

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091224\
 Data File : VY019528.D
 Acq On : 12 Sep 2024 15:24
 Operator : SY/MD
 Sample : P3911-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-1

Quant Time: Sep 12 16:12:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

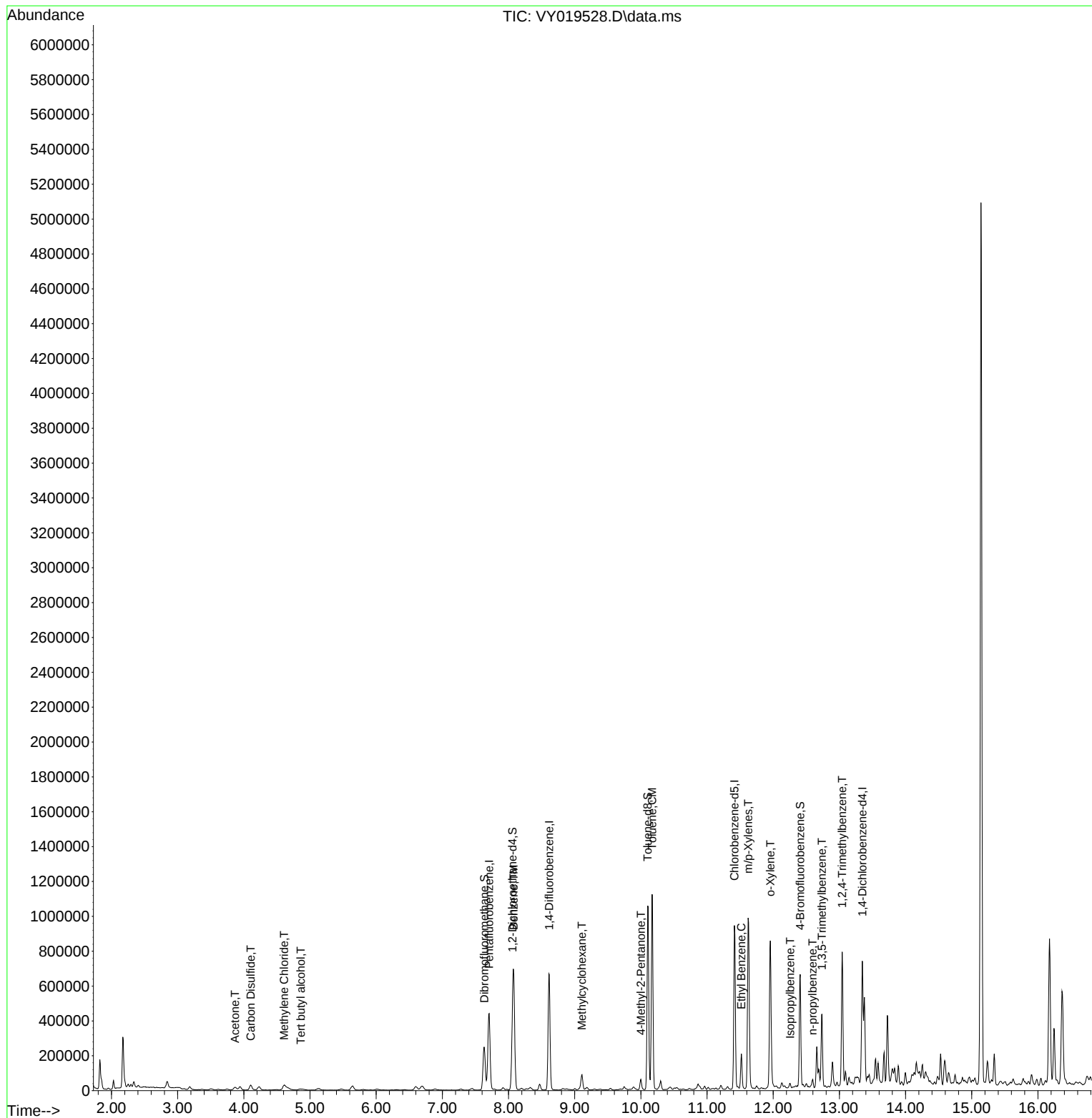
Internal Standards						
1) Pentafluorobenzene	7.707	168	307755	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	568326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	482678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186997	65.619	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 131.240%		
35) Dibromofluoromethane	7.634	113	176933	54.909	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 109.820%		
50) Toluene-d8	10.103	98	668454	56.085	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 112.180%		
62) 4-Bromofluorobenzene	12.408	95	207679	45.317	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	= 90.640%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	13047	56.692	ug/l	# 89
16) Acetone	3.866	43	25570	37.663	ug/l	95
17) Carbon Disulfide	4.104	76	54312	7.362	ug/l	99
20) Methylene Chloride	4.610	84	17903	5.782	ug/l	# 87
39) Methylcyclohexane	9.109	83	35963	6.163	ug/l	89
40) Benzene	8.079	78	579854	42.937	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	36412	15.334	ug/l	94
52) Toluene	10.170	92	451947	52.034	ug/l	98
67) Ethyl Benzene	11.517	91	133702	7.925	ug/l	99
68) m/p-Xylenes	11.621	106	286269	44.877	ug/l	94
69) o-Xylene	11.956	106	203791	32.667	ug/l	94
73) Isopropylbenzene	12.255	105	17270	1.477	ug/l	100
78) n-propylbenzene	12.597	91	36213	2.613	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	169260	17.803	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	402501	42.769	ug/l	96

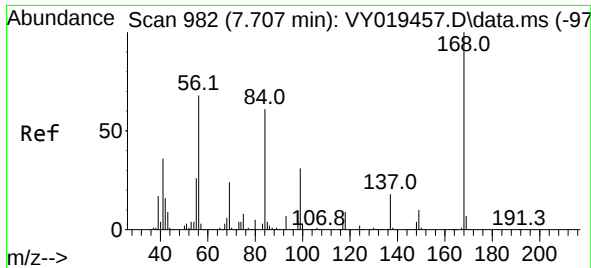
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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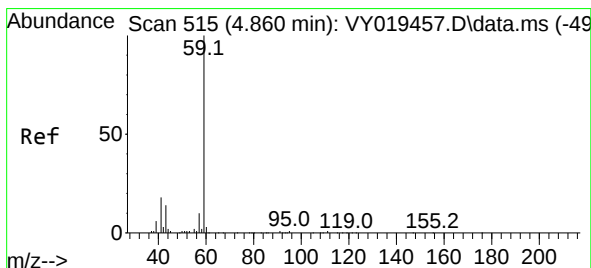
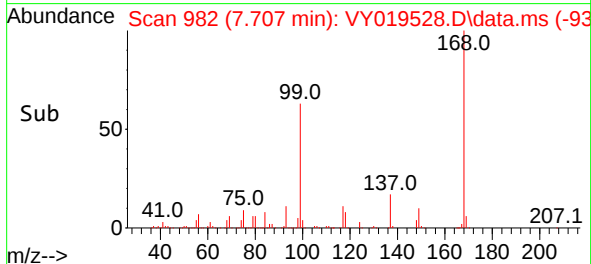
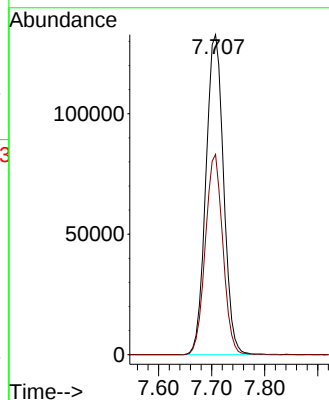
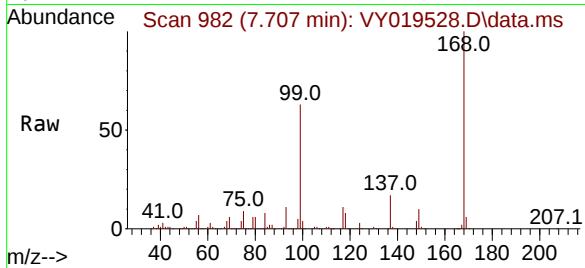




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

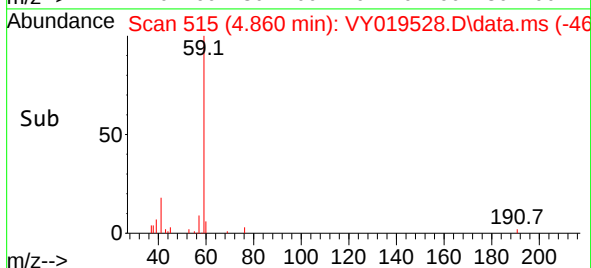
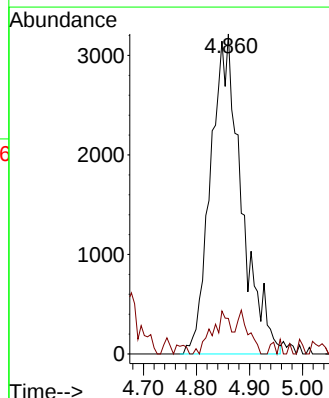
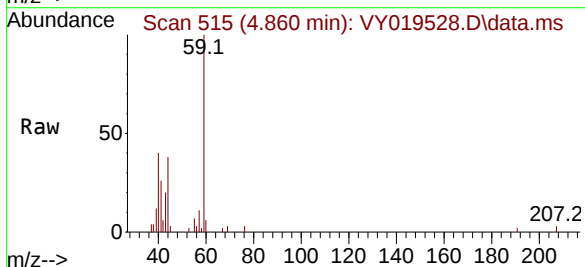
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

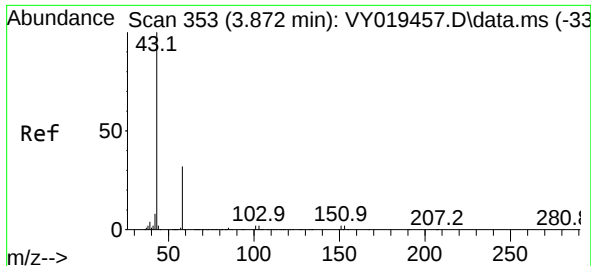
Tgt Ion:168 Resp: 307755
Ion Ratio Lower Upper
168 100
99 62.6 39.1 58.7#



#11
Tert butyl alcohol
Concen: 56.692 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

Tgt Ion: 59 Resp: 13047
Ion Ratio Lower Upper
59 100
57 7.4 3.0 4.6#

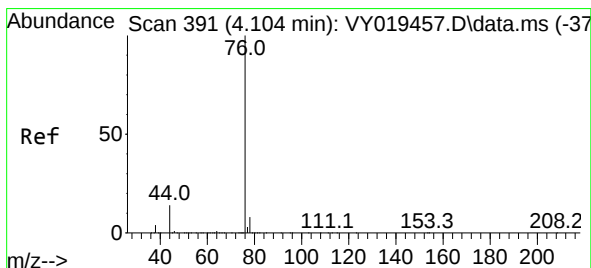
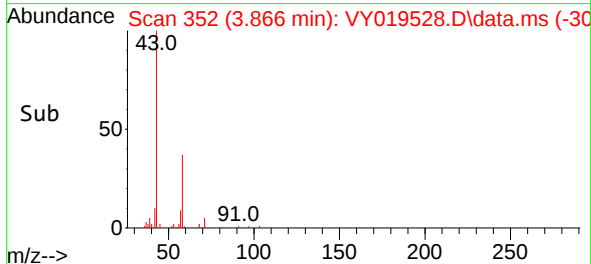
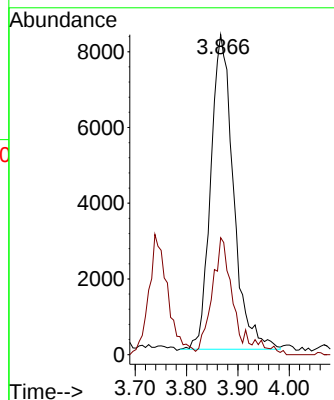
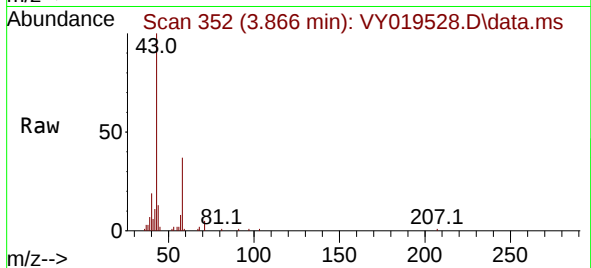




#16
Acetone
Concen: 37.663 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

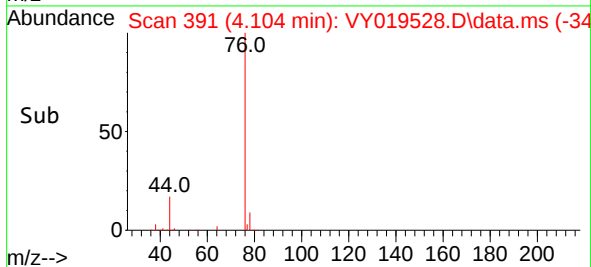
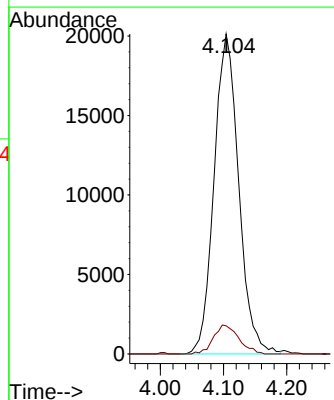
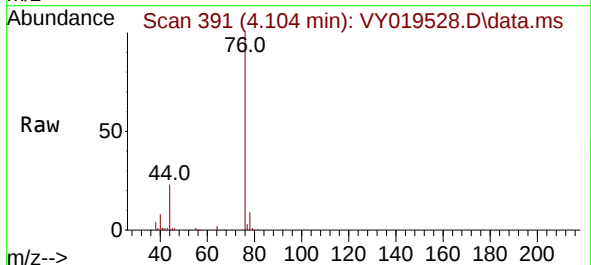
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

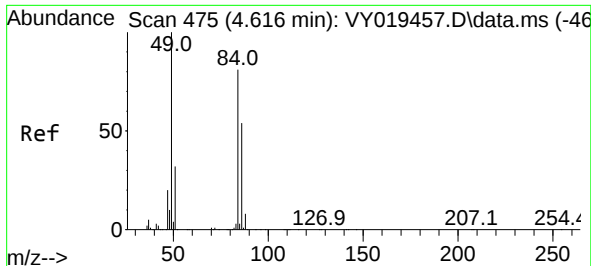
Tgt Ion: 43 Resp: 25570
Ion Ratio Lower Upper
43 100
58 36.5 31.7 47.5



#17
Carbon Disulfide
Concen: 7.362 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

Tgt Ion: 76 Resp: 54312
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2

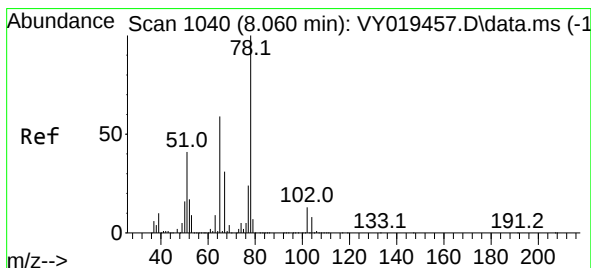
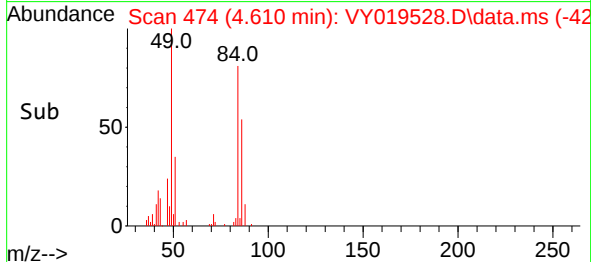
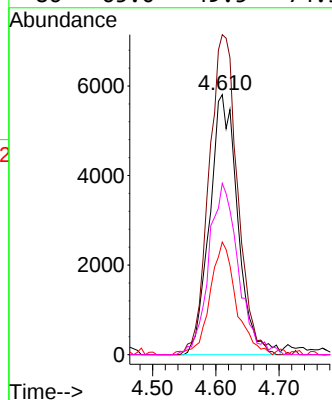
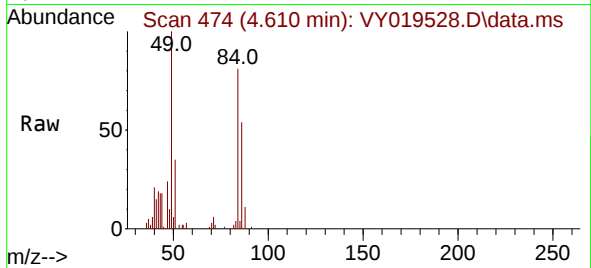




#20
Methylene Chloride
Concen: 5.782 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

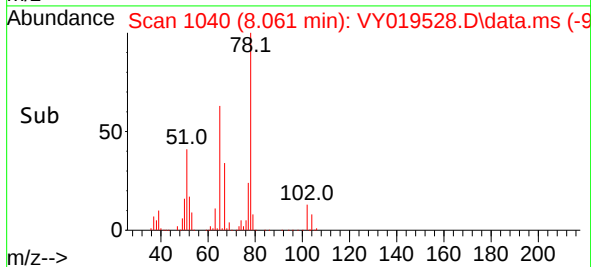
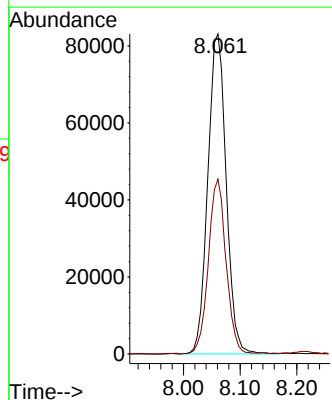
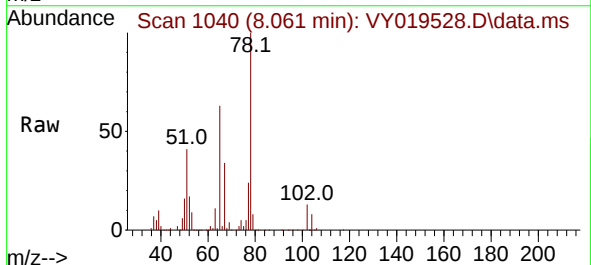
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

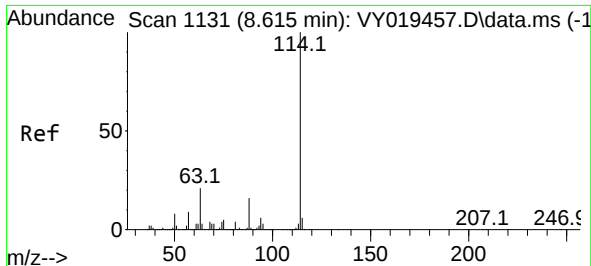
Tgt Ion:	84	Resp:	17903
Ion	Ratio	Lower	Upper
84	100		
49	123.1	84.4	126.6
51	42.0	26.0	39.0#
86	65.0	49.5	74.3



#33
1,2-Dichloroethane-d4
Concen: 65.619 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

Tgt Ion:	65	Resp:	186997
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	109.6

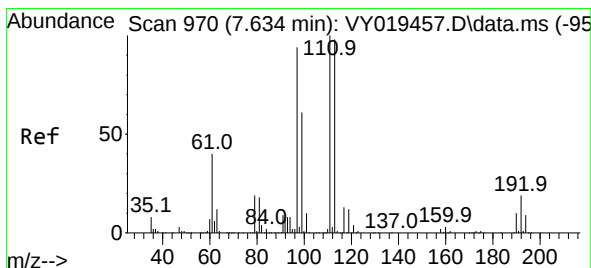
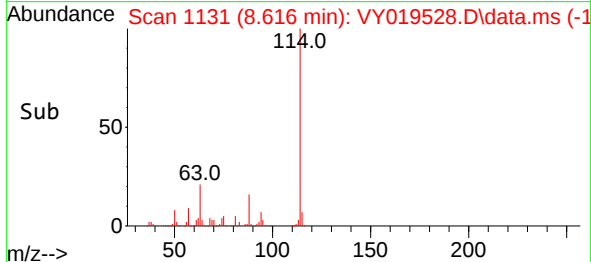
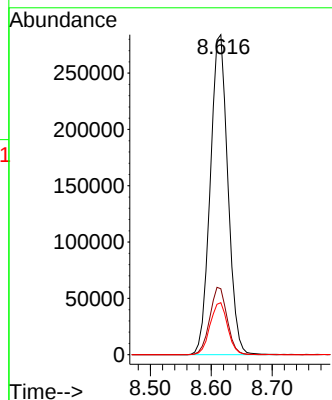
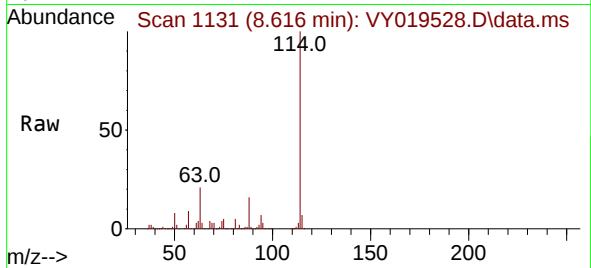




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

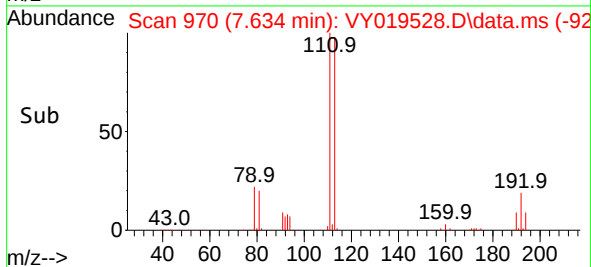
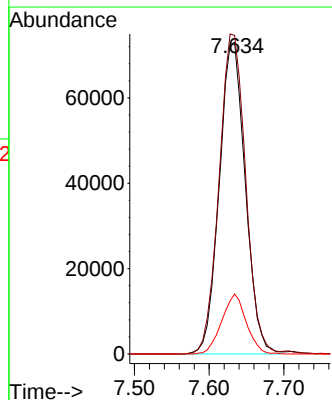
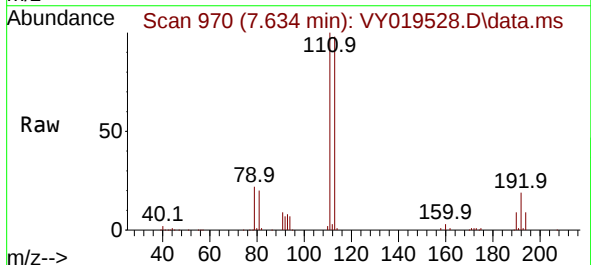
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

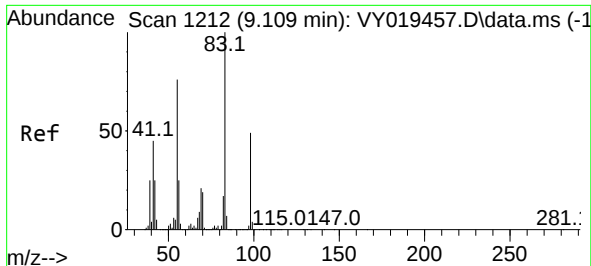
Tgt Ion:114 Resp: 568326
Ion Ratio Lower Upper
114 100
63 20.6 0.0 35.0
88 16.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 54.909 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

Tgt Ion:113 Resp: 176933
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.4
192 18.1 15.9 23.9





#39

Methylcyclohexane

Concen: 6.163 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019528.D

Acq: 12 Sep 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

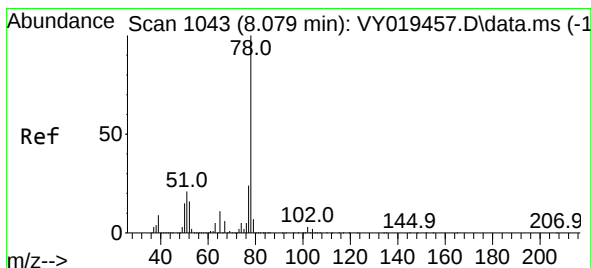
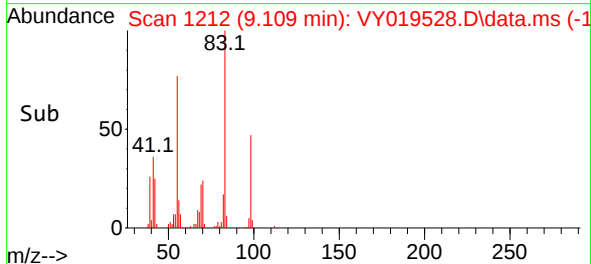
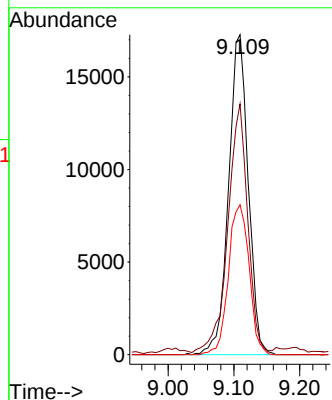
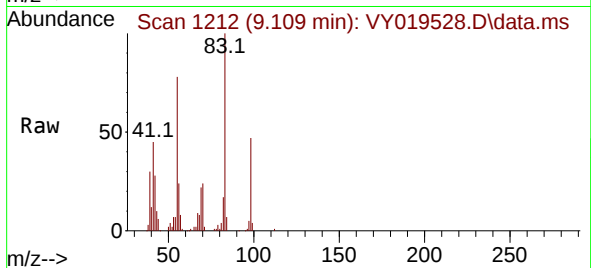
Tgt Ion: 83 Resp: 35963

Ion Ratio Lower Upper

83 100

55 77.1 51.5 77.3

98 46.8 40.5 60.7



#40

Benzene

Concen: 42.937 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY019528.D

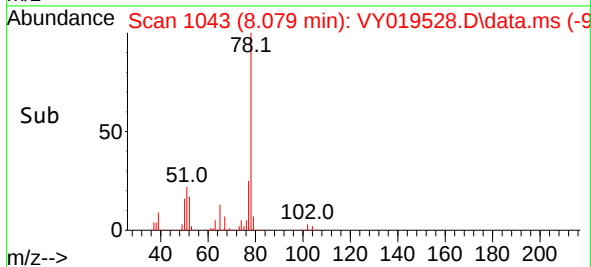
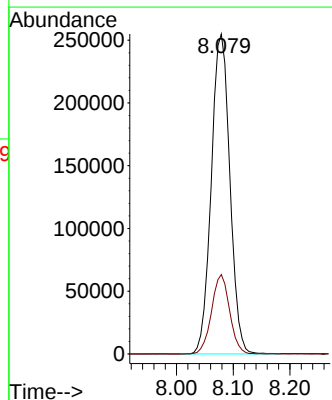
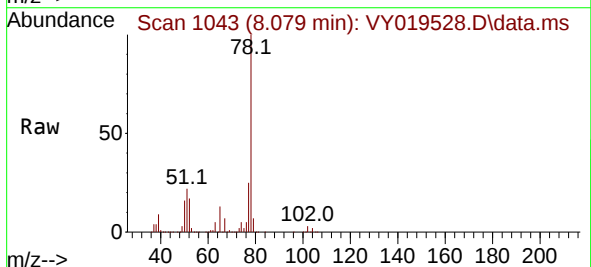
Acq: 12 Sep 2024 15:24

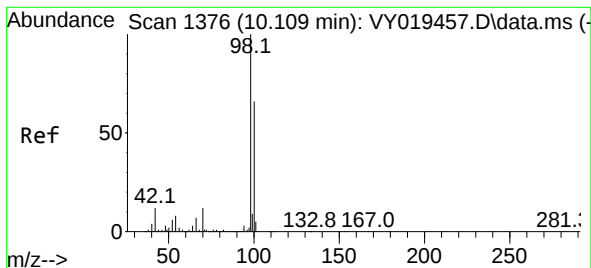
Tgt Ion: 78 Resp: 579854

Ion Ratio Lower Upper

78 100

77 24.8 19.5 29.3





#50

Toluene-d8

Concen: 56.085 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019528.D

Acq: 12 Sep 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

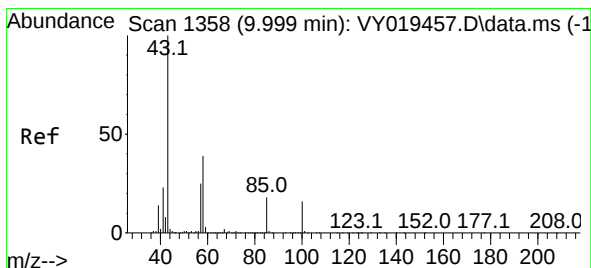
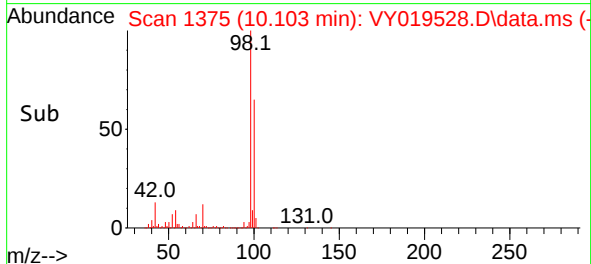
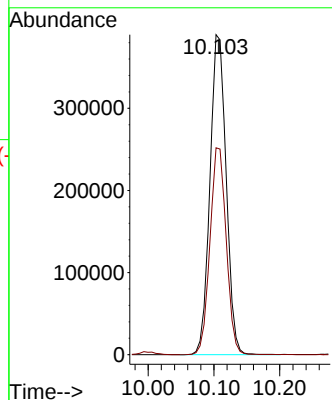
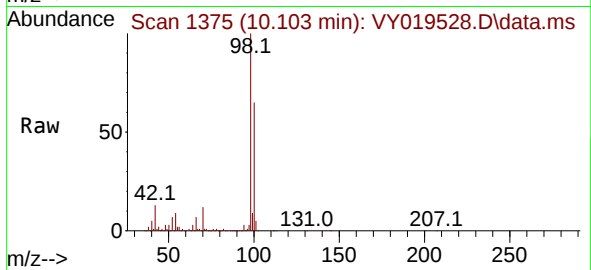
SP-1

Tgt Ion: 98 Resp: 668454

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 15.334 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY019528.D

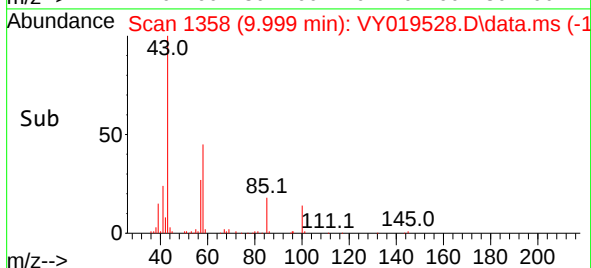
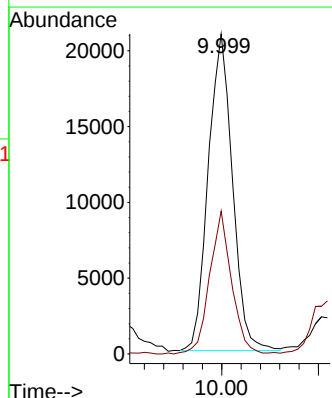
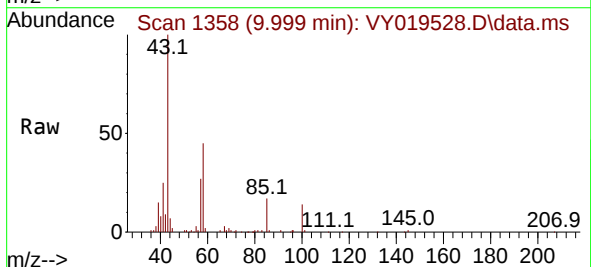
Acq: 12 Sep 2024 15:24

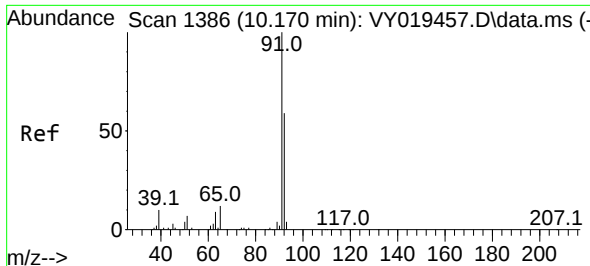
Tgt Ion: 43 Resp: 36412

Ion Ratio Lower Upper

43 100

58 40.9 35.7 53.5

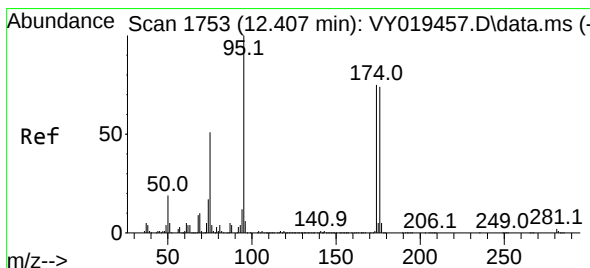
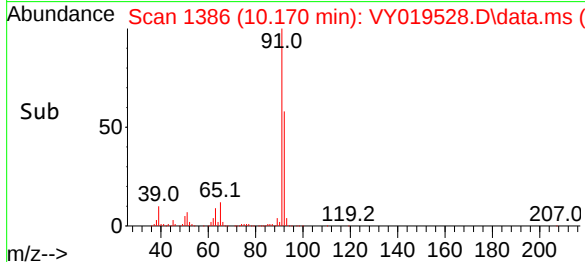
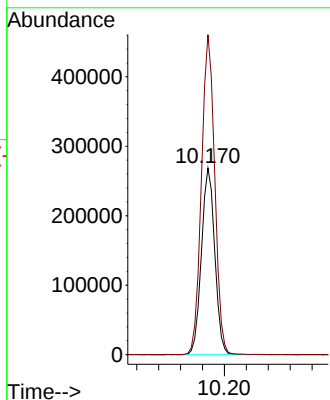
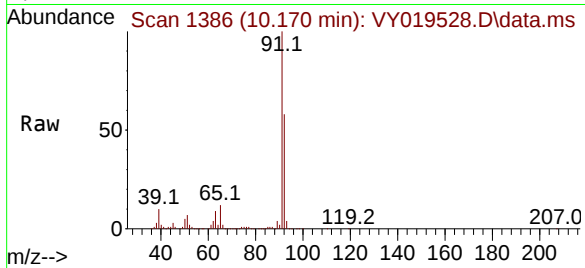




#52
Toluene
Concen: 52.034 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

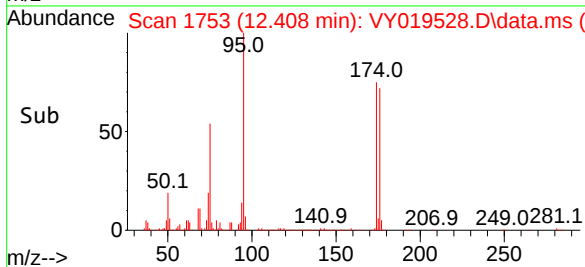
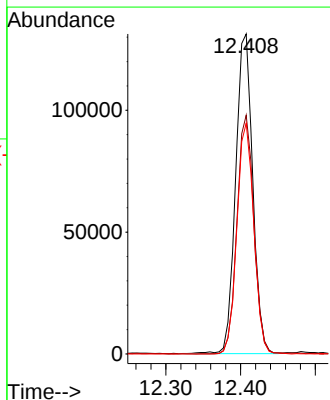
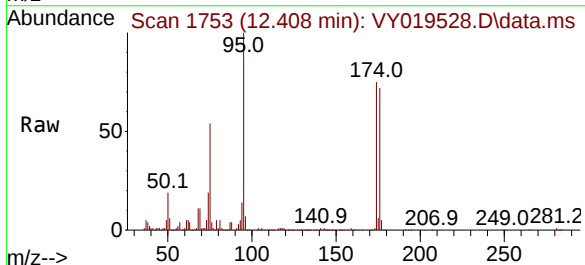
Instrument :
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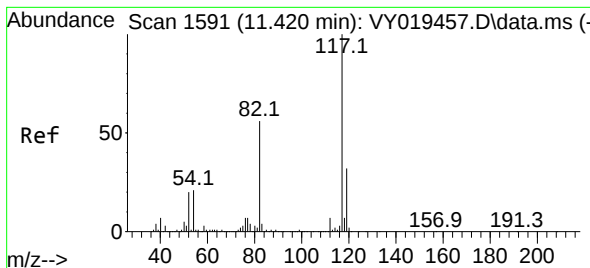
Tgt Ion: 92 Resp: 451947
Ion Ratio Lower Upper
92 100
91 171.0 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 45.317 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

Tgt Ion: 95 Resp: 207679
Ion Ratio Lower Upper
95 100
174 74.1 0.0 175.6
176 71.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019528.D

Acq: 12 Sep 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

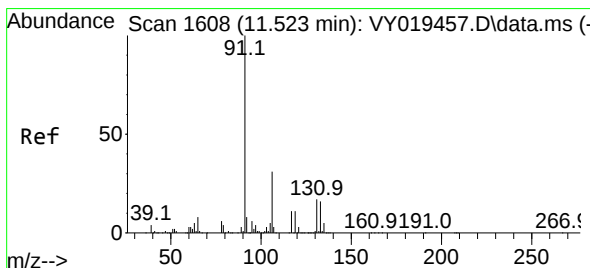
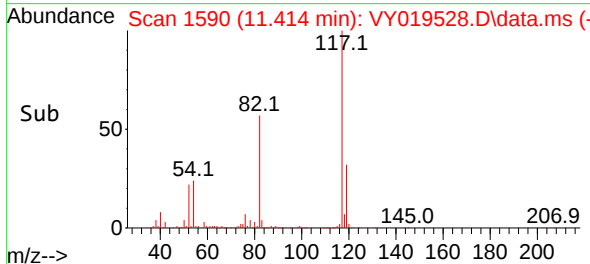
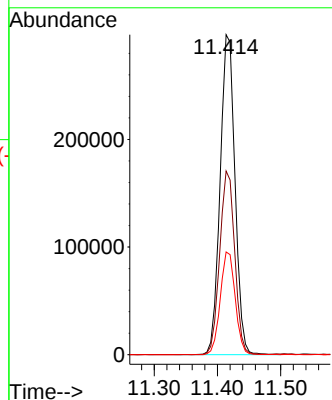
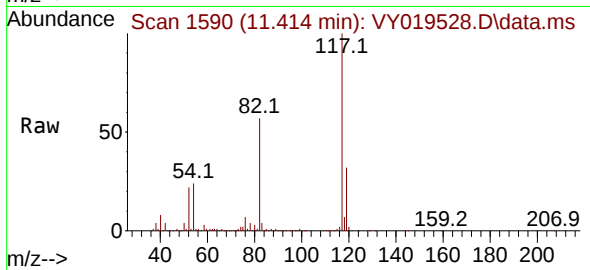
Tgt Ion:117 Resp: 482678

Ion Ratio Lower Upper

117 100

82 57.3 42.4 63.6

119 32.1 25.9 38.9



#67

Ethyl Benzene

Concen: 7.925 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019528.D

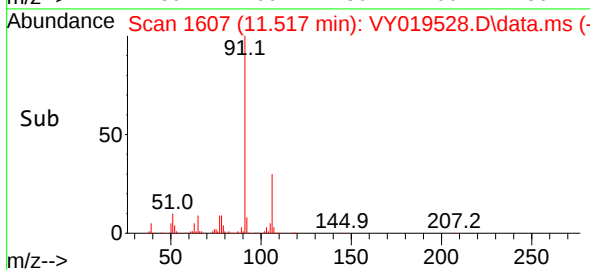
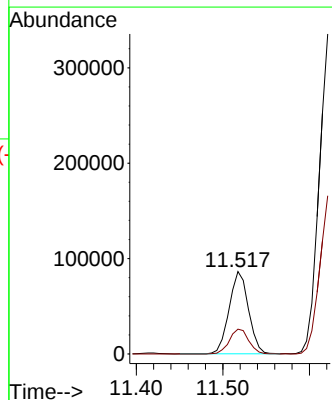
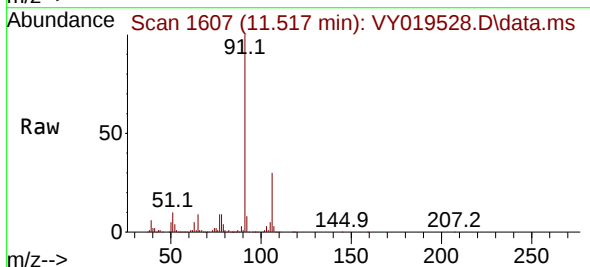
Acq: 12 Sep 2024 15:24

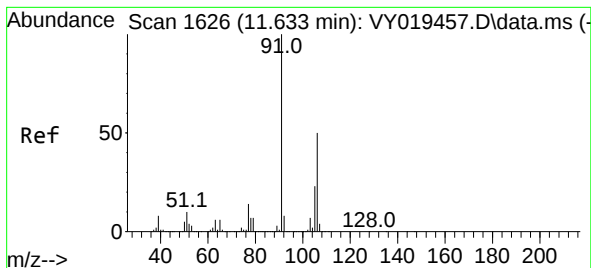
Tgt Ion: 91 Resp: 133702

Ion Ratio Lower Upper

91 100

106 30.1 24.5 36.7

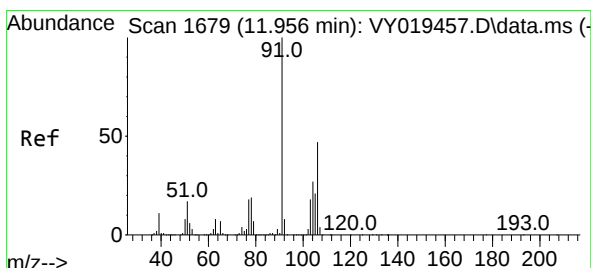
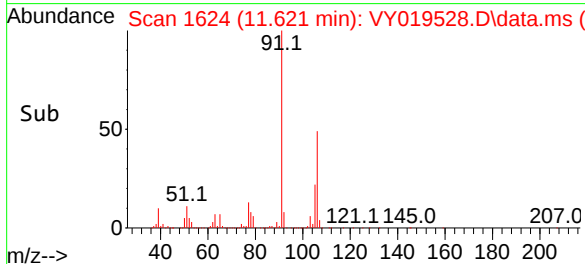
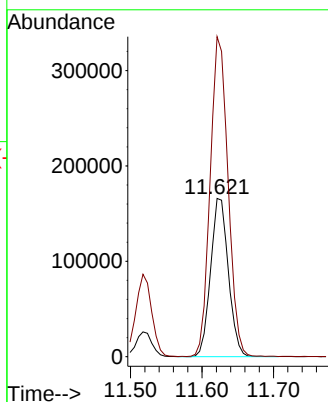
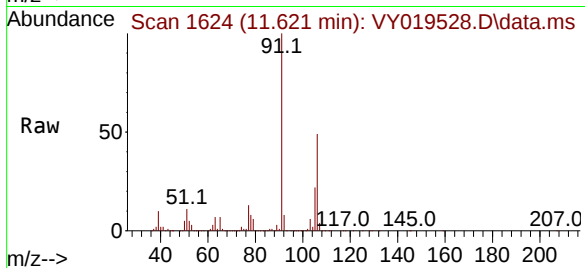




#68
m/p-Xylenes
Concen: 44.877 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

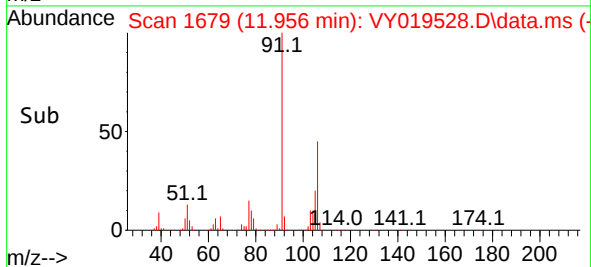
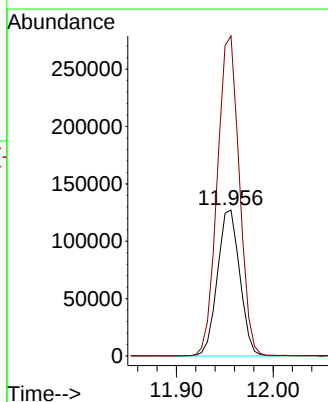
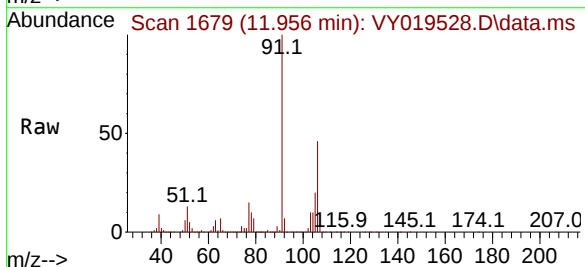
Instrument :
MSVOA_Y
ClientSampleId :
SP-1

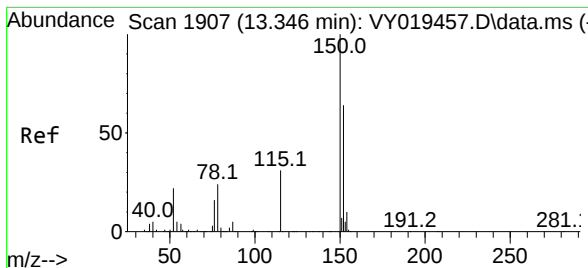
Tgt Ion:106 Resp: 286269
Ion Ratio Lower Upper
106 100
91 203.4 156.0 234.0



#69
o-Xylene
Concen: 32.667 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY019528.D
Acq: 12 Sep 2024 15:24

Tgt Ion:106 Resp: 203791
Ion Ratio Lower Upper
106 100
91 216.9 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019528.D

Acq: 12 Sep 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

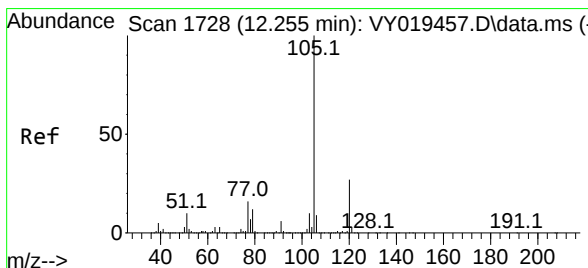
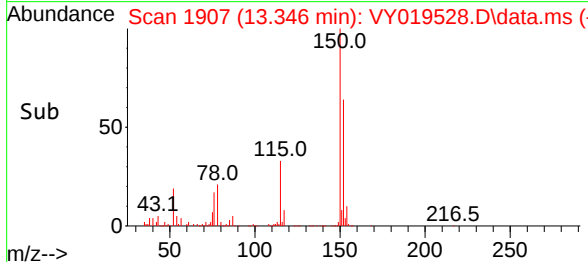
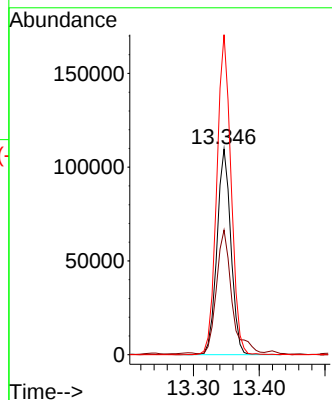
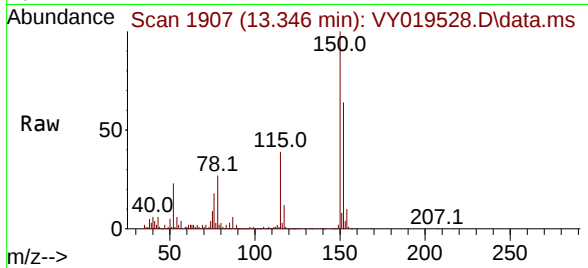
Tgt Ion:152 Resp: 161202

Ion Ratio Lower Upper

152 100

115 66.5 28.2 84.7

150 159.5 0.0 345.6



#73

Isopropylbenzene

Concen: 1.477 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY019528.D

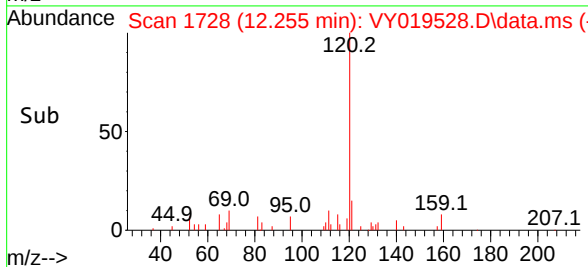
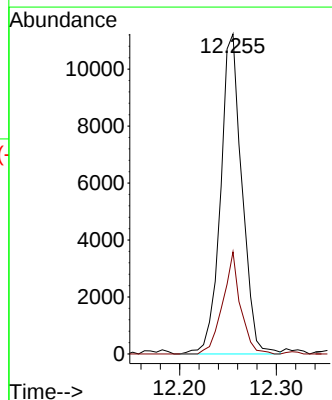
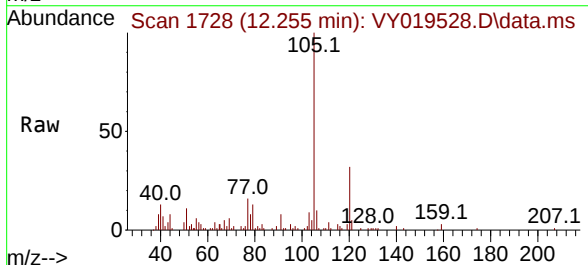
Acq: 12 Sep 2024 15:24

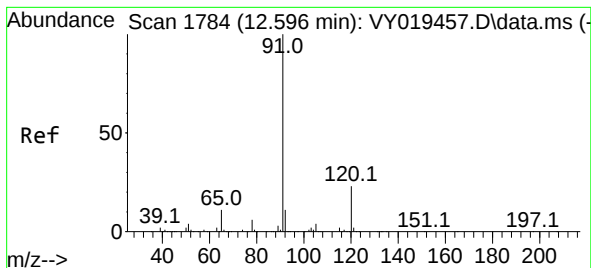
Tgt Ion:105 Resp: 17270

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1





#78

n-propylbenzene

Concen: 2.613 ug/l

RT: 12.597 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019528.D

Acq: 12 Sep 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

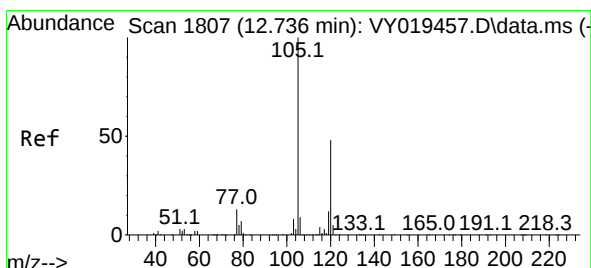
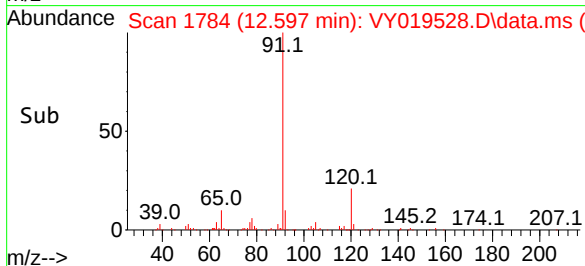
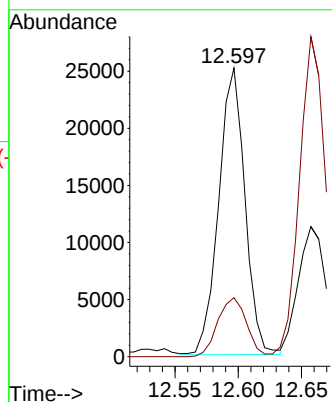
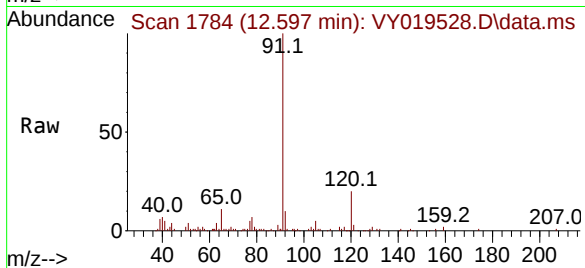
SP-1

Tgt Ion: 91 Resp: 36213

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 17.803 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY019528.D

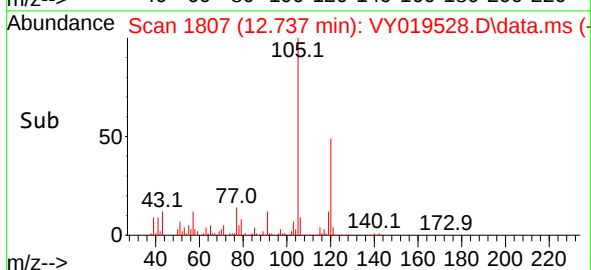
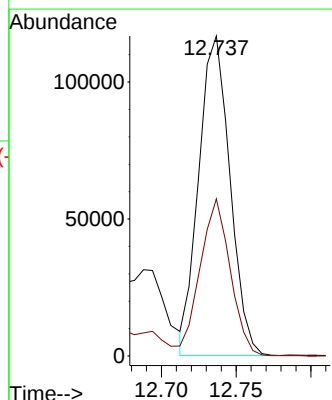
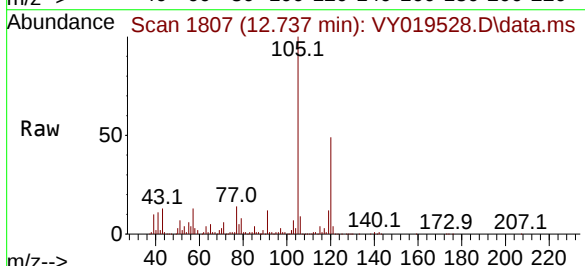
Acq: 12 Sep 2024 15:24

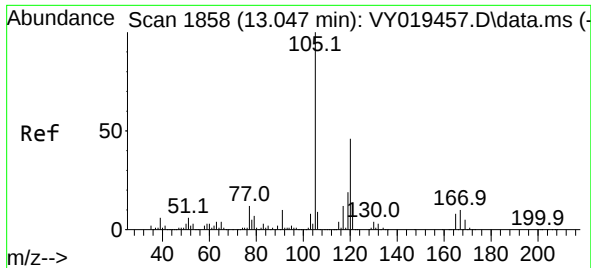
Tgt Ion: 105 Resp: 169260

Ion Ratio Lower Upper

105 100

120 48.2 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 42.769 ug/l

RT: 13.042 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019528.D

Acq: 12 Sep 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

SP-1

Tgt Ion:105 Resp: 402501

Ion Ratio Lower Upper

105 100

120 43.8 23.2 69.6

