

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031925\
 Data File : VY021571.D
 Acq On : 19 Mar 2025 15:44
 Operator : SY/MD
 Sample : Q1603-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-070-031925

Quant Time: Mar 20 01:31:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

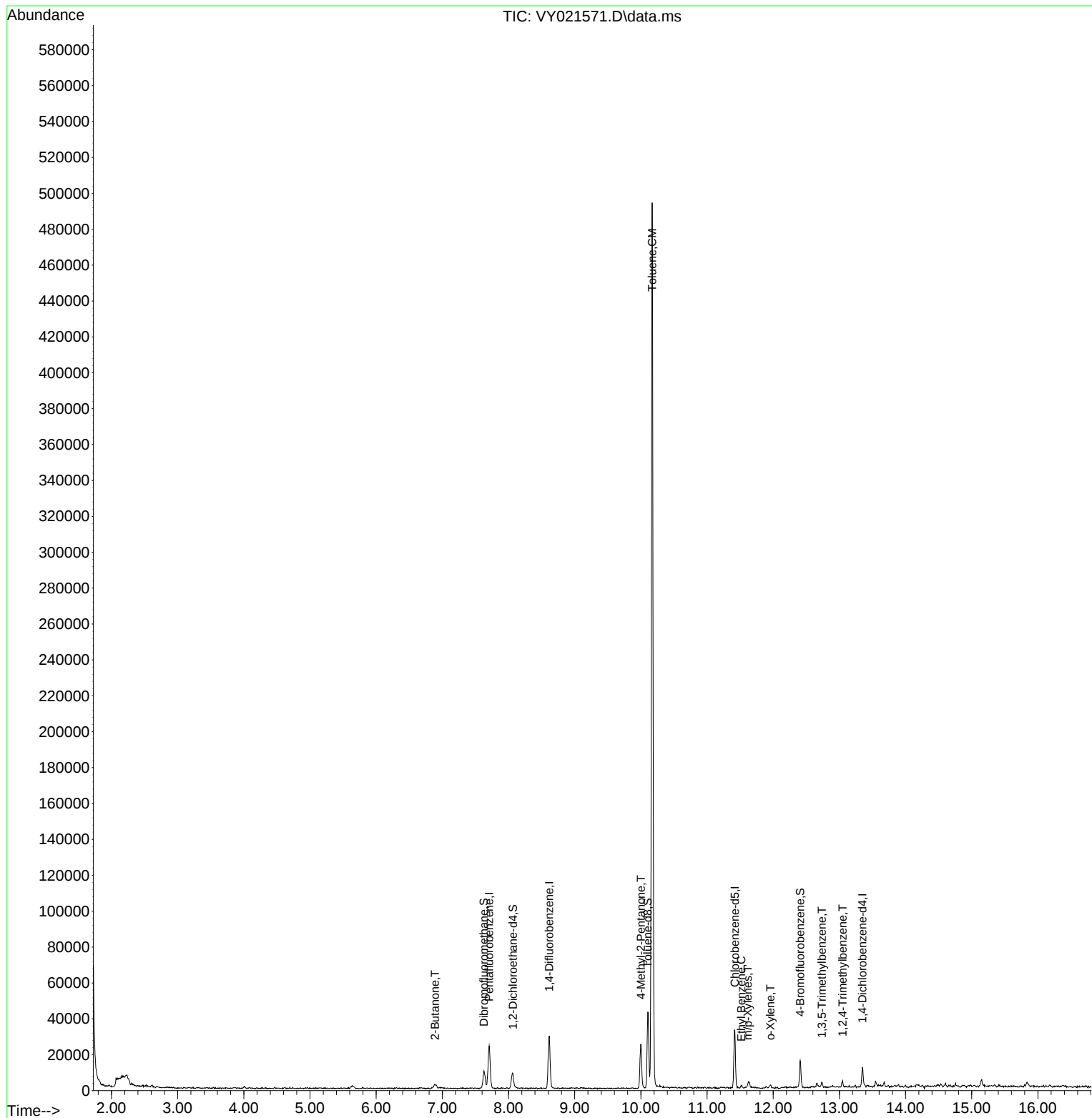
Internal Standards						
1) Pentafluorobenzene	7.707	168	18070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	24535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	16989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	2762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	6701	35.086	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.180%
35) Dibromofluoromethane	7.628	113	6939	43.027	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.060%
50) Toluene-d8	10.103	98	27895	45.682	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.360%
62) 4-Bromofluorobenzene	12.408	95	4720	22.724	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	45.440%
Target Compounds						
					Qvalue	
25) 2-Butanone	6.890	43	3706	64.314	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	15919	142.443	ug/l	95
52) Toluene	10.170	92	202108	431.088	ug/l	99
67) Ethyl Benzene	11.518	91	1178	1.673	ug/l	92
68) m/p-Xylenes	11.615	106	943	3.527	ug/l	87
69) o-Xylene	11.957	106	451	1.830	ug/l	79
80) 1,3,5-Trimethylbenzene	12.737	105	615	3.478	ug/l	90
84) 1,2,4-Trimethylbenzene	13.048	105	1851	10.544	ug/l	93

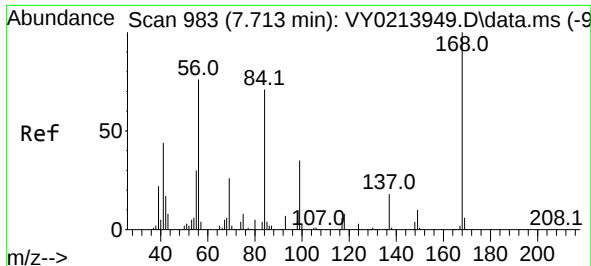
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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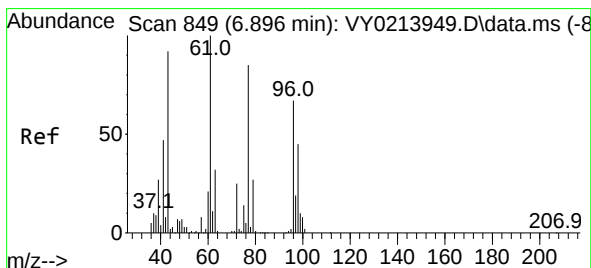
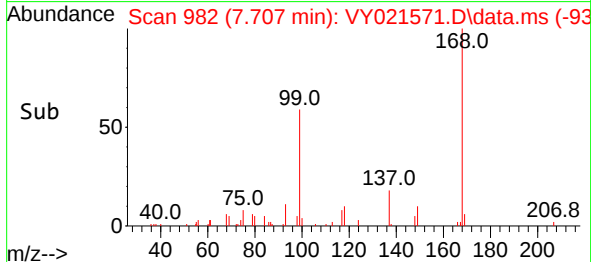
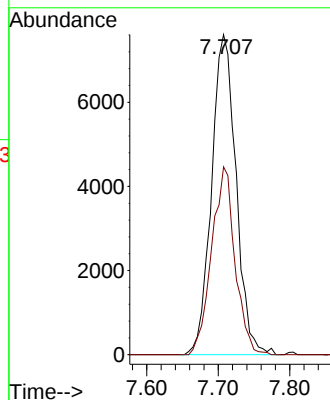
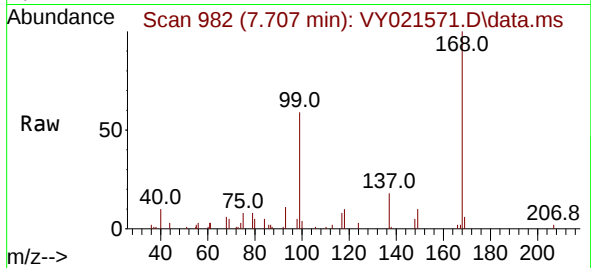




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021571.D
Acq: 19 Mar 2025 15:44

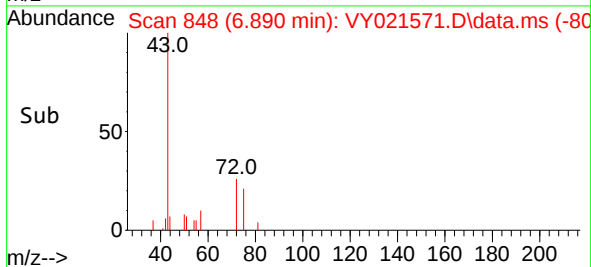
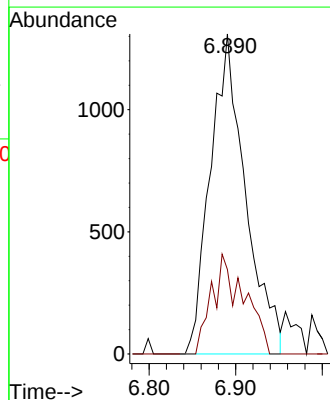
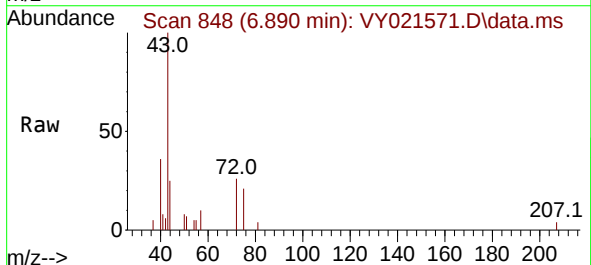
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

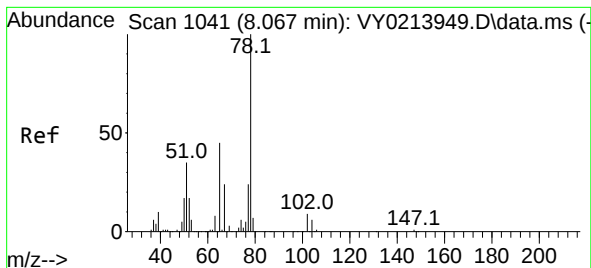
Tgt Ion:168 Resp: 18070
Ion Ratio Lower Upper
168 100
99 58.7 46.0 69.0



#25
2-Butanone
Concen: 64.314 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY021571.D
Acq: 19 Mar 2025 15:44

Tgt Ion: 43 Resp: 3706
Ion Ratio Lower Upper
43 100
72 26.4 21.4 32.0





#33

1,2-Dichloroethane-d4

Concen: 35.086 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY021571.D

Acq: 19 Mar 2025 15:44

Instrument :

MSVOA_Y

ClientSampleId :

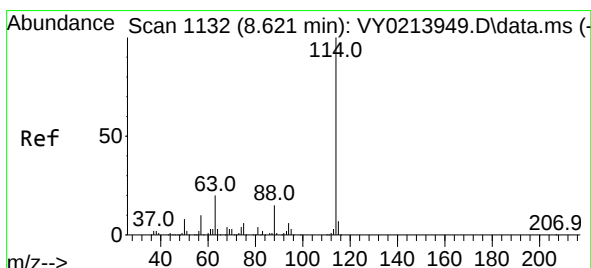
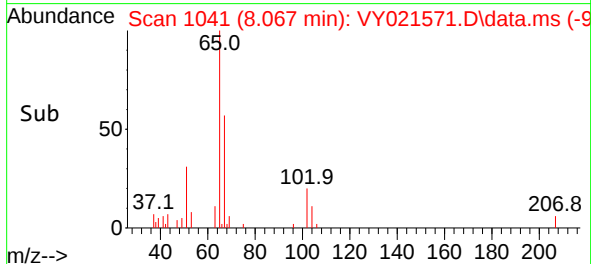
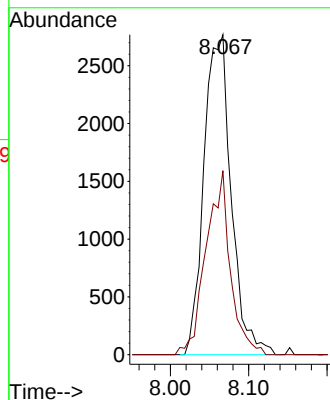
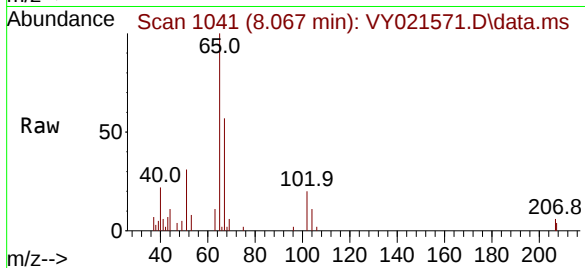
NB-070-031925

Tgt Ion: 65 Resp: 6701

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021571.D

Acq: 19 Mar 2025 15:44

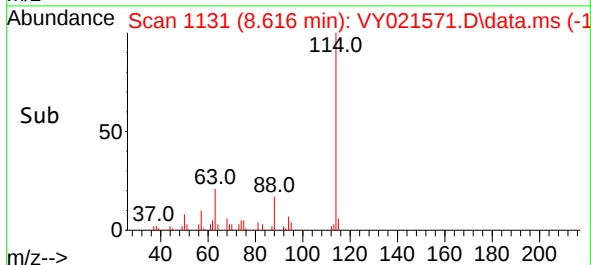
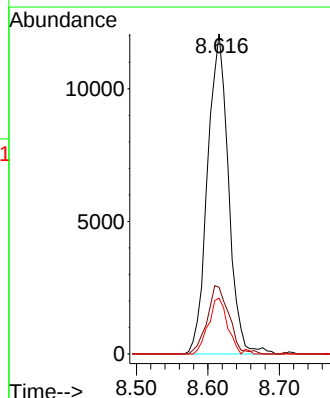
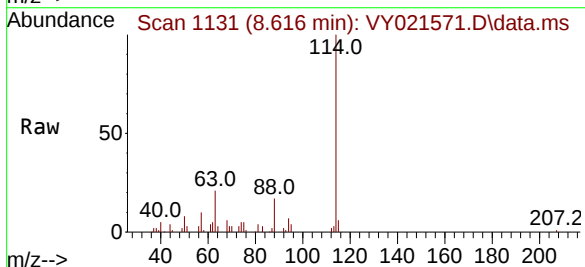
Tgt Ion: 114 Resp: 24535

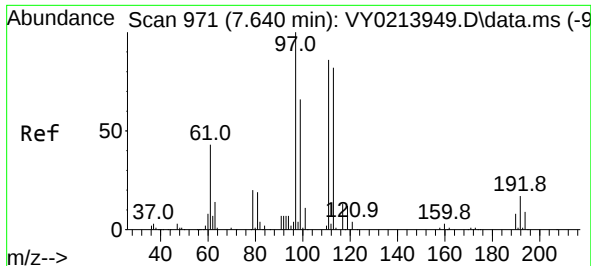
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 17.4 0.0 30.8

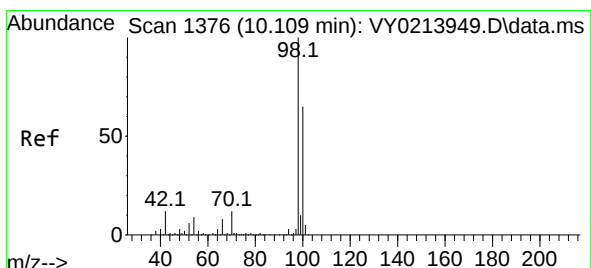
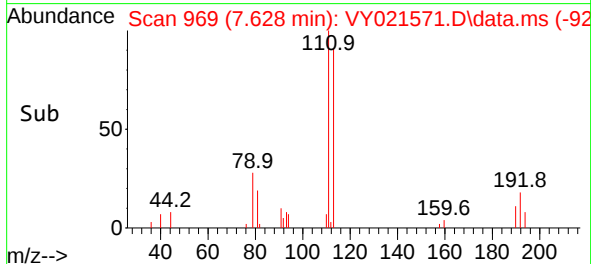
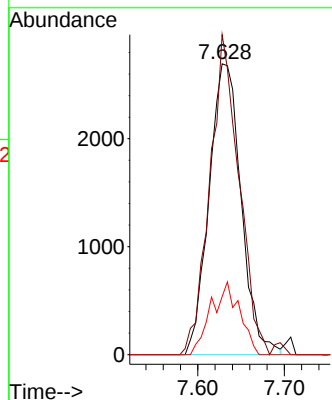
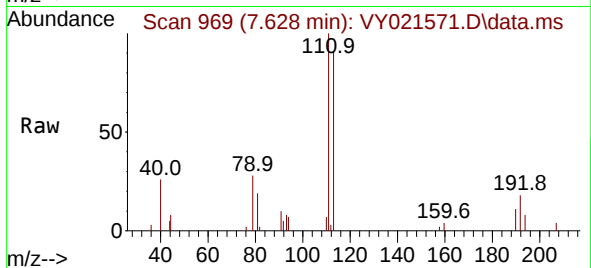




#35
 Dibromofluoromethane
 Concen: 43.027 ug/l
 RT: 7.628 min Scan# 909
 Delta R.T. -0.012 min
 Lab File: VY021571.D
 Acq: 19 Mar 2025 15:44

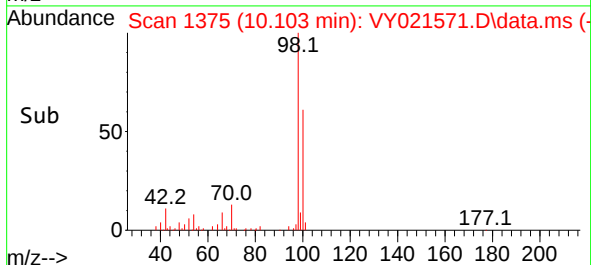
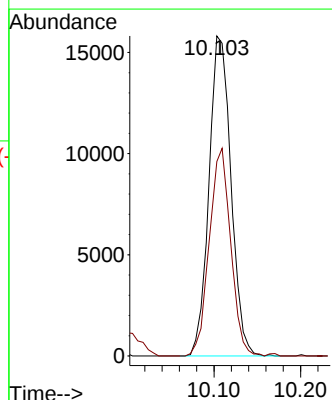
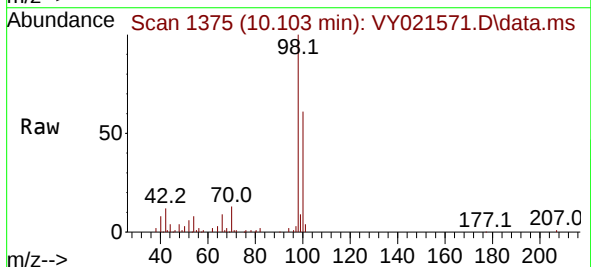
Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-070-031925

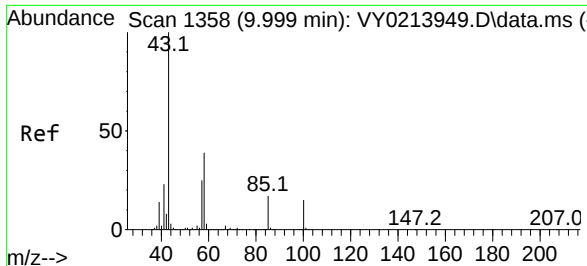
Tgt Ion:113	Resp:	6939
Ion	Ratio	Lower Upper
113	100	
111	100.3	82.0 123.0
192	22.3	15.9 23.9



#50
 Toluene-d8
 Concen: 45.682 ug/l
 RT: 10.103 min Scan# 1375
 Delta R.T. -0.006 min
 Lab File: VY021571.D
 Acq: 19 Mar 2025 15:44

Tgt Ion: 98	Resp:	27895
Ion	Ratio	Lower Upper
98	100	
100	63.1	52.1 78.1

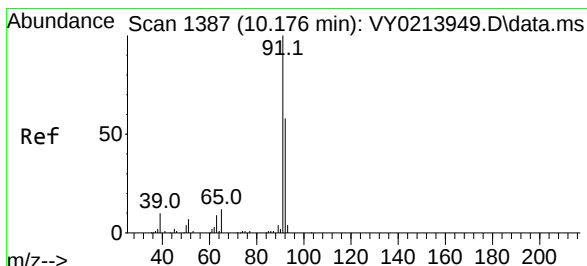
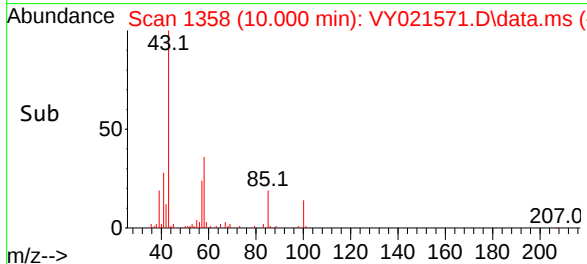
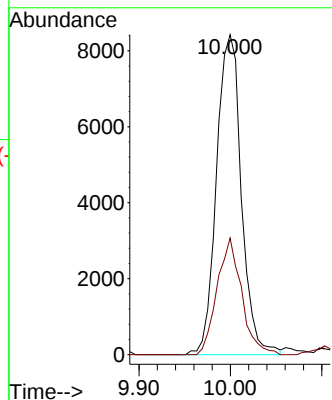
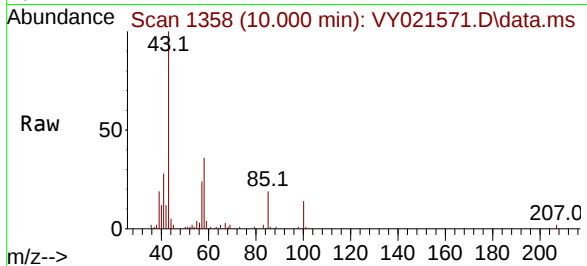




#51
4-Methyl-2-Pentanone
Concen: 142.443 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021571.D
Acq: 19 Mar 2025 15:44

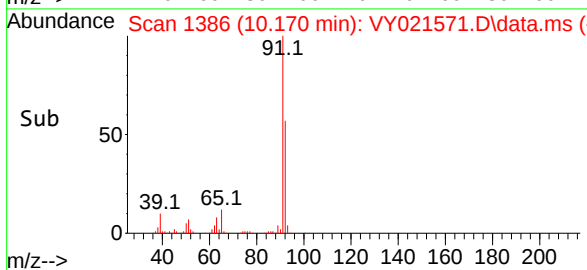
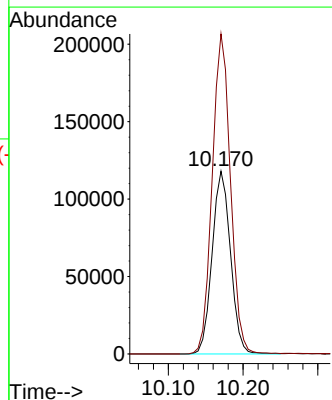
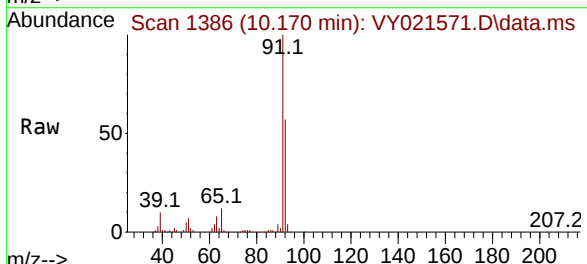
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

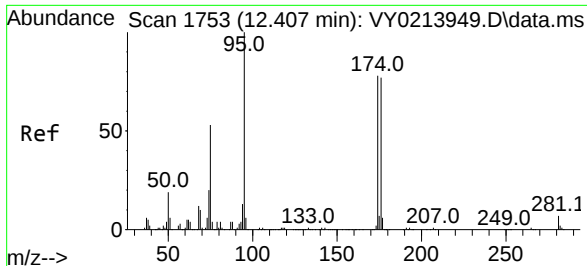
Tgt Ion: 43 Resp: 15919
Ion Ratio Lower Upper
43 100
58 36.0 31.4 47.2



#52
Toluene
Concen: 431.088 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021571.D
Acq: 19 Mar 2025 15:44

Tgt Ion: 92 Resp: 202108
Ion Ratio Lower Upper
92 100
91 174.3 138.2 207.2





#62

4-Bromofluorobenzene

Concen: 22.724 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021571.D

Acq: 19 Mar 2025 15:44

Instrument :

MSVOA_Y

ClientSampleId :

NB-070-031925

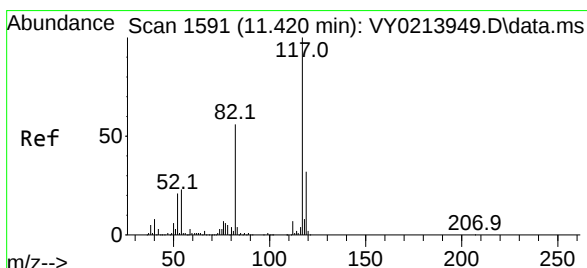
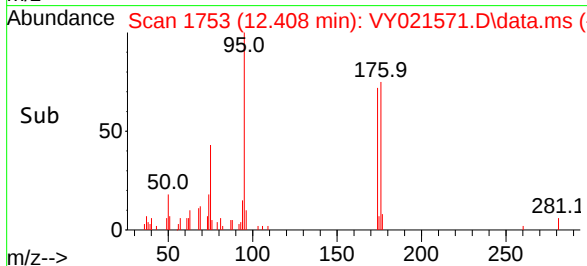
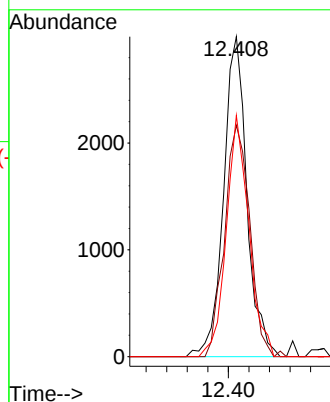
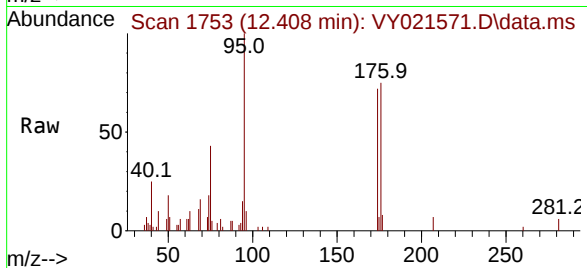
Tgt Ion: 95 Resp: 4720

Ion Ratio Lower Upper

95 100

174 78.4 0.0 165.0

176 72.9 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021571.D

Acq: 19 Mar 2025 15:44

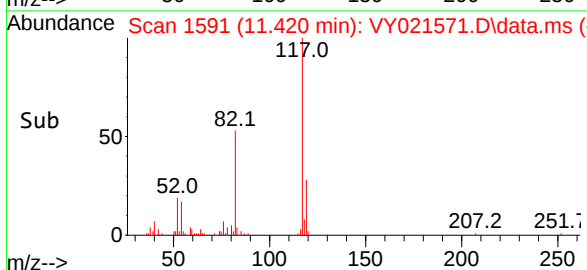
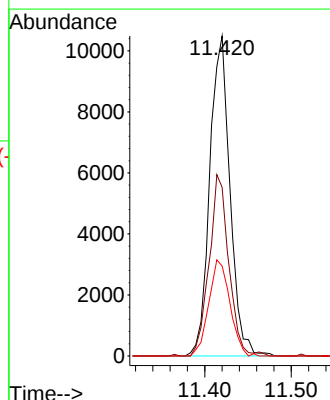
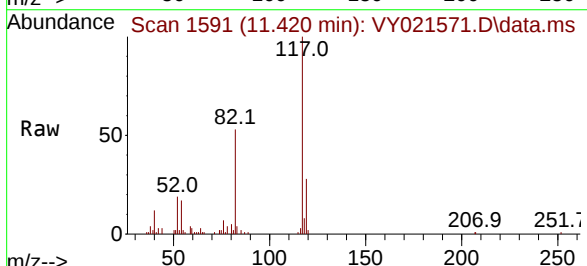
Tgt Ion: 117 Resp: 16989

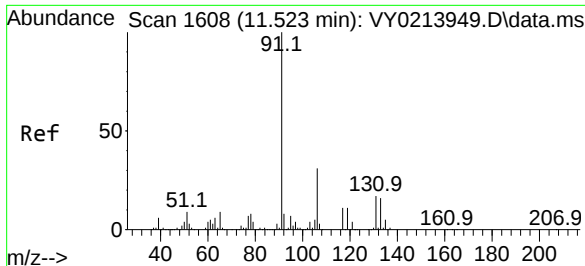
Ion Ratio Lower Upper

117 100

82 52.7 44.6 67.0

119 28.1 25.4 38.0





#67

Ethyl Benzene

Concen: 1.673 ug/l

RT: 11.518 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021571.D

Acq: 19 Mar 2025 15:44

Instrument :

MSVOA_Y

ClientSampleId :

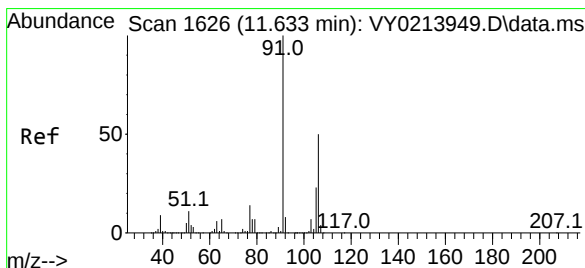
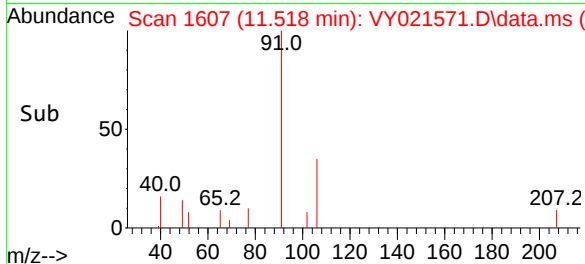
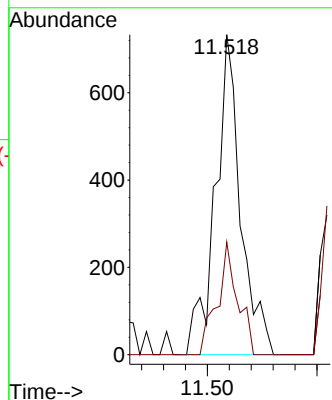
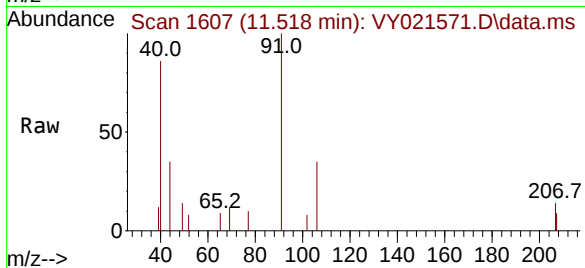
NB-070-031925

Tgt Ion: 91 Resp: 1178

Ion Ratio Lower Upper

91 100

106 35.2 24.6 36.8



#68

m/p-Xylenes

Concen: 3.527 ug/l

RT: 11.615 min Scan# 1623

Delta R.T. -0.018 min

Lab File: VY021571.D

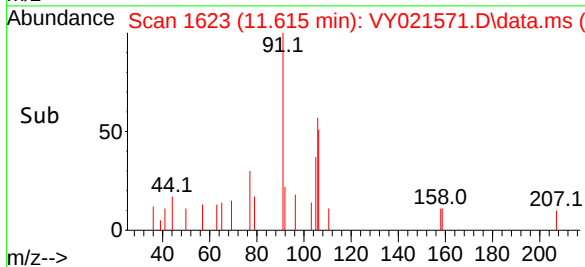
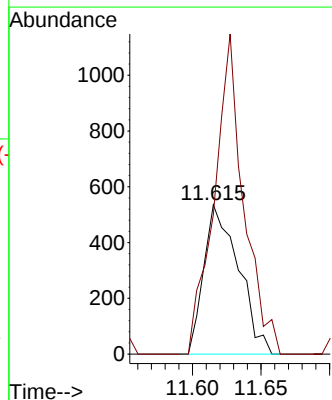
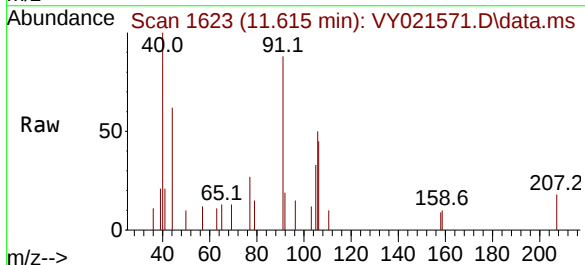
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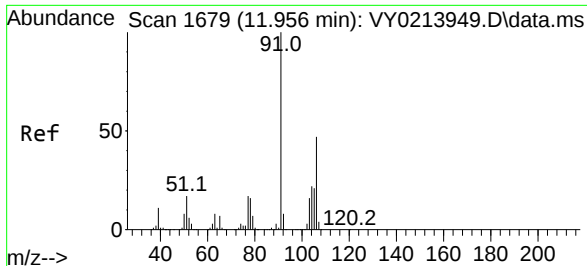
Tgt Ion: 106 Resp: 943

Ion Ratio Lower Upper

106 100

91 183.0 161.7 242.5

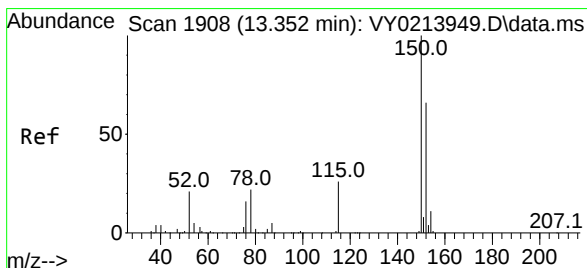
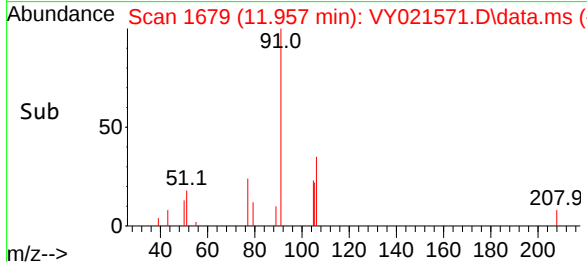
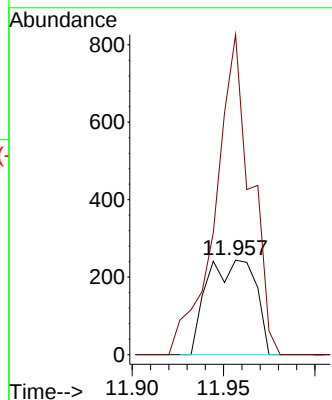
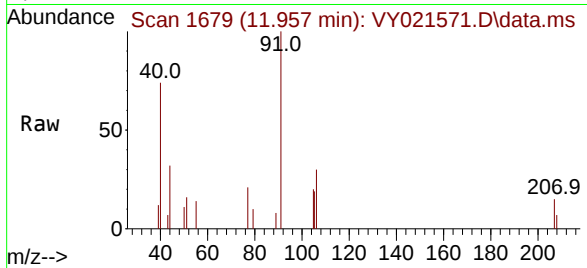




#69
o-Xylene
Concen: 1.830 ug/l
RT: 11.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021571.D
Acq: 19 Mar 2025 15:44

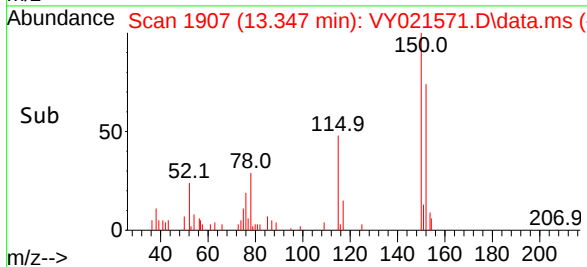
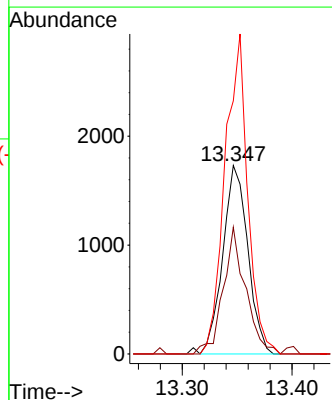
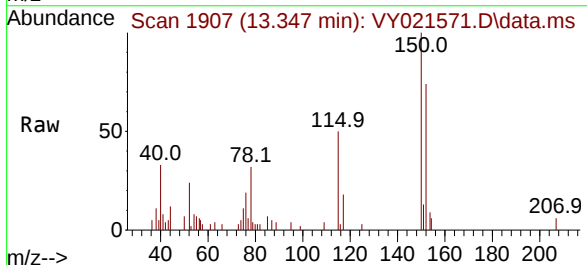
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

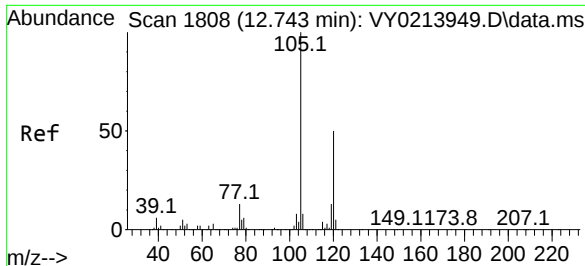
Tgt Ion:106 Resp: 451
Ion Ratio Lower Upper
106 100
91 247.9 107.6 322.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021571.D
Acq: 19 Mar 2025 15:44

Tgt Ion:152 Resp: 2762
Ion Ratio Lower Upper
152 100
115 60.1 29.0 87.0
150 153.5 0.0 347.2

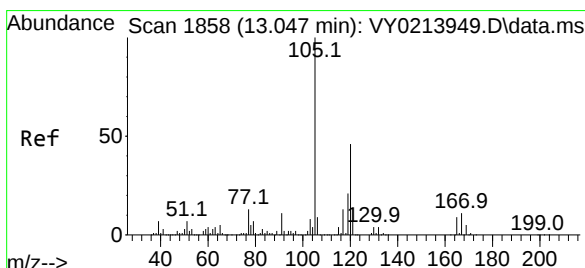
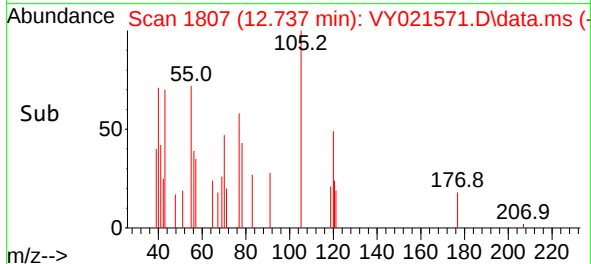
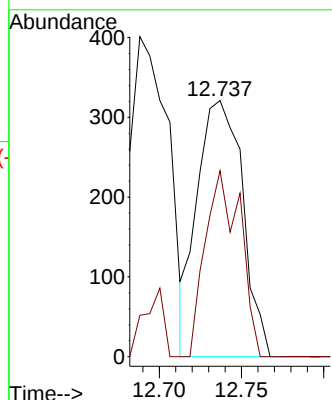
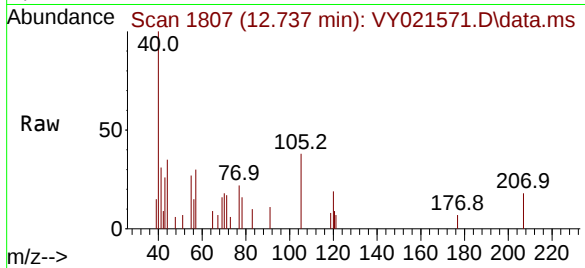




#80
 1,3,5-Trimethylbenzene
 Concen: 3.478 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. -0.006 min
 Lab File: VY021571.D
 Acq: 19 Mar 2025 15:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-070-031925

Tgt Ion:105 Resp: 615
 Ion Ratio Lower Upper
 105 100
 120 56.1 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 10.544 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.000 min
 Lab File: VY021571.D
 Acq: 19 Mar 2025 15:44

Tgt Ion:105 Resp: 1851
 Ion Ratio Lower Upper
 105 100
 120 40.8 22.7 68.1

