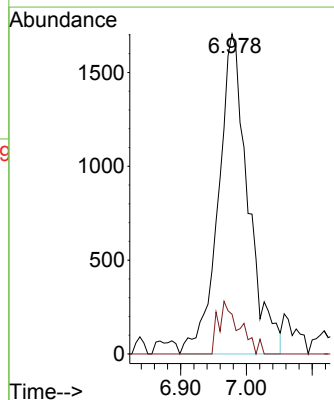
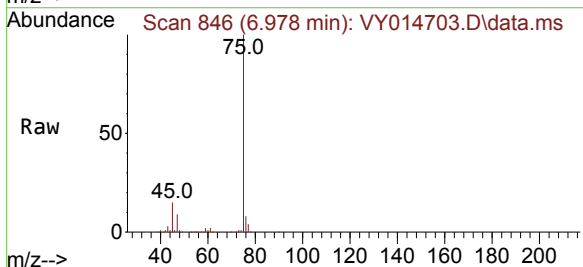
Instrument :
MSVOA_Y
ClientSampleId :
TP11

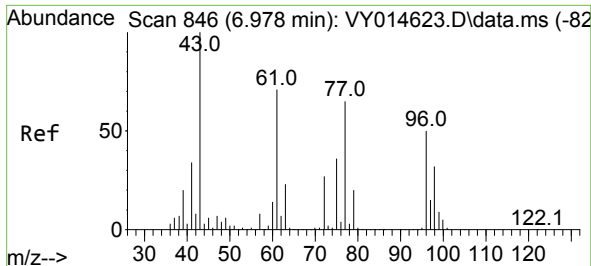
Tgt Ion:	84	Resp:	24554
Ion	Ratio	Lower	Upper
84	100		
49	116.7	106.9	160.3
51	34.4	33.2	49.8
86	65.6	51.0	76.6



#25
2-Butanone
Concen: 4.988 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

Tgt Ion:	43	Resp:	5349
Ion	Ratio	Lower	Upper
43	100		
72	12.4	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.626 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014703.D

Acq: 18 Jul 2023 15:43

Instrument :

MSVOA_Y

ClientSampleId :

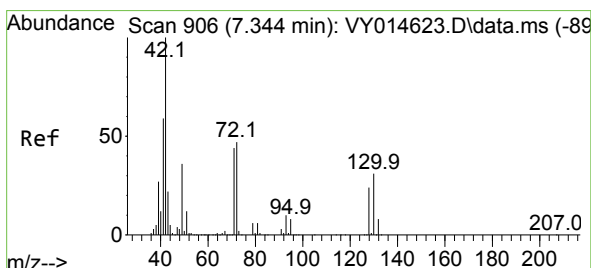
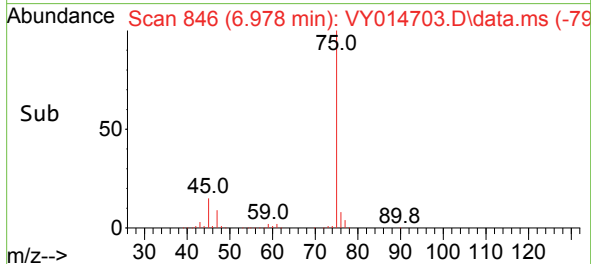
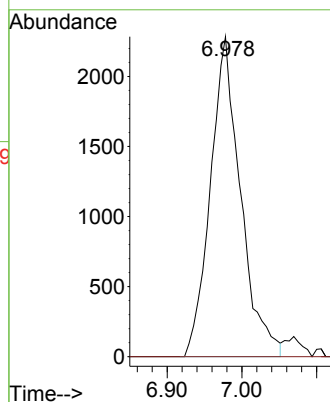
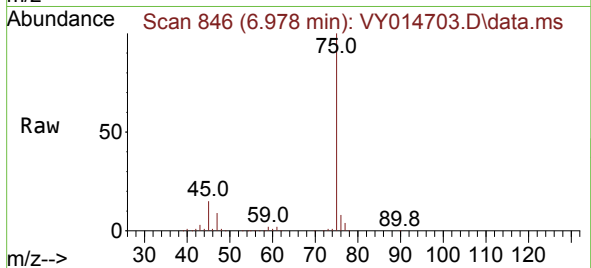
TP11

Tgt Ion: 77 Resp: 6399

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.112 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014703.D

Acq: 18 Jul 2023 15:43

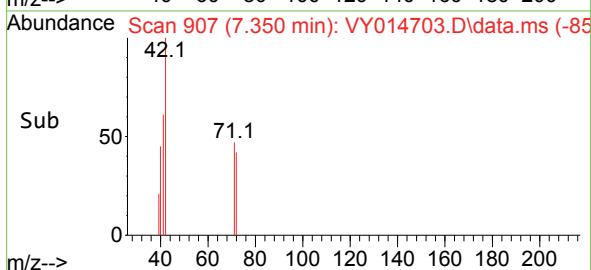
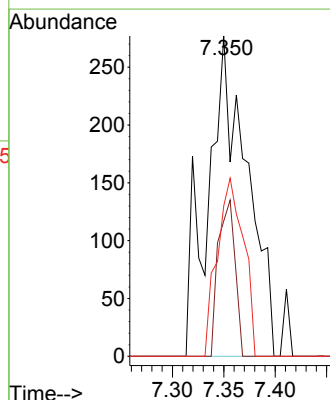
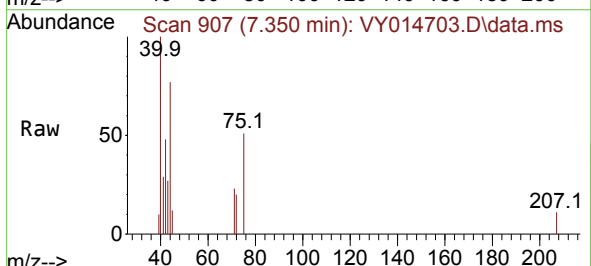
Tgt Ion: 42 Resp: 734

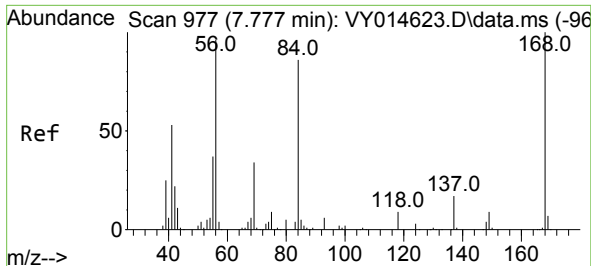
Ion Ratio Lower Upper

42 100

72 20.8 32.8 49.2#

71 37.3 31.0 46.4

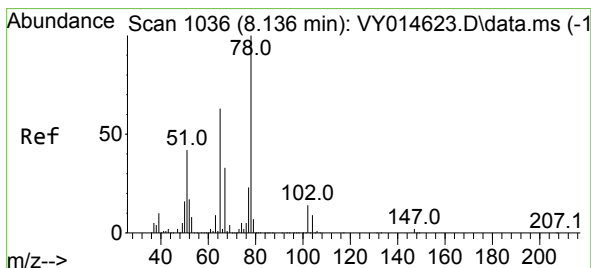
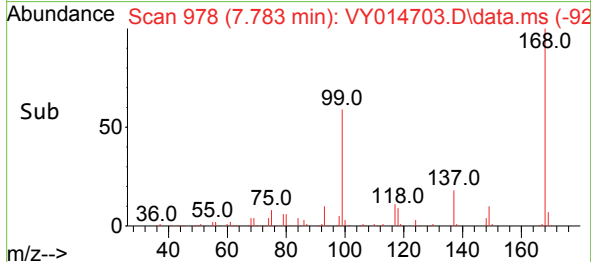
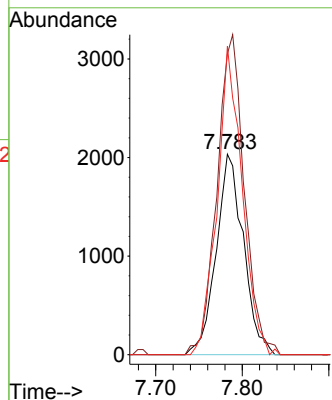
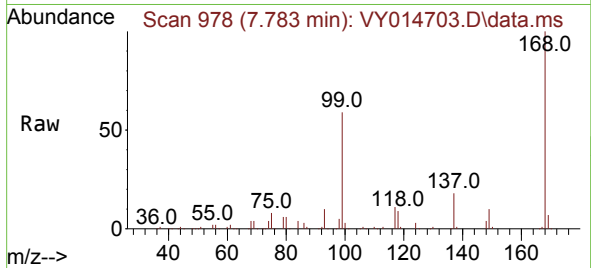




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

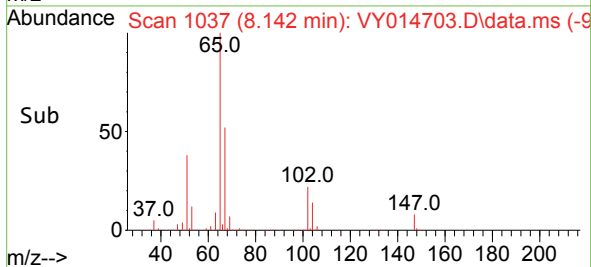
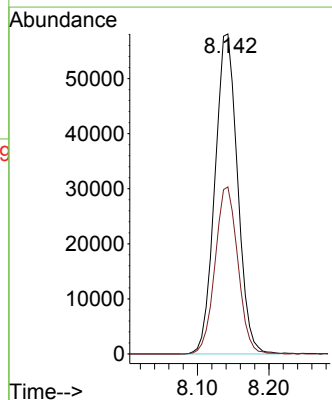
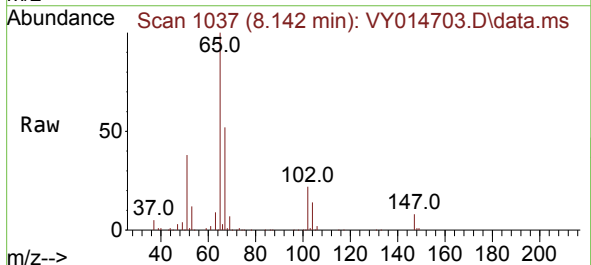
Instrument :
MSVOA_Y
ClientSampleId :
TP11

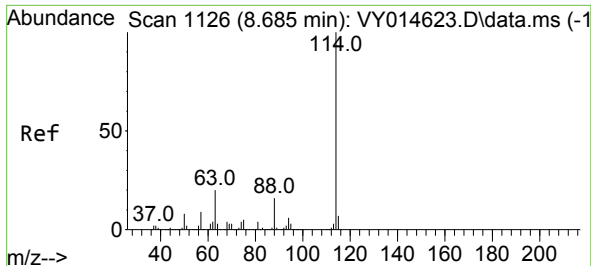
Tgt Ion: 56 Resp: 4449
Ion Ratio Lower Upper
56 100
69 150.0 27.8 41.6#
84 154.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.205 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

Tgt Ion: 65 Resp: 127699
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014703.D

Acq: 18 Jul 2023 15:43

Instrument :

MSVOA_Y

ClientSampleId :

TP11

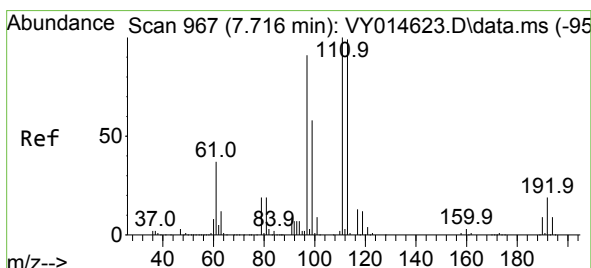
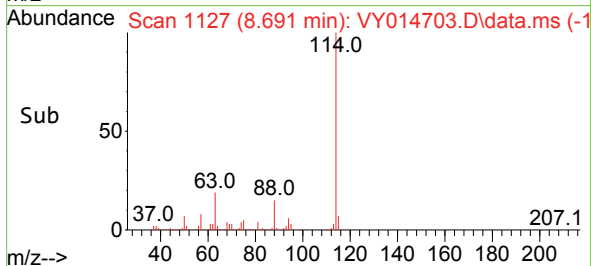
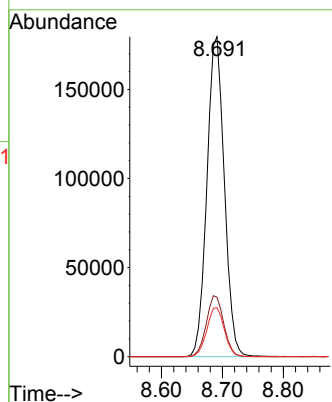
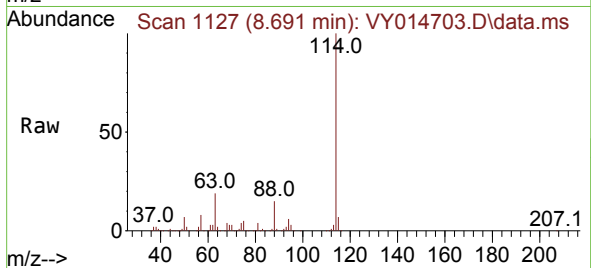
Tgt Ion:114 Resp: 356464

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.204 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014703.D

Acq: 18 Jul 2023 15:43

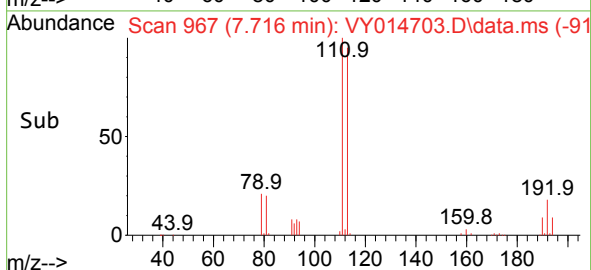
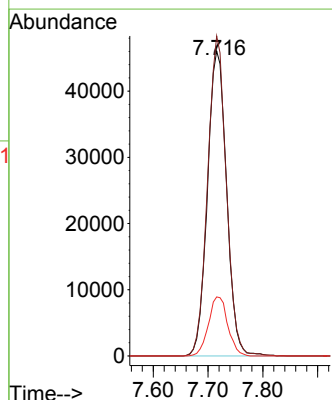
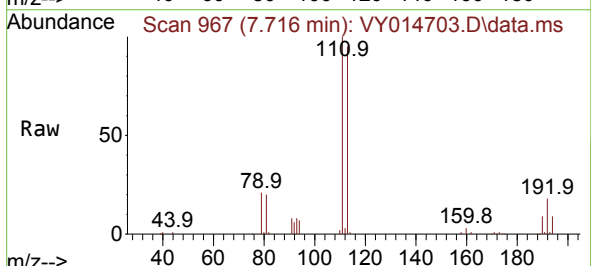
Tgt Ion:113 Resp: 111652

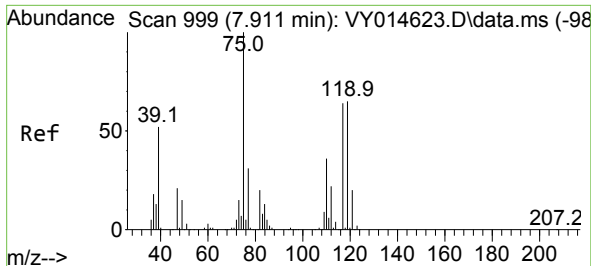
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 19.5 16.9 25.3

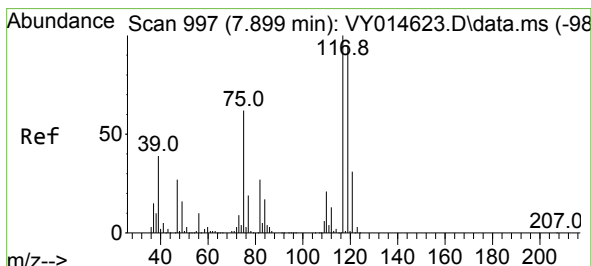
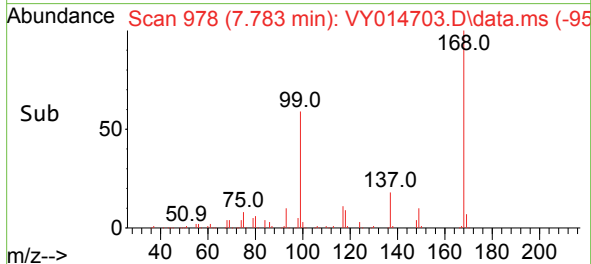
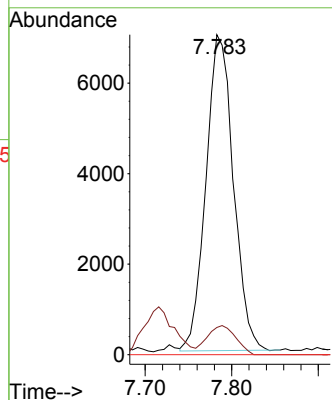
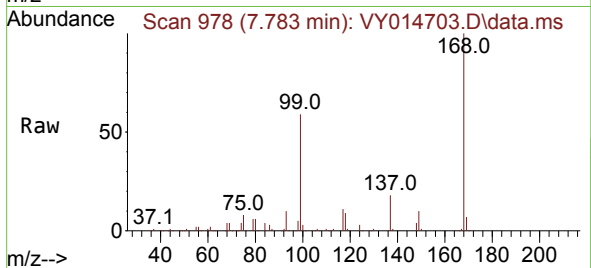




#36
1,1-Dichloropropene
Concen: 4.540 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

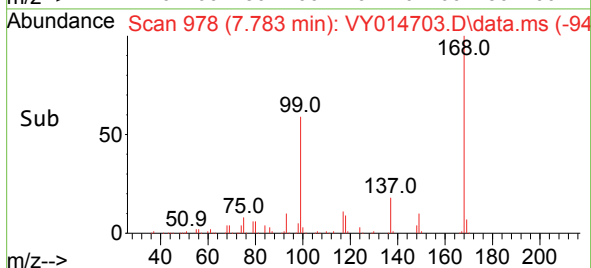
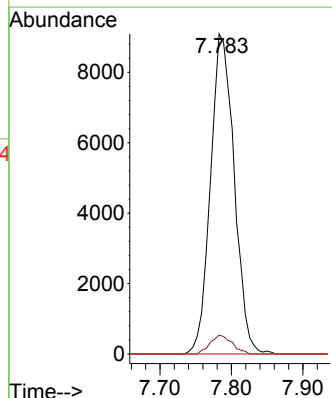
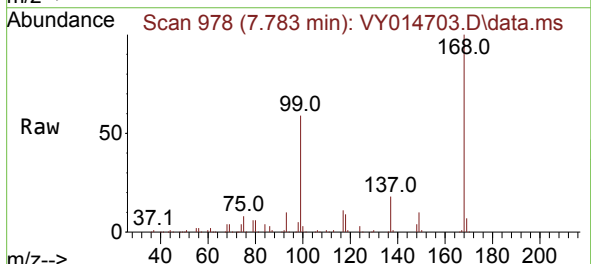
Instrument :
MSVOA_Y
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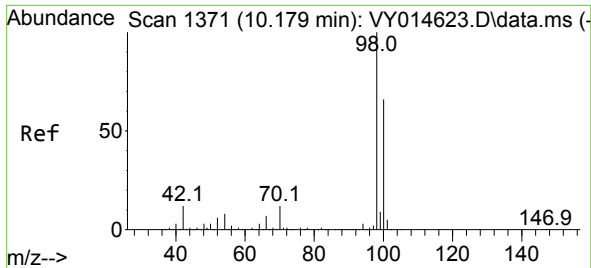
Tgt Ion: 75 Resp: 15405
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.836 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

Tgt Ion: 117 Resp: 20934
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#

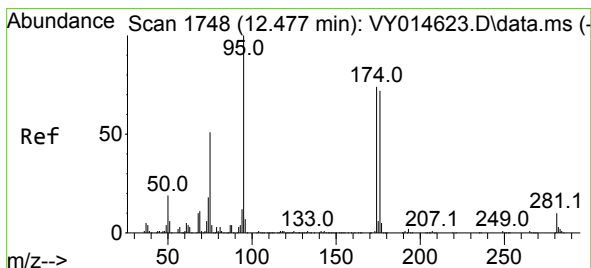
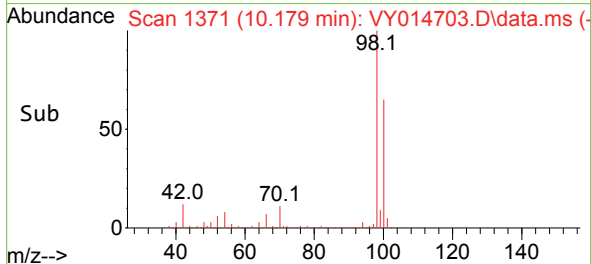
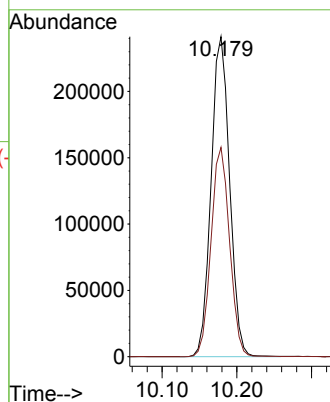
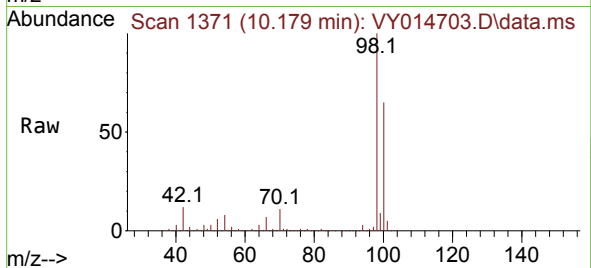




#50
Toluene-d8
Concen: 49.771 ug/l
RT: 10.179 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

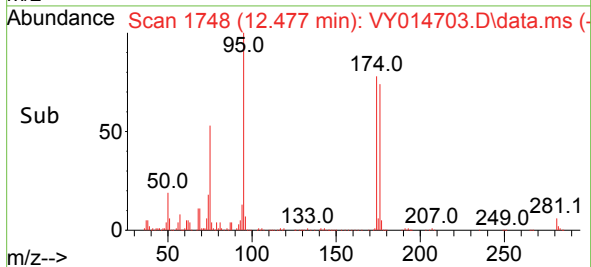
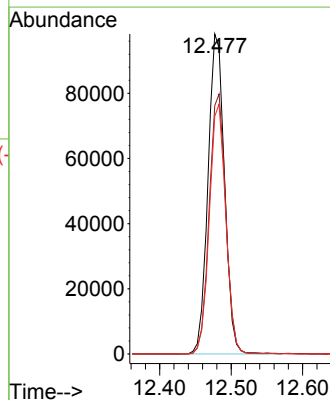
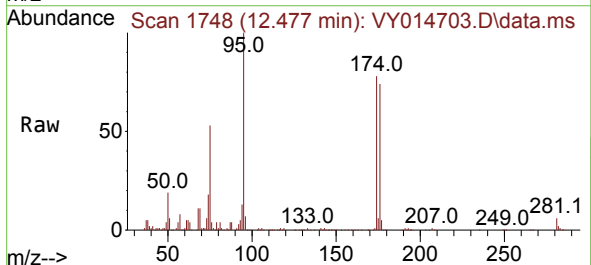
Instrument :
MSVOA_Y
ClientSampleId :
TP11

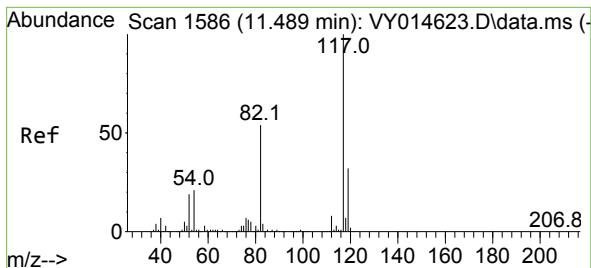
Tgt Ion: 98 Resp: 416383
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.105 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

Tgt Ion: 95 Resp: 157521
Ion Ratio Lower Upper
95 100
174 81.6 0.0 178.2
176 77.7 0.0 173.8

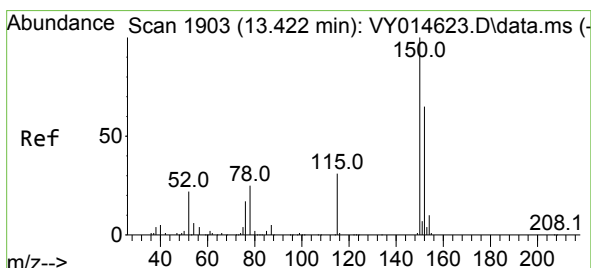
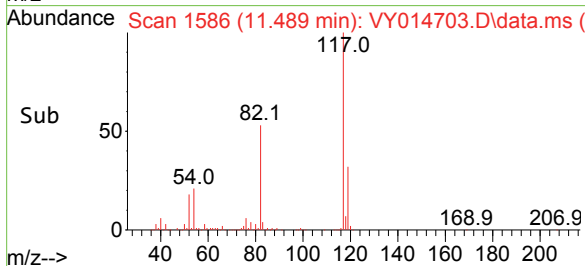
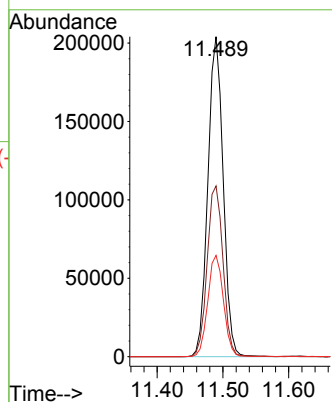
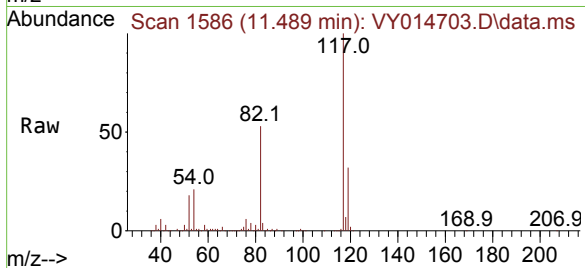




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

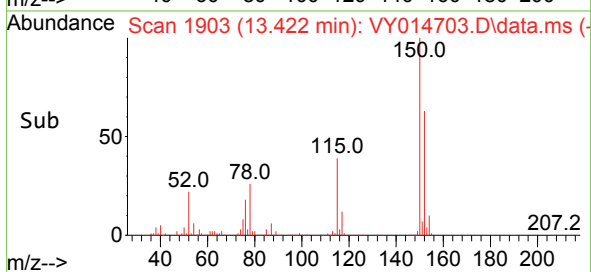
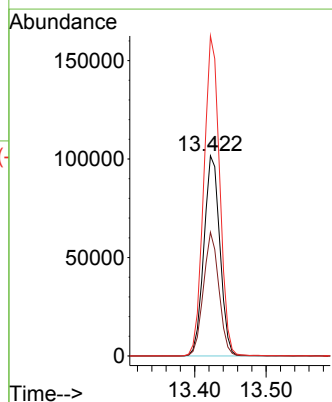
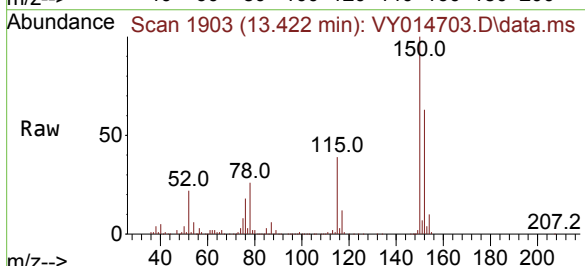
Instrument :
MSVOA_Y
ClientSampleId :
TP11

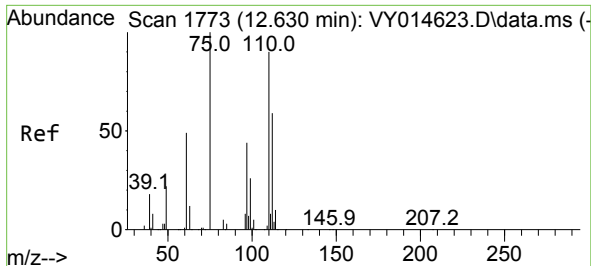
Tgt Ion:117 Resp: 330419
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

Tgt Ion:152 Resp: 158074
Ion Ratio Lower Upper
152 100
115 59.8 28.8 86.5
150 158.6 0.0 348.8

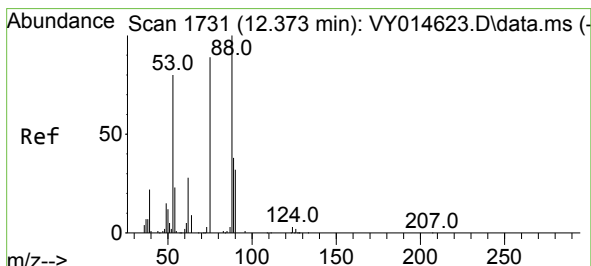
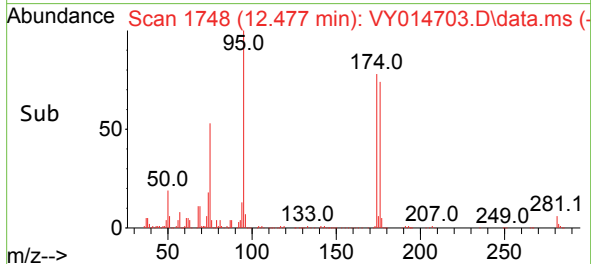
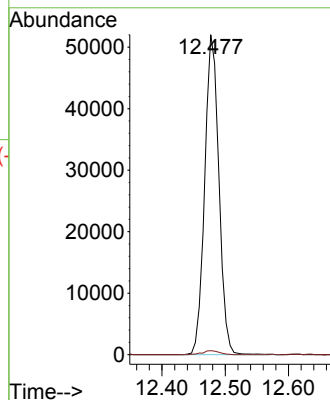
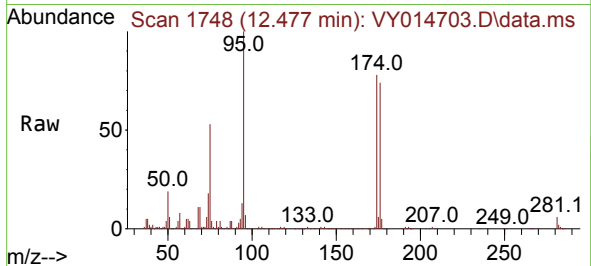




#76
1,2,3-Trichloropropane
Concen: 40.745 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

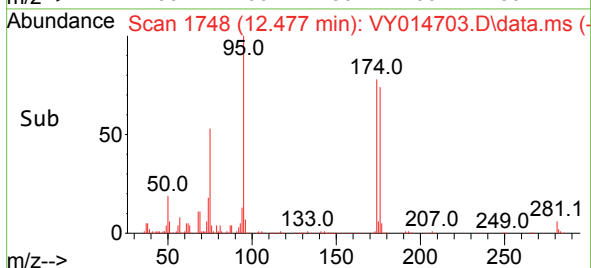
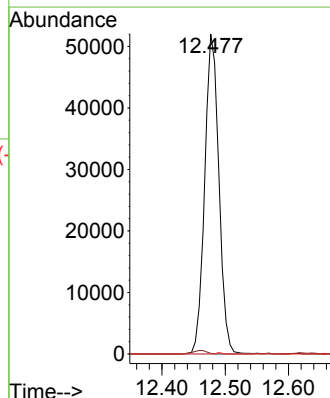
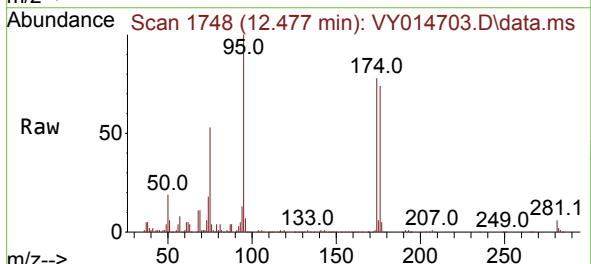
Instrument :
MSVOA_Y
ClientSampleId :
TP11

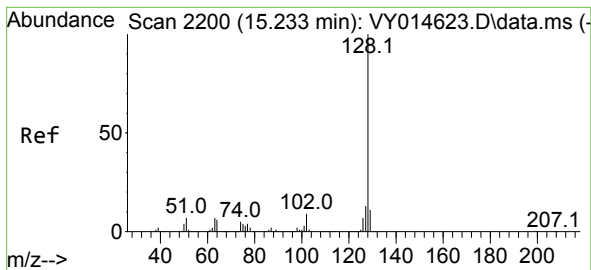
Tgt Ion: 75 Resp: 81344
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.889 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014703.D
Acq: 18 Jul 2023 15:43

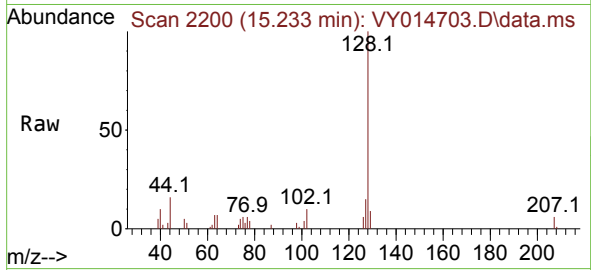
Tgt Ion: 75 Resp: 81344
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#95
 Naphthalene
 Concen: 1.147 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY014703.D
 Acq: 18 Jul 2023 15:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP11



Tgt Ion:128 Resp: 8546
 Ion Ratio Lower Upper
 128 100
 127 14.9 10.8 16.2
 129 10.2 8.6 13.0

