

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
 Data File : VY018794.D
 Acq On : 12 Jul 2024 13:49
 Operator : SY/MD
 Sample : P3224-33
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 356STEVEN-18

Quant Time: Jul 12 23:38:00 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)

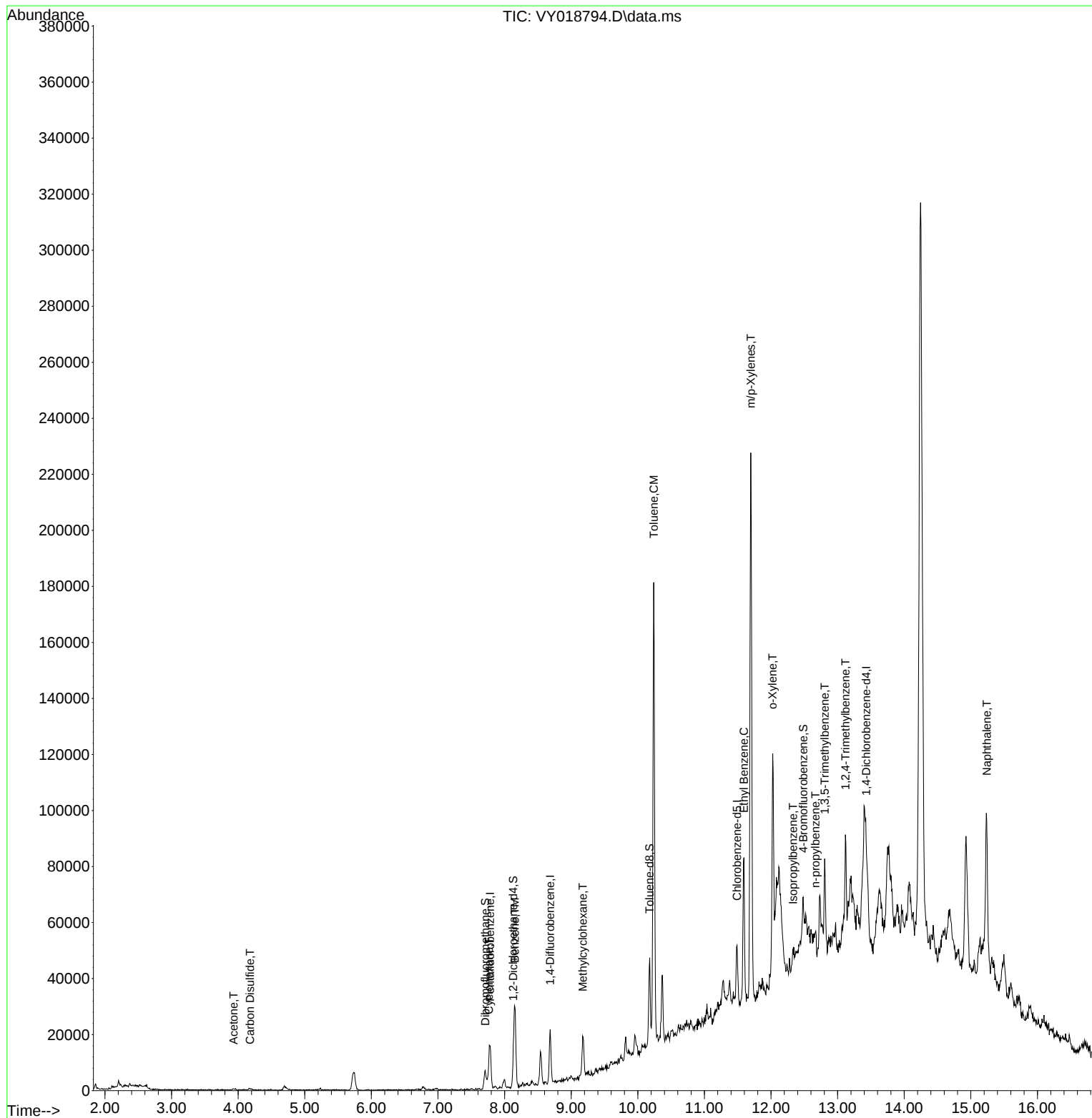
Internal Standards						
1) Pentafluorobenzene	7.783	168	9758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	15123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11524	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	3753	39.085	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.180%
35) Dibromofluoromethane	7.709	113	4315	45.556	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.120%
50) Toluene-d8	10.178	98	16964	47.273	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.540%
62) 4-Bromofluorobenzene	12.483	95	7013	57.226	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	114.460%
Target Compounds						
					Qvalue	
16) Acetone	3.930	43	806	45.530	ug/l	98
17) Carbon Disulfide	4.180	76	922	3.493	ug/l	# 76
31) Cyclohexane	7.764	56	2316	15.700	ug/l	# 76
39) Methylcyclohexane	9.172	83	6430	38.385	ug/l	# 85
40) Benzene	8.154	78	29775	78.522	ug/l	97
52) Toluene	10.239	92	67538	267.975	ug/l	99
67) Ethyl Benzene	11.593	91	34361	80.685	ug/l	93
68) m/p-Xylenes	11.696	106	57109	341.727	ug/l	99
69) o-Xylene	12.026	106	19816	126.123	ug/l	93
73) Isopropylbenzene	12.330	105	3161	12.951	ug/l	# 66
78) n-propylbenzene	12.666	91	6896	23.792	ug/l	94
80) 1,3,5-Trimethylbenzene	12.806	105	8193	41.025	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	20393	102.760	ug/l	88
95) Naphthalene	15.238	128	29555	285.489	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
Data File : VY018794.D
Acq On : 12 Jul 2024 13:49
Operator : SY/MD
Sample : P3224-33
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

Quant Time: Jul 12 23:38:00 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

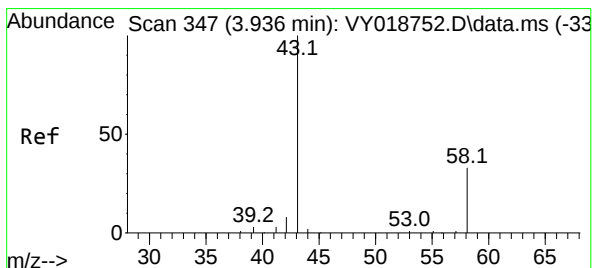
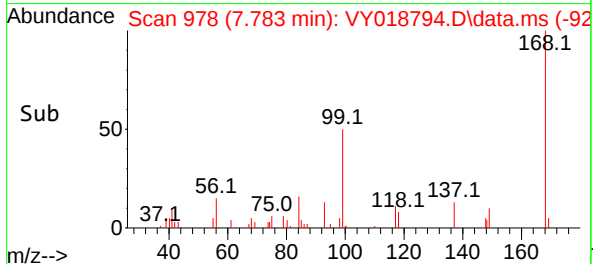
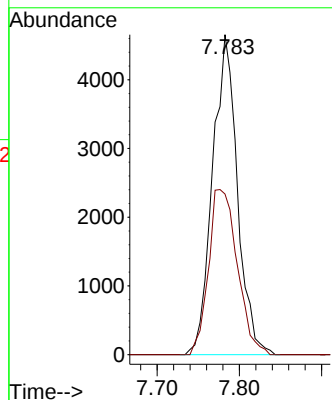
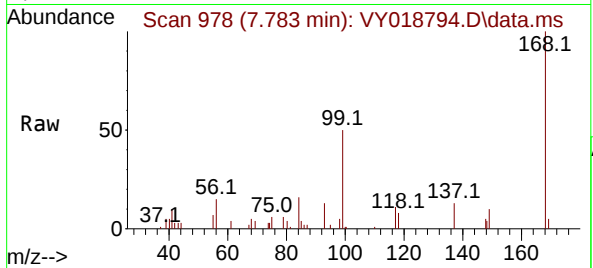




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

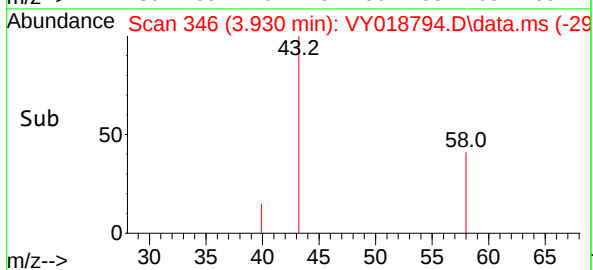
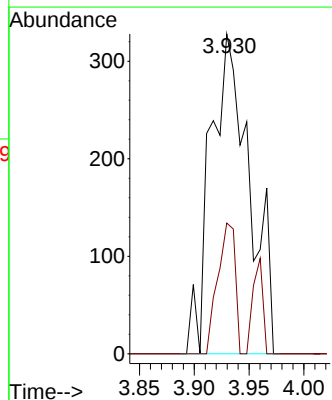
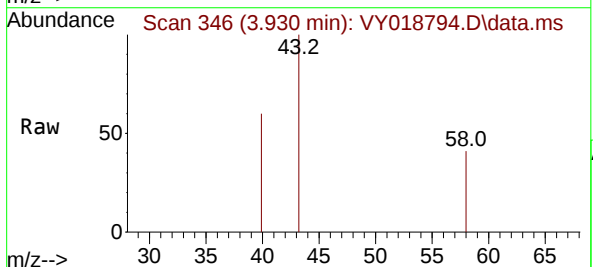
Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

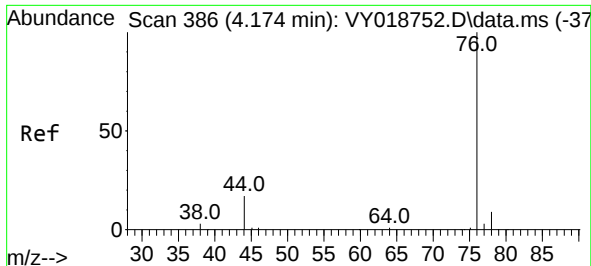
Tgt Ion:168 Resp: 9758
Ion Ratio Lower Upper
168 100
99 50.2 39.1 58.7



#16
Acetone
Concen: 45.530 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
58 40.9 31.7 47.5

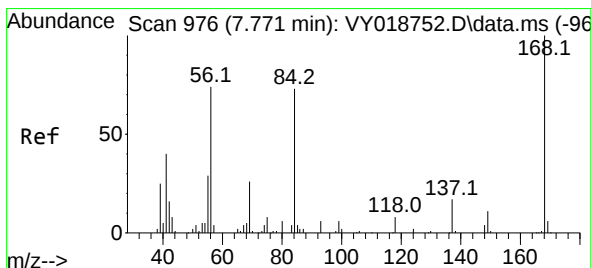
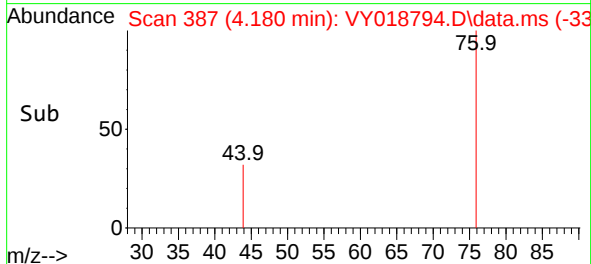
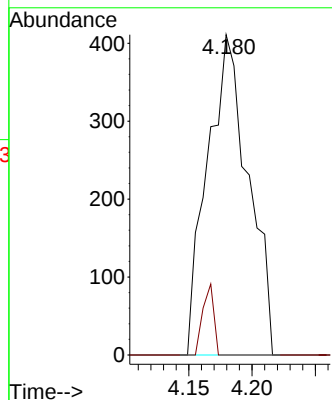
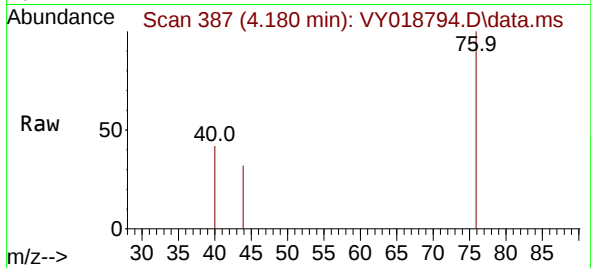




#17
Carbon Disulfide
Concen: 3.493 ug/l
RT: 4.180 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

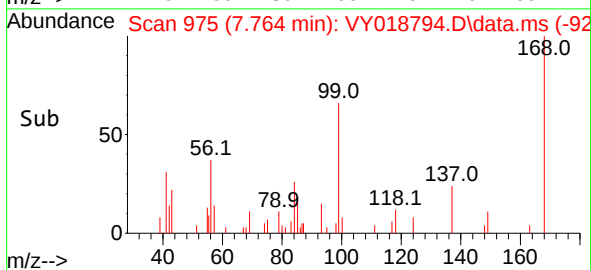
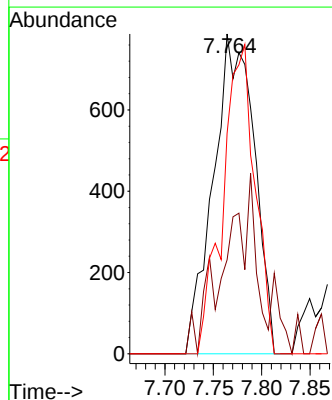
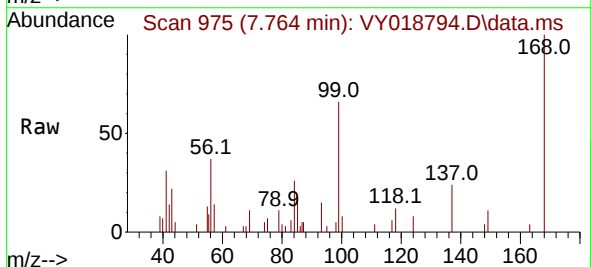
Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

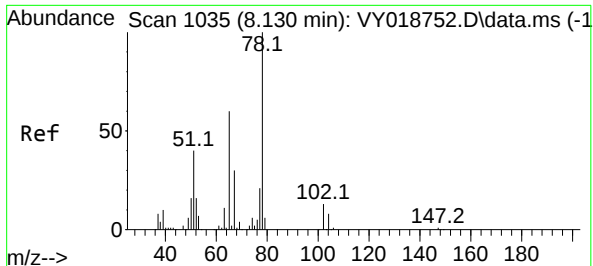
Tgt Ion: 76 Resp: 922
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#31
Cyclohexane
Concen: 15.700 ug/l
RT: 7.764 min Scan# 975
Delta R.T. -0.006 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

Tgt Ion: 56 Resp: 2316
Ion Ratio Lower Upper
56 100
69 29.4 28.7 43.1
84 68.9 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 39.085 ug/l

RT: 8.130 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY018794.D

Acq: 12 Jul 2024 13:49

Instrument :

MSVOA_Y

ClientSampleId :

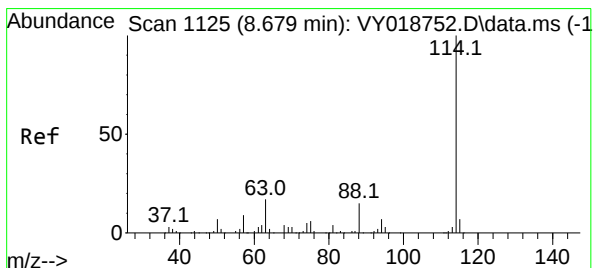
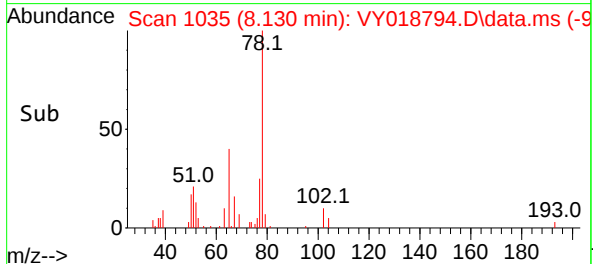
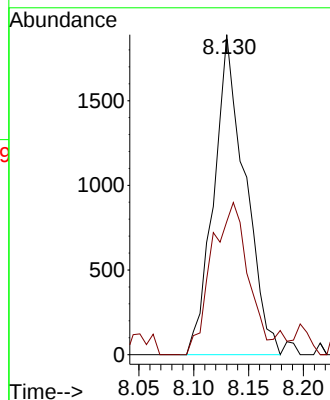
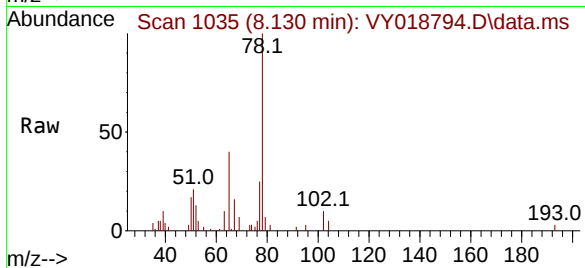
356STEVEN-18

Tgt Ion: 65 Resp: 3753

Ion Ratio Lower Upper

65 100

67 56.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018794.D

Acq: 12 Jul 2024 13:49

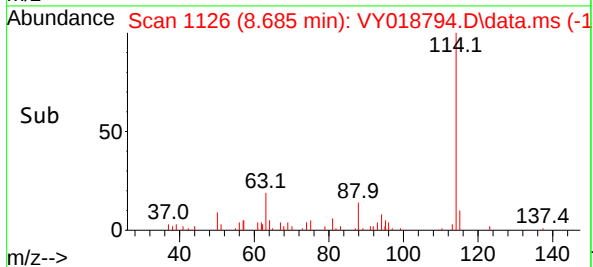
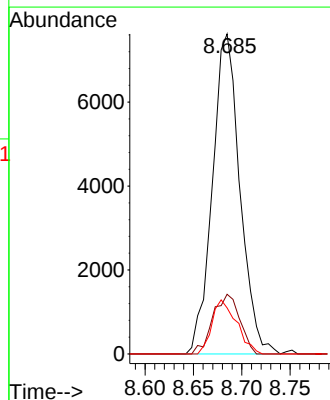
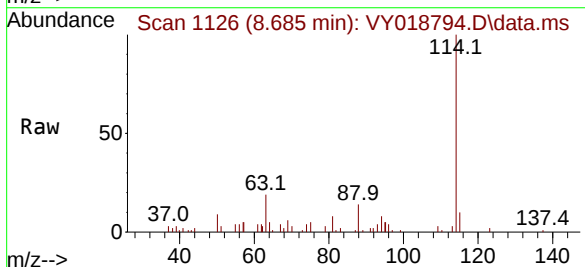
Tgt Ion: 114 Resp: 15123

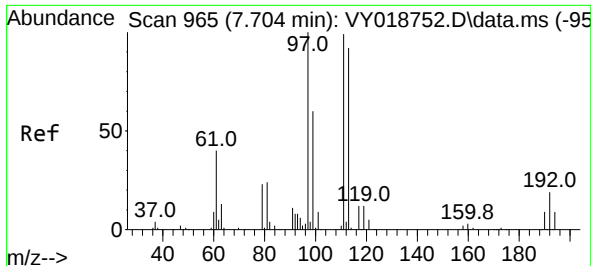
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

88 14.4 0.0 27.2

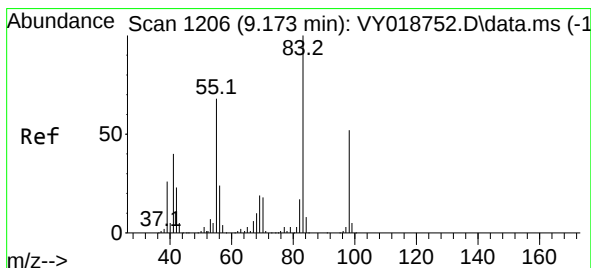
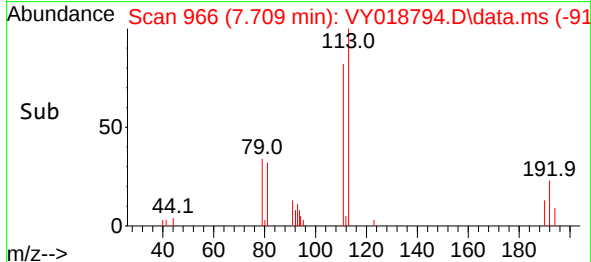
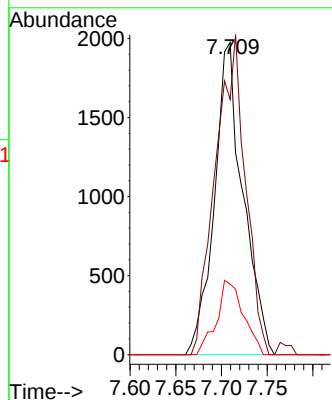
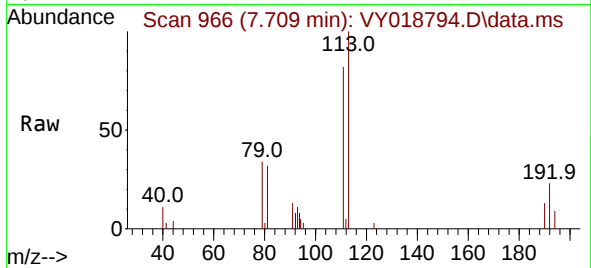




#35
Dibromofluoromethane
Concen: 45.556 ug/l
RT: 7.709 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

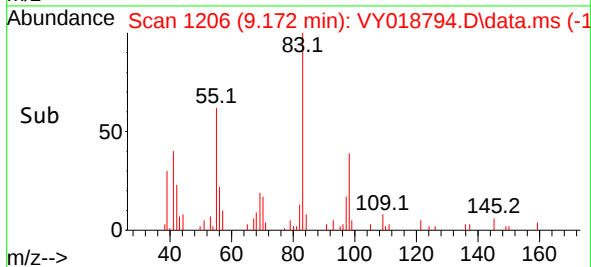
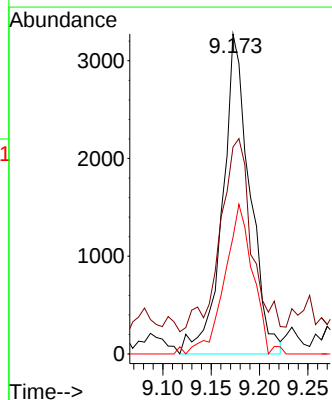
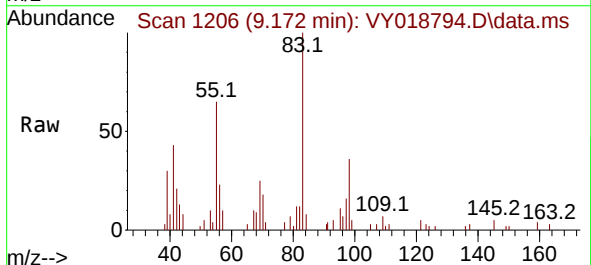
Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

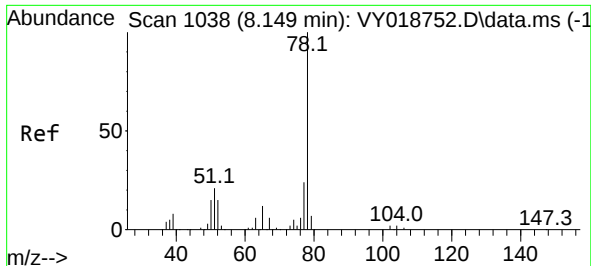
Tgt Ion:113 Resp: 4315
Ion Ratio Lower Upper
113 100
111 107.0 82.2 123.4
192 22.2 15.9 23.9



#39
Methylcyclohexane
Concen: 38.385 ug/l
RT: 9.172 min Scan# 1206
Delta R.T. -0.000 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

Tgt Ion: 83 Resp: 6430
Ion Ratio Lower Upper
83 100
55 57.7 51.5 77.3
98 34.2 40.5 60.7#

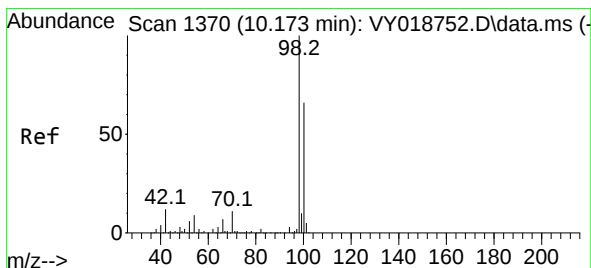
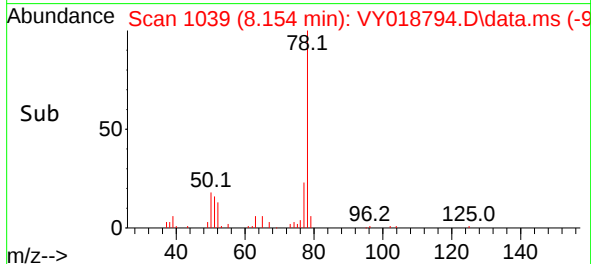
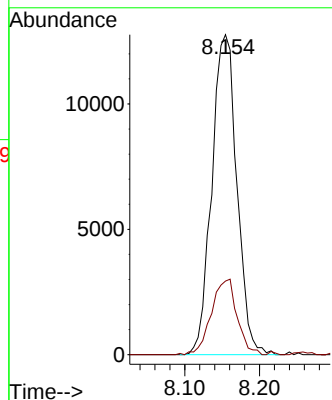
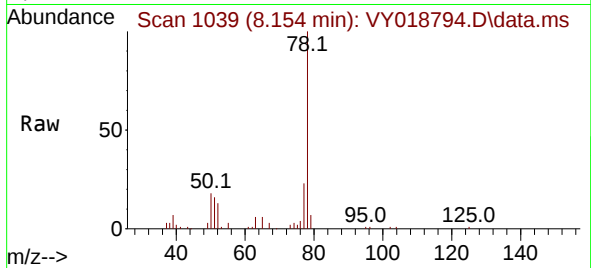




#40
Benzene
Concen: 78.522 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. 0.005 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

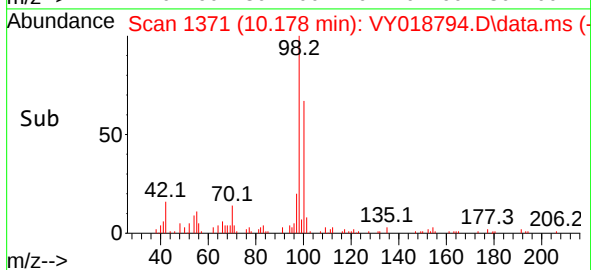
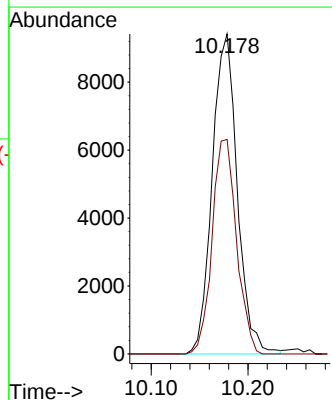
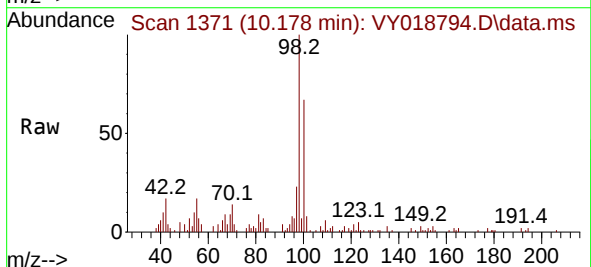
Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

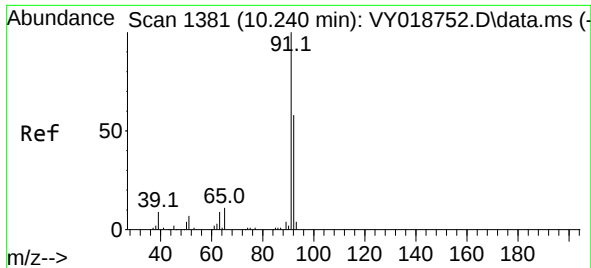
Tgt Ion: 78 Resp: 29775
Ion Ratio Lower Upper
78 100
77 23.0 19.5 29.3



#50
Toluene-d8
Concen: 47.273 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

Tgt Ion: 98 Resp: 16964
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

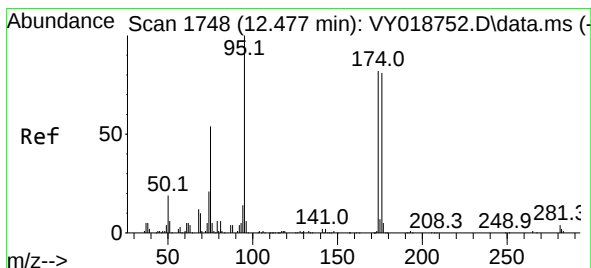
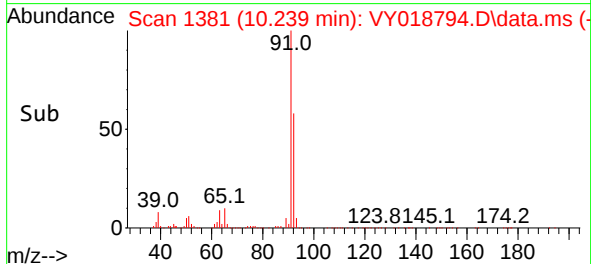
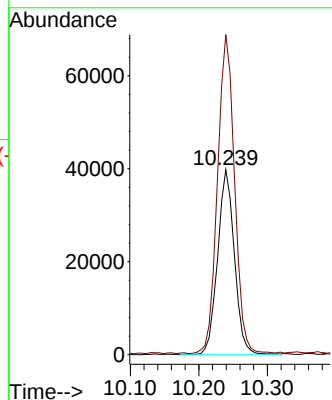
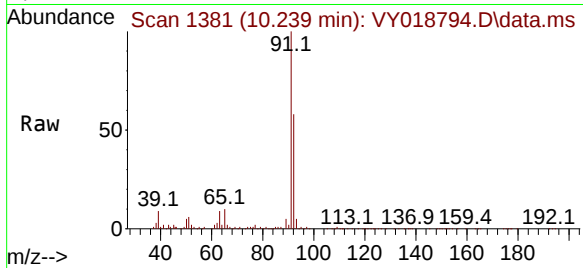




#52
Toluene
Concen: 267.975 ug/l
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

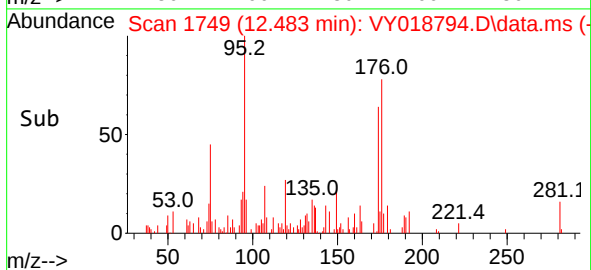
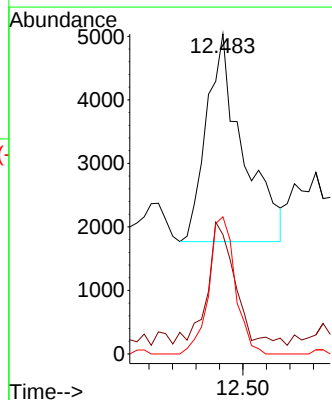
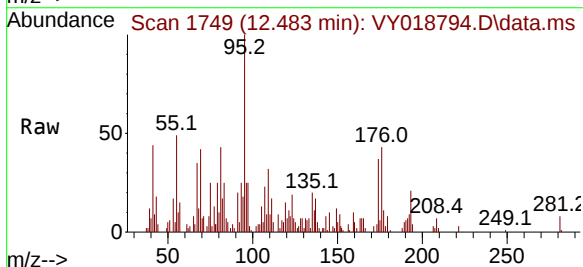
Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

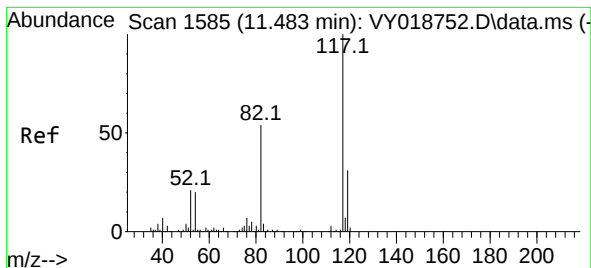
Tgt Ion: 92 Resp: 67538
Ion Ratio Lower Upper
92 100
91 175.0 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 57.226 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

Tgt Ion: 95 Resp: 7013
Ion Ratio Lower Upper
95 100
174 42.9 0.0 175.6
176 47.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018794.D

Acq: 12 Jul 2024 13:49

Instrument :

MSVOA_Y

ClientSampleId :

356STEVEN-18

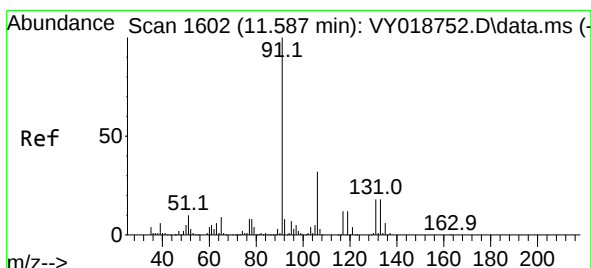
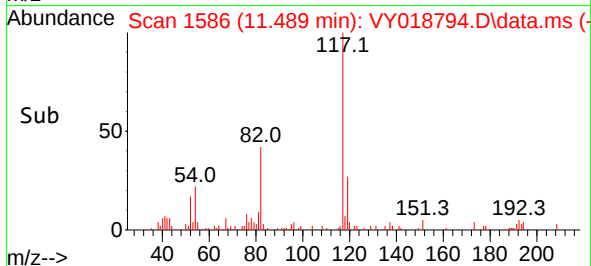
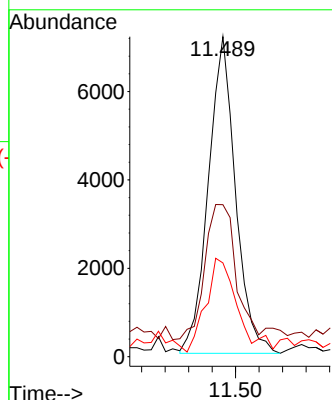
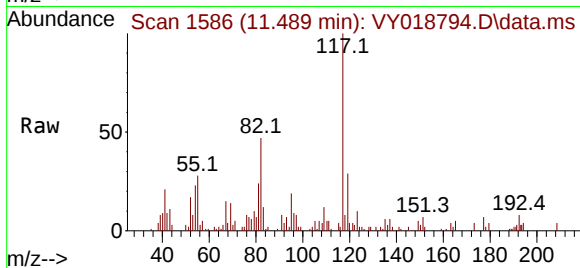
Tgt Ion:117 Resp: 11524

Ion Ratio Lower Upper

117 100

82 42.4 42.4 63.6#

119 26.2 25.9 38.9



#67

Ethyl Benzene

Concen: 80.685 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY018794.D

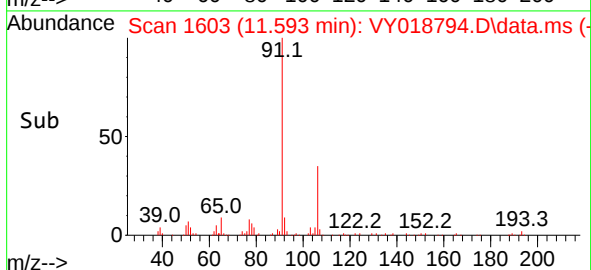
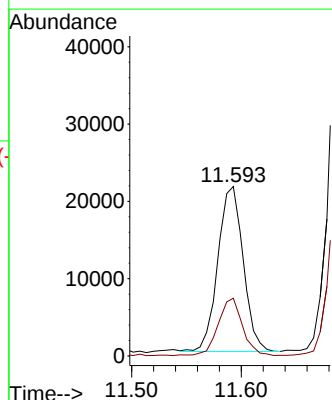
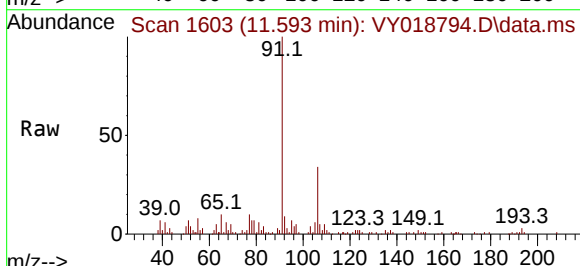
Acq: 12 Jul 2024 13:49

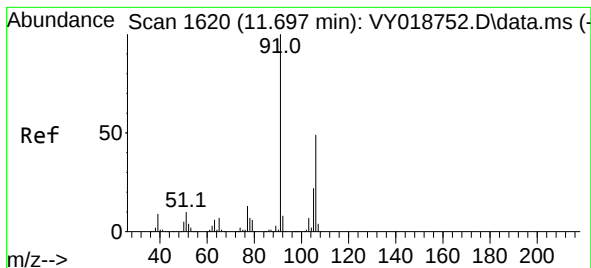
Tgt Ion: 91 Resp: 34361

Ion Ratio Lower Upper

91 100

106 34.7 24.5 36.7

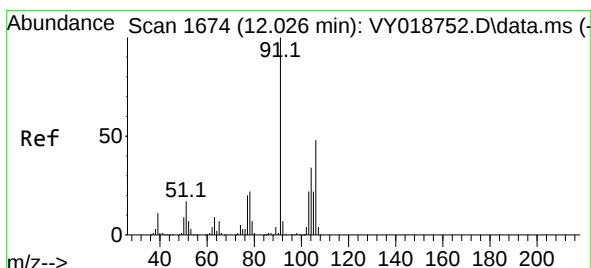
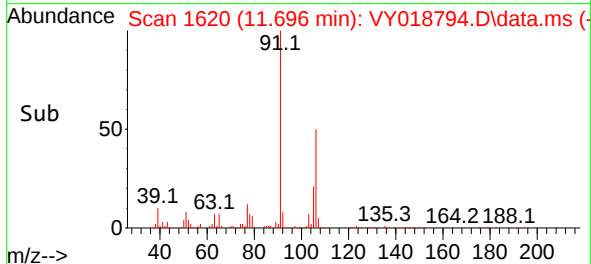
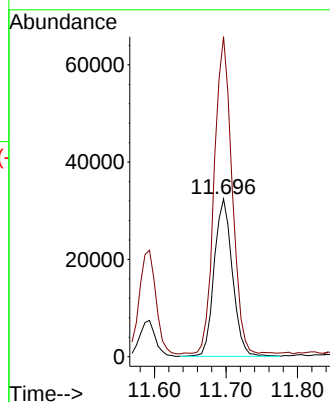
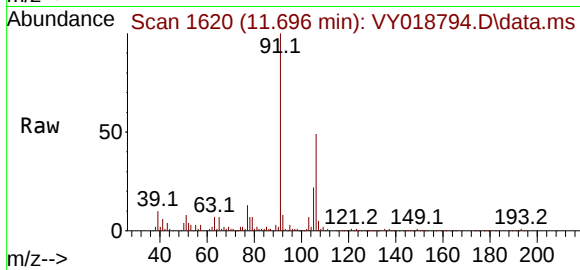




#68
m/p-Xylenes
Concen: 341.727 ug/l
RT: 11.696 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

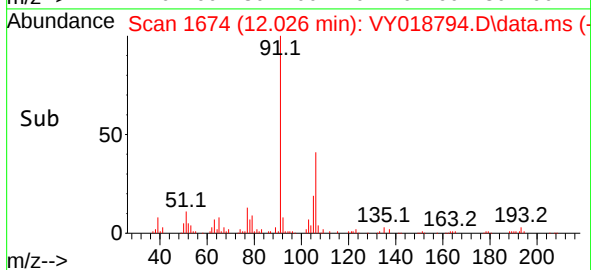
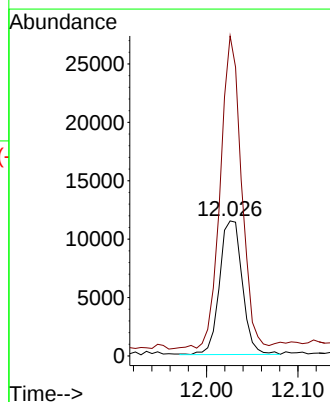
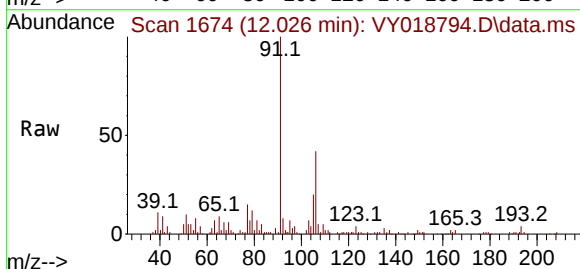
Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

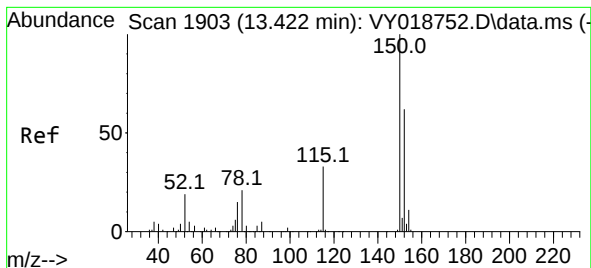
Tgt Ion:106 Resp: 57109
Ion Ratio Lower Upper
106 100
91 197.1 156.0 234.0



#69
o-Xylene
Concen: 126.123 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

Tgt Ion:106 Resp: 19816
Ion Ratio Lower Upper
106 100
91 217.4 103.6 310.8

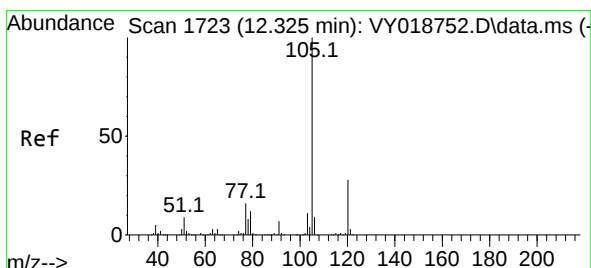
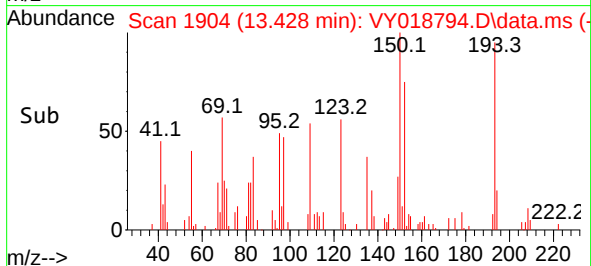
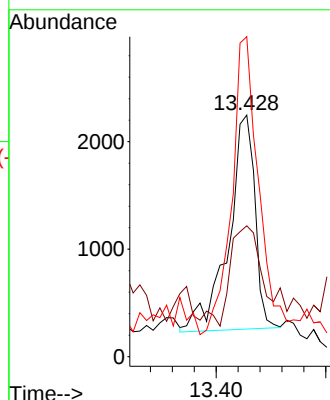
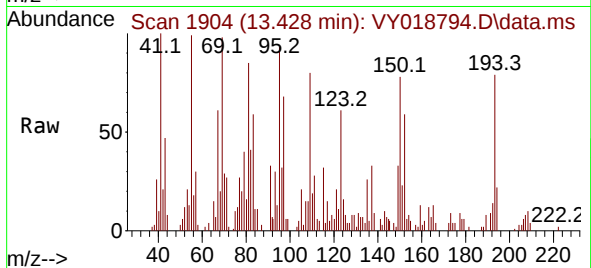




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

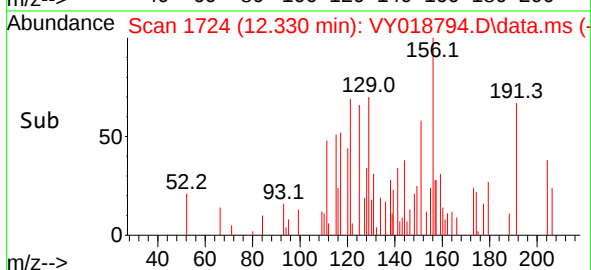
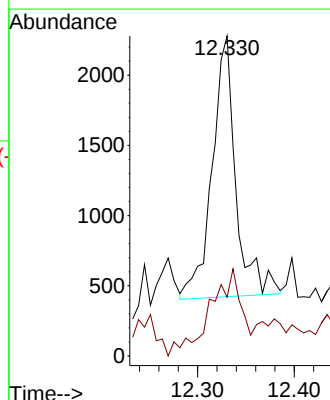
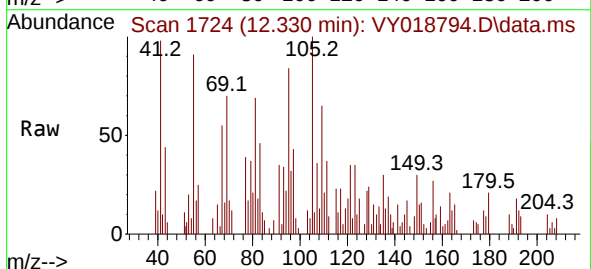
Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

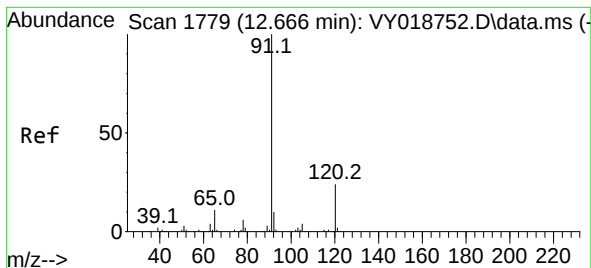
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	28.2	84.7
150	143.1	0.0	345.6



#73
Isopropylbenzene
Concen: 12.951 ug/l
RT: 12.330 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY018794.D
Acq: 12 Jul 2024 13:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	13.4	40.1#





#78

n-propylbenzene

Concen: 23.792 ug/l

RT: 12.666 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018794.D

Acq: 12 Jul 2024 13:49

Instrument :

MSVOA_Y

ClientSampleId :

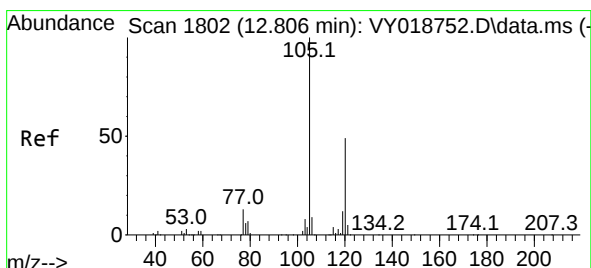
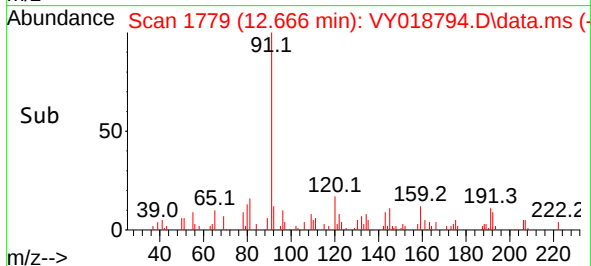
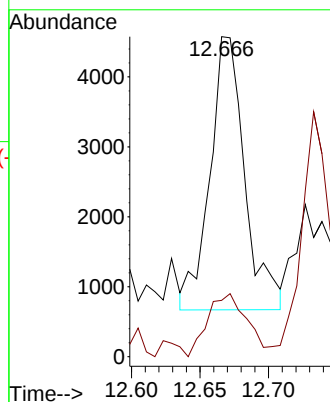
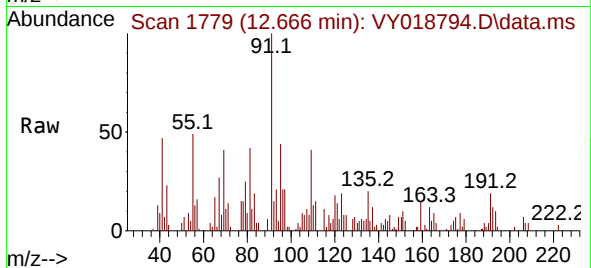
356STEVEN-18

Tgt Ion: 91 Resp: 6896

Ion Ratio Lower Upper

91 100

120 25.9 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 41.025 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.000 min

Lab File: VY018794.D

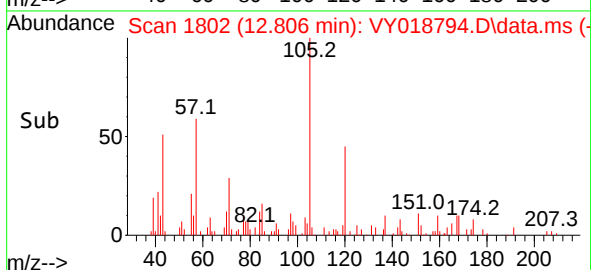
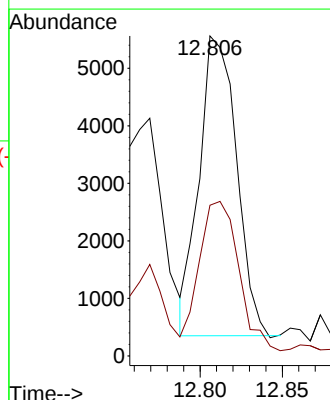
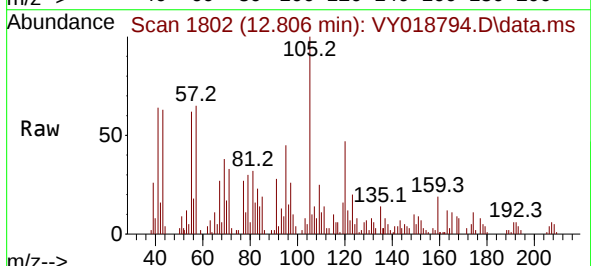
Acq: 12 Jul 2024 13:49

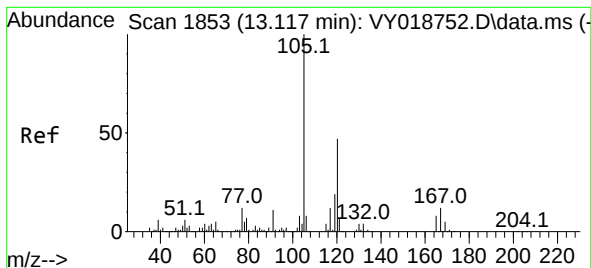
Tgt Ion: 105 Resp: 8193

Ion Ratio Lower Upper

105 100

120 53.2 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 102.760 ug/l

RT: 13.117 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018794.D

Acq: 12 Jul 2024 13:49

Instrument :

MSVOA_Y

ClientSampleId :

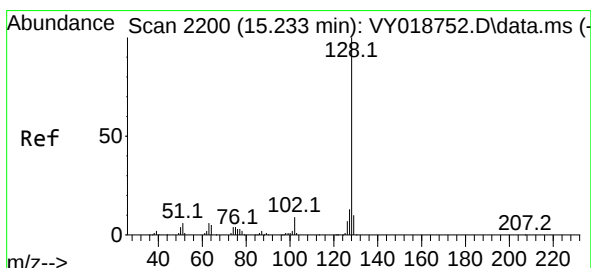
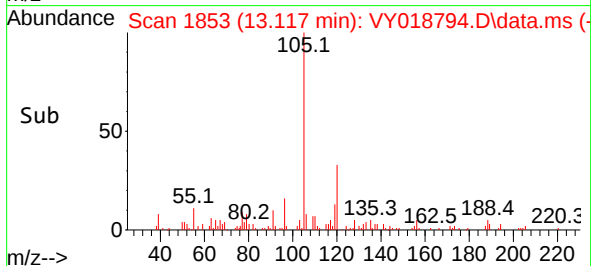
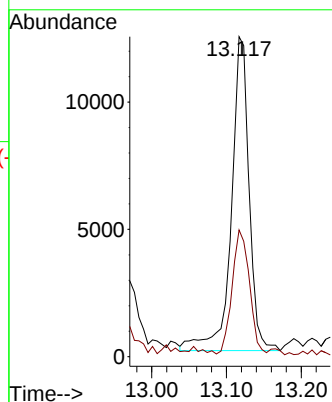
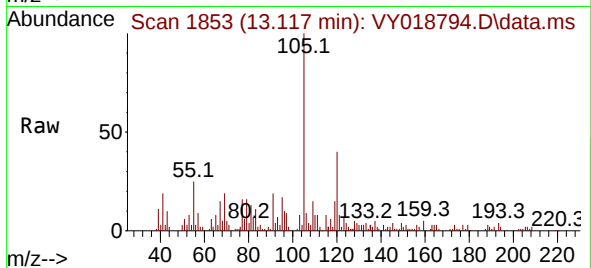
356STEVEN-18

Tgt Ion:105 Resp: 20393

Ion Ratio Lower Upper

105 100

120 38.6 23.2 69.6



#95

Naphthalene

Concen: 285.489 ug/l

RT: 15.238 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY018794.D

Acq: 12 Jul 2024 13:49

Tgt Ion:128 Resp: 29555

Ion Ratio Lower Upper

128 100

127 14.8 10.6 16.0

129 10.9 8.6 13.0

