

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040051.D
 Acq On : 31 Jan 2024 16:37
 Operator : JC/MD
 Sample : P1282-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1240

Quant Time: Feb 01 04:24:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 07:12:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	83581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149294	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	154770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80907	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62940	46.791	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.580%
35) Dibromofluoromethane	5.385	113	49300	48.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.020%
50) Toluene-d8	8.647	98	197688	52.014	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.020%
62) 4-Bromofluorobenzene	11.079	95	80344	54.900	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.800%

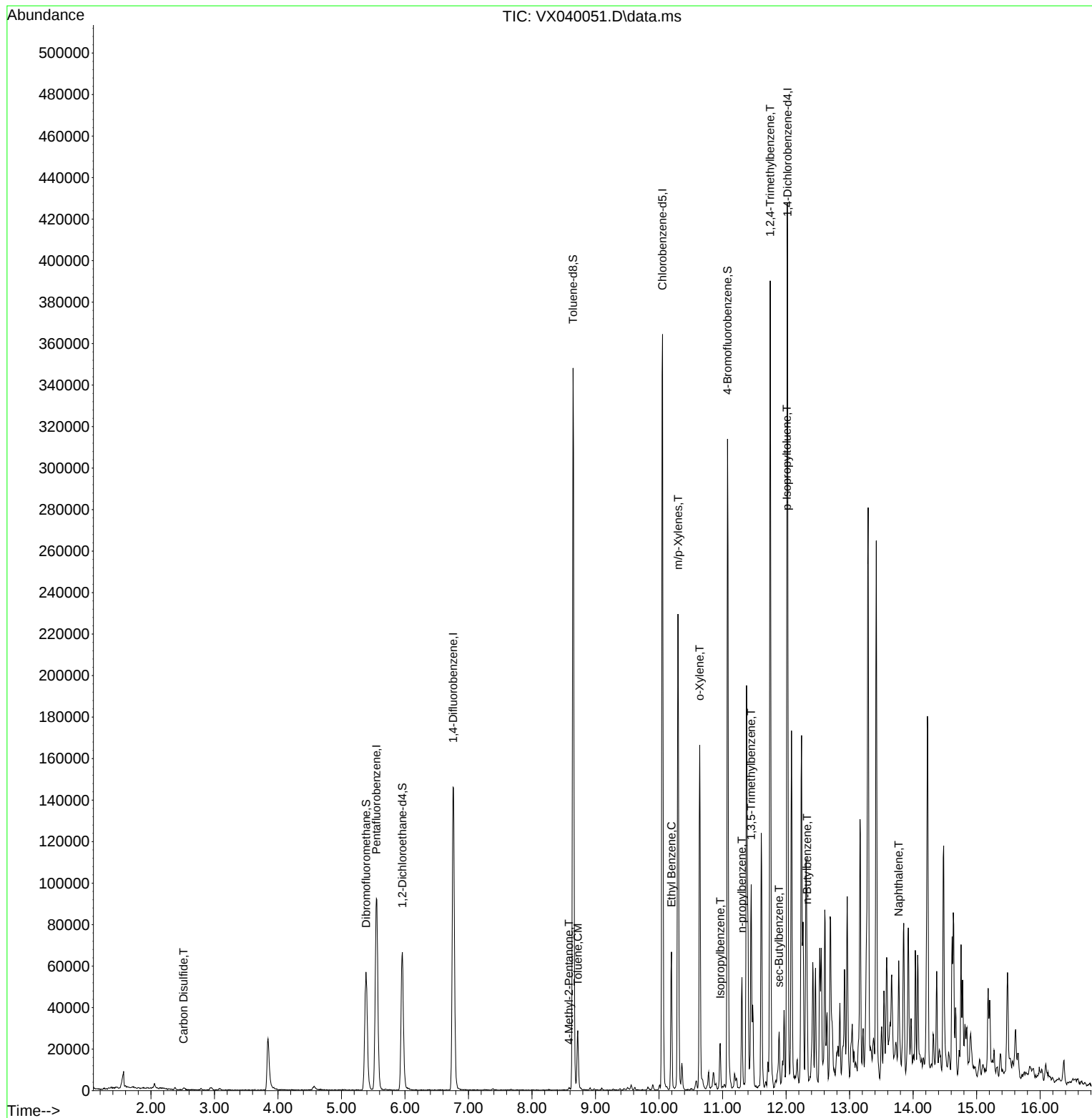
Target Compounds						Qvalue
17) Carbon Disulfide	2.514	76	1101	0.401	ug/l #	83
51) 4-Methyl-2-Pentanone	8.580	43	733	0.424	ug/l #	84
52) Toluene	8.720	92	10582	3.966	ug/l	96
67) Ethyl Benzene	10.195	91	36307	6.325	ug/l	98
68) m/p-Xylenes	10.299	106	50628	23.446	ug/l	96
69) o-Xylene	10.640	106	33413	16.313	ug/l	96
73) Isopropylbenzene	10.963	105	11190	1.926	ug/l	100
78) n-propylbenzene	11.305	91	31978	4.473	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	38259	7.661	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	160301	32.166	ug/l	98
85) sec-Butylbenzene	11.890	105	10894	1.721	ug/l	93
86) p-Isopropyltoluene	12.012	119	7085	1.370	ug/l	93
89) n-Butylbenzene	12.329	91	20775	4.140	ug/l #	51
95) Naphthalene	13.774	128	30361	5.486	ug/l	97

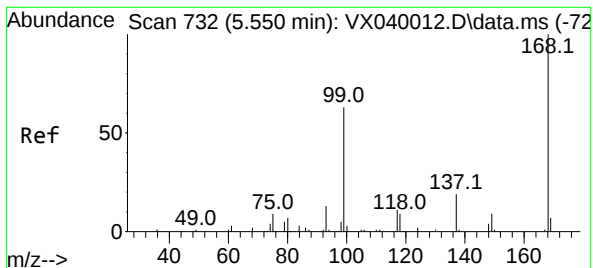
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 31 07:12:04 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX040051.D

Acq: 31 Jan 2024 16:37

Instrument :

MSVOA_X

ClientSampleId :

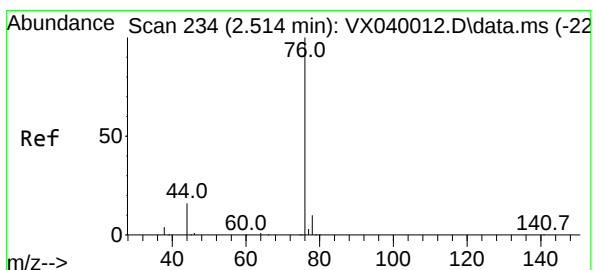
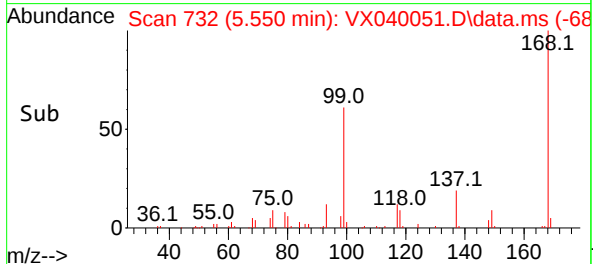
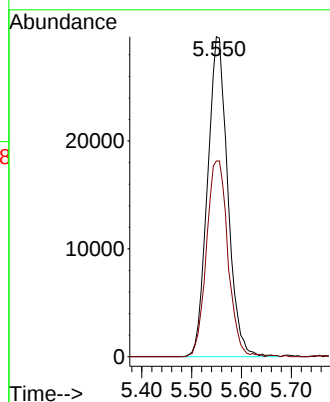
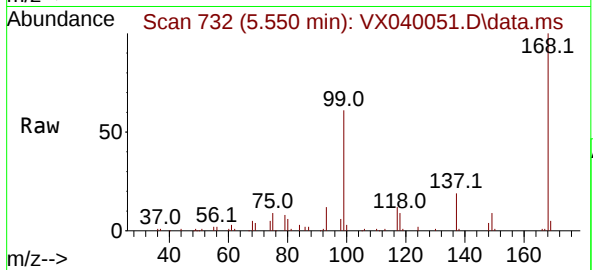
1240

Tgt Ion:168 Resp: 83581

Ion Ratio Lower Upper

168 100

99 61.1 56.6 85.0



#17

Carbon Disulfide

Concen: 0.401 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX040051.D

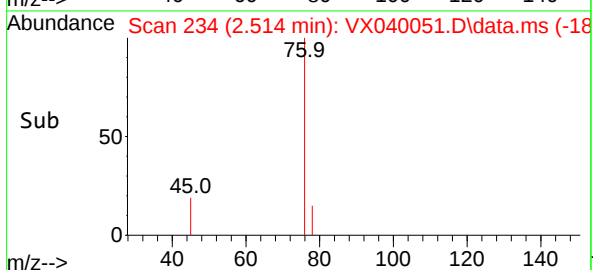
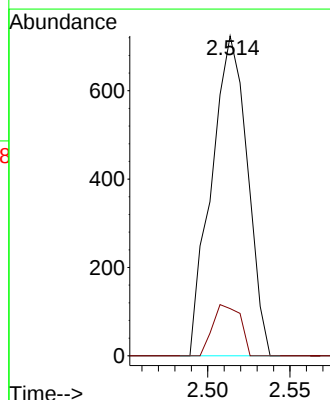
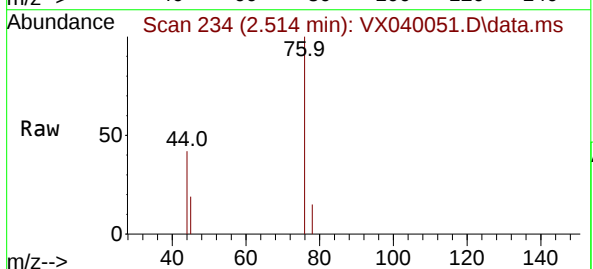
Acq: 31 Jan 2024 16:37

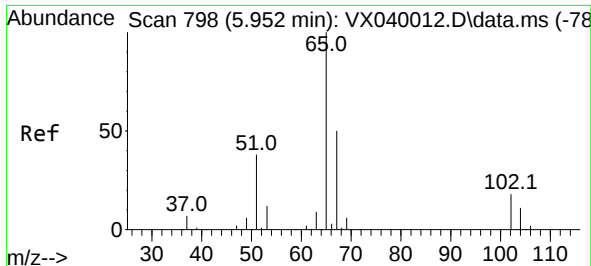
Tgt Ion: 76 Resp: 1101

Ion Ratio Lower Upper

76 100

78 14.8 7.0 10.6#





#33

1,2-Dichloroethane-d4

Concen: 46.791 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040051.D

Acq: 31 Jan 2024 16:37

Instrument :

MSVOA_X

ClientSampleId :

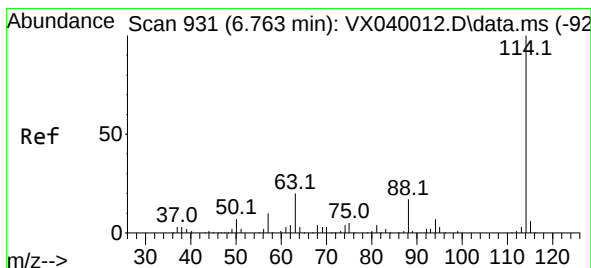
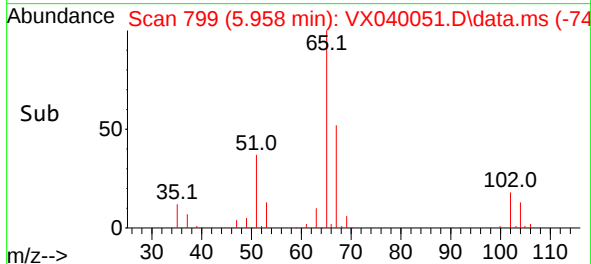
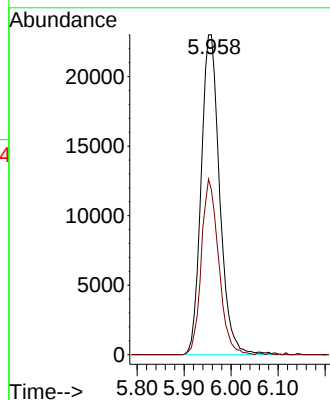
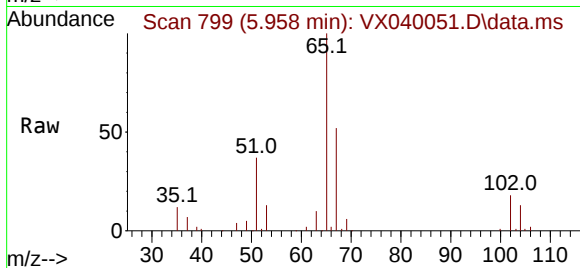
1240

Tgt Ion: 65 Resp: 62940

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040051.D

Acq: 31 Jan 2024 16:37

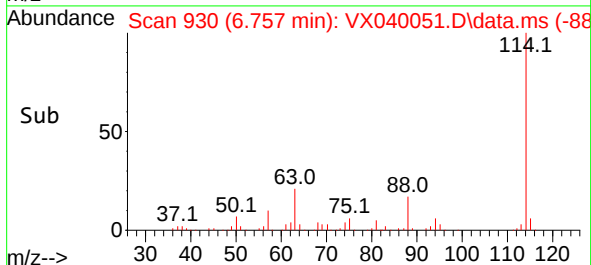
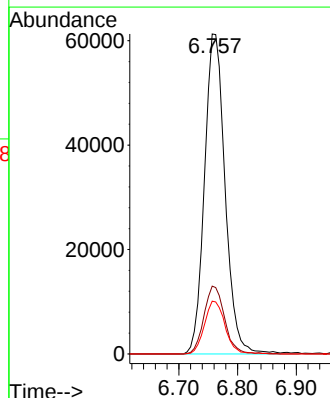
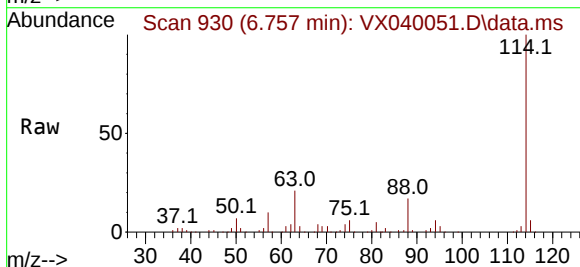
Tgt Ion: 114 Resp: 149294

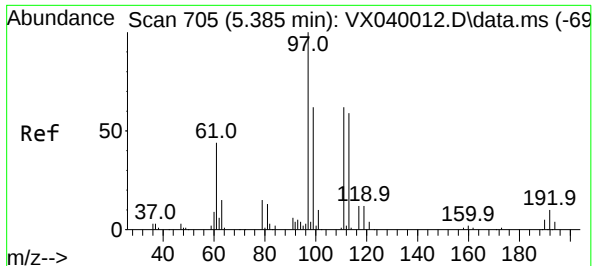
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

88 16.5 0.0 36.6

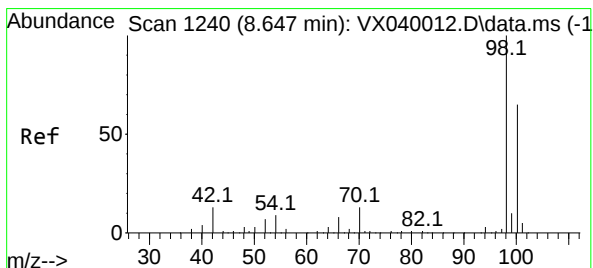
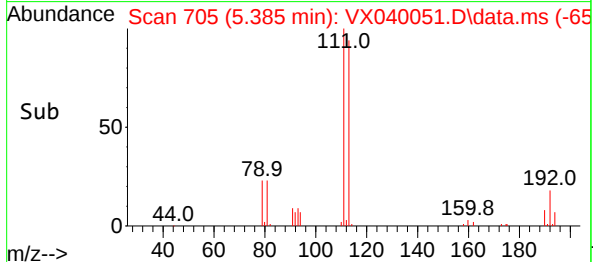
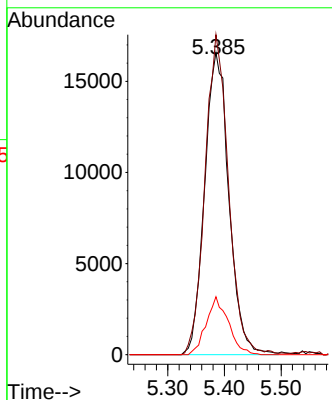
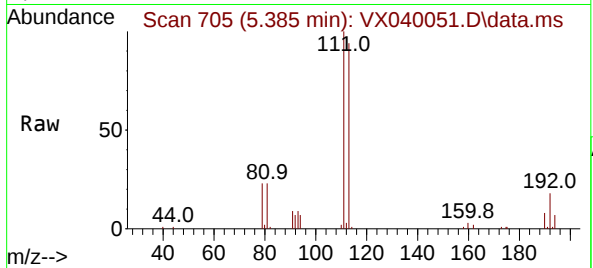




#35
 Dibromofluoromethane
 Concen: 48.510 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX040051.D
 Acq: 31 Jan 2024 16:37

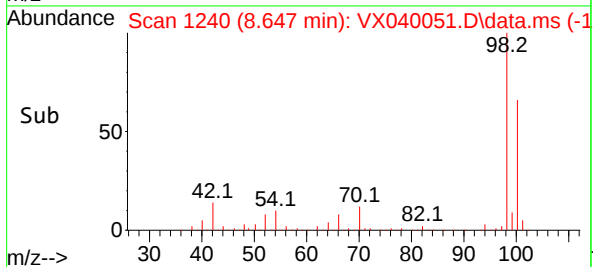
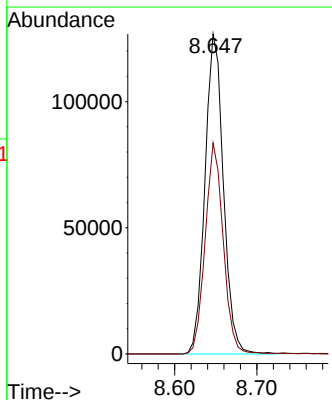
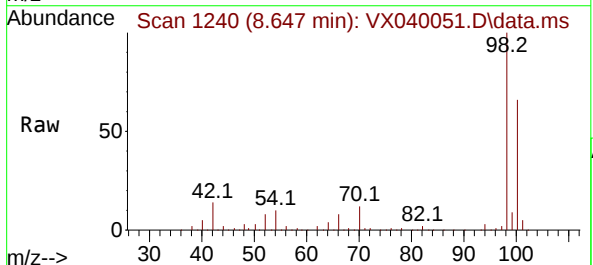
Instrument :
 MSVOA_X
 ClientSampleId :
 1240

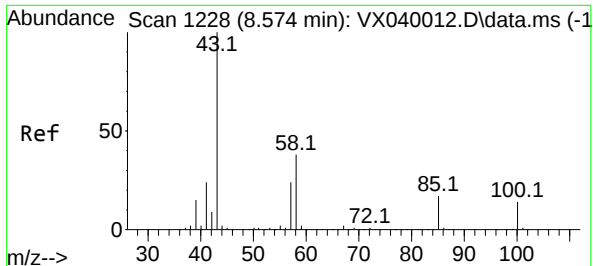
Tgt Ion:	113	Resp:	49300
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	17.4	13.3	19.9



#50
 Toluene-d8
 Concen: 52.014 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX040051.D
 Acq: 31 Jan 2024 16:37

Tgt Ion:	98	Resp:	197688
Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.1	79.7

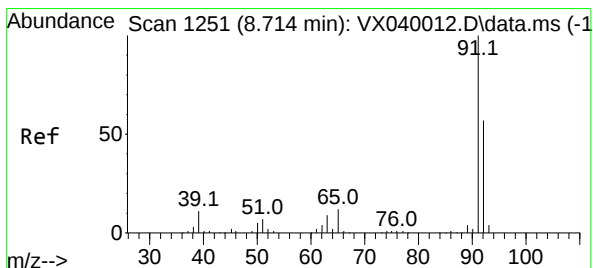
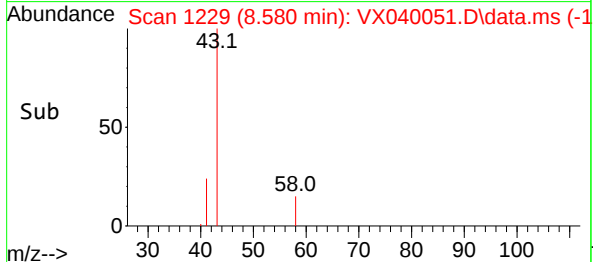
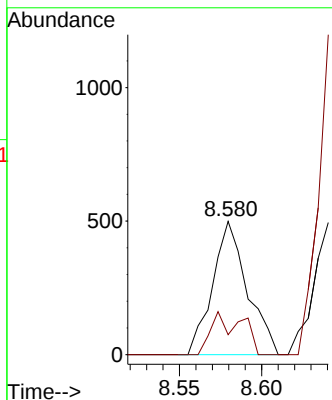
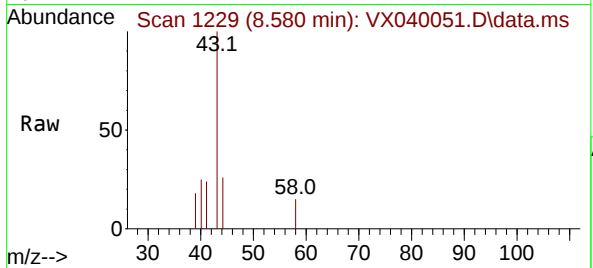




#51
4-Methyl-2-Pentanone
Concen: 0.424 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040051.D
Acq: 31 Jan 2024 16:37

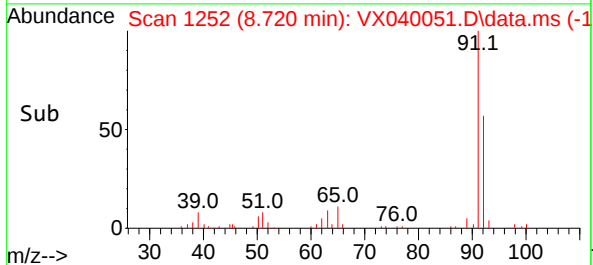
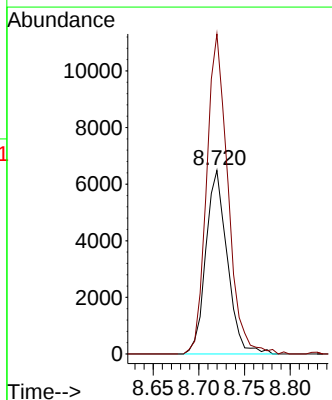
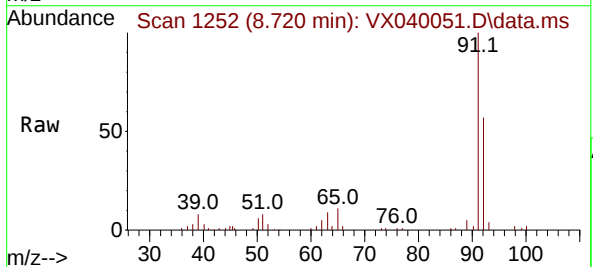
Instrument :
MSVOA_X
ClientSampleId :
1240

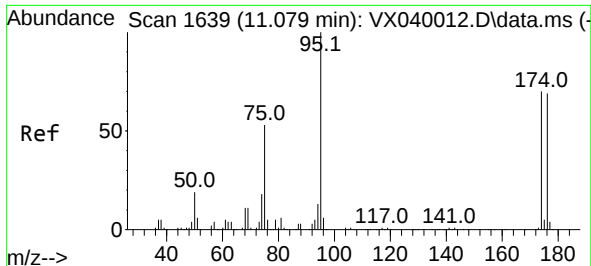
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
58 28.2 30.4 45.6#



#52
Toluene
Concen: 3.966 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040051.D
Acq: 31 Jan 2024 16:37

Tgt Ion: 92 Resp: 10582
Ion Ratio Lower Upper
92 100
91 173.0 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 54.900 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX040051.D

Acq: 31 Jan 2024 16:37

Instrument :

MSVOA_X

ClientSampleId :

1240

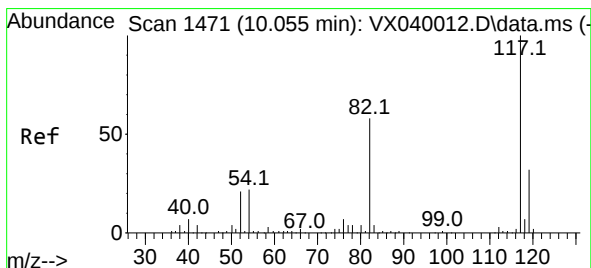
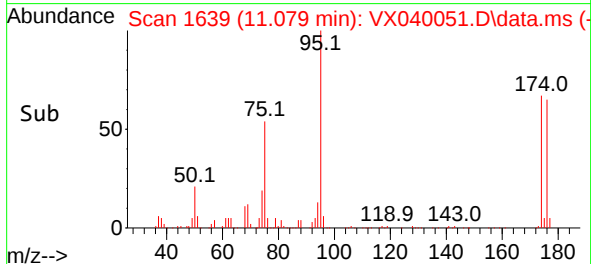
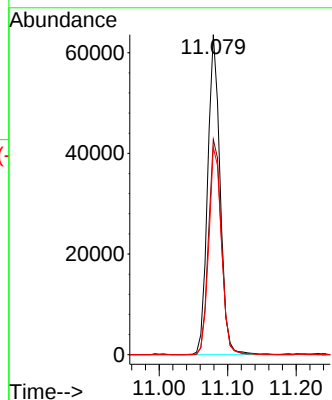
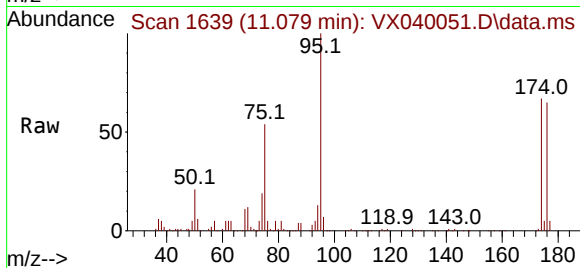
Tgt Ion: 95 Resp: 80344

Ion Ratio Lower Upper

95 100

174 69.6 0.0 135.6

176 66.2 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX040051.D

Acq: 31 Jan 2024 16:37

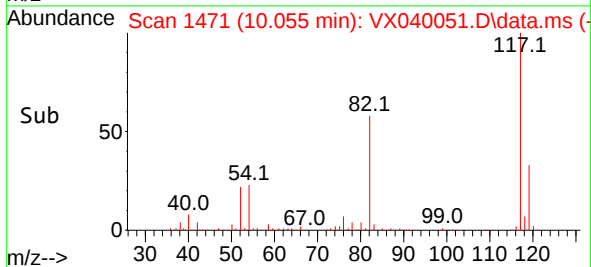
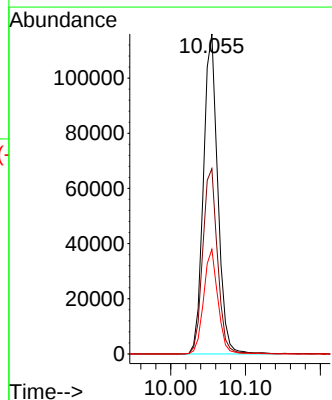
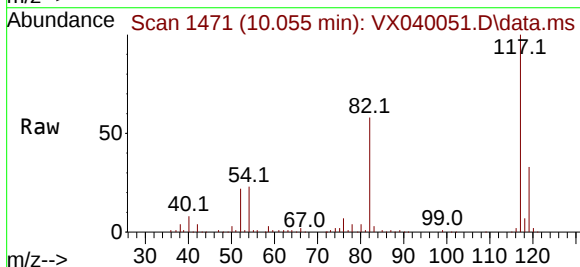
Tgt Ion: 117 Resp: 154770

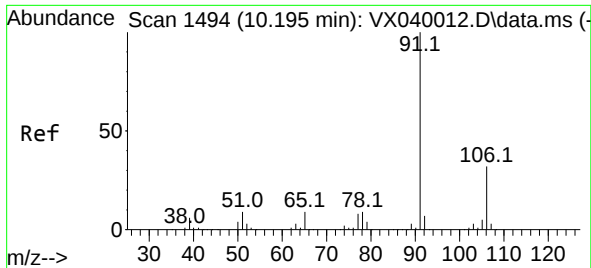
Ion Ratio Lower Upper

117 100

82 57.9 46.2 69.4

119 32.7 25.5 38.3

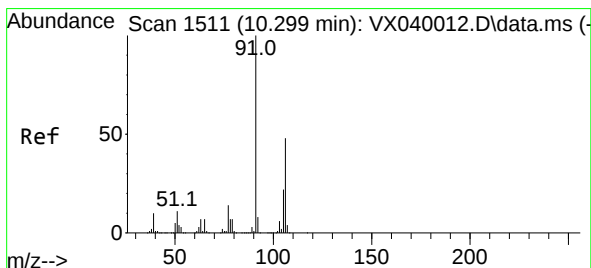
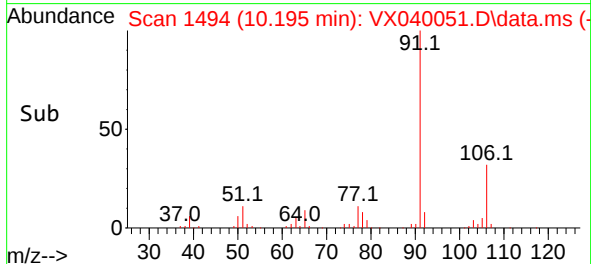
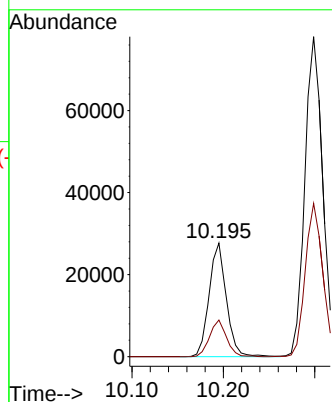
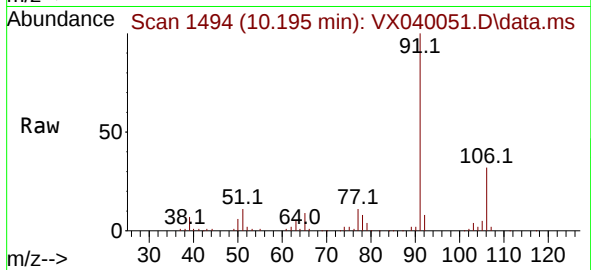




#67
Ethyl Benzene
Concen: 6.325 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX040051.D
Acq: 31 Jan 2024 16:37

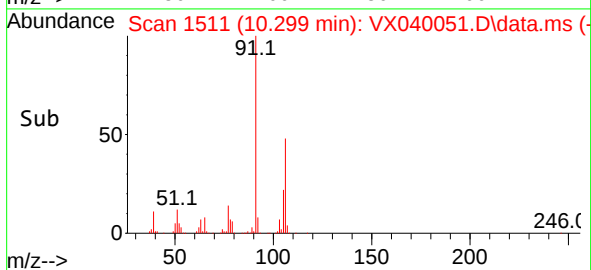
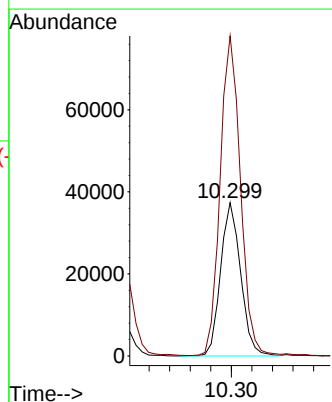
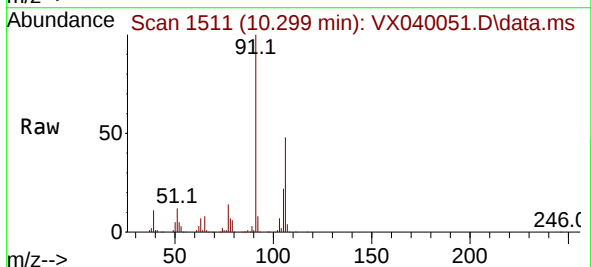
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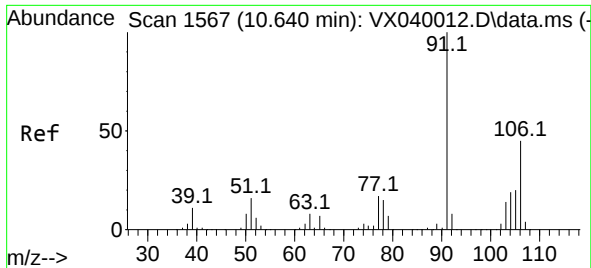
Tgt Ion: 91 Resp: 36307
Ion Ratio Lower Upper
91 100
106 32.2 24.9 37.3



#68
m/p-Xylenes
Concen: 23.446 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040051.D
Acq: 31 Jan 2024 16:37

Tgt Ion: 106 Resp: 50628
Ion Ratio Lower Upper
106 100
91 212.8 165.5 248.3

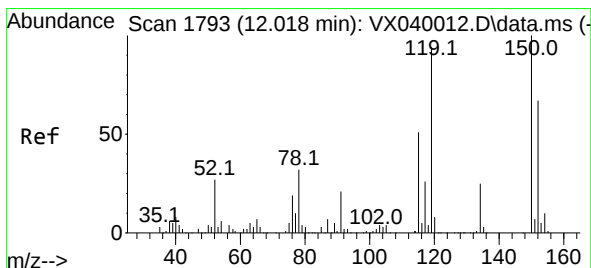
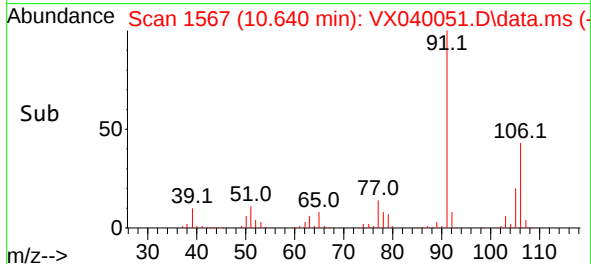
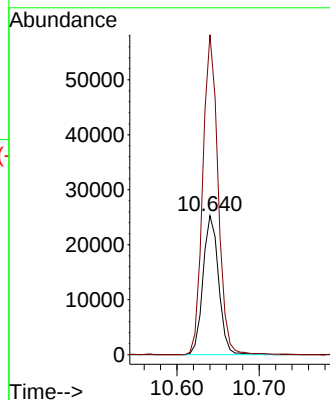
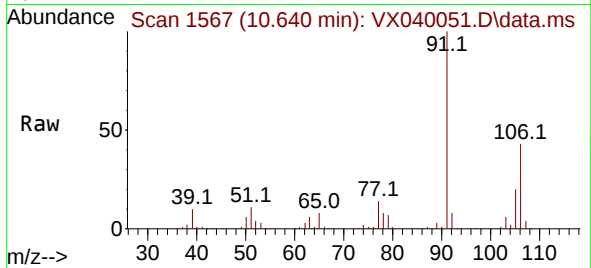




#69
o-Xylene
Concen: 16.313 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040051.D
Acq: 31 Jan 2024 16:37

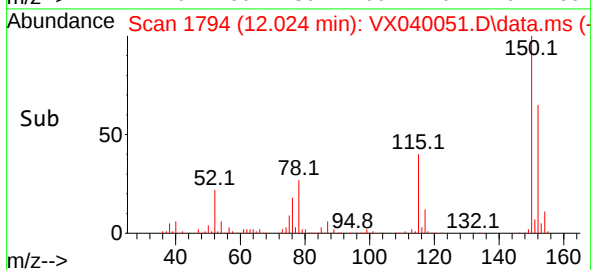
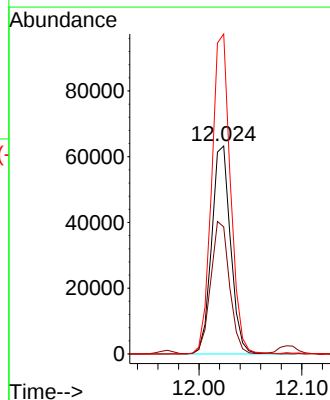
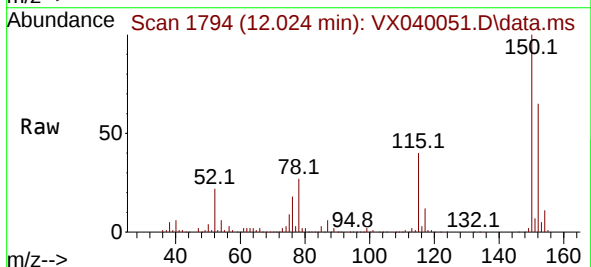
Instrument :
MSVOA_X
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1240

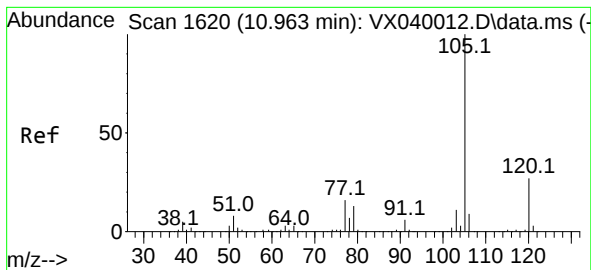
Tgt Ion:106 Resp: 33413
Ion Ratio Lower Upper
106 100
91 224.9 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040051.D
Acq: 31 Jan 2024 16:37

Tgt Ion:152 Resp: 80907
Ion Ratio Lower Upper
152 100
115 63.5 43.3 129.9
150 153.3 0.0 345.0





#73

Isopropylbenzene

Concen: 1.926 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX040051.D

Acq: 31 Jan 2024 16:37

Instrument :

MSVOA_X

ClientSampleId :

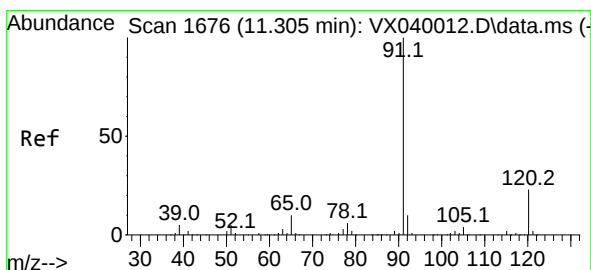
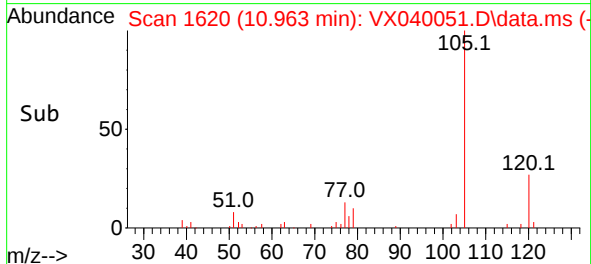
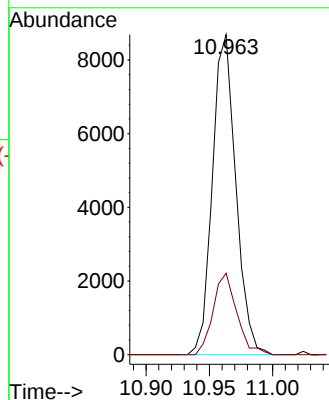
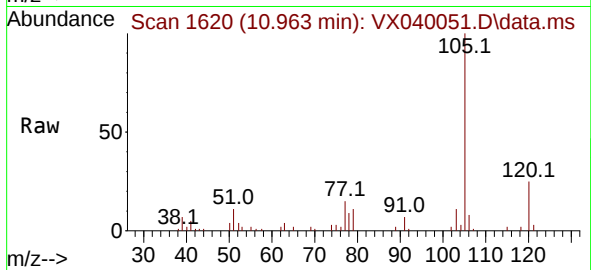
1240

Tgt Ion:105 Resp: 11190

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.6



#78

n-propylbenzene

Concen: 4.473 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX040051.D

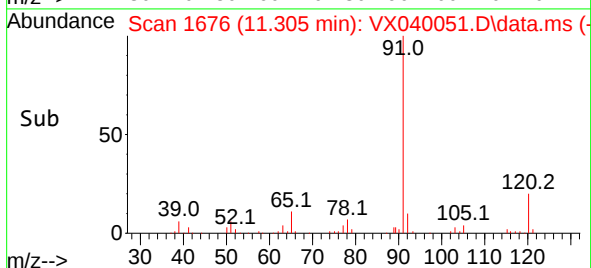
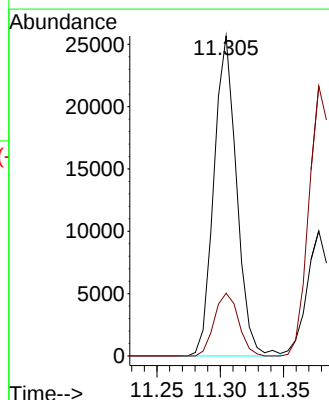
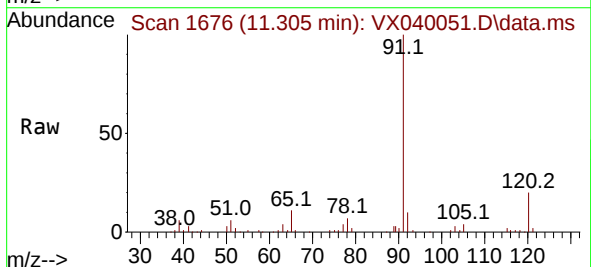
Acq: 31 Jan 2024 16:37

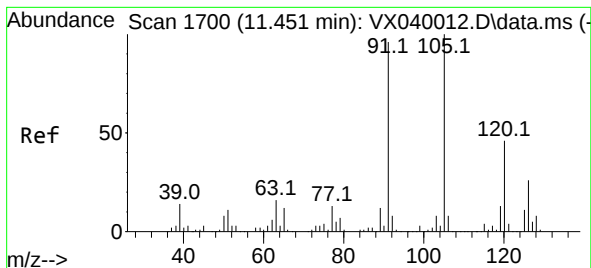
Tgt Ion: 91 Resp: 31978

Ion Ratio Lower Upper

91 100

120 21.0 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 7.661 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX040051.D

Acq: 31 Jan 2024 16:37

Instrument :

MSVOA_X

ClientSampleId :

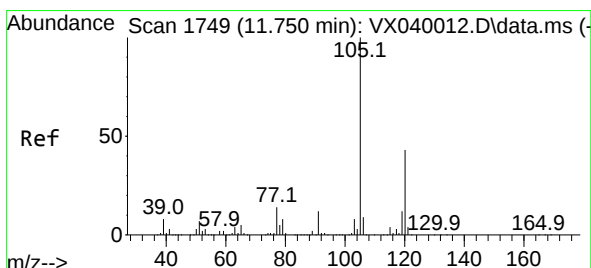
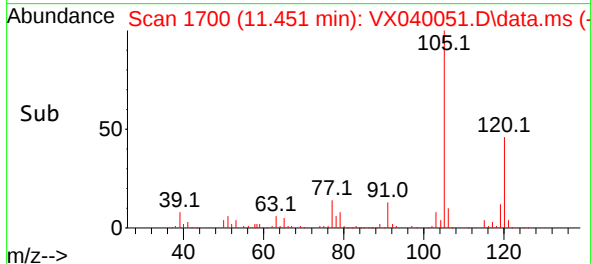
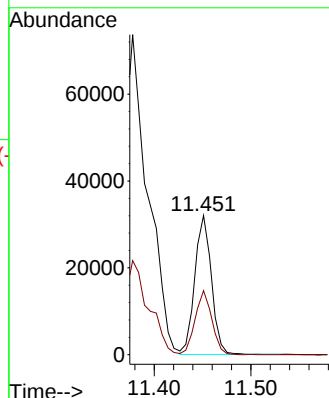
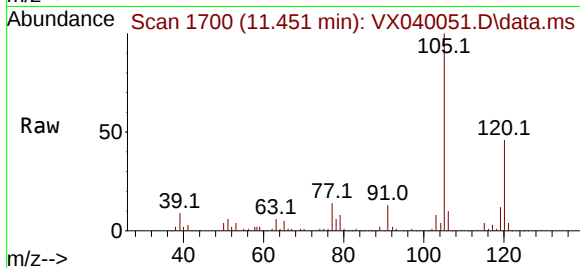
1240

Tgt Ion:105 Resp: 38259

Ion Ratio Lower Upper

105 100

120 46.3 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 32.166 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX040051.D

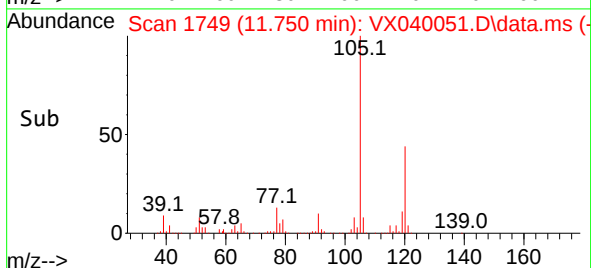
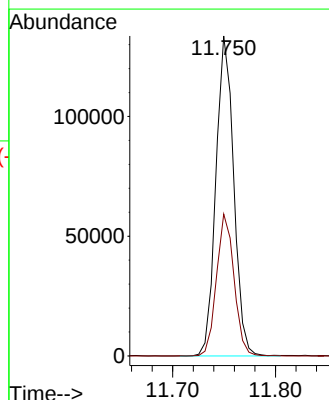
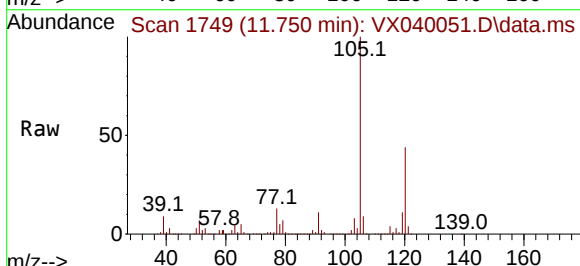
Acq: 31 Jan 2024 16:37

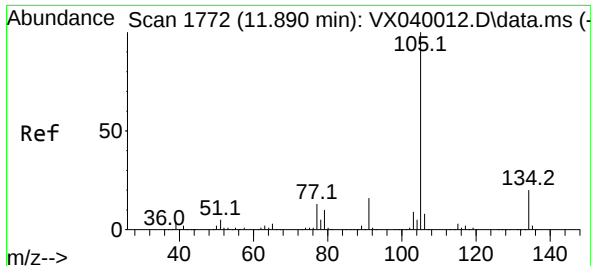
Tgt Ion:105 Resp: 160301

Ion Ratio Lower Upper

105 100

120 43.8 21.2 63.6

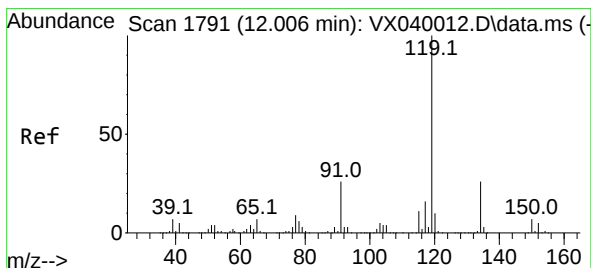
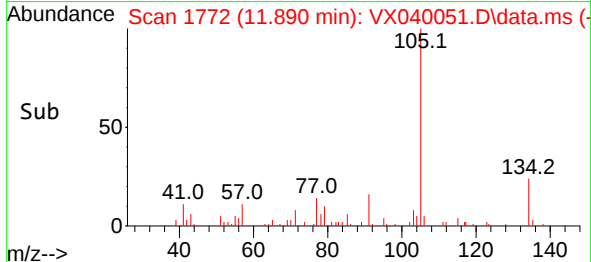
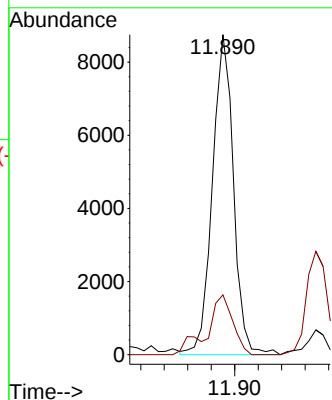
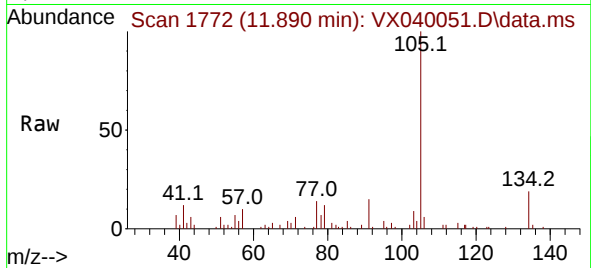




#85
 sec-Butylbenzene
 Concen: 1.721 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX040051.D
 Acq: 31 Jan 2024 16:37

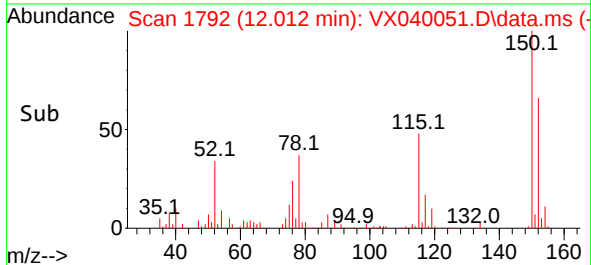
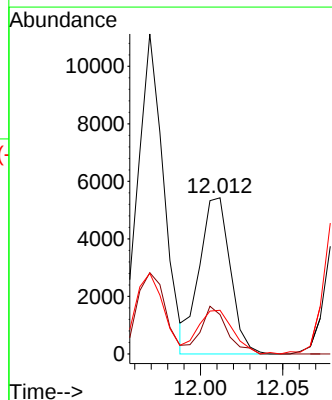
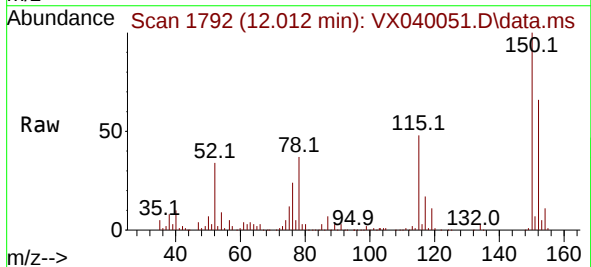
Instrument :
 MSVOA_X
 ClientSampleId :
 1240

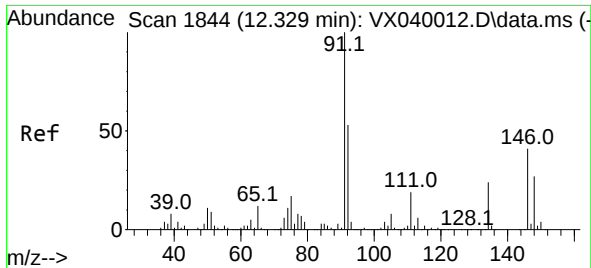
Tgt Ion:105 Resp: 10894
 Ion Ratio Lower Upper
 105 100
 134 22.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 1.370 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX040051.D
 Acq: 31 Jan 2024 16:37

Tgt Ion:119 Resp: 7085
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.8 38.3
 91 32.0 13.1 39.3

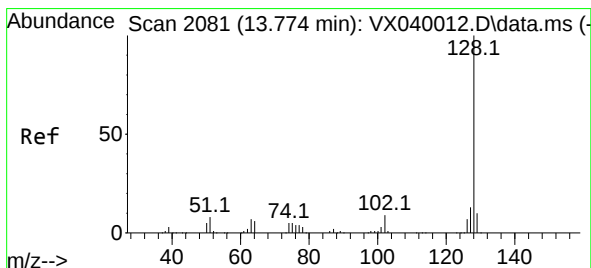
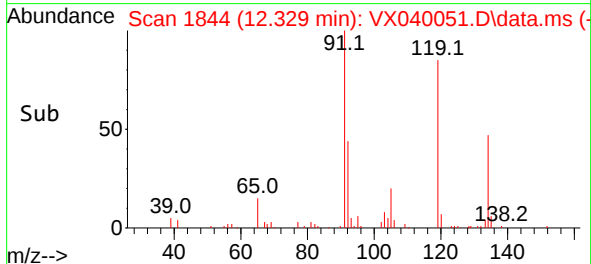
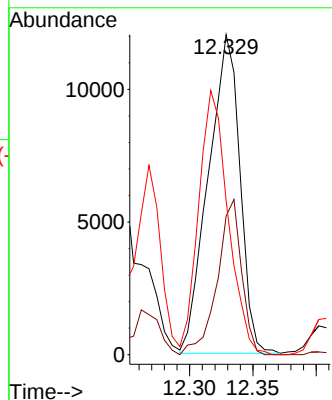
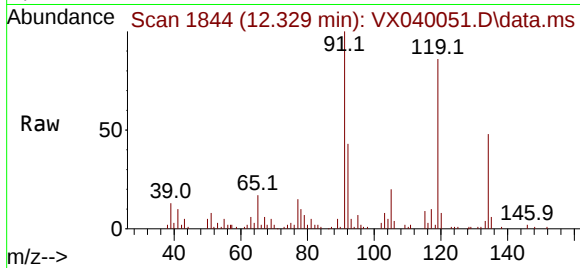




#89
n-Butylbenzene
Concen: 4.140 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX040051.D
Acq: 31 Jan 2024 16:37

Instrument :
MSVOA_X
ClientSampleId :
1240

Tgt Ion: 91 Resp: 20775
Ion Ratio Lower Upper
91 100
92 37.6 27.4 82.0
134 77.4 12.6 37.8#



#95
Naphthalene
Concen: 5.486 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX040051.D
Acq: 31 Jan 2024 16:37

Tgt Ion: 128 Resp: 30361
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 12.8 8.8 13.2

