

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071124\
 Data File : VY018780.D
 Acq On : 11 Jul 2024 15:59
 Operator : SY/MD
 Sample : P3184-04
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 12 01:39:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	70039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	123746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	109540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	33765	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	38199	55.425	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.860%
35) Dibromofluoromethane	7.704	113	38592	49.793	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.580%
50) Toluene-d8	10.173	98	141051	48.036	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.080%
62) 4-Bromofluorobenzene	12.477	95	40161	40.050	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.100%

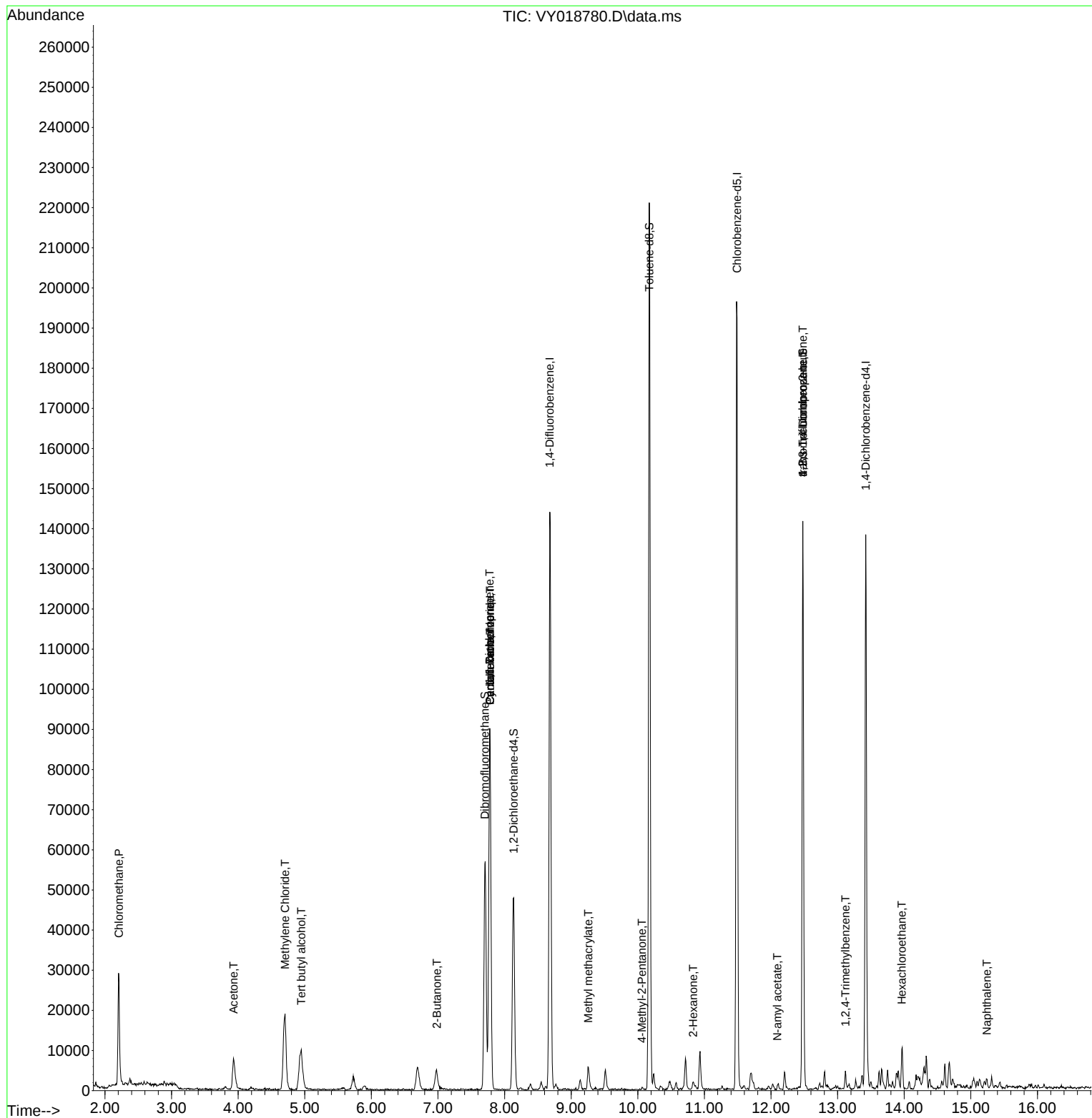
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.211	50	1299	1.457	ug/l	94
11) Tert butyl alcohol	4.948	59	18735	268.347	ug/l #	80
16) Acetone	3.930	43	13583	106.901	ug/l	93
20) Methylene Chloride	4.704	84	13901	15.936	ug/l	90
25) 2-Butanone	6.984	43	4758	26.715	ug/l #	87
31) Cyclohexane	7.783	56	1618	1.528	ug/l #	44
36) 1,1-Dichloropropene	7.777	75	5112	4.779	ug/l #	50
38) Carbon Tetrachloride	7.783	117	6963	5.405	ug/l #	16
48) Methyl methacrylate	9.258	41	1682	4.183	ug/l #	30
51) 4-Methyl-2-Pentanone	10.063	43	476	1.054	ug/l #	56
59) 2-Hexanone	10.831	43	1504	4.760	ug/l	95
74) N-amyl acetate	12.093	43	910	1.801	ug/l #	41
76) 1,2,3-Trichloropropane	12.477	75	22612	85.504	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	22612	191.364	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.117	105	2493	1.241	ug/l	97
90) Hexachloroethane	13.965	117	544	1.279	ug/l #	12
95) Naphthalene	15.239	128	2221	2.119	ug/l	97

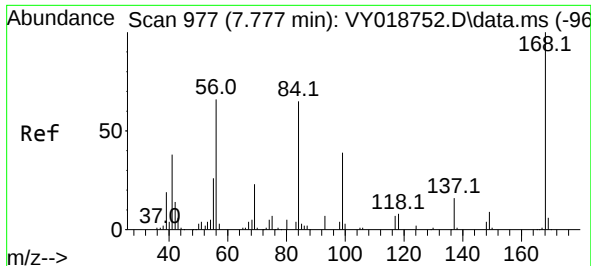
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 09 14:28:51 2024
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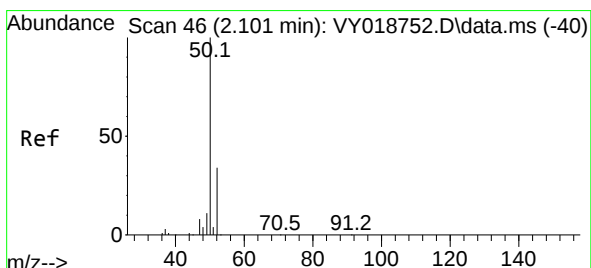
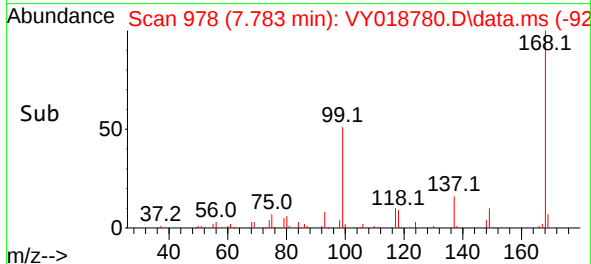
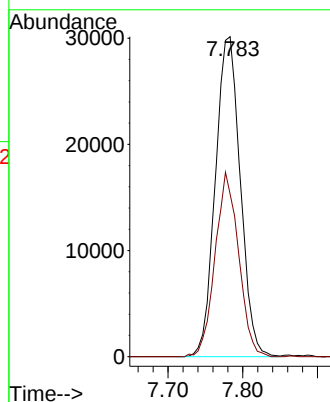
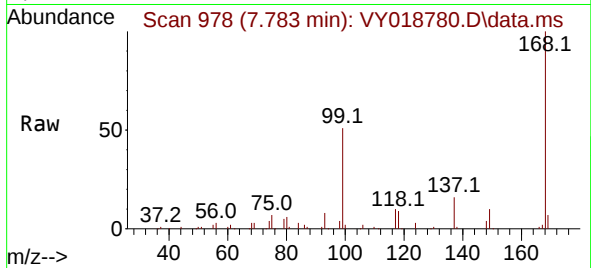




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

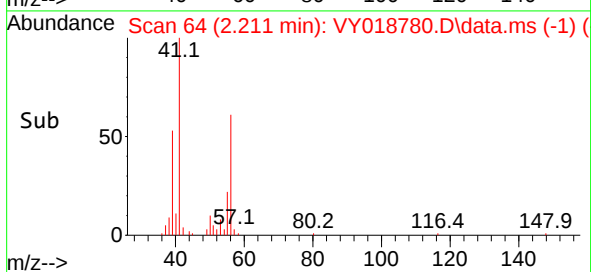
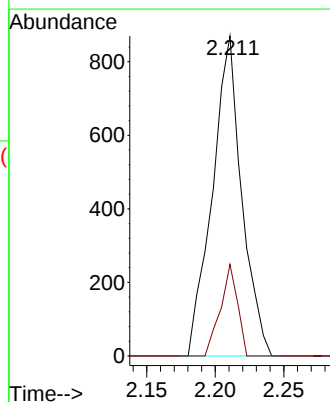
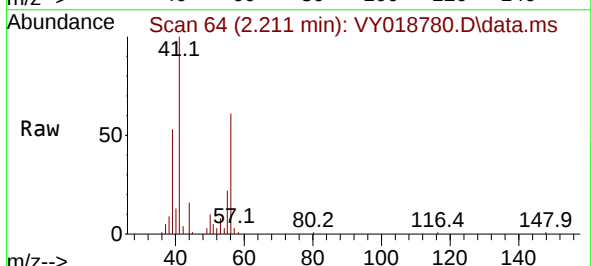
Instrument :
MSVOA_Y
ClientSampleId :

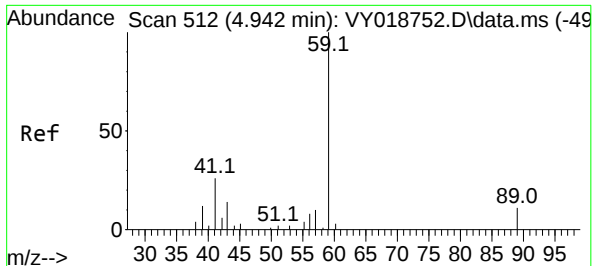
Tgt Ion:168 Resp: 70039
Ion Ratio Lower Upper
168 100
99 50.8 39.1 58.7



#3
Chloromethane
Concen: 1.457 ug/l
RT: 2.211 min Scan# 64
Delta R.T. 0.110 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

Tgt Ion: 50 Resp: 1299
Ion Ratio Lower Upper
50 100
52 28.6 25.6 38.4





#11

Tert butyl alcohol

Concen: 268.347 ug/l

RT: 4.948 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY018780.D

Acq: 11 Jul 2024 15:59

Instrument :

MSVOA_Y

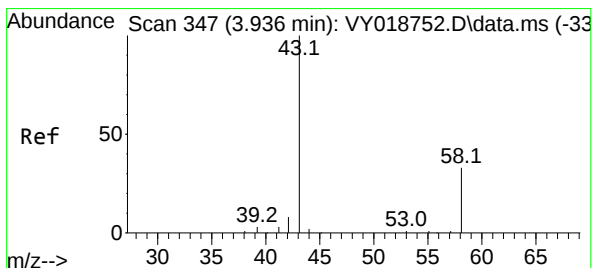
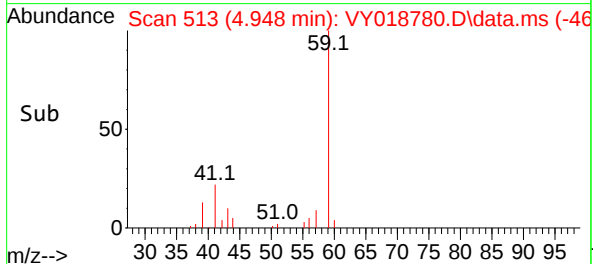
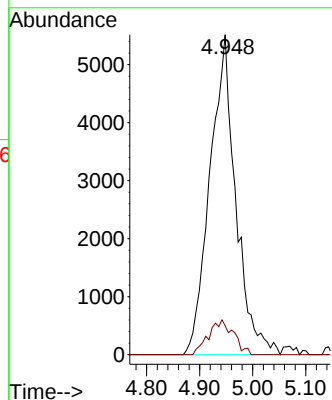
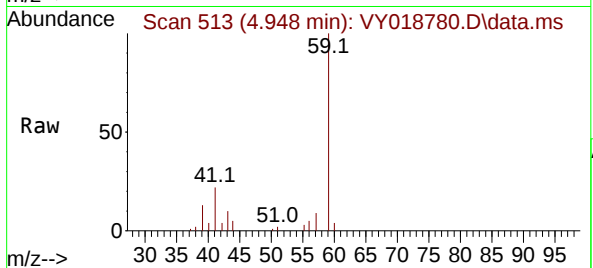
ClientSampleId :

Tgt Ion: 59 Resp: 18735

Ion Ratio Lower Upper

59 100

57 10.5 3.0 4.6#



#16

Acetone

Concen: 106.901 ug/l

RT: 3.930 min Scan# 346

Delta R.T. -0.006 min

Lab File: VY018780.D

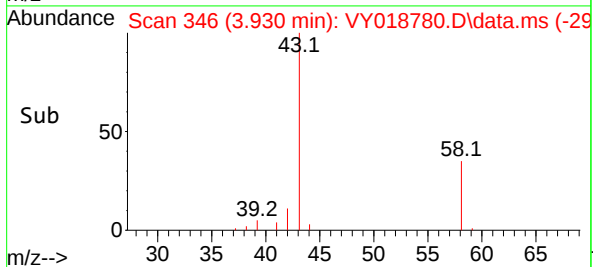
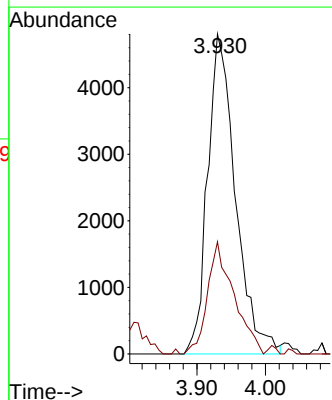
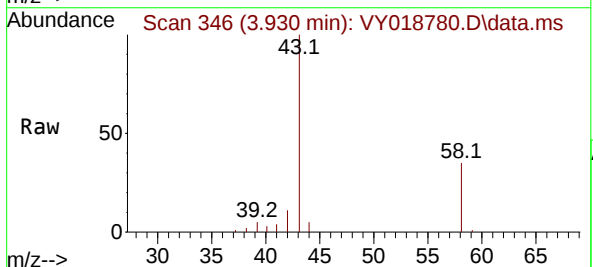
Acq: 11 Jul 2024 15:59

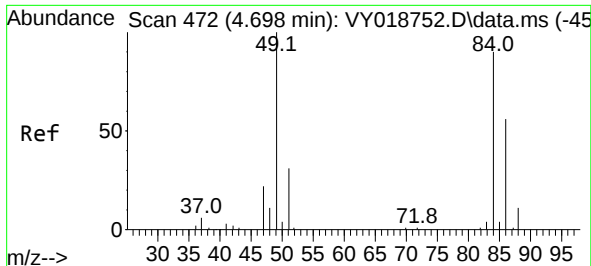
Tgt Ion: 43 Resp: 13583

Ion Ratio Lower Upper

43 100

58 35.1 31.7 47.5



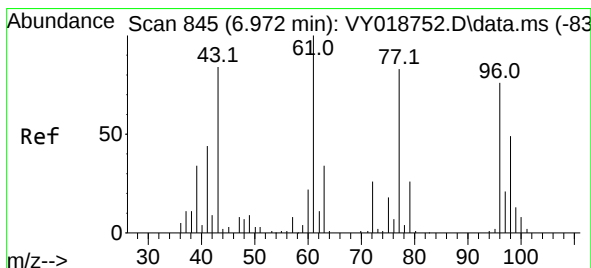
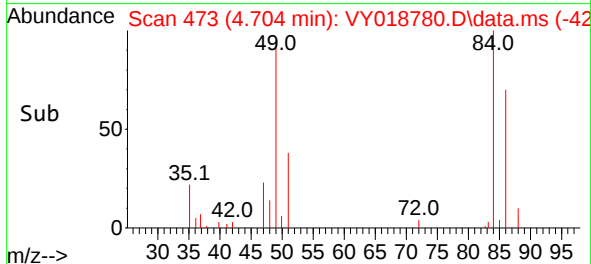
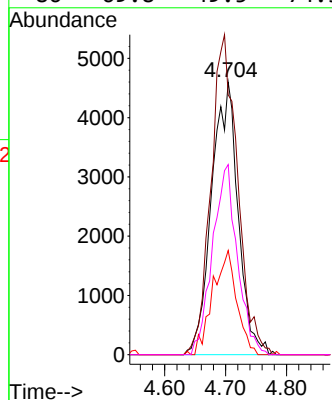
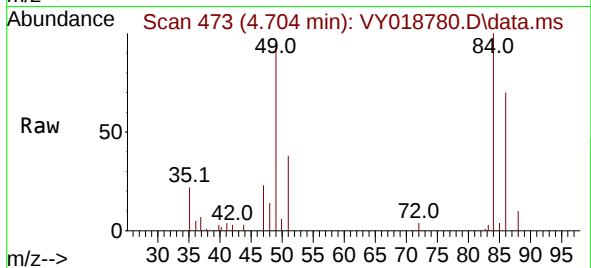


#20
Methylene Chloride
Concen: 15.936 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 13901

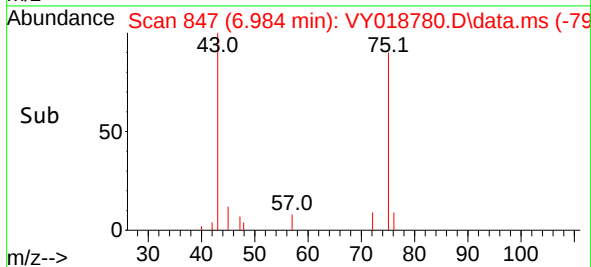
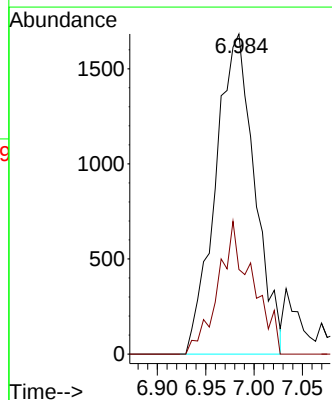
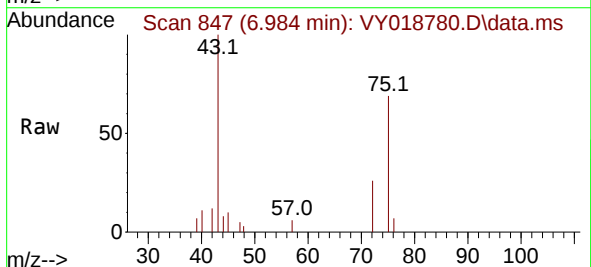
Ion	Ratio	Lower	Upper
84	100		
49	95.4	84.4	126.6
51	38.2	26.0	39.0
86	69.8	49.5	74.3

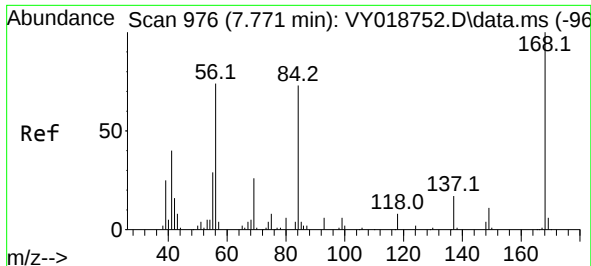


#25
2-Butanone
Concen: 26.715 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

Tgt Ion: 43 Resp: 4758

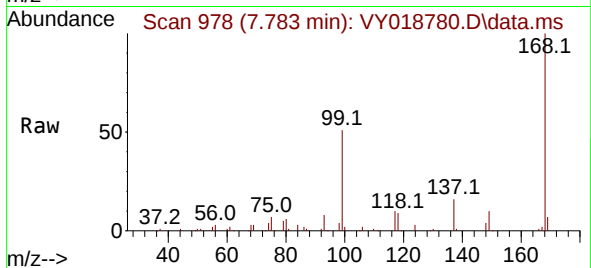
Ion	Ratio	Lower	Upper
43	100		
72	26.4	27.3	40.9#



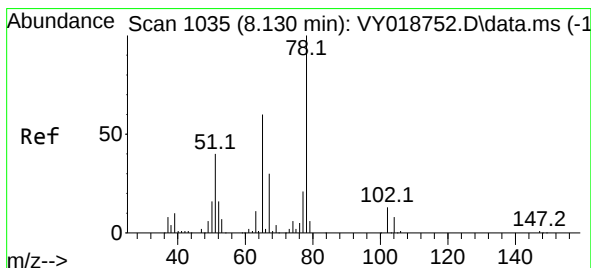
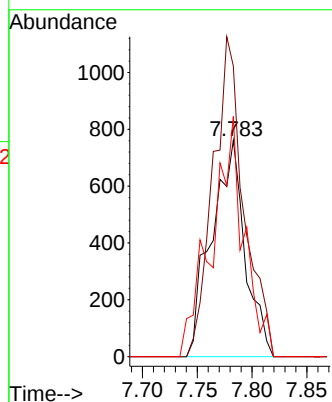
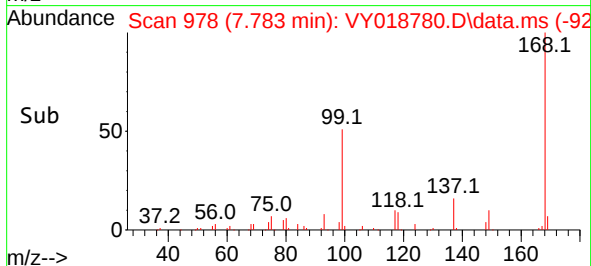


#31
Cyclohexane
Concen: 1.528 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :

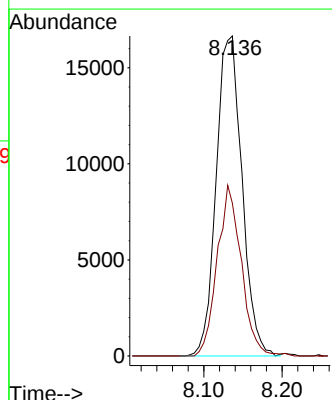
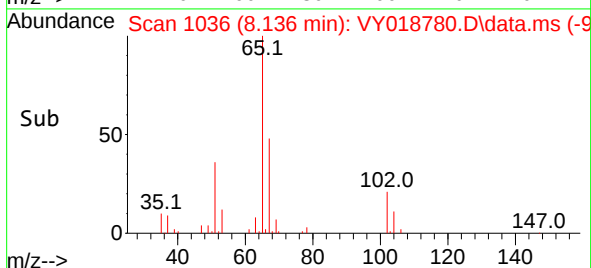
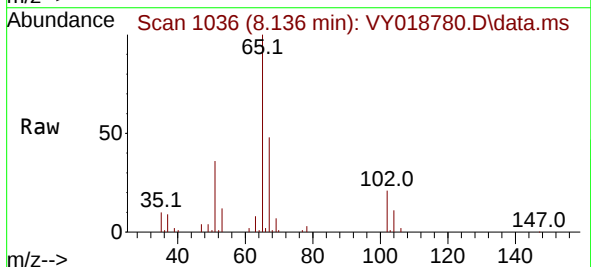


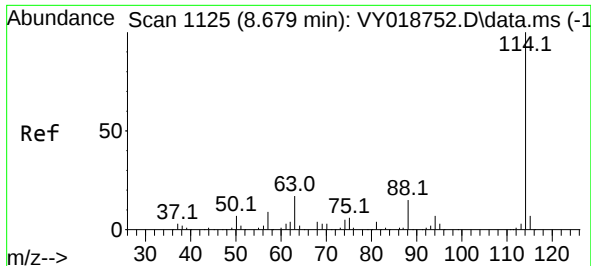
Tgt Ion: 56 Resp: 1618
Ion Ratio Lower Upper
56 100
69 134.4 28.7 43.1#
84 111.0 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 55.425 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

Tgt Ion: 65 Resp: 38199
Ion Ratio Lower Upper
65 100
67 49.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VY018780.D

Acq: 11 Jul 2024 15:59

Instrument :

MSVOA_Y

ClientSampleId :

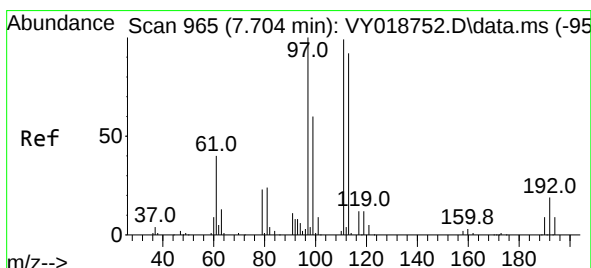
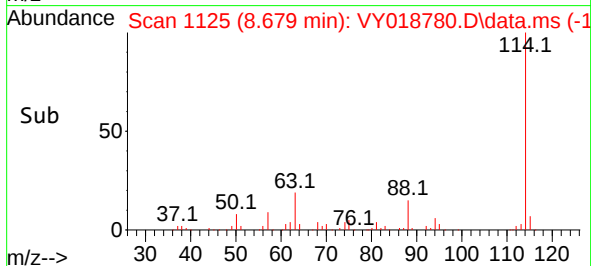
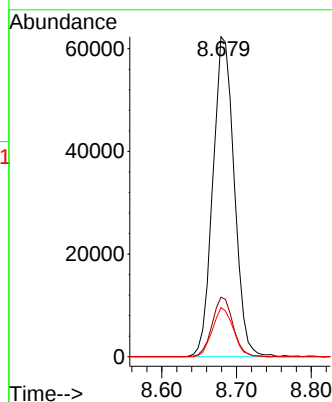
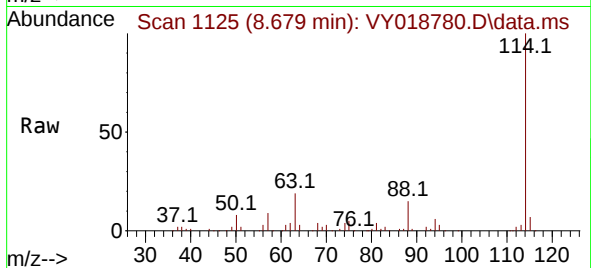
Tgt Ion:114 Resp: 123746

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

88 15.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.793 ug/l

RT: 7.704 min Scan# 965

Delta R.T. 0.000 min

Lab File: VY018780.D

Acq: 11 Jul 2024 15:59

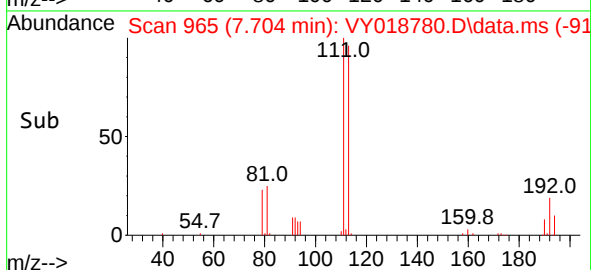
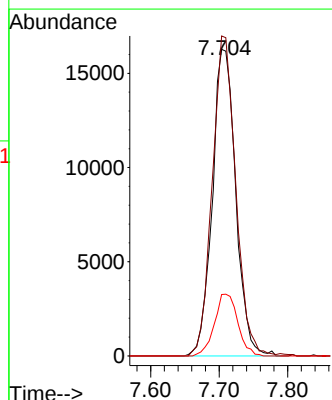
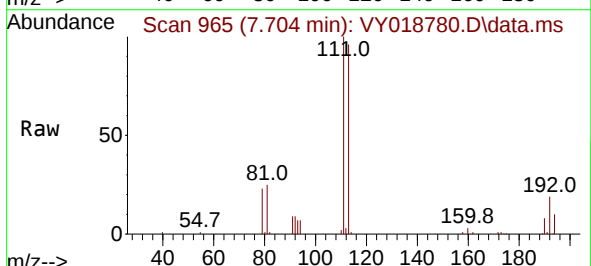
Tgt Ion:113 Resp: 38592

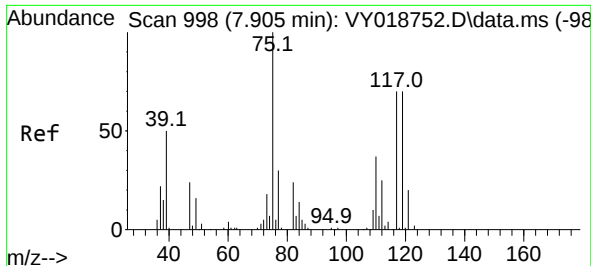
Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

192 20.1 15.9 23.9

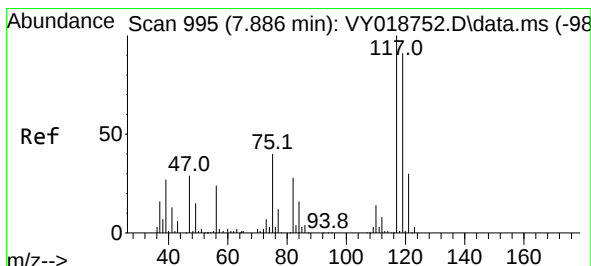
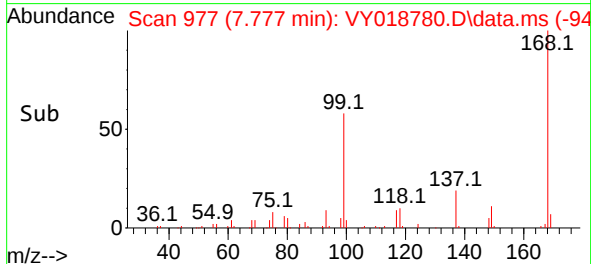
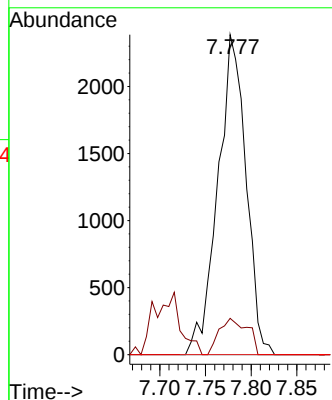
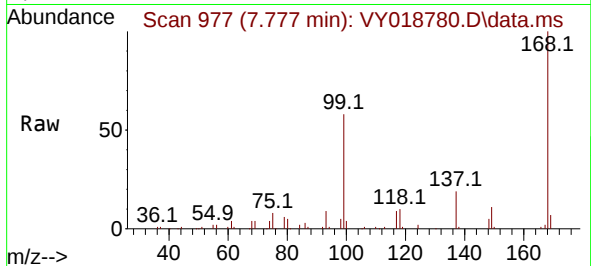




#36
1,1-Dichloropropene
Concen: 4.779 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

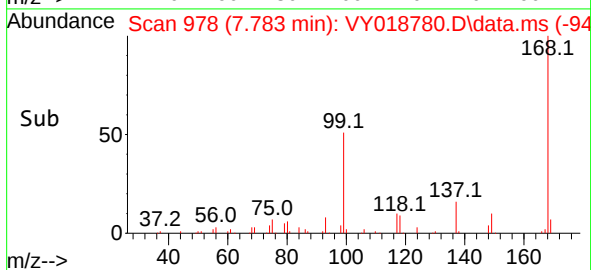
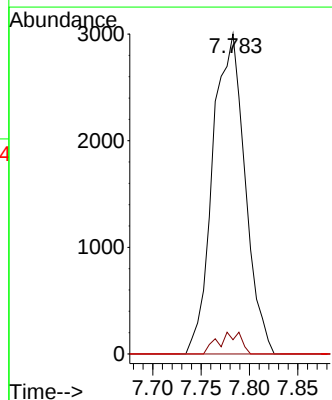
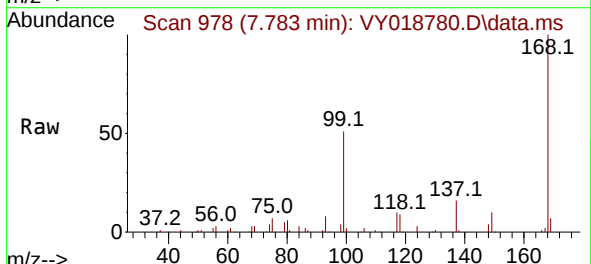
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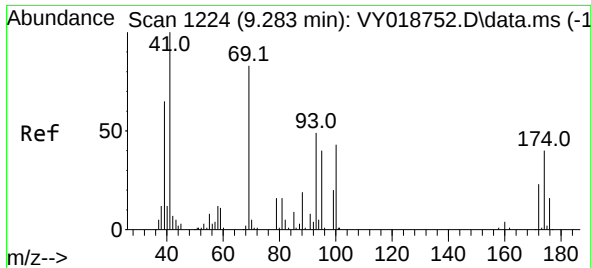
Tgt Ion: 75 Resp: 5112
Ion Ratio Lower Upper
75 100
110 11.4 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.405 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.104 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

Tgt Ion: 117 Resp: 6963
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.0 36.0#

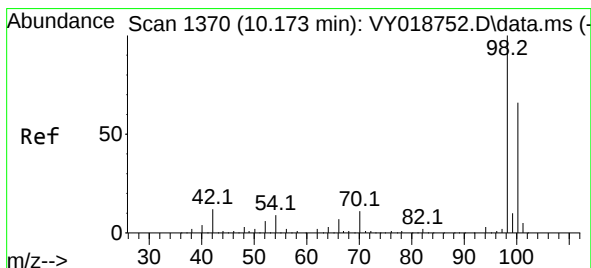
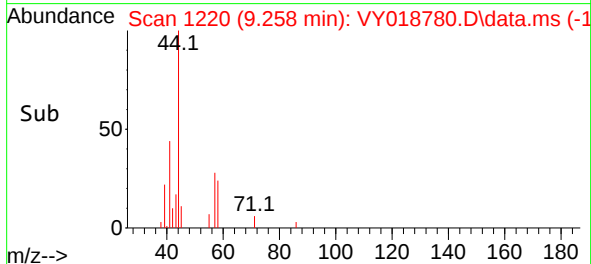
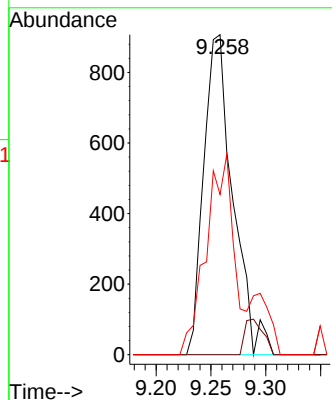
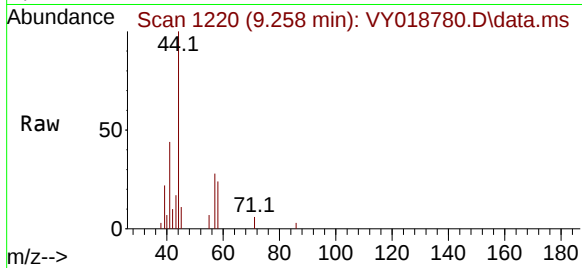




#48
Methyl methacrylate
Concen: 4.183 ug/l
RT: 9.258 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

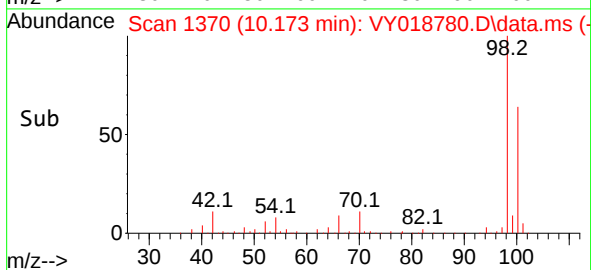
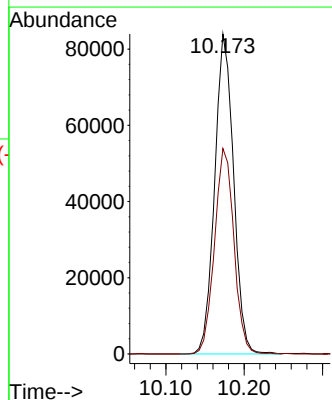
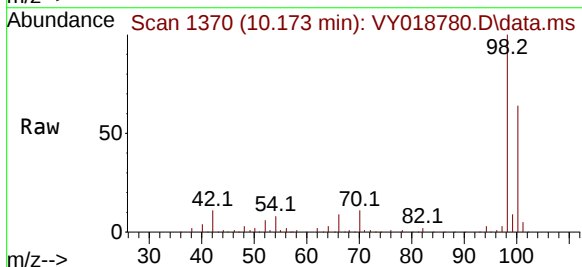
Instrument :
MSVOA_Y
ClientSampleId :

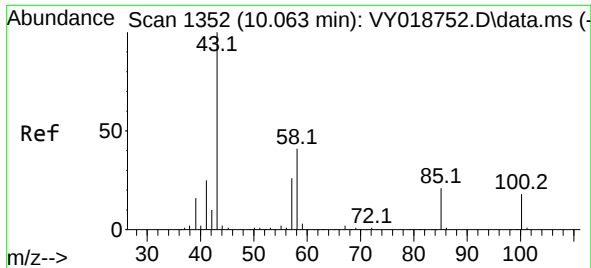
Tgt Ion: 41 Resp: 1682
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 60.2 43.6 65.4



#50
Toluene-d8
Concen: 48.036 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

Tgt Ion: 98 Resp: 141051
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0

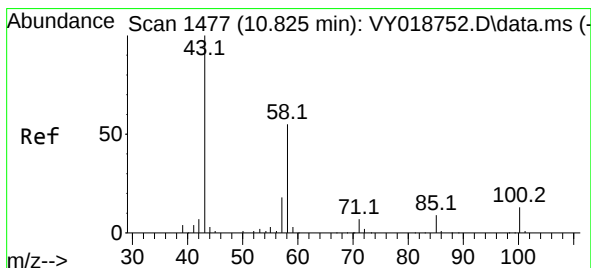
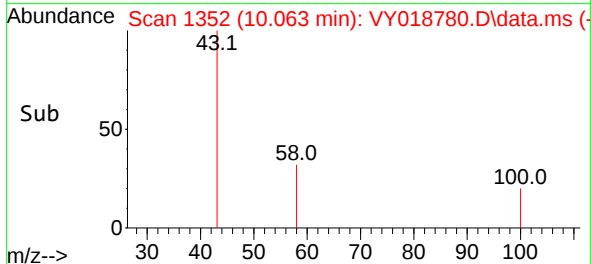
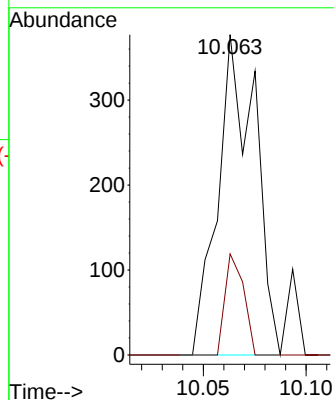
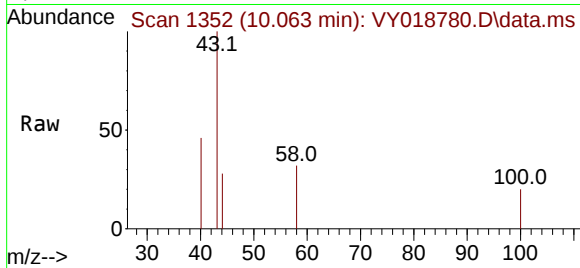




#51
4-Methyl-2-Pentanone
Concen: 1.054 ug/l
RT: 10.063 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

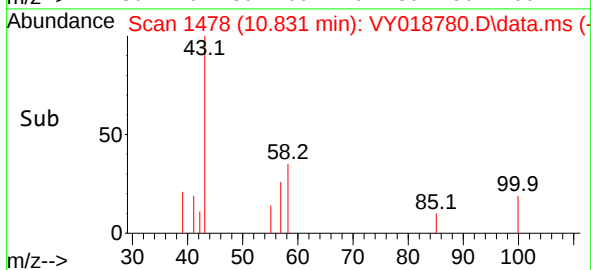
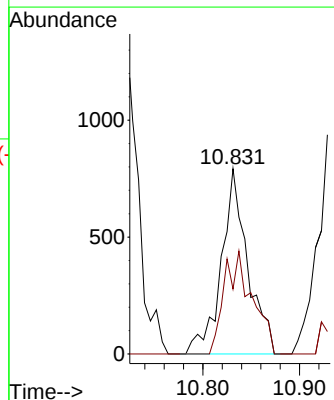
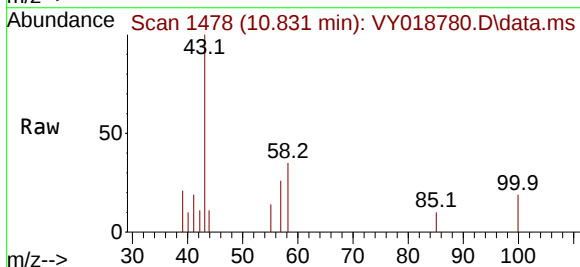
Instrument :
MSVOA_Y
ClientSampleId :

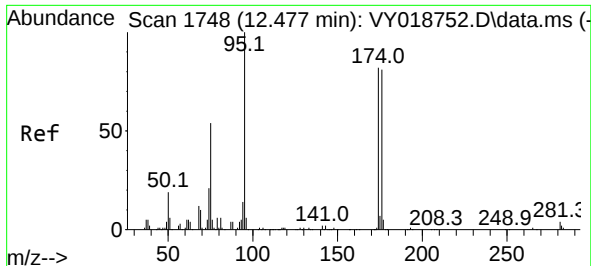
Tgt Ion: 43 Resp: 476
Ion Ratio Lower Upper
43 100
58 15.8 35.7 53.5#



#59
2-Hexanone
Concen: 4.760 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
58 58.8 31.4 94.0

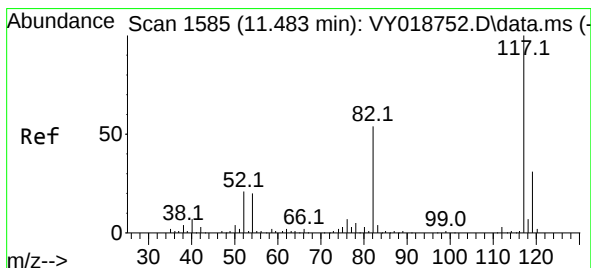
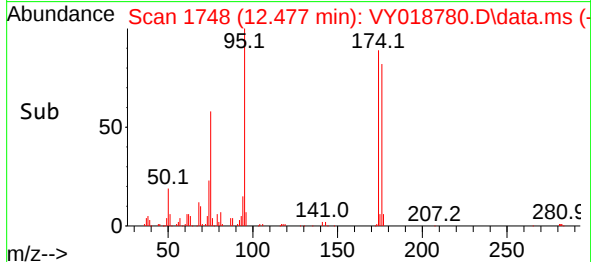
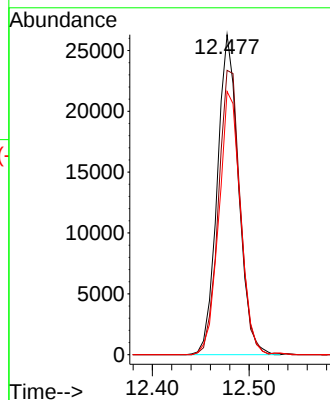
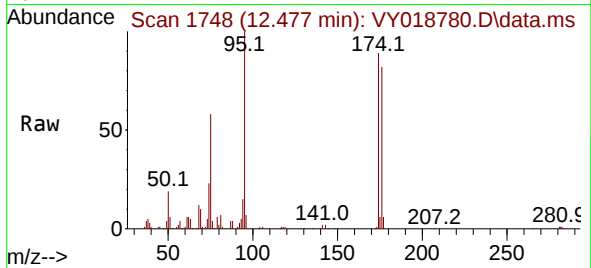




#62
4-Bromofluorobenzene
Concen: 40.050 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

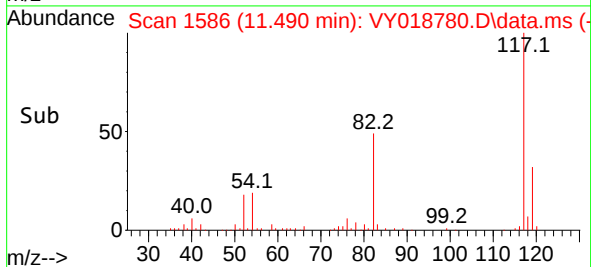
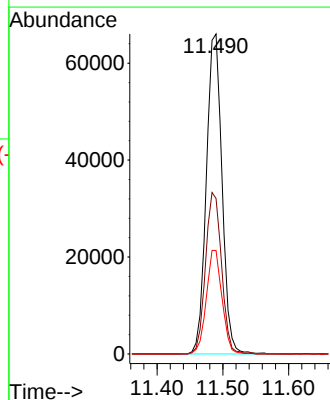
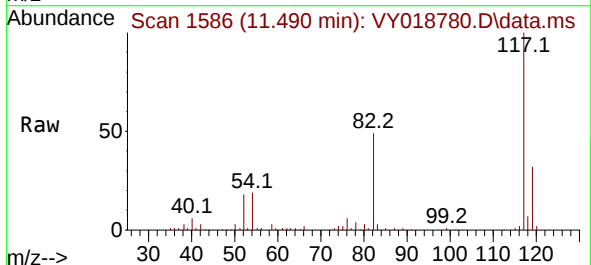
Instrument :
MSVOA_Y
ClientSampleId :

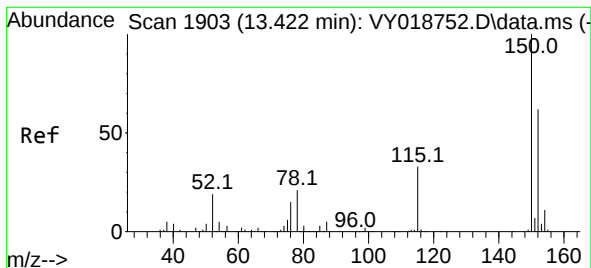
Tgt Ion: 95 Resp: 40161
Ion Ratio Lower Upper
95 100
174 91.0 0.0 175.6
176 83.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

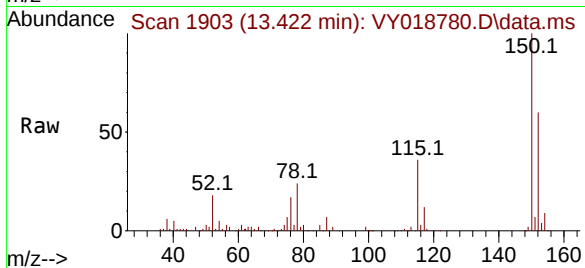
Tgt Ion: 117 Resp: 109540
Ion Ratio Lower Upper
117 100
82 48.6 42.4 63.6
119 32.3 25.9 38.9



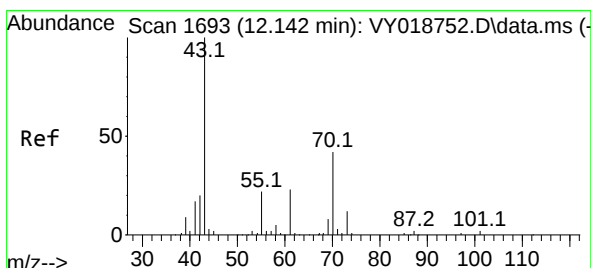
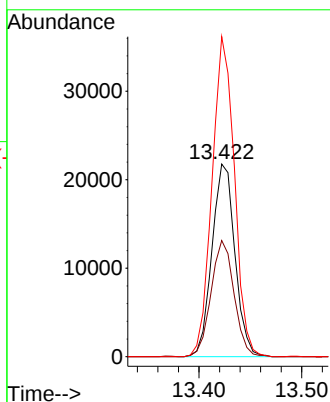
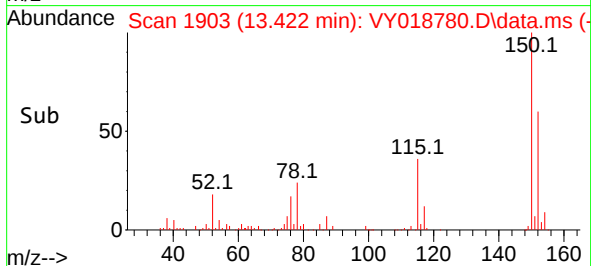


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY018780.D
 Acq: 11 Jul 2024 15:59

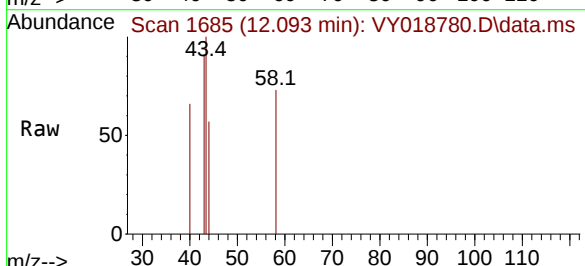
Instrument :
 MSVOA_Y
 ClientSampleId :



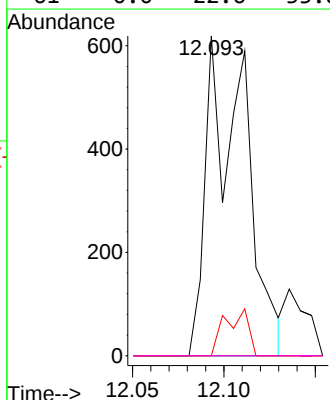
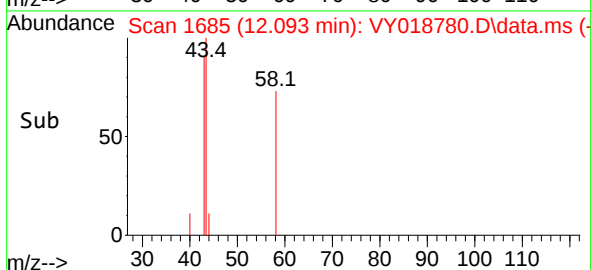
Tgt Ion:152 Resp: 33765
 Ion Ratio Lower Upper
 152 100
 115 60.5 28.2 84.7
 150 161.7 0.0 345.6

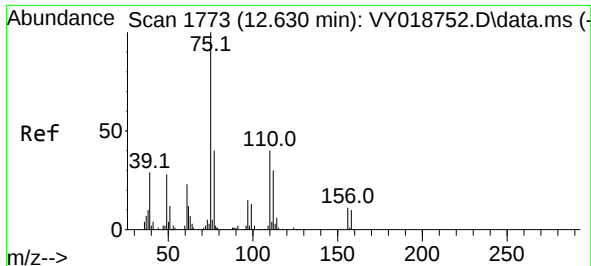


#74
 N-ethyl acetate
 Concen: 1.801 ug/l
 RT: 12.093 min Scan# 1685
 Delta R.T. -0.049 min
 Lab File: VY018780.D
 Acq: 11 Jul 2024 15:59



Tgt Ion: 43 Resp: 910
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.4 62.2#
 55 8.9 23.3 34.9#
 61 0.0 22.6 33.8#

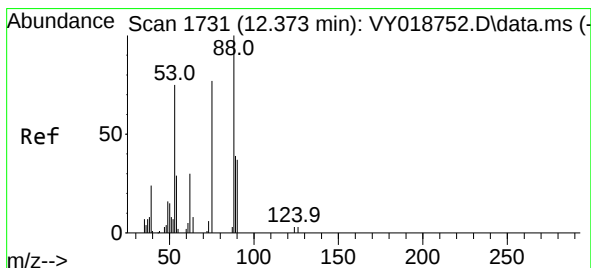
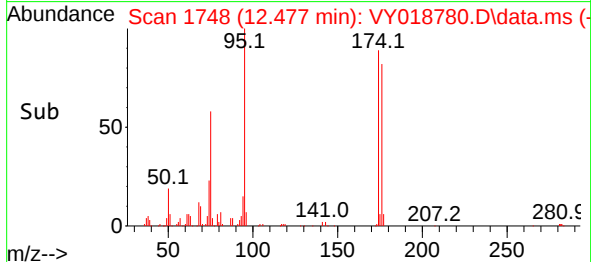
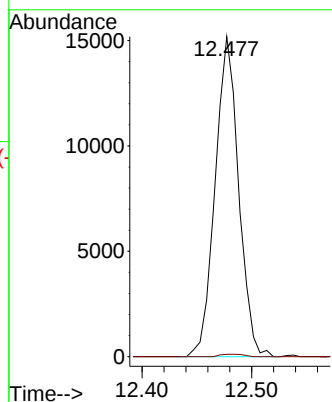
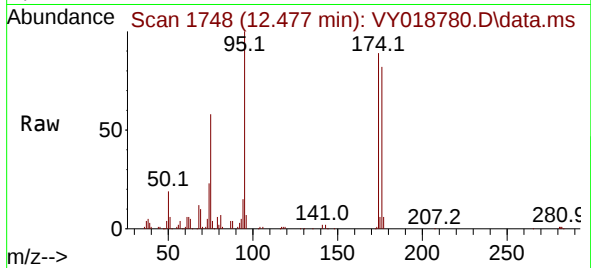




#76
1,2,3-Trichloropropane
Concen: 85.504 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

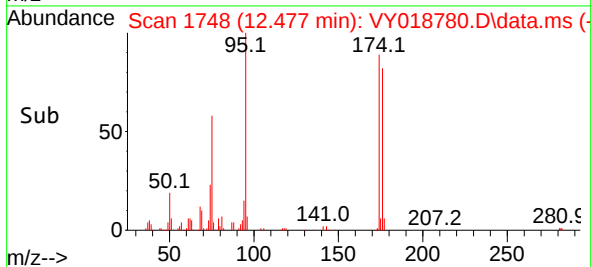
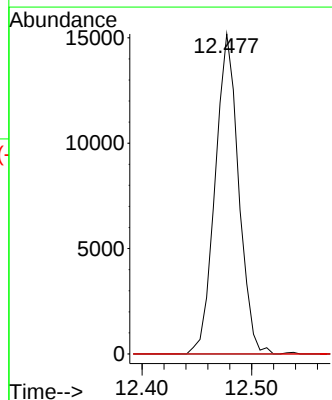
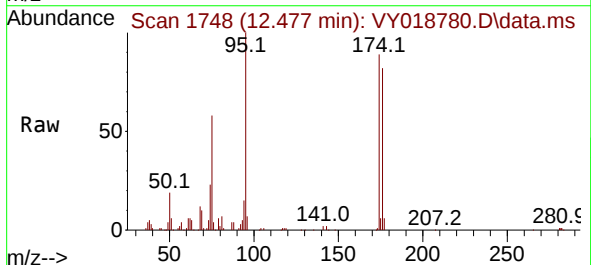
Instrument :
MSVOA_Y
ClientSampleId :

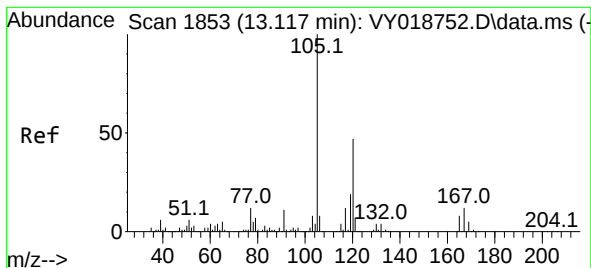
Tgt Ion: 75 Resp: 22612
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 191.364 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018780.D
Acq: 11 Jul 2024 15:59

Tgt Ion: 75 Resp: 22612
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 1.241 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY018780.D

Acq: 11 Jul 2024 15:59

Instrument :

MSVOA_Y

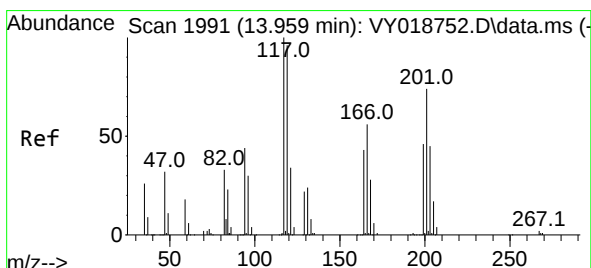
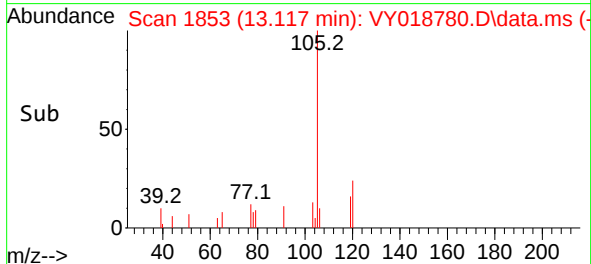
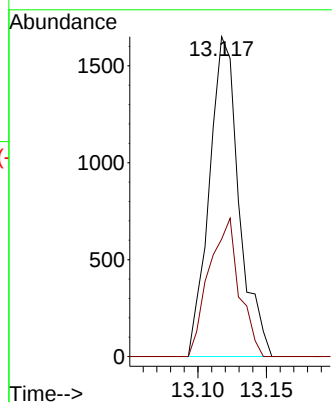
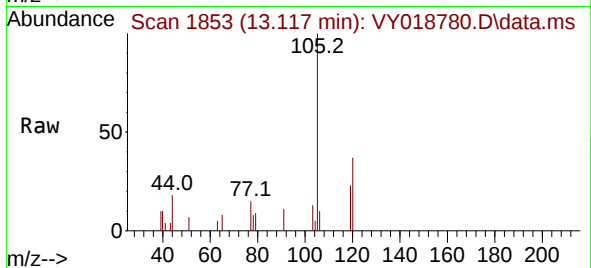
ClientSampleId :

Tgt Ion:105 Resp: 2493

Ion Ratio Lower Upper

105 100

120 44.2 23.2 69.6



#90

Hexachloroethane

Concen: 1.279 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY018780.D

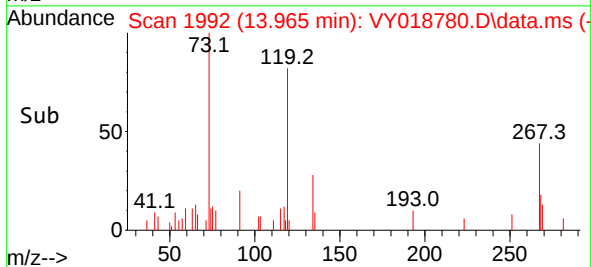
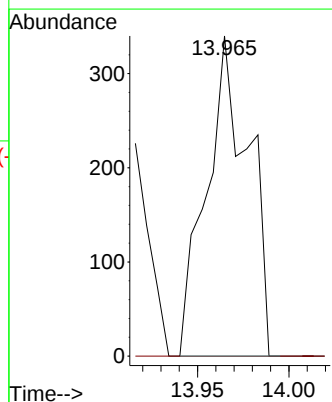
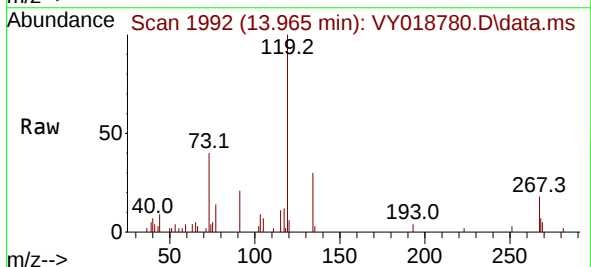
Acq: 11 Jul 2024 15:59

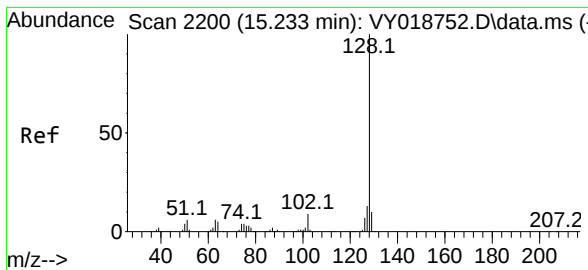
Tgt Ion:117 Resp: 544

Ion Ratio Lower Upper

117 100

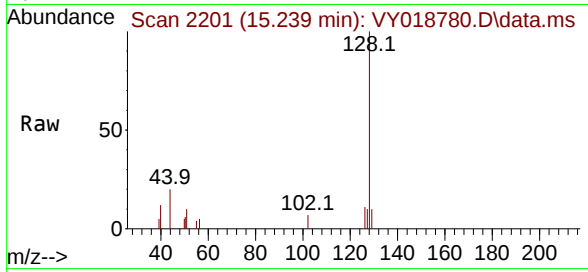
201 0.0 37.4 112.2#





#95
 Naphthalene
 Concen: 2.119 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY018780.D
 Acq: 11 Jul 2024 15:59

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	2221
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	9.2	8.6	13.0

