

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062124\
 Data File : VY018666.D
 Acq On : 21 Jun 2024 13:43
 Operator : SY/MD
 Sample : P2995-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 21 22:59:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

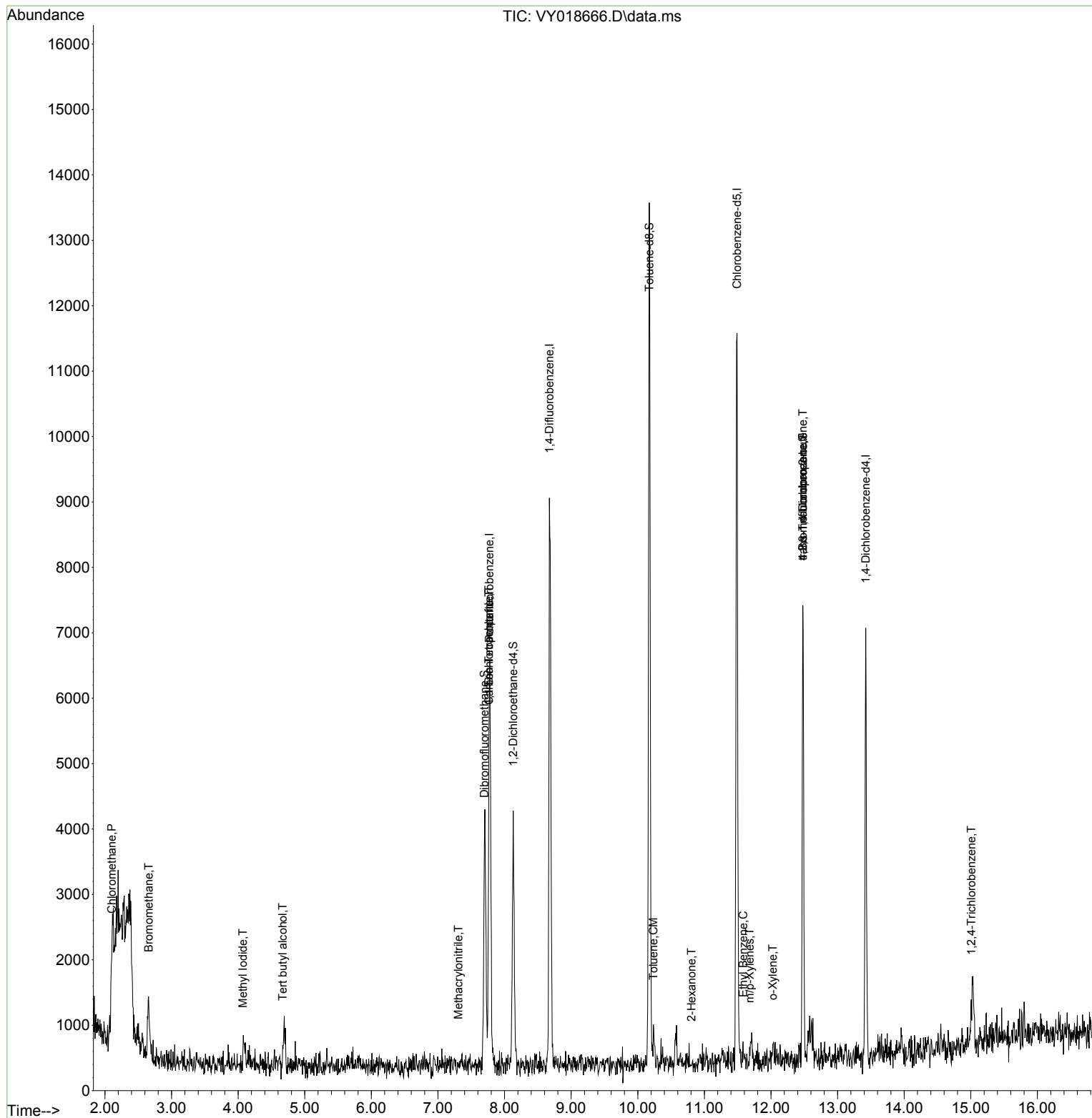
Internal Standards						
1) Pentafluorobenzene	7.771	168	5615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.673	114	8501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	6983	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	2736	48.398	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.800%
35) Dibromofluoromethane	7.698	113	2836	54.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.380%
50) Toluene-d8	10.173	98	9555	47.913	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.477	95	2267	35.999	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	322	4.228	ug/l #	87
5) Bromomethane	2.656	94	725	10.341	ug/l #	42
10) Methyl Iodide	4.070	142	452	7.640	ug/l #	77
11) Tert butyl alcohol	4.668	59	28	2.754	ug/l #	88
20) Methylene Chloride	4.686	84	395	Below Cal	#	63
36) 1,1-Dichloropropene	7.765	75	436	6.108	ug/l #	40
38) Carbon Tetrachloride	7.765	117	530	7.077	ug/l #	13
41) Methacrylonitrile	7.307	41	29	1.714	ug/l #	15
52) Toluene	10.234	92	181	1.277	ug/l #	40
59) 2-Hexanone	10.807	43	34	1.467	ug/l #	19
67) Ethyl Benzene	11.581	91	276	1.103	ug/l #	44
68) m/p-Xylenes	11.679	106	220	2.259	ug/l #	1
69) o-Xylene	12.026	106	108	1.153	ug/l	82
76) 1,2,3-Trichloropropane	12.477	75	1192	66.986	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	1192	175.462	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.007	180	31	1.008	ug/l #	12

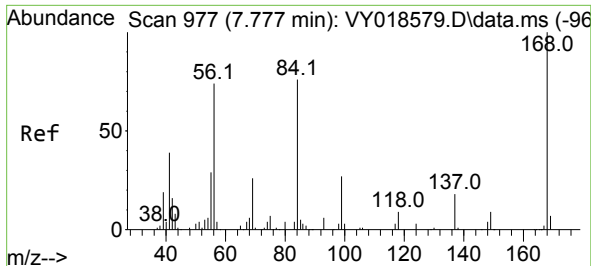
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
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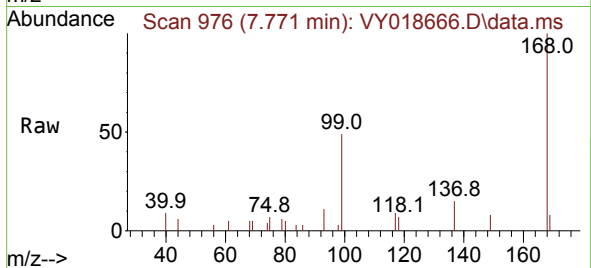
Quant Time: Jun 21 22:59:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
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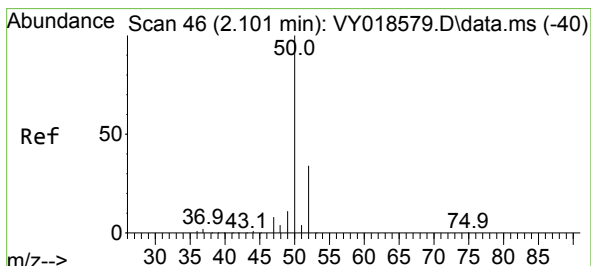
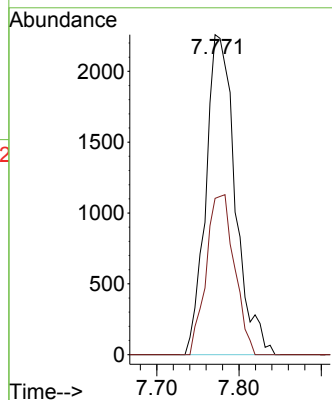
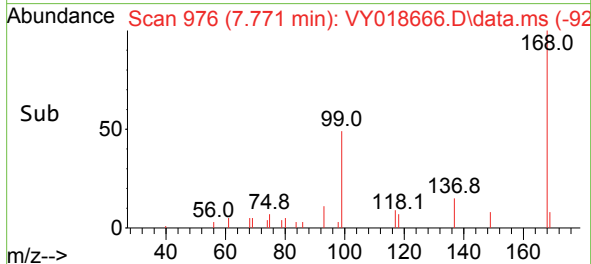


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

Instrument :
MSVOA_Y
ClientSampleId :

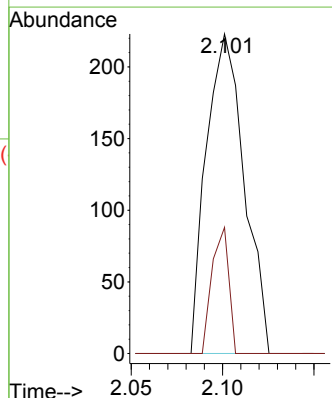
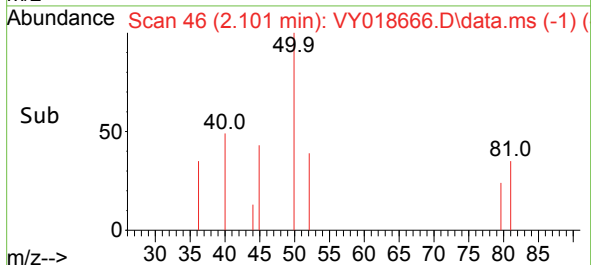
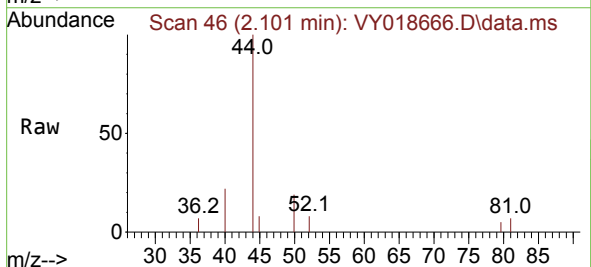


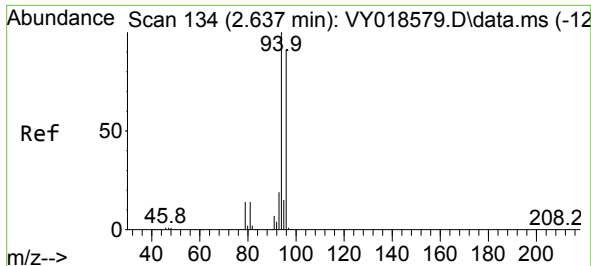
Tgt Ion:168 Resp: 5615
Ion Ratio Lower Upper
168 100
99 48.8 39.1 58.7



#3
Chloromethane
Concen: 4.228 ug/l
RT: 2.101 min Scan# 46
Delta R.T. 0.000 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

Tgt Ion: 50 Resp: 322
Ion Ratio Lower Upper
50 100
52 39.5 25.6 38.4#

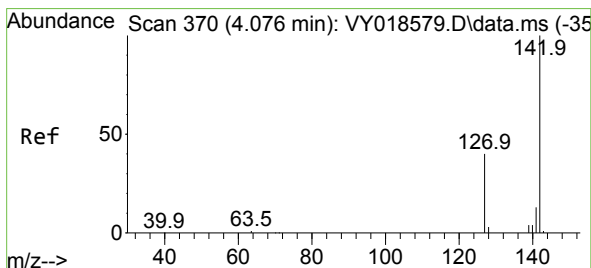
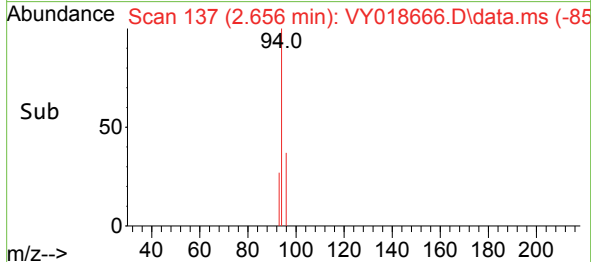
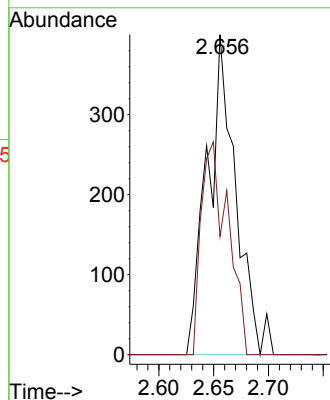
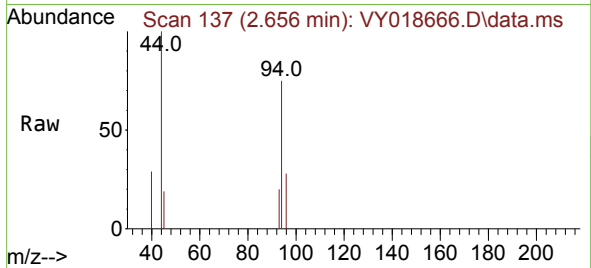




#5
Bromomethane
Concen: 10.341 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

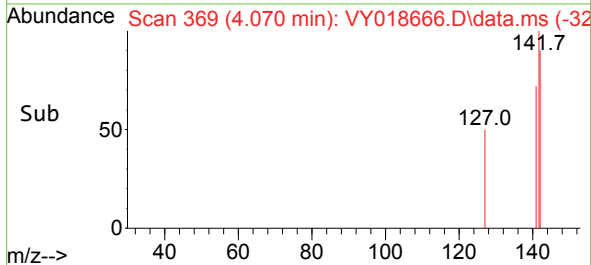
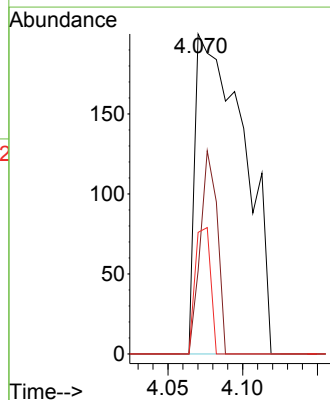
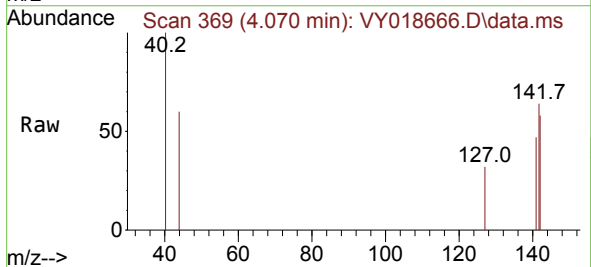
Instrument :
MSVOA_Y
ClientSampleId :

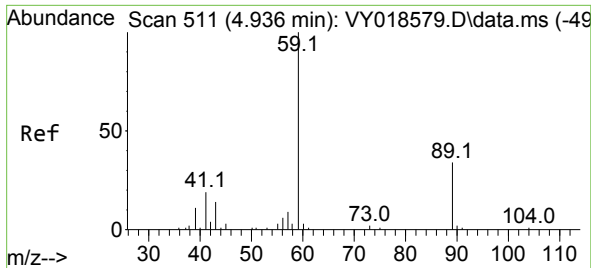
Tgt Ion: 94 Resp: 725
Ion Ratio Lower Upper
94 100
96 37.0 74.1 111.1#



#10
Methyl Iodide
Concen: 7.640 ug/l
RT: 4.070 min Scan# 369
Delta R.T. -0.006 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

Tgt Ion:142 Resp: 452
Ion Ratio Lower Upper
142 100
127 22.1 32.8 49.2#
141 12.6 11.4 17.2

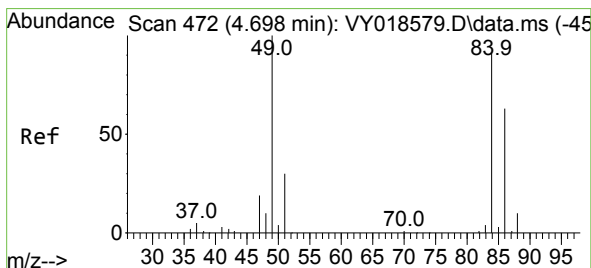
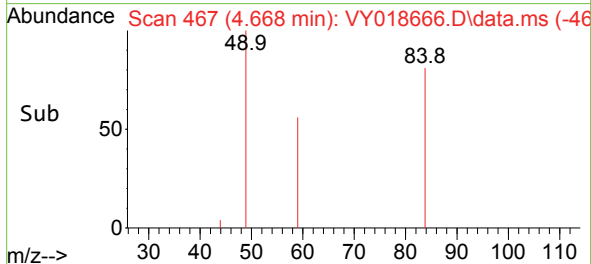
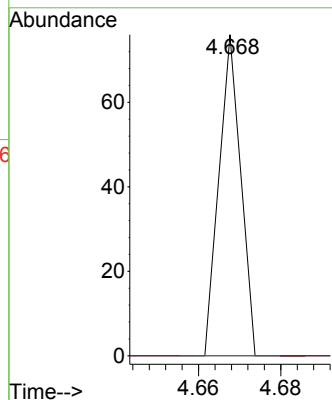
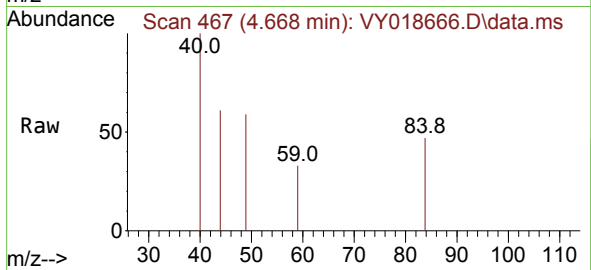




#11
Tert butyl alcohol
Concen: 2.754 ug/l
RT: 4.668 min Scan# 41
Delta R.T. -0.268 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

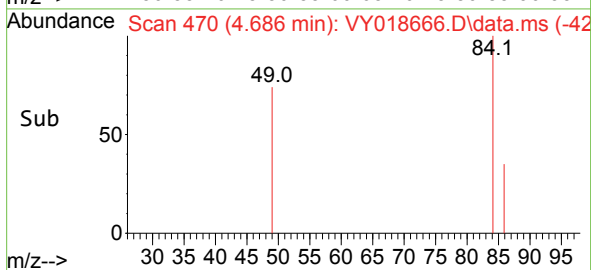
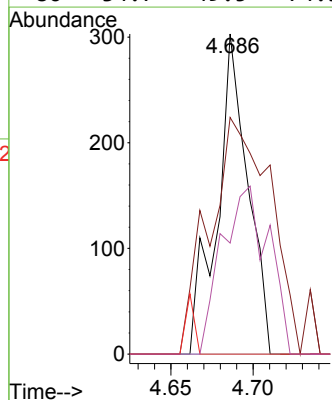
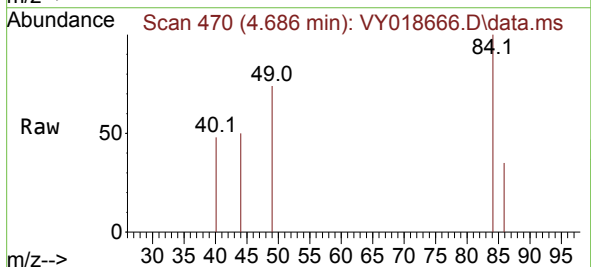
Instrument :
MSVOA_Y
ClientSampleId :

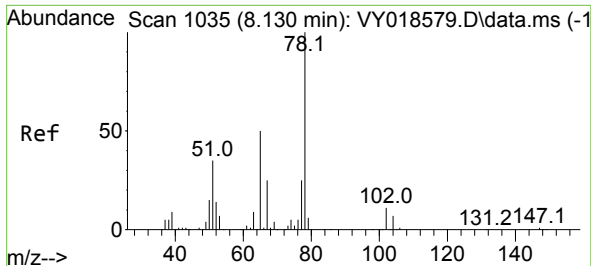
Tgt Ion: 59 Resp: 28
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.686 min Scan# 470
Delta R.T. -0.012 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

Tgt Ion: 84 Resp: 395
Ion Ratio Lower Upper
84 100
49 73.9 84.4 126.6#
51 0.0 26.0 39.0#
86 34.7 49.5 74.3#





#33

1,2-Dichloroethane-d4

Concen: 48.398 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY018666.D

Acq: 21 Jun 2024 13:43

Instrument :

MSVOA_Y

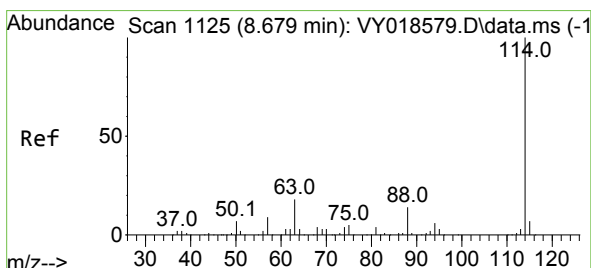
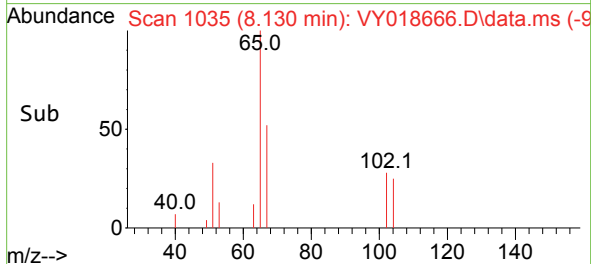
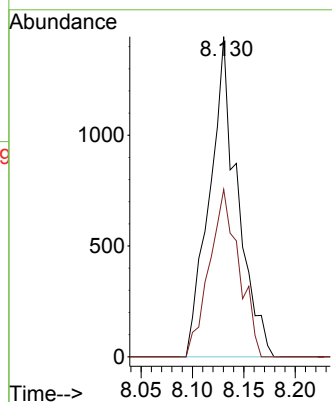
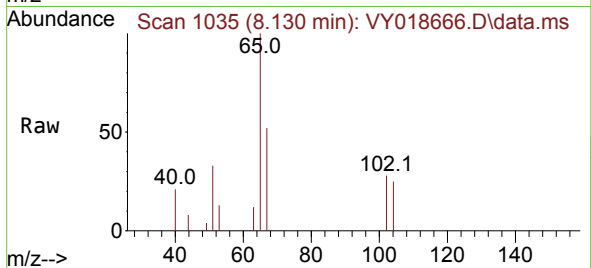
ClientSampleId :

Tgt Ion: 65 Resp: 2736

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.673 min Scan# 1124

Delta R.T. -0.006 min

Lab File: VY018666.D

Acq: 21 Jun 2024 13:43

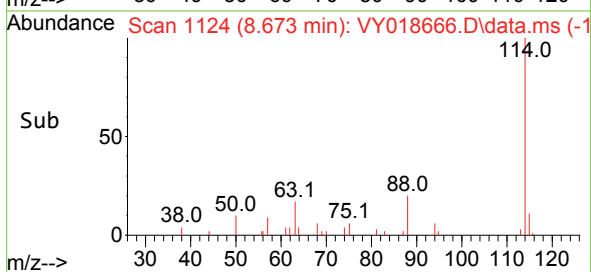
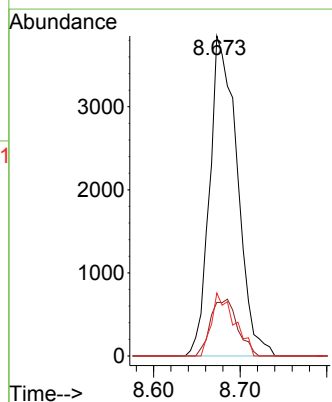
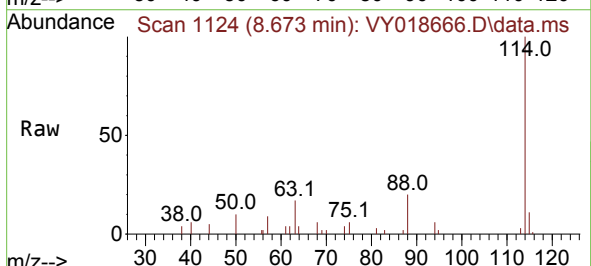
Tgt Ion: 114 Resp: 8501

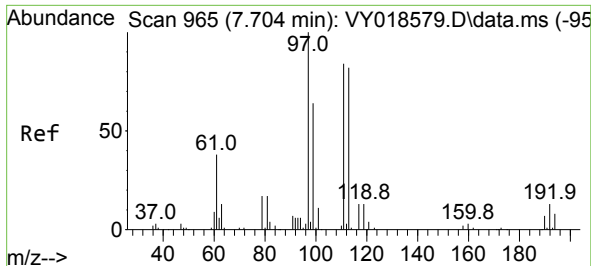
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

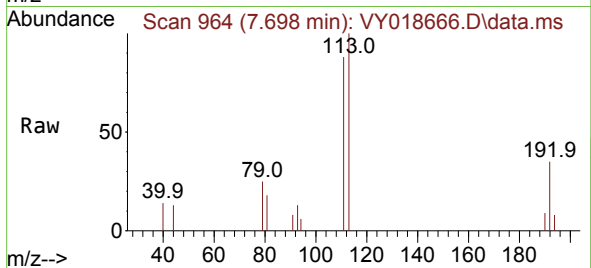
88 19.6 0.0 27.2



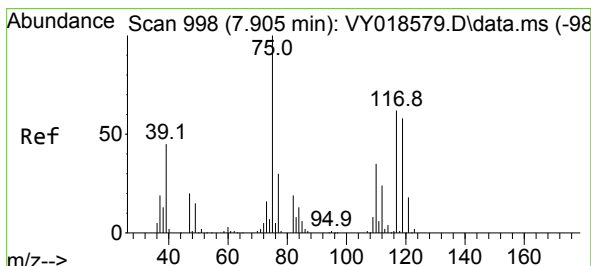
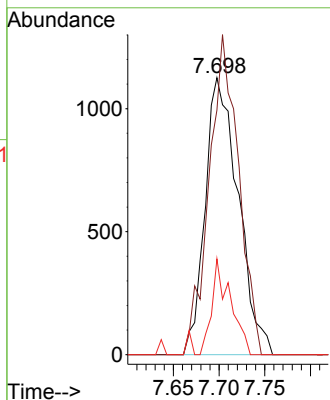
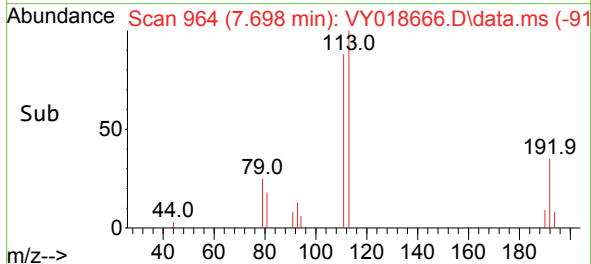


#35
Dibromofluoromethane
Concen: 54.688 ug/l
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

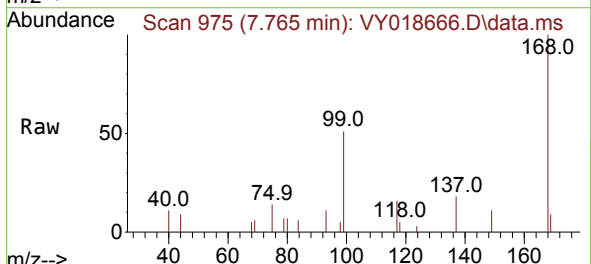
Instrument :
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ClientSampleId :



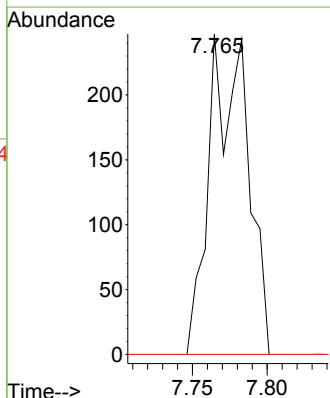
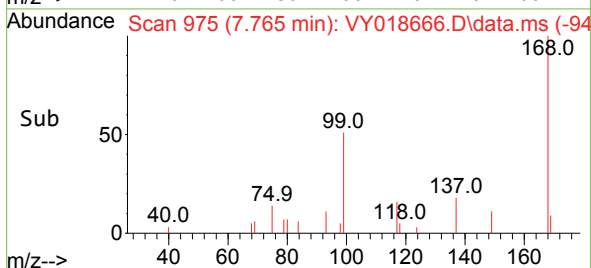
Tgt Ion:113 Resp: 2836
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 19.7 15.9 23.9

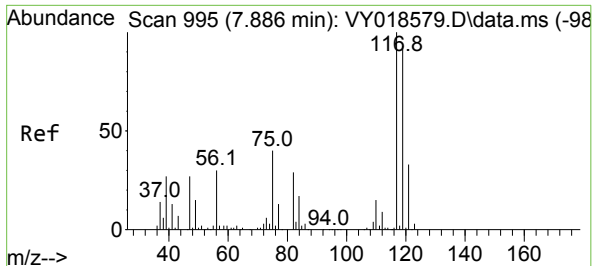


#36
1,1-Dichloropropene
Concen: 6.108 ug/l
RT: 7.765 min Scan# 975
Delta R.T. -0.140 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43



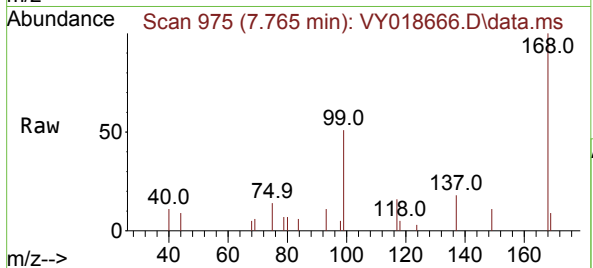
Tgt Ion: 75 Resp: 436
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



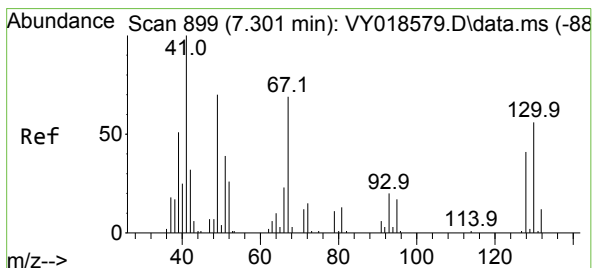
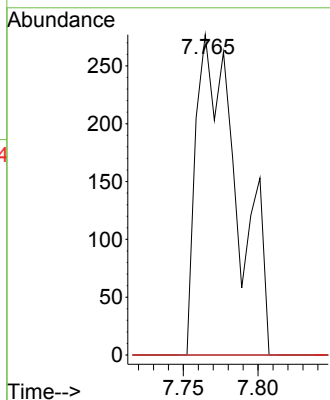
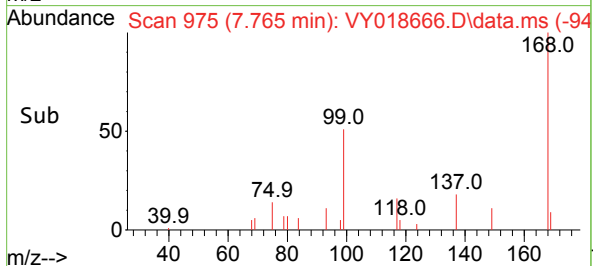


#38
Carbon Tetrachloride
Concen: 7.077 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

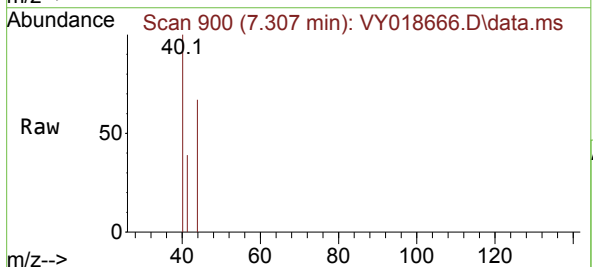
Instrument :
MSVOA_Y
ClientSampleId :



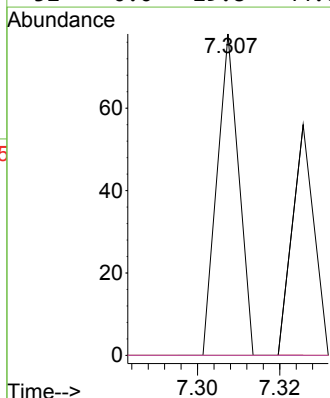
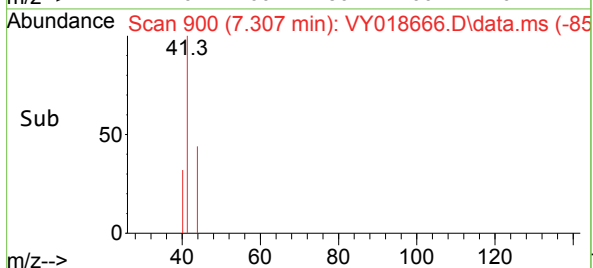
Tgt Ion:117 Resp: 530
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

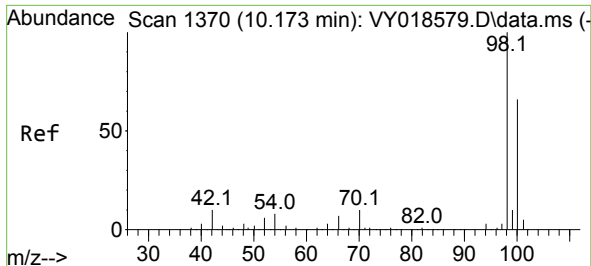


#41
Methacrylonitrile
Concen: 1.714 ug/l
RT: 7.307 min Scan# 900
Delta R.T. 0.006 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43



Tgt Ion: 41 Resp: 29
Ion Ratio Lower Upper
41 100
39 0.0 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#

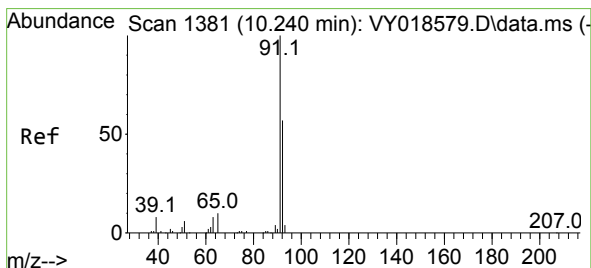
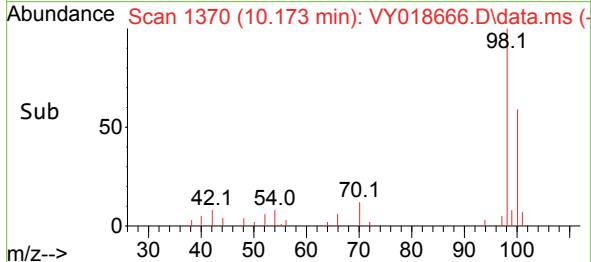
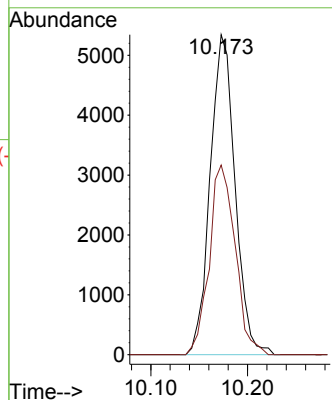
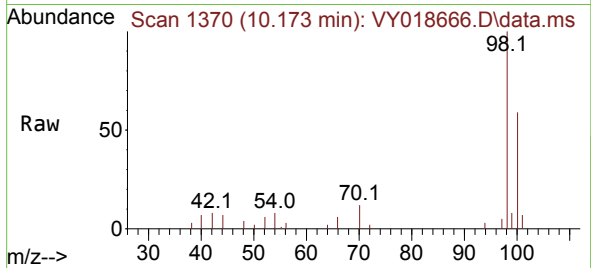




#50
Toluene-d8
Concen: 47.913 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

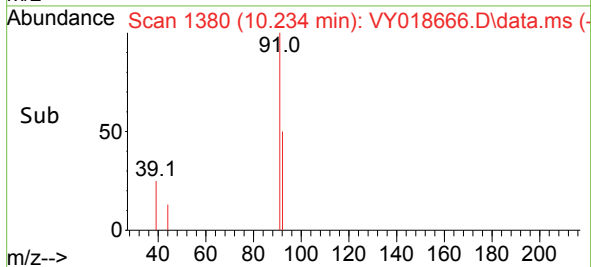
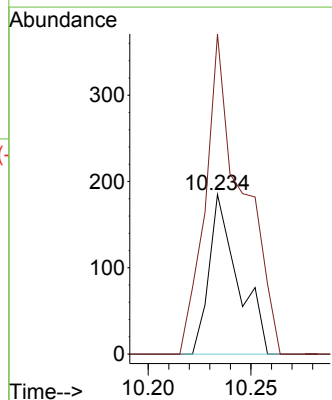
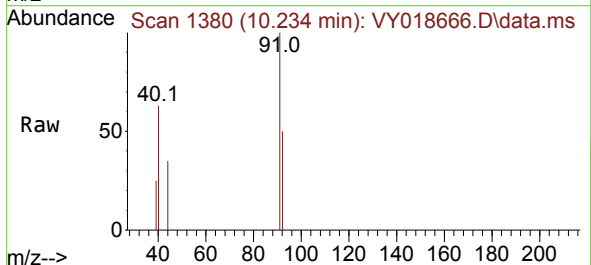
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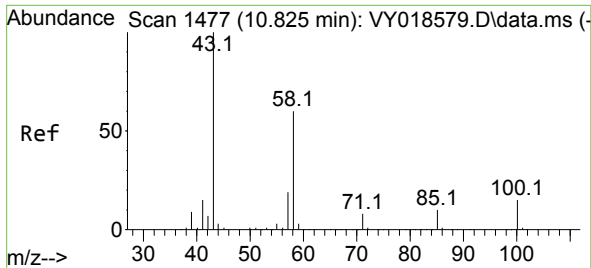
Tgt Ion: 98 Resp: 9555
Ion Ratio Lower Upper
98 100
100 61.8 52.0 78.0



#52
Toluene
Concen: 1.277 ug/l
RT: 10.234 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

Tgt Ion: 92 Resp: 181
Ion Ratio Lower Upper
92 100
91 256.9 139.0 208.6#

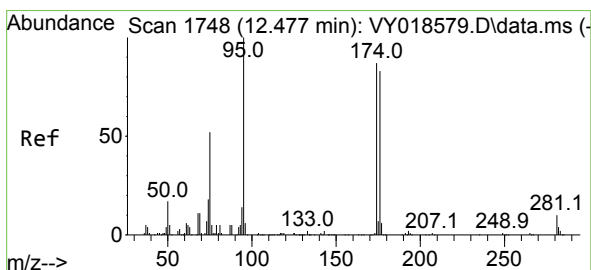
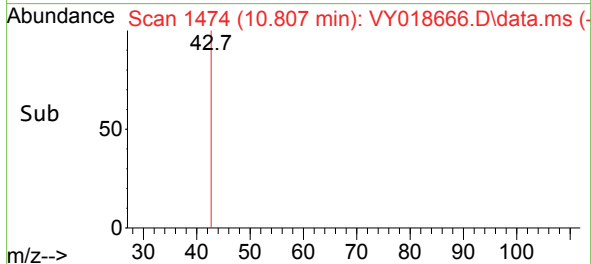
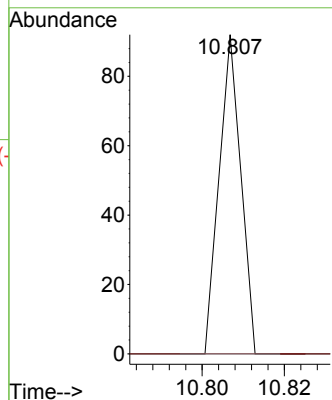
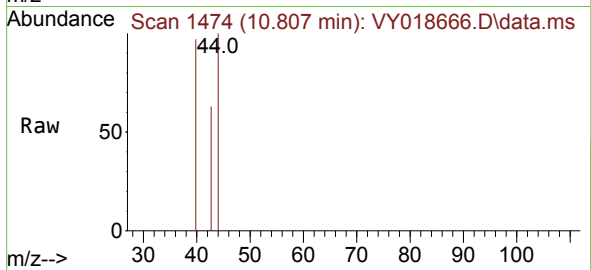




#59
2-Hexanone
Concen: 1.467 ug/l
RT: 10.807 min Scan# 1477
Delta R.T. -0.018 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

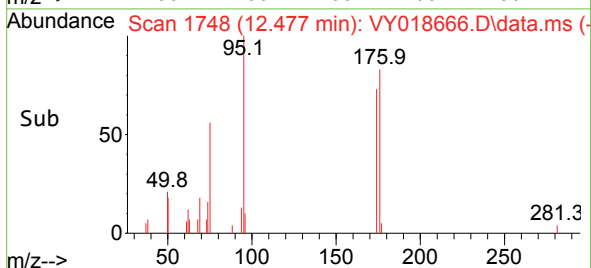
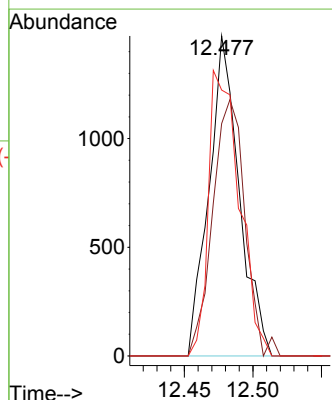
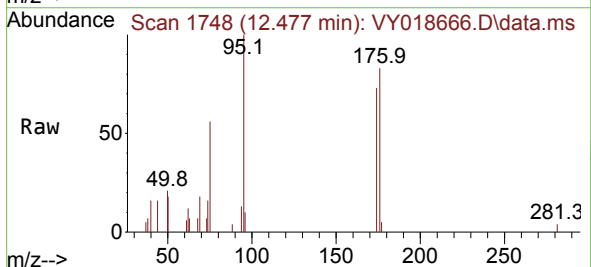
Instrument :
MSVOA_Y
ClientSampleId :

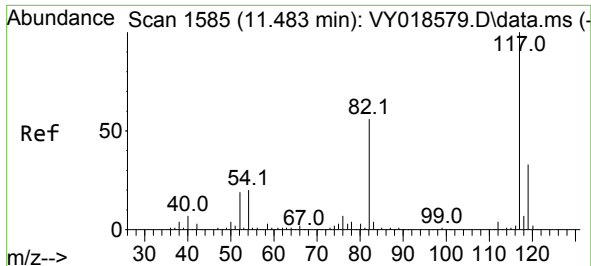
Tgt Ion: 43 Resp: 34
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 35.999 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

Tgt Ion: 95 Resp: 2267
Ion Ratio Lower Upper
95 100
174 85.1 0.0 175.6
176 91.2 0.0 171.4

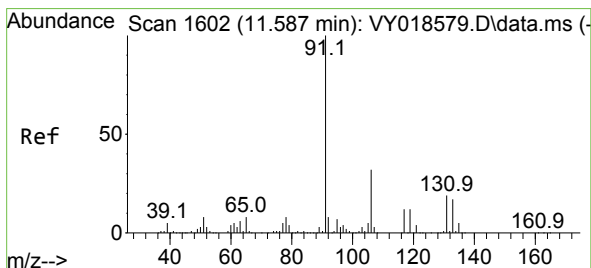
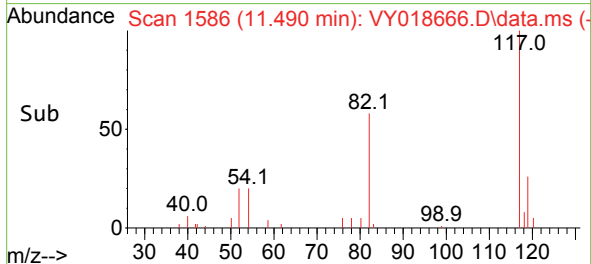
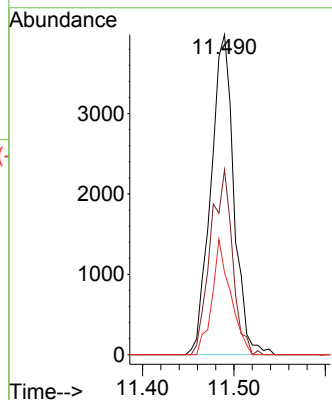
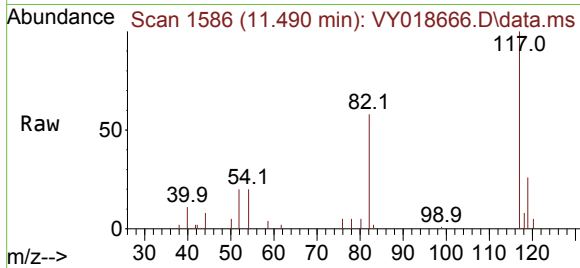




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

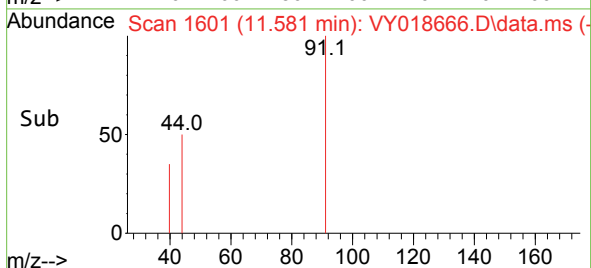
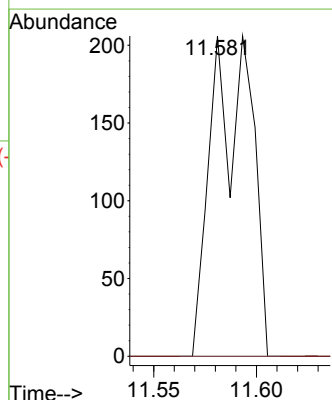
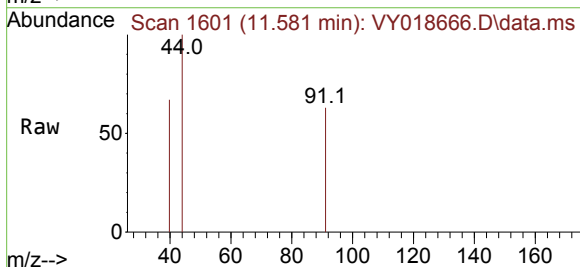
Instrument :
MSVOA_Y
ClientSampleId :

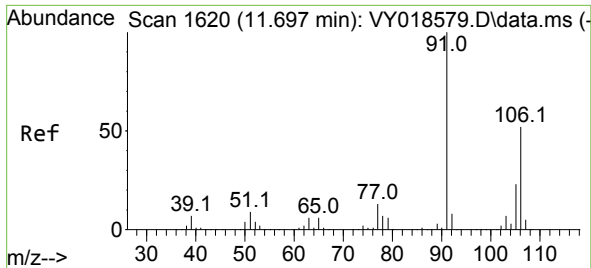
Tgt Ion:117 Resp: 6983
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 25.7 25.9 38.9#



#67
Ethyl Benzene
Concen: 1.103 ug/l
RT: 11.581 min Scan# 1601
Delta R.T. -0.006 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

Tgt Ion: 91 Resp: 276
Ion Ratio Lower Upper
91 100
106 0.0 24.5 36.7#

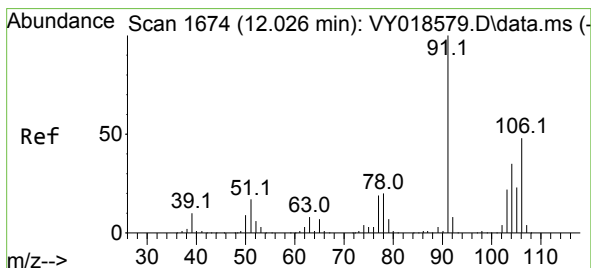
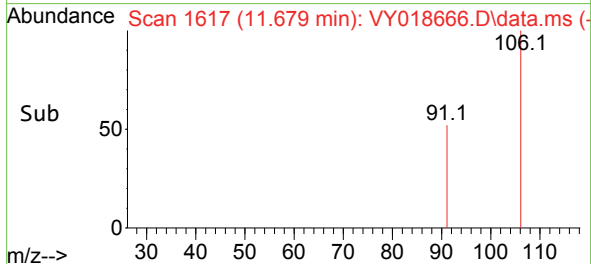
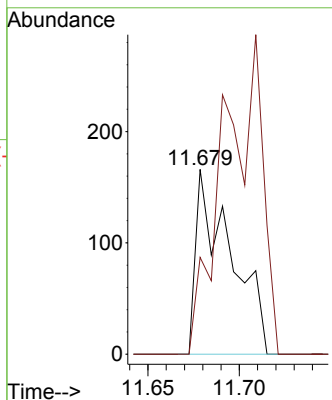
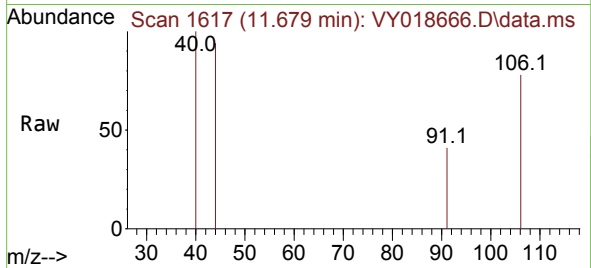




#68
m/p-Xylenes
Concen: 2.259 ug/l
RT: 11.679 min Scan# 1617
Delta R.T. -0.018 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

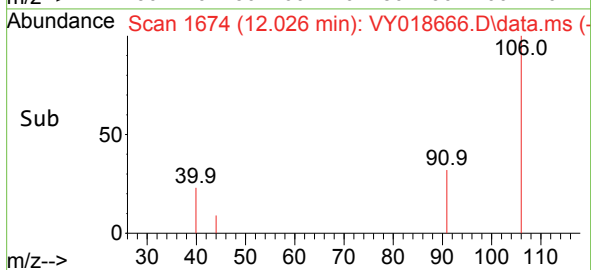
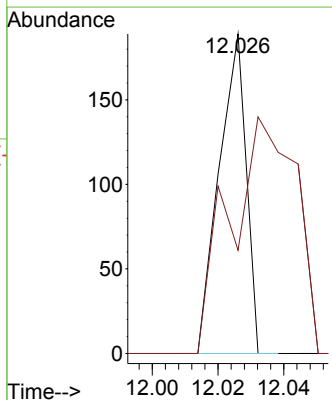
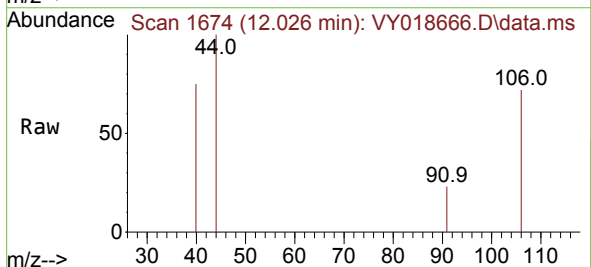
Instrument :
MSVOA_Y
ClientSampleId :

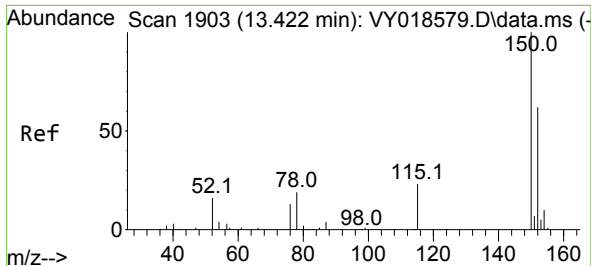
Tgt Ion:106 Resp: 220
Ion Ratio Lower Upper
106 100
91 0.0 156.0 234.0#



#69
o-Xylene
Concen: 1.153 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

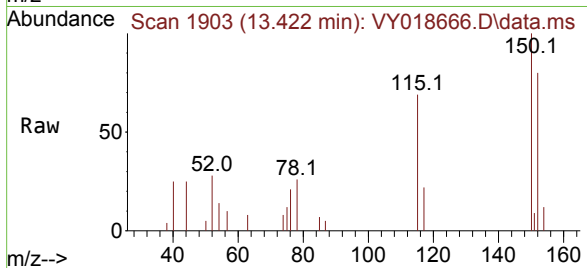
Tgt Ion:106 Resp: 108
Ion Ratio Lower Upper
106 100
91 179.6 103.6 310.8



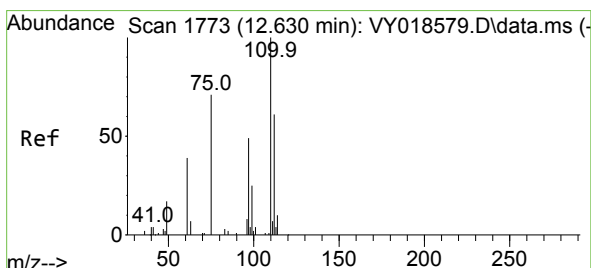
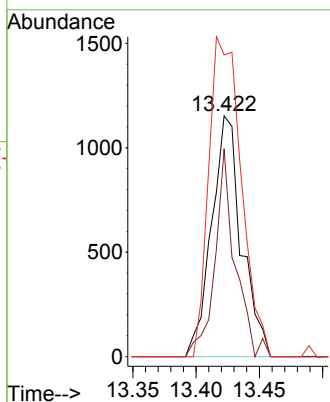
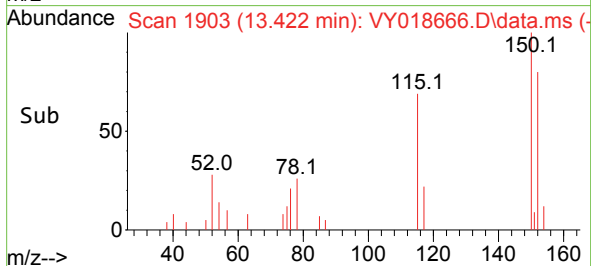


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

Instrument :
MSVOA_Y
ClientSampleId :

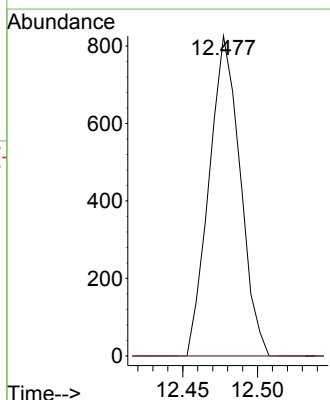
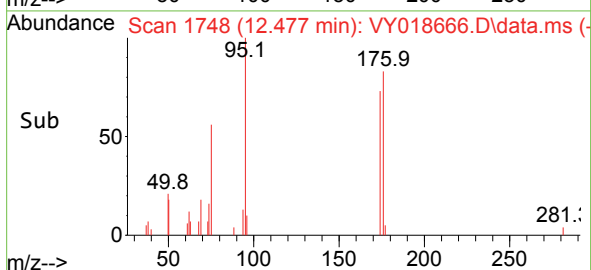
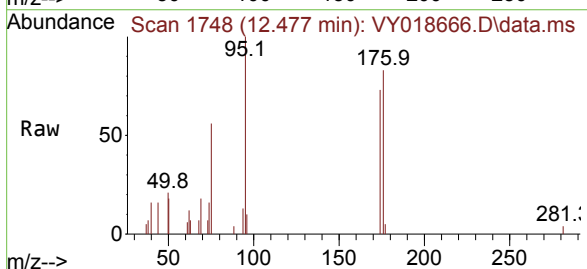


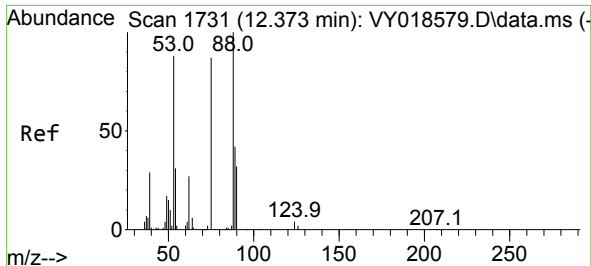
Tgt Ion:152 Resp: 1897
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 144.2 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 66.986 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY018666.D
Acq: 21 Jun 2024 13:43

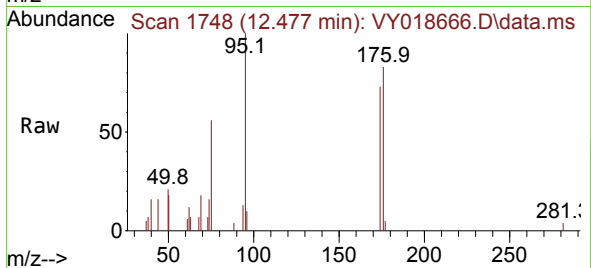
Tgt Ion: 75 Resp: 1192
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



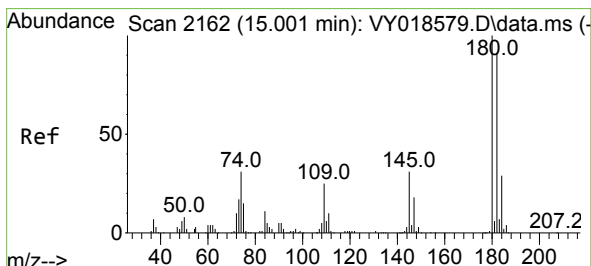
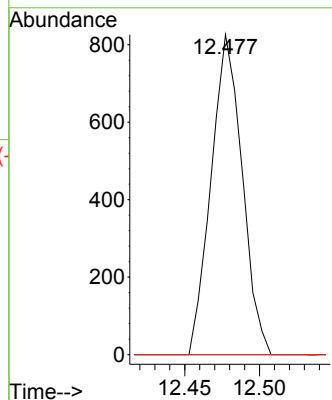
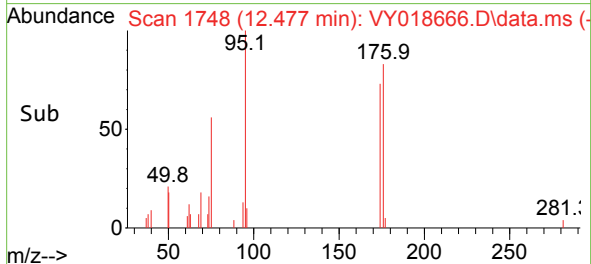


#81
 trans-1,4-Dichloro-2-butene
 Concen: 175.462 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY018666.D
 Acq: 21 Jun 2024 13:43

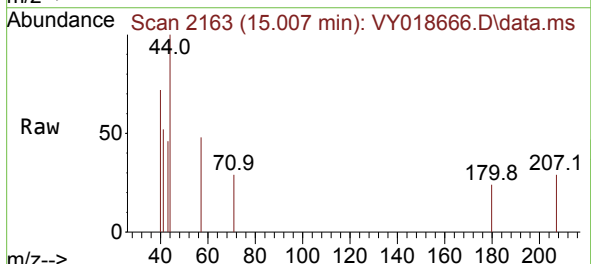
Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 1192
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.008 ug/l
 RT: 15.007 min Scan# 2163
 Delta R.T. 0.006 min
 Lab File: VY018666.D
 Acq: 21 Jun 2024 13:43



Tgt Ion: 180 Resp: 31
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.8#
 145 0.0 14.2 42.6#

