

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033237.D
 Acq On : 05 Dec 2022 19:41
 Operator : JC/MD
 Sample : N5875-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38

Quant Time: Dec 06 06:01:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

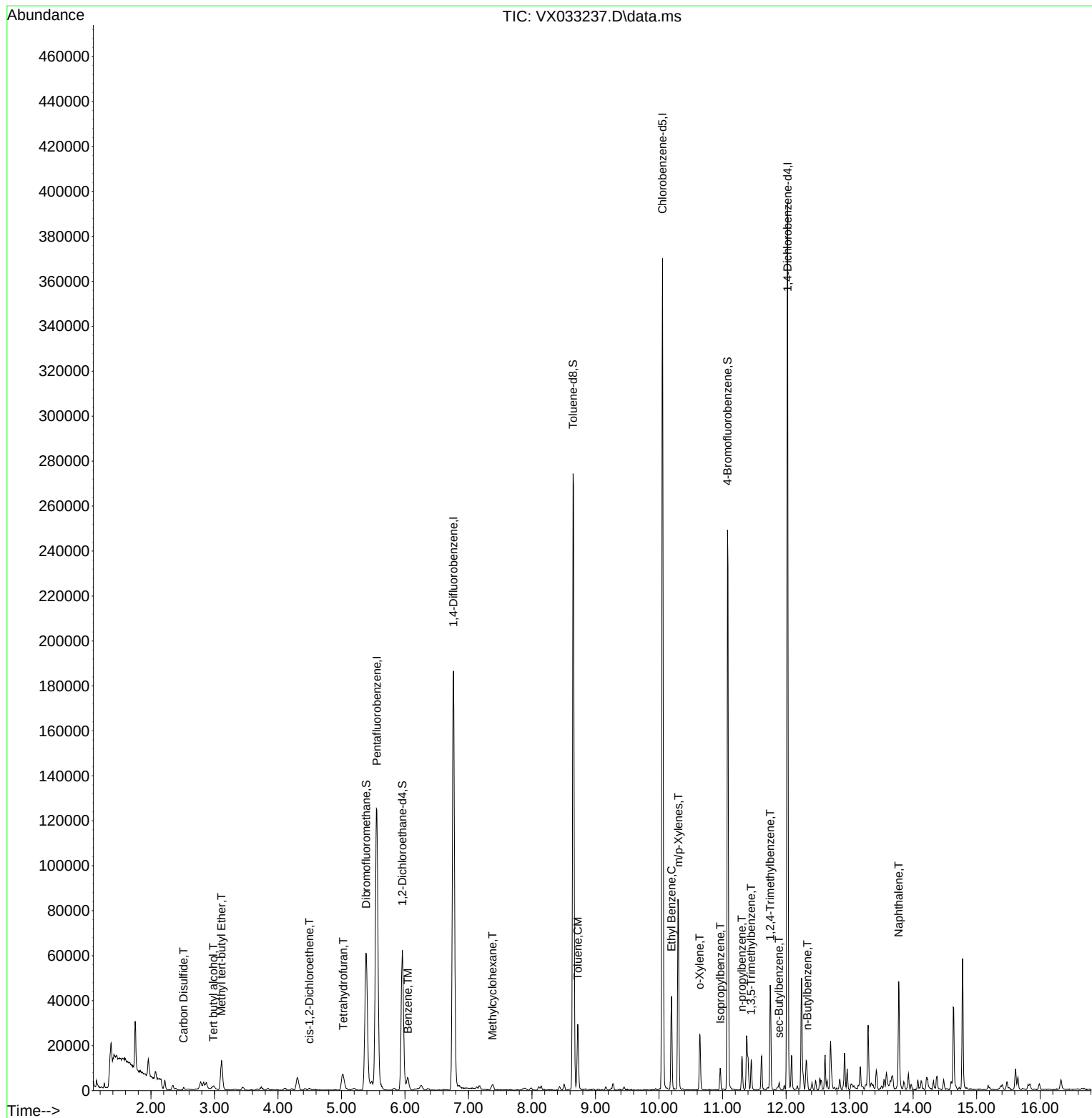
Internal Standards						
1) Pentafluorobenzene	5.556	168	125127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	200164	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60568	49.506	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.020%
35) Dibromofluoromethane	5.385	113	54549	48.340	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.680%
50) Toluene-d8	8.647	98	173588	51.177	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.360%
62) 4-Bromofluorobenzene	11.079	95	66001	44.525	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	3585	18.559	ug/l #	83
17) Carbon Disulfide	2.514	76	1455	0.482	ug/l #	92
19) Methyl tert-butyl Ether	3.111	73	11555	3.051	ug/l #	58
27) cis-1,2-Dichloroethene	4.495	96	574	0.404	ug/l	77
29) Tetrahydrofuran	5.025	42	7345	14.751	ug/l	99
39) Methylcyclohexane	7.379	83	1092	0.530	ug/l #	79
40) Benzene	6.044	78	6730	1.330	ug/l	96
52) Toluene	8.720	92	11121	3.341	ug/l	99
67) Ethyl Benzene	10.195	91	24716	3.989	ug/l	100
68) m/p-Xylenes	10.305	106	20649	8.511	ug/l	98
69) o-Xylene	10.640	106	6116	2.605	ug/l	91
73) Isopropylbenzene	10.963	105	5495	0.912	ug/l	97
78) n-propylbenzene	11.305	91	9334	1.356	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	6160	1.218	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	21849	4.331	ug/l	100
85) sec-Butylbenzene	11.890	105	1976	0.328	ug/l	82
89) n-Butylbenzene	12.335	91	2508	0.570	ug/l #	47
95) Naphthalene	13.774	128	32184	5.972	ug/l	99

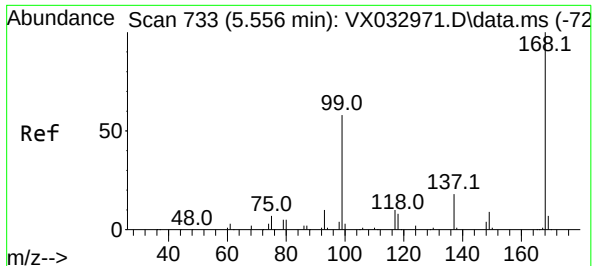
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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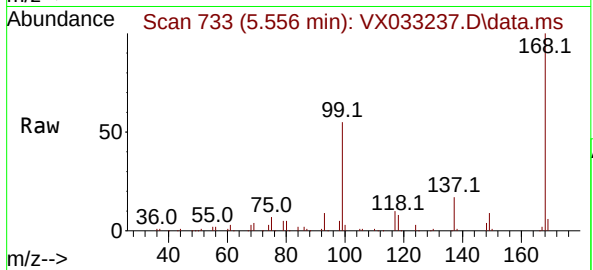
Quant Time: Dec 06 06:01:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
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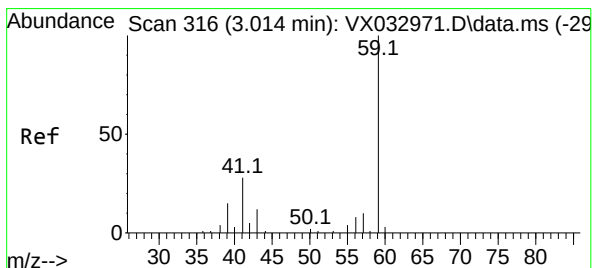
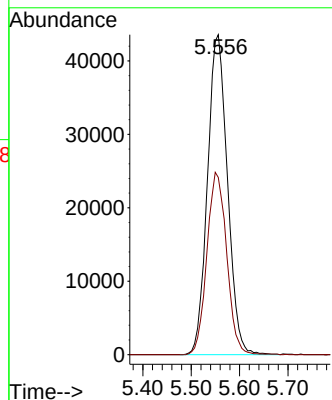
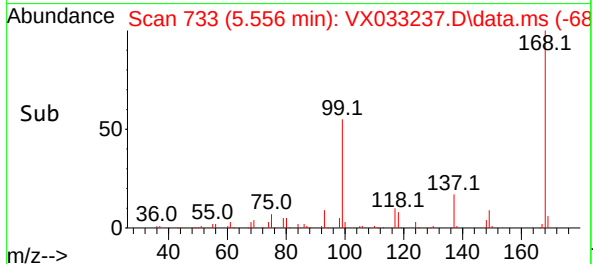


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Instrument :
MSVOA_X
ClientSampleId :
MW-38

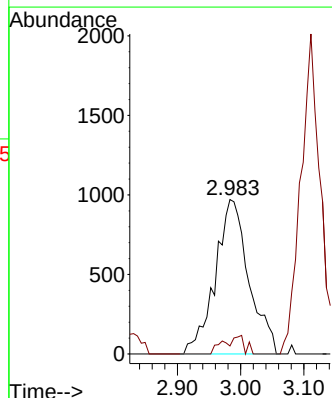
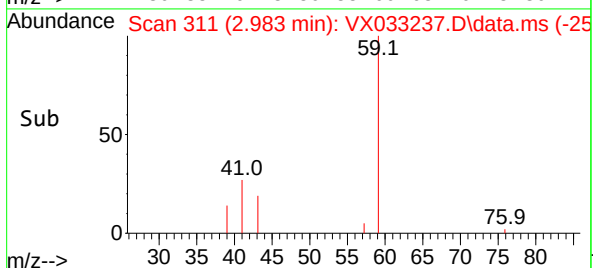
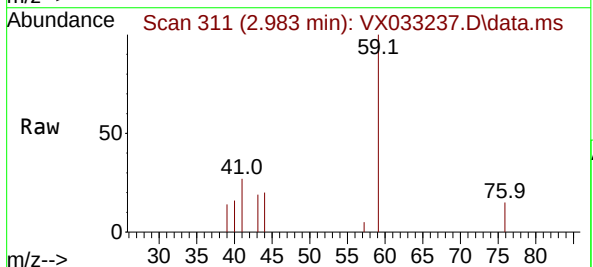


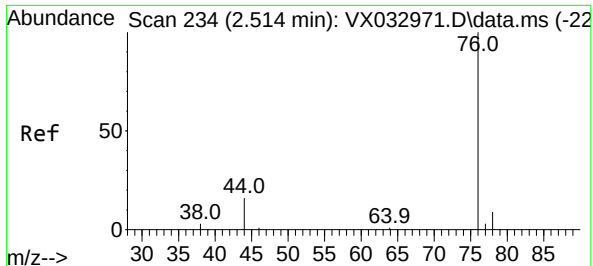
Tgt Ion:168 Resp: 125127
Ion Ratio Lower Upper
168 100
99 55.4 46.1 69.1



#11
Tert butyl alcohol
Concen: 18.559 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.018 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Tgt Ion: 59 Resp: 3585
Ion Ratio Lower Upper
59 100
57 4.1 8.2 12.4#

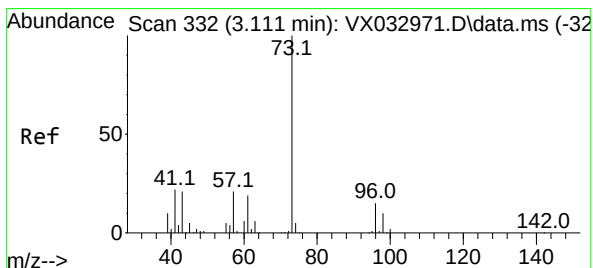
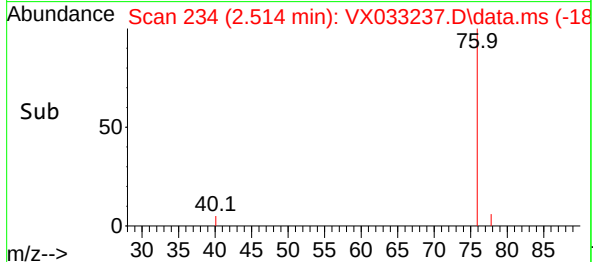
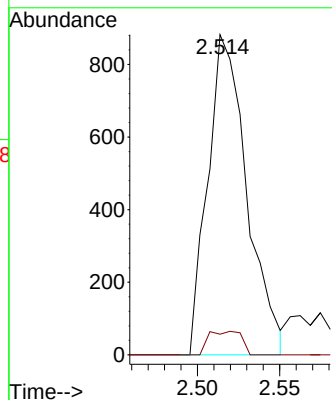
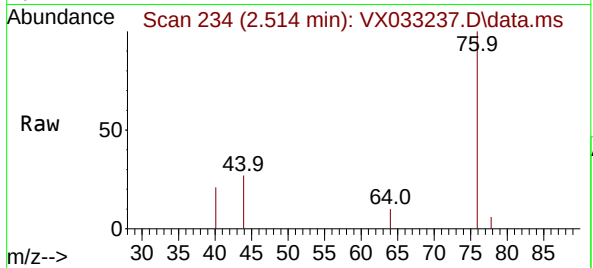




#17
Carbon Disulfide
Concen: 0.482 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

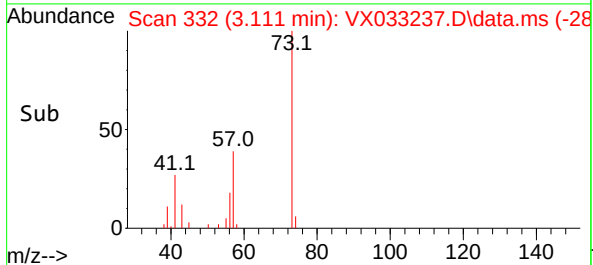
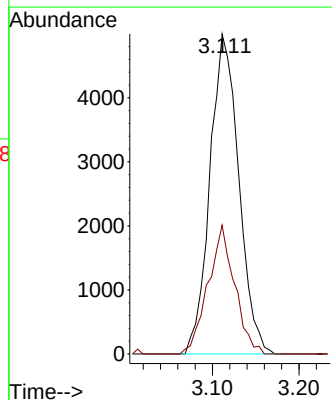
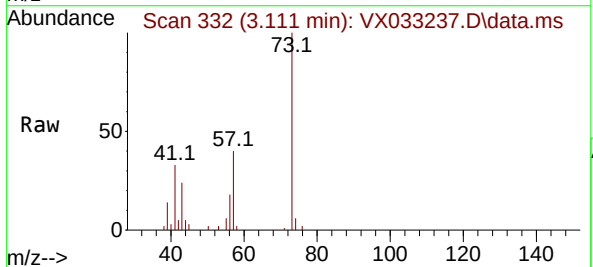
Instrument :
MSVOA_X
ClientSampleId :
MW-38

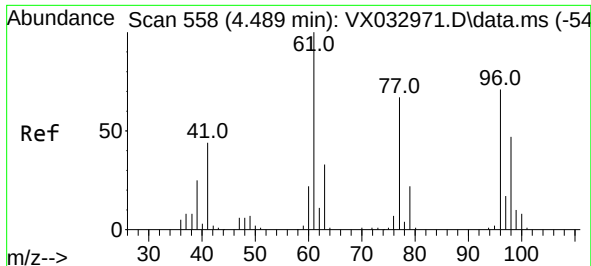
Tgt Ion: 76 Resp: 1455
Ion Ratio Lower Upper
76 100
78 6.5 7.5 11.3#



#19
Methyl tert-butyl Ether
Concen: 3.051 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Tgt Ion: 73 Resp: 11555
Ion Ratio Lower Upper
73 100
57 40.3 16.6 25.0#





#27

cis-1,2-Dichloroethene

Concen: 0.404 ug/l

RT: 4.495 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX033237.D

Acq: 05 Dec 2022 19:41

Instrument :

MSVOA_X

ClientSampleId :

MW-38

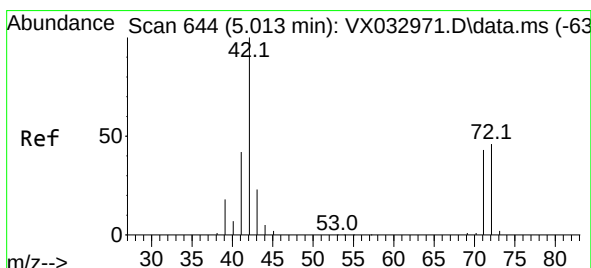
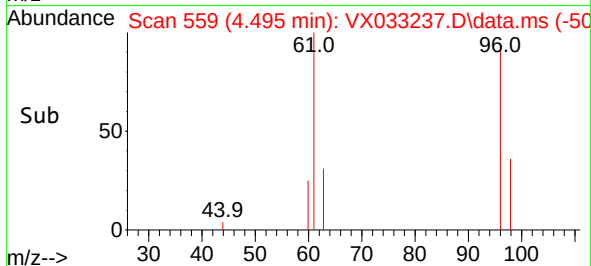
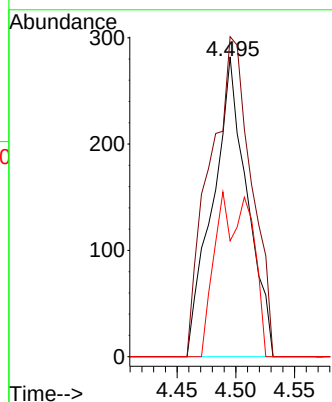
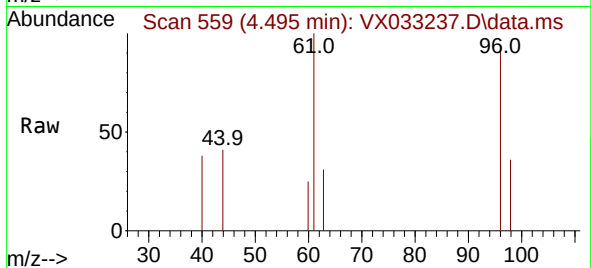
Tgt Ion: 96 Resp: 574

Ion Ratio Lower Upper

96 100

61 129.1 0.0 286.0

98 27.5 0.0 129.6



#29

Tetrahydrofuran

Concen: 14.751 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.024 min

Lab File: VX033237.D

Acq: 05 Dec 2022 19:41

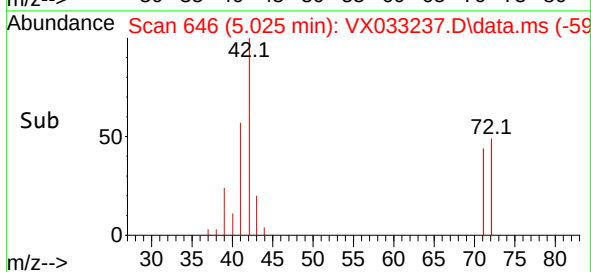
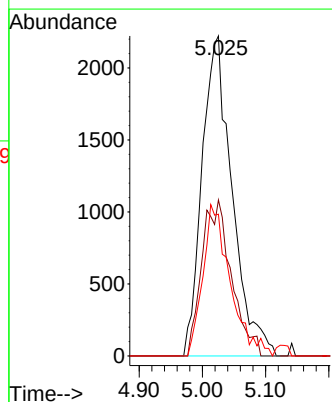
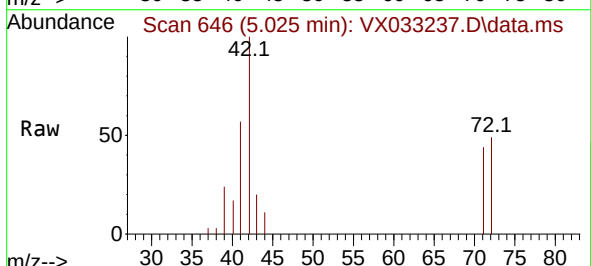
Tgt Ion: 42 Resp: 7345

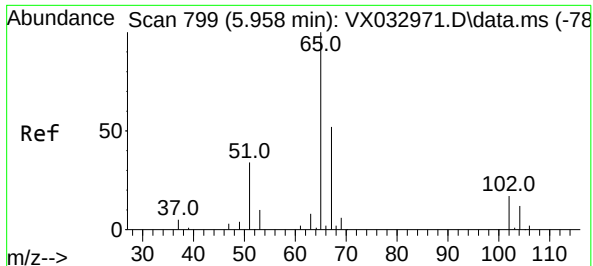
Ion Ratio Lower Upper

42 100

72 47.9 37.6 56.4

71 43.0 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 49.506 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033237.D

Acq: 05 Dec 2022 19:41

Instrument :

MSVOA_X

ClientSampleId :

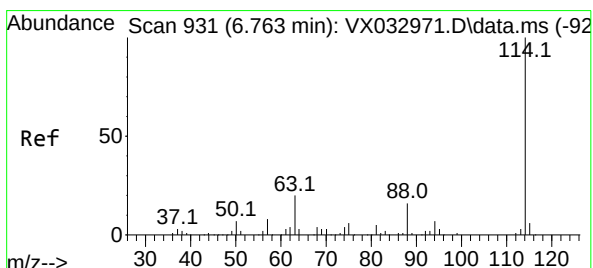
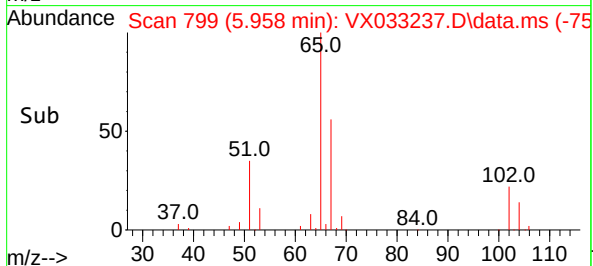
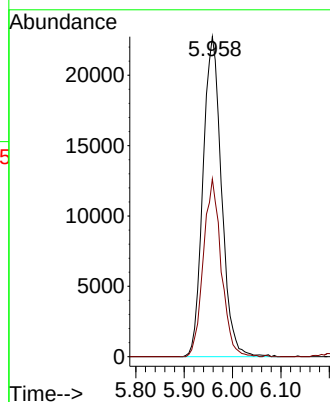
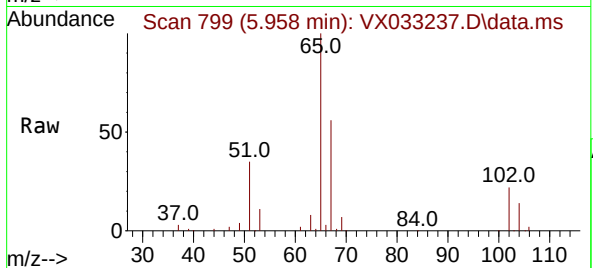
MW-38

Tgt Ion: 65 Resp: 60568

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033237.D

Acq: 05 Dec 2022 19:41

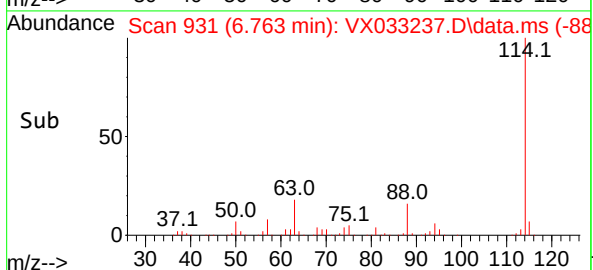
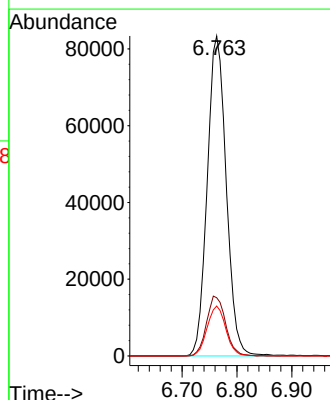
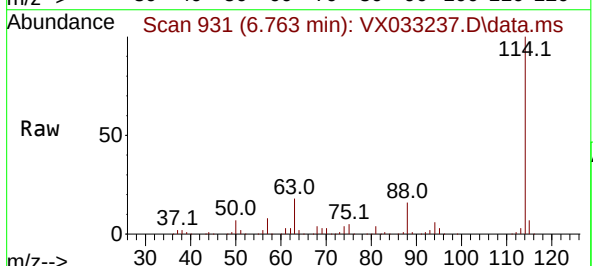
Tgt Ion: 114 Resp: 200164

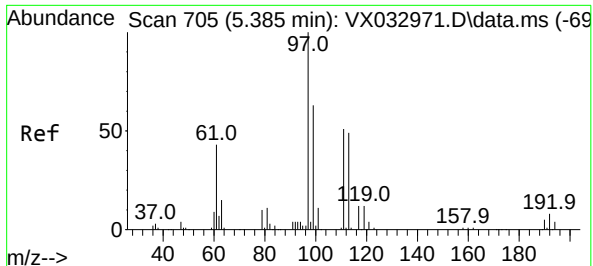
Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.6

88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.340 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033237.D

Acq: 05 Dec 2022 19:41

Instrument :

MSVOA_X

ClientSampleId :

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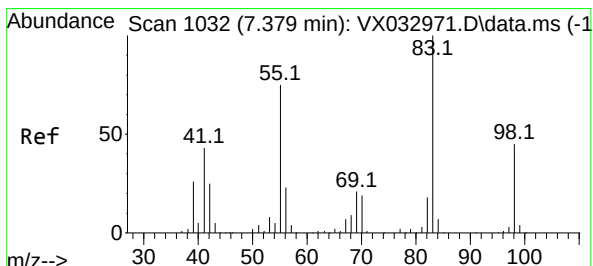
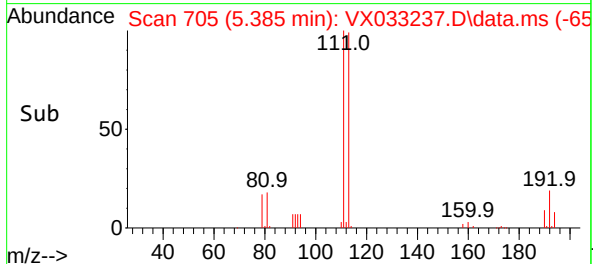
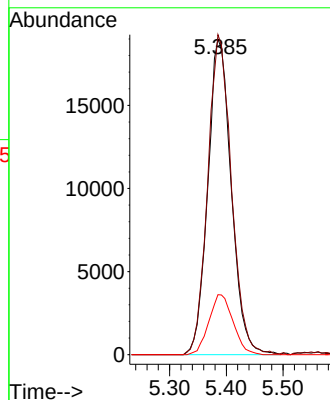
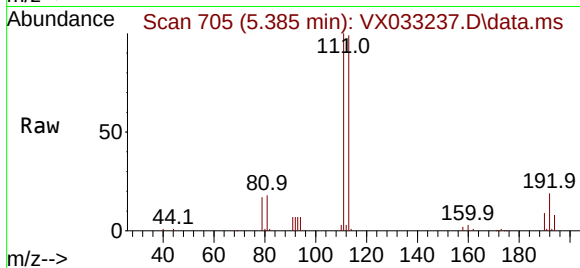
Tgt Ion:113 Resp: 54549

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 19.6 15.4 23.2



#39

Methylcyclohexane

Concen: 0.530 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX033237.D

Acq: 05 Dec 2022 19:41

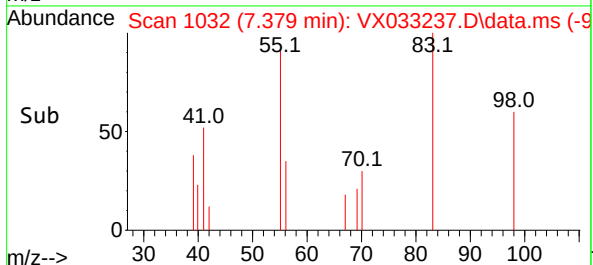
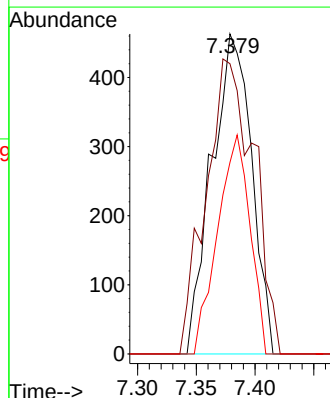
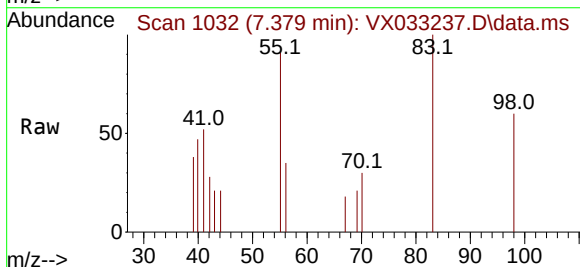
Tgt Ion: 83 Resp: 1092

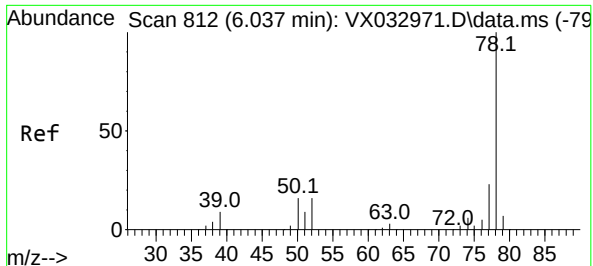
Ion Ratio Lower Upper

83 100

55 90.7 58.4 87.6#

98 59.8 37.2 55.8#

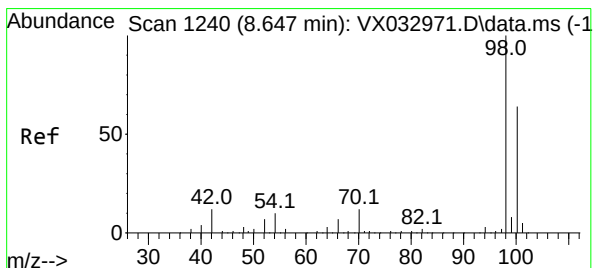
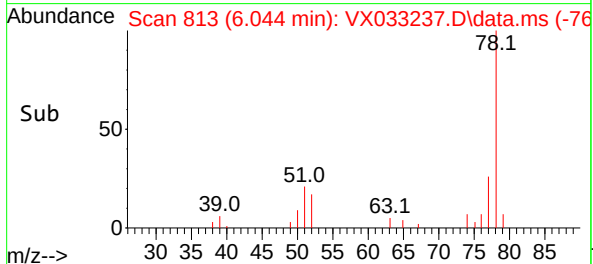
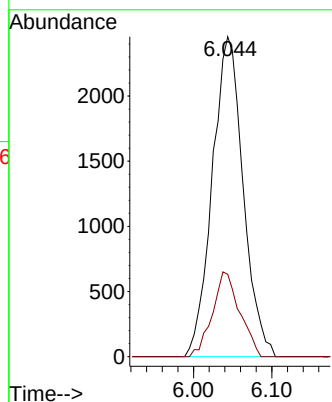
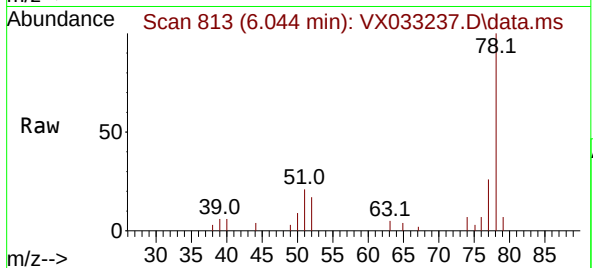




#40
Benzene
Concen: 1.330 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

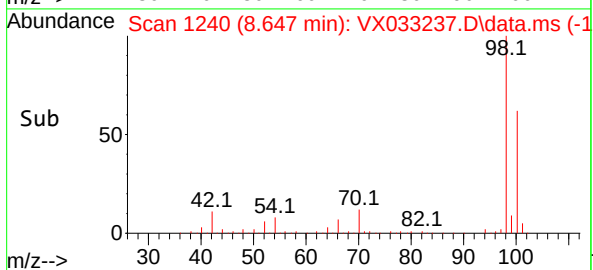
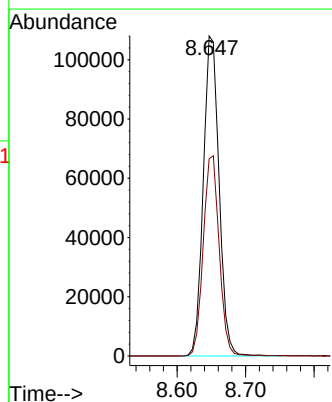
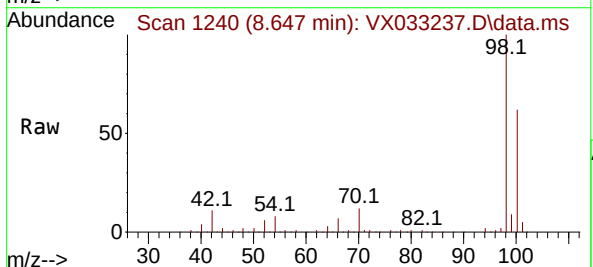
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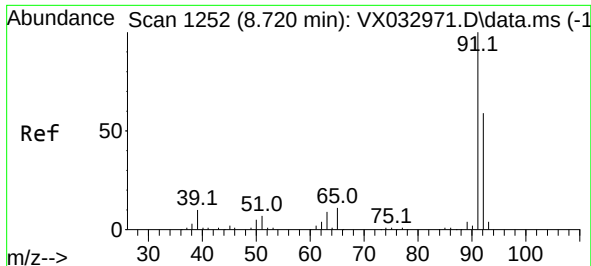
Tgt Ion: 78 Resp: 6730
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.4



#50
Toluene-d8
Concen: 51.177 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Tgt Ion: 98 Resp: 173588
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

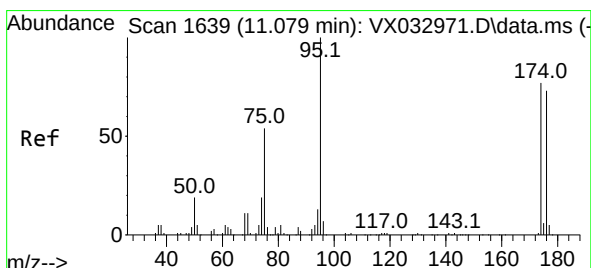
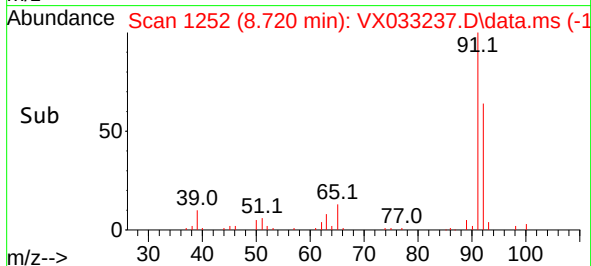
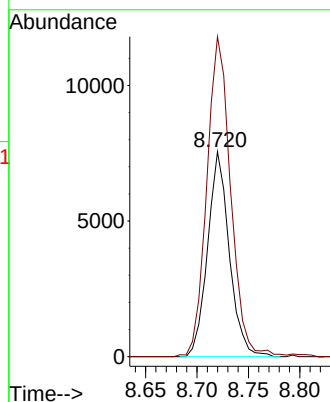
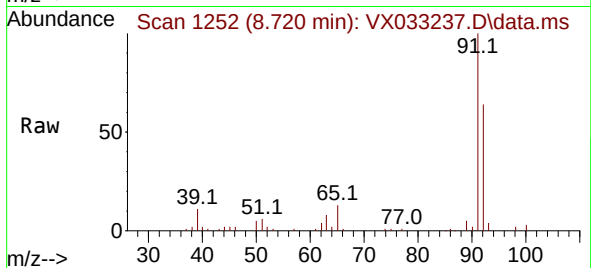




#52
Toluene
Concen: 3.341 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

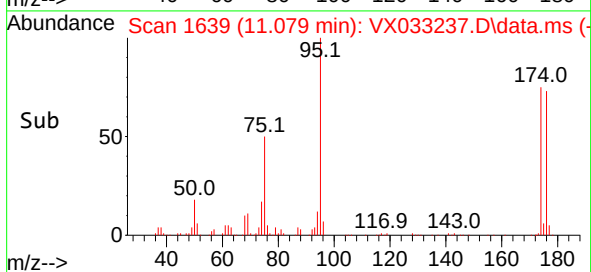
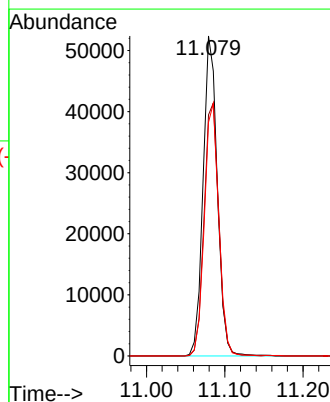
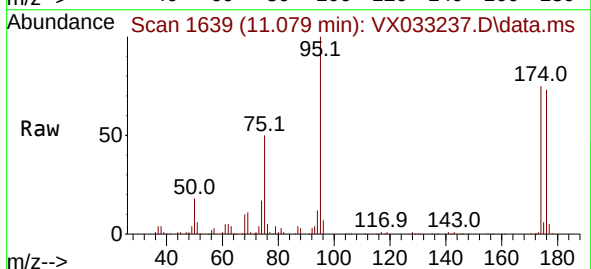
Instrument :
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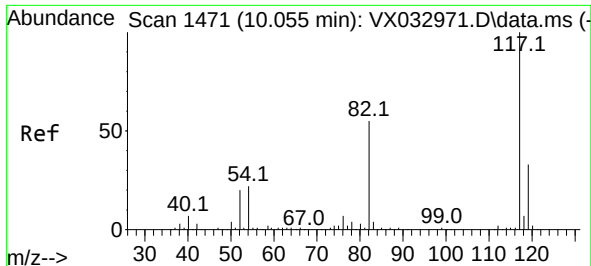
Tgt Ion: 92 Resp: 11121
Ion Ratio Lower Upper
92 100
91 171.5 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 44.525 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Tgt Ion: 95 Resp: 66001
Ion Ratio Lower Upper
95 100
174 81.8 0.0 164.0
176 80.0 0.0 154.4

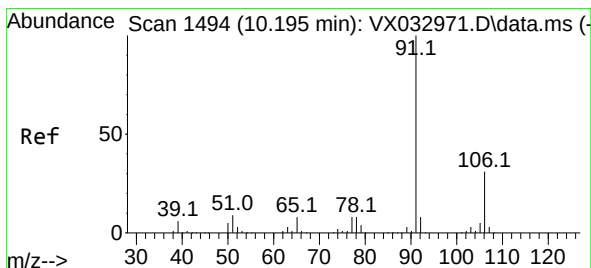
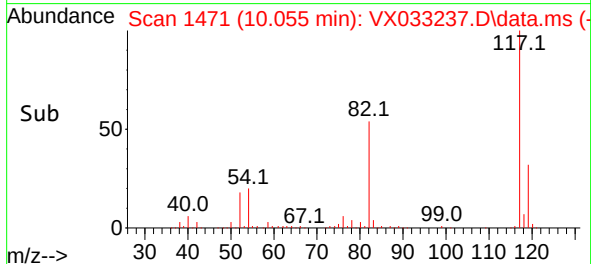
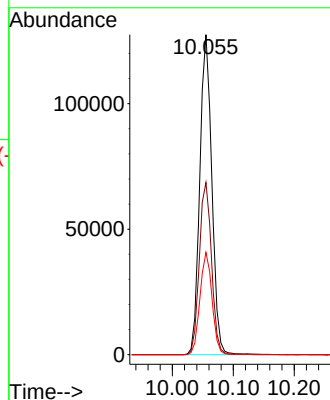
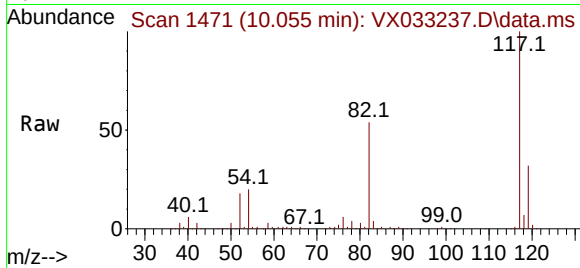




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

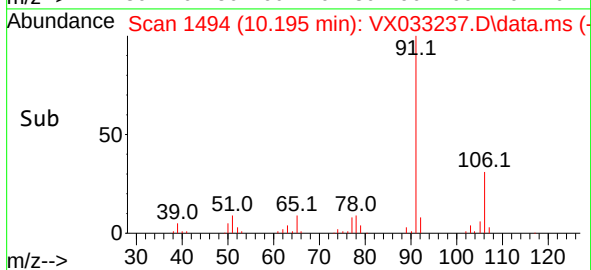
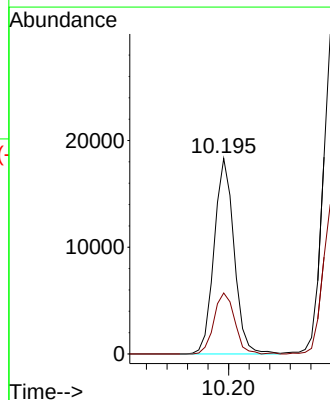
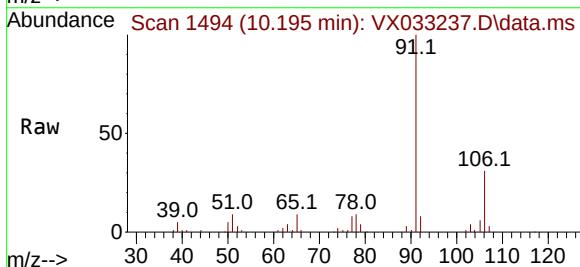
Instrument :
MSVOA_X
ClientSampleId :
MW-38

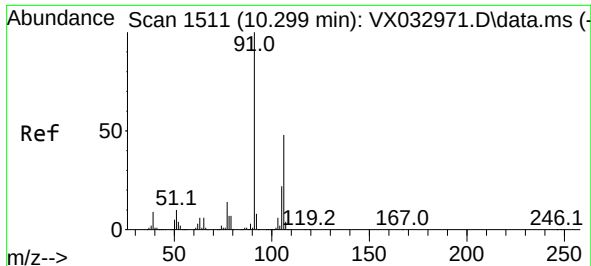
Tgt Ion:117 Resp: 175194
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 32.0 25.7 38.5



#67
Ethyl Benzene
Concen: 3.989 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Tgt Ion: 91 Resp: 24716
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

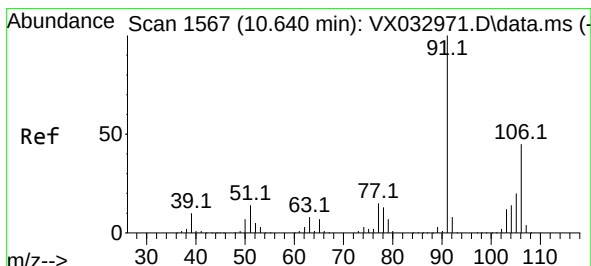
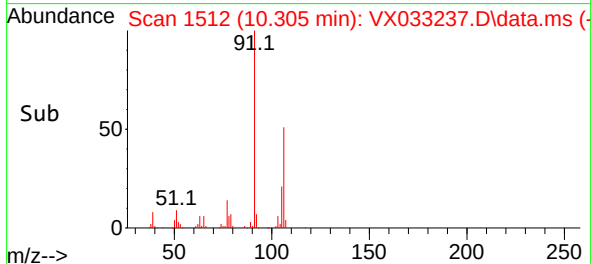
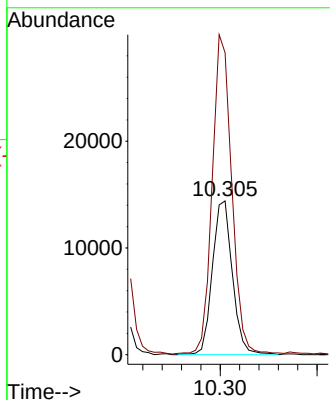
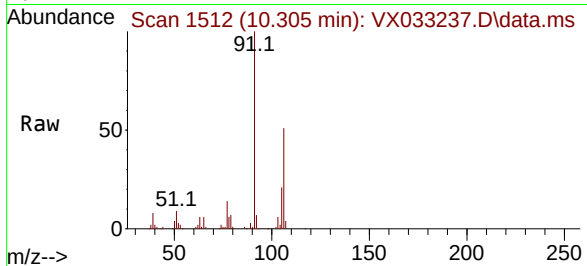




#68
m/p-Xylenes
Concen: 8.511 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

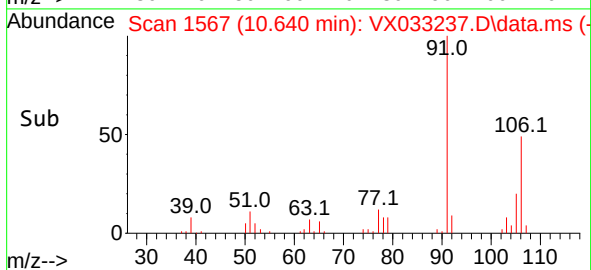
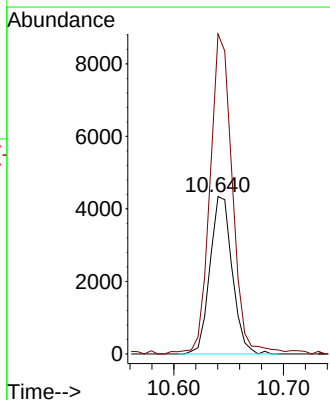
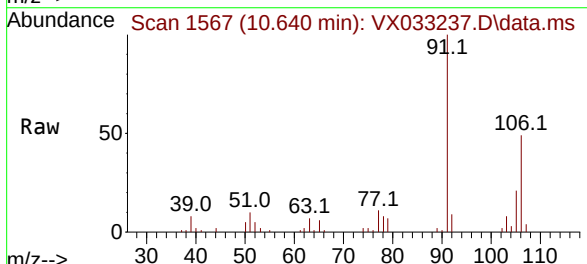
Instrument :
MSVOA_X
ClientSampleId :
MW-38

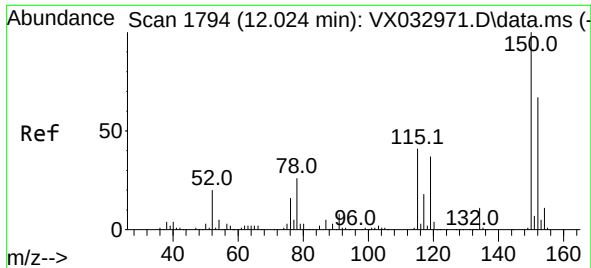
Tgt Ion:106 Resp: 20649
Ion Ratio Lower Upper
106 100
91 202.3 164.5 246.7



#69
o-Xylene
Concen: 2.605 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Tgt Ion:106 Resp: 6116
Ion Ratio Lower Upper
106 100
91 204.6 109.2 327.6

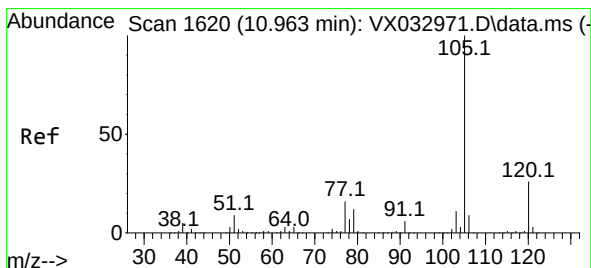
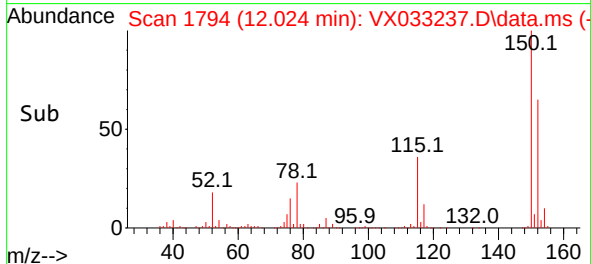
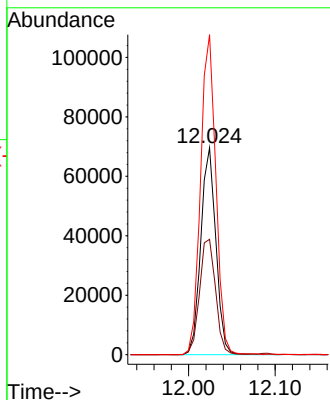
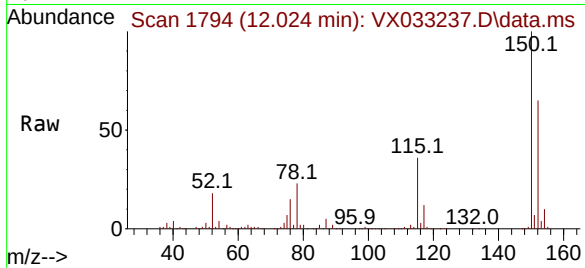




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

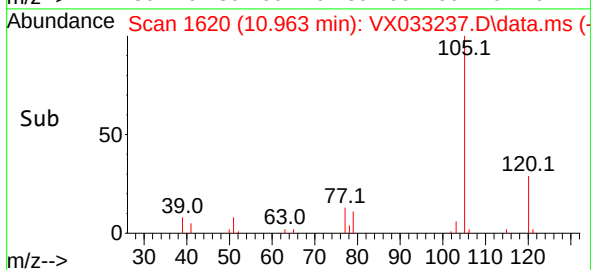
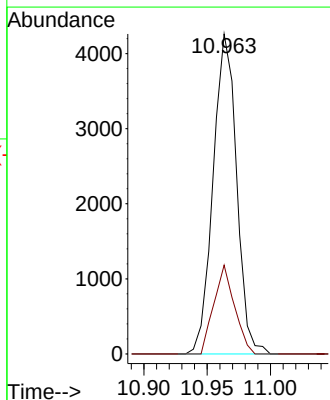
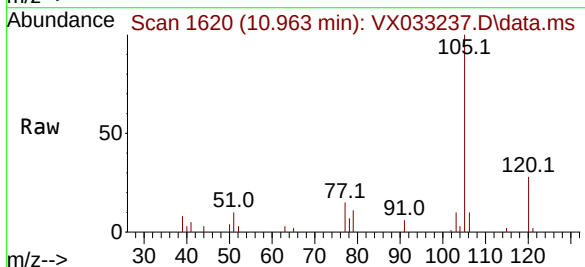
Instrument :
MSVOA_X
ClientSampleId :
MW-38

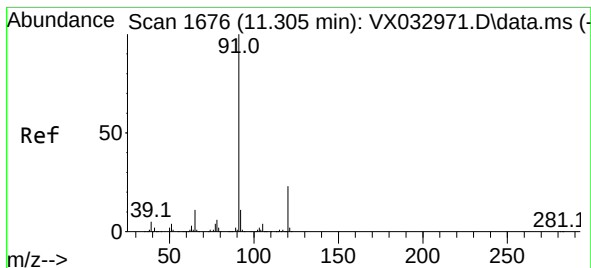
Tgt Ion:152 Resp: 84280
Ion Ratio Lower Upper
152 100
115 59.4 44.0 132.0
150 156.9 0.0 351.8



#73
Isopropylbenzene
Concen: 0.912 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Tgt Ion:105 Resp: 5495
Ion Ratio Lower Upper
105 100
120 24.5 13.1 39.3





#78

n-propylbenzene

Concen: 1.356 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX033237.D

Acq: 05 Dec 2022 19:41

Instrument :

MSVOA_X

ClientSampleId :

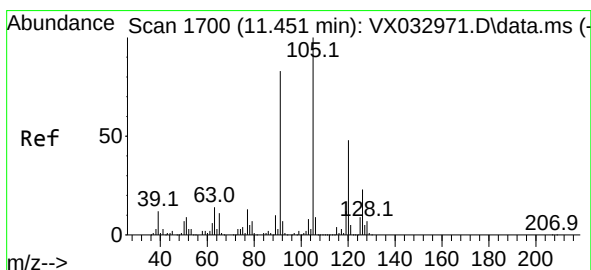
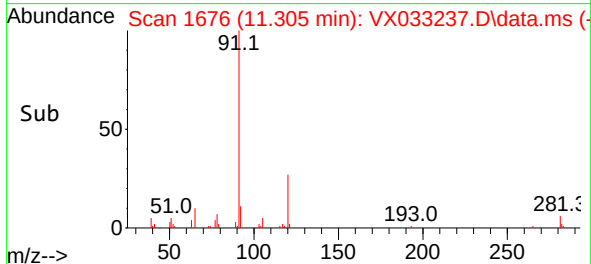
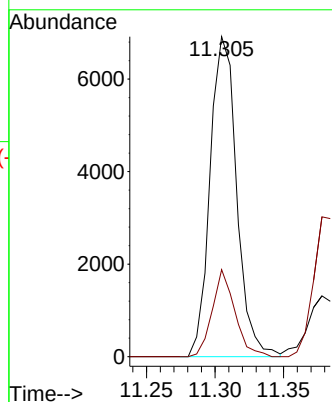
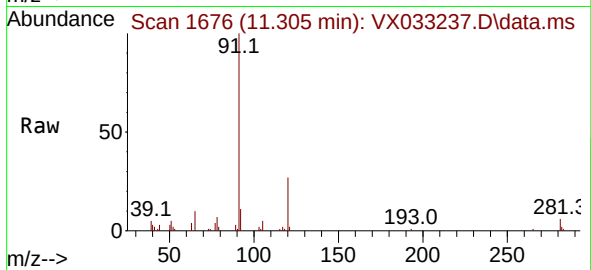
MW-38

Tgt Ion: 91 Resp: 9334

Ion Ratio Lower Upper

91 100

120 23.2 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 1.218 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX033237.D

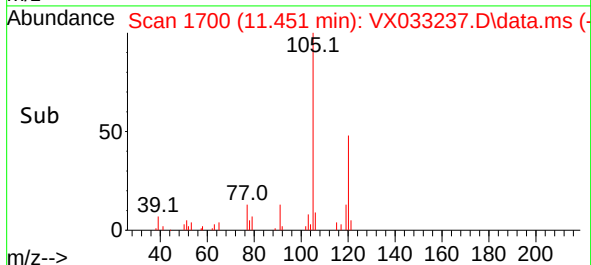
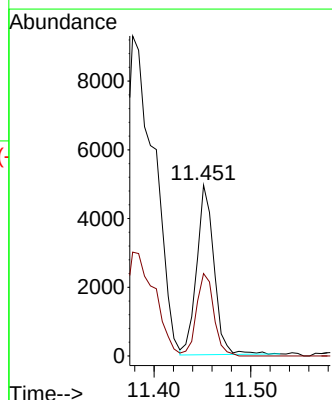
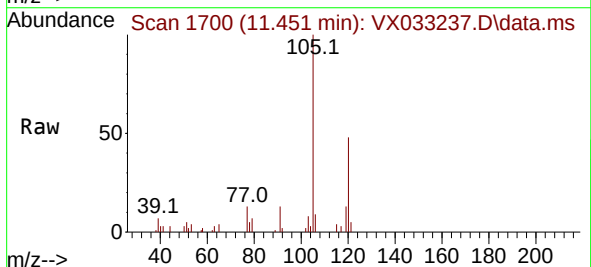
Acq: 05 Dec 2022 19:41

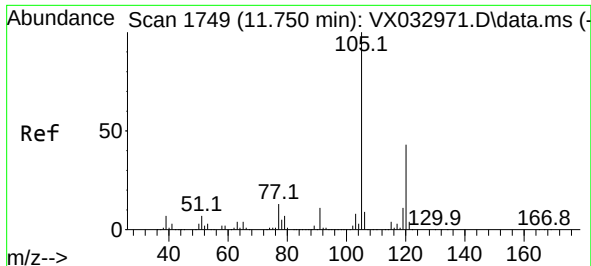
Tgt Ion:105 Resp: 6160

Ion Ratio Lower Upper

105 100

120 48.7 23.6 71.0

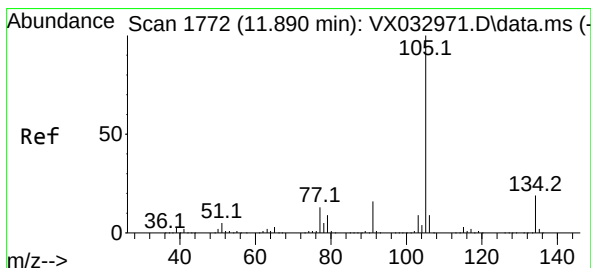
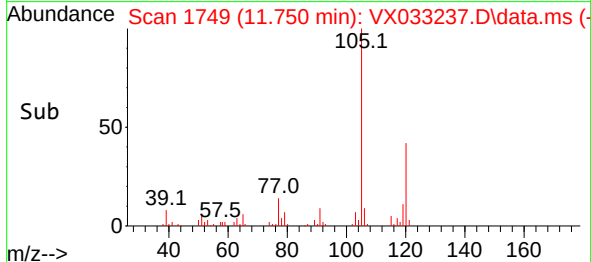
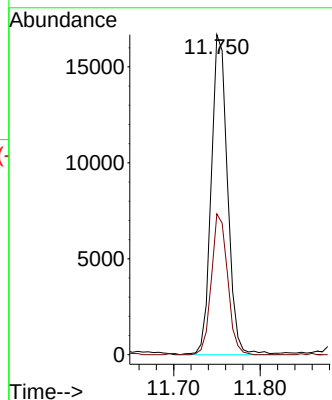
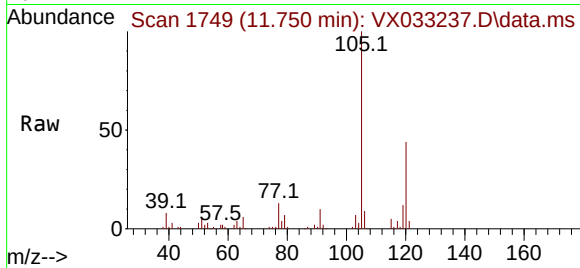




#84
1,2,4-Trimethylbenzene
Concen: 4.331 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

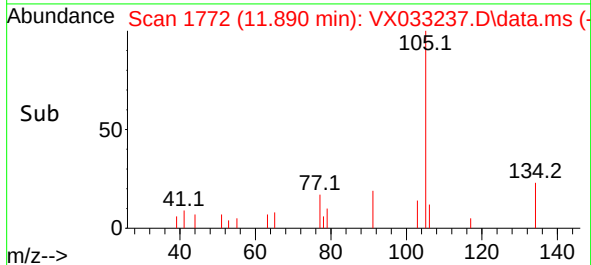
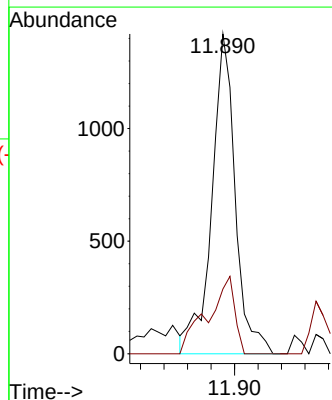
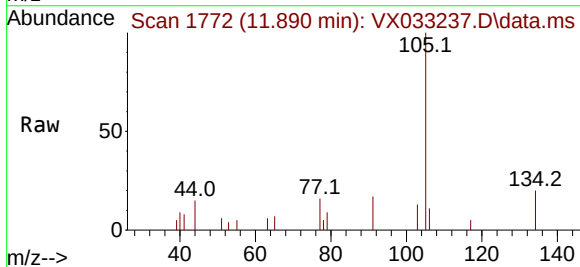
Instrument :
MSVOA_X
ClientSampleId :
MW-38

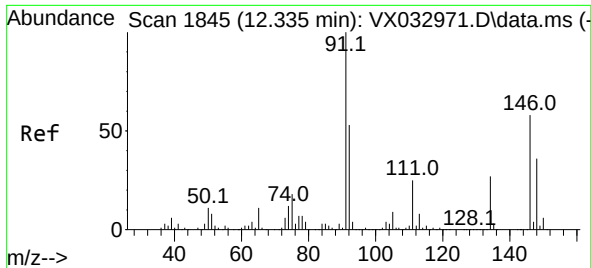
Tgt Ion:105 Resp: 21849
Ion Ratio Lower Upper
105 100
120 43.6 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.328 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Tgt Ion:105 Resp: 1976
Ion Ratio Lower Upper
105 100
134 27.9 9.9 29.7

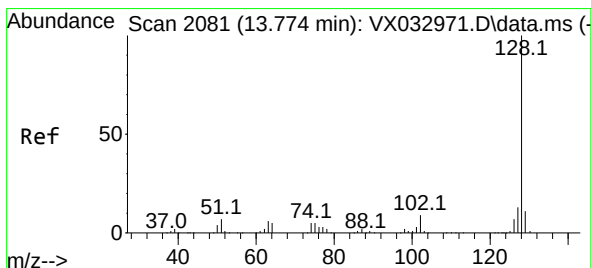
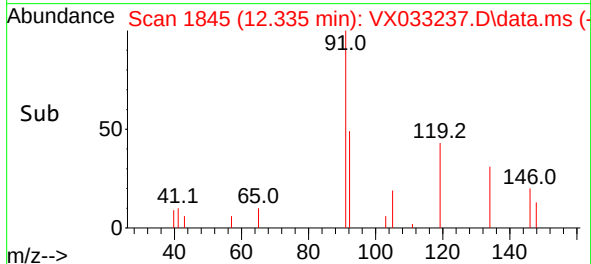
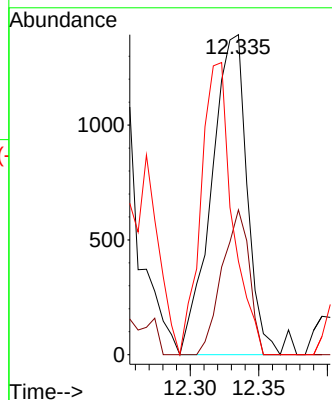
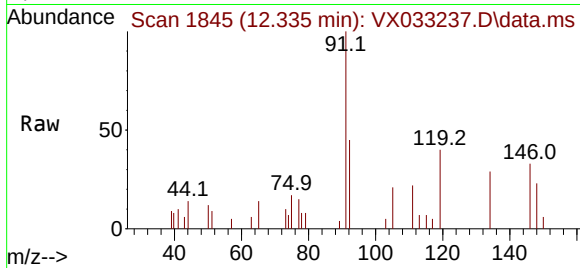




#89
n-Butylbenzene
Concen: 0.570 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Instrument :
MSVOA_X
ClientSampleId :
MW-38

Tgt Ion: 91 Resp: 2508
Ion Ratio Lower Upper
91 100
92 34.8 26.2 78.6
134 81.1 12.9 38.6#



#95
Naphthalene
Concen: 5.972 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX033237.D
Acq: 05 Dec 2022 19:41

Tgt Ion: 128 Resp: 32184
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.4
129 11.1 8.9 13.3

