

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
 Data File : VX033112.D
 Acq On : 29 Nov 2022 13:01
 Operator : JC/MD
 Sample : N5741-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-34

Quant Time: Nov 30 01:01:48 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	128905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	210697	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88516	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69189	55.259	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.520%	
35) Dibromofluoromethane	5.385	113	54137	45.576	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.160%	
50) Toluene-d8	8.647	98	186673	52.332	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.660%	
62) 4-Bromofluorobenzene	11.079	95	68615	43.974	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.940%	

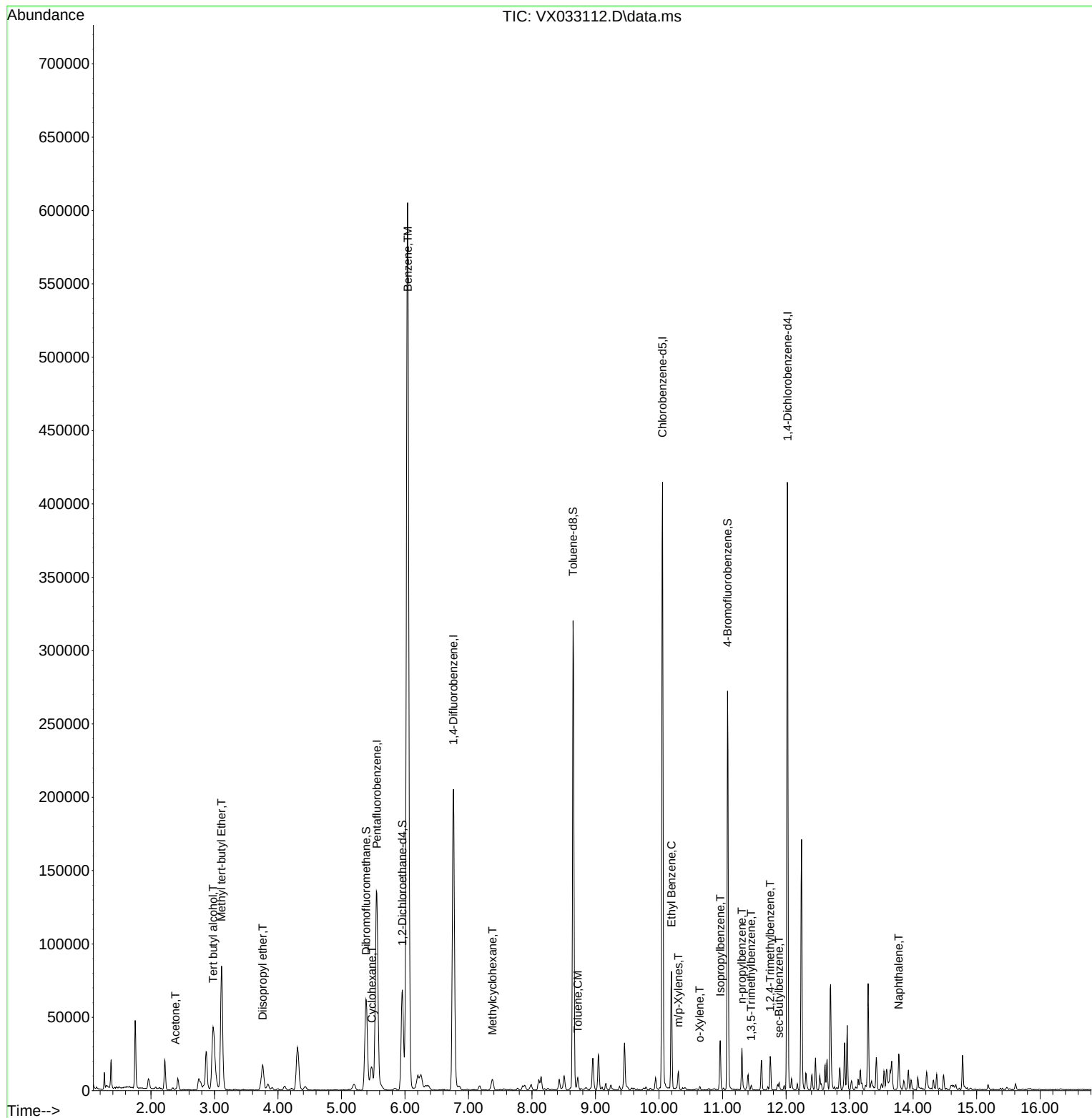
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	72937	366.524	ug/l	99
16) Acetone	2.386	43	1079	1.840	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	87635	22.463	ug/l	94
22) Diisopropyl ether	3.757	45	16052	4.059	ug/l #	88
31) Cyclohexane	5.477	56	10569	5.196	ug/l	98
39) Methylcyclohexane	7.379	83	2950	1.361	ug/l #	86
40) Benzene	6.044	78	733301	137.704	ug/l	99
52) Toluene	8.720	92	2687	0.767	ug/l	91
67) Ethyl Benzene	10.195	91	45714	7.005	ug/l	100
68) m/p-Xylenes	10.305	106	2722	1.065	ug/l	91
69) o-Xylene	10.640	106	504	0.204	ug/l	97
73) Isopropylbenzene	10.963	105	16898	2.672	ug/l	100
78) n-propylbenzene	11.305	91	16269	2.250	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	1568	0.295	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	10697	2.019	ug/l	96
85) sec-Butylbenzene	11.890	105	2791	0.441	ug/l	99
95) Naphthalene	13.774	128	16228	2.867	ug/l	97

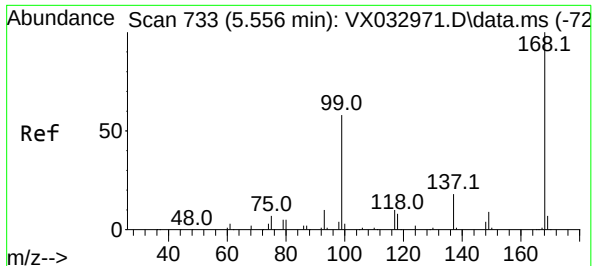
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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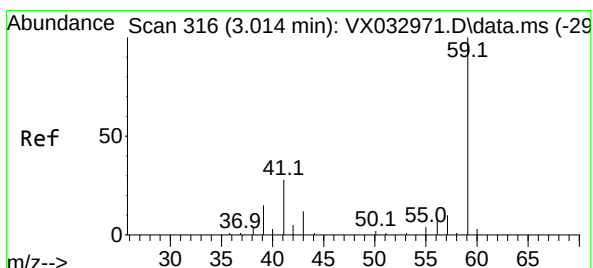
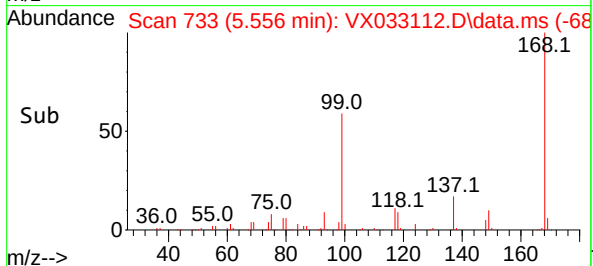
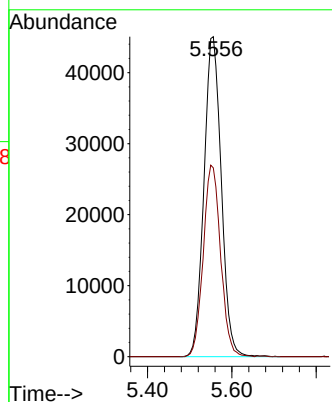
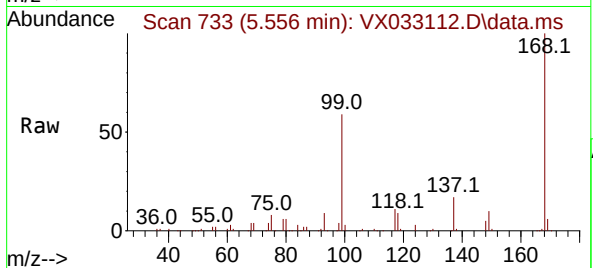




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

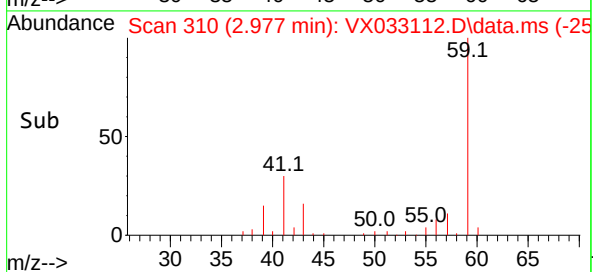
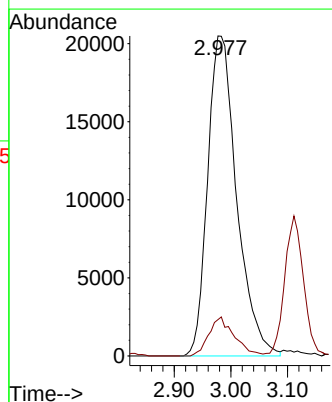
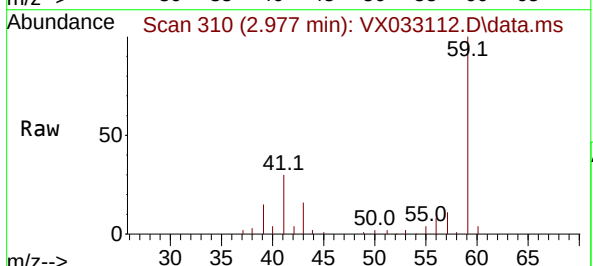
Instrument :
MSVOA_X
ClientSampleId :
MW-34

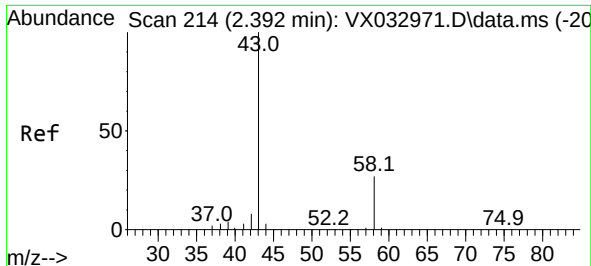
Tgt Ion:168 Resp: 128905
Ion Ratio Lower Upper
168 100
99 59.0 46.1 69.1



#11
Tert butyl alcohol
Concen: 366.524 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.012 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion: 59 Resp: 72937
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4

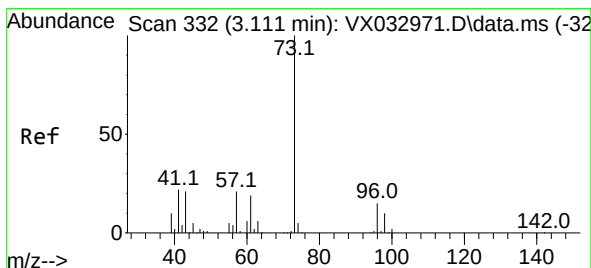
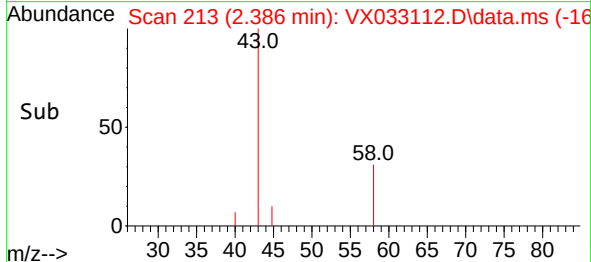
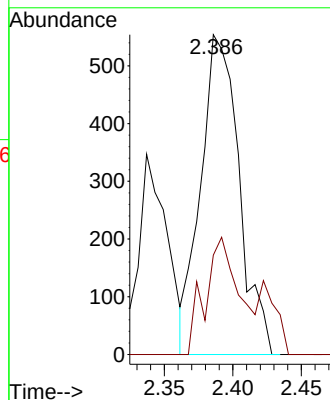
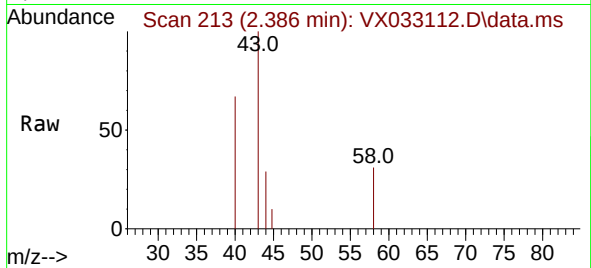




#16
Acetone
Concen: 1.840 ug/l
RT: 2.386 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

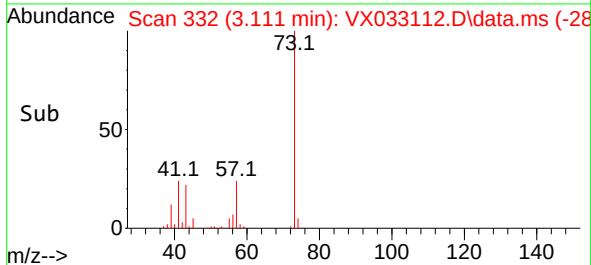
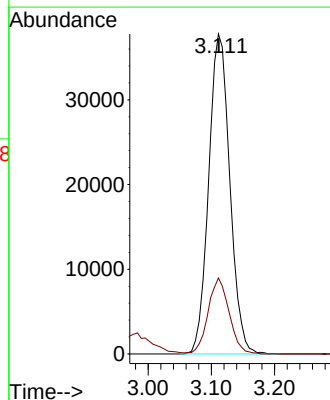
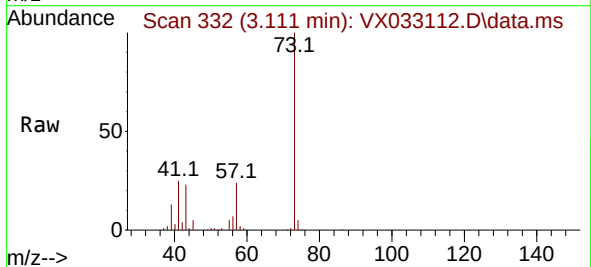
Instrument :
MSVOA_X
ClientSampleId :
MW-34

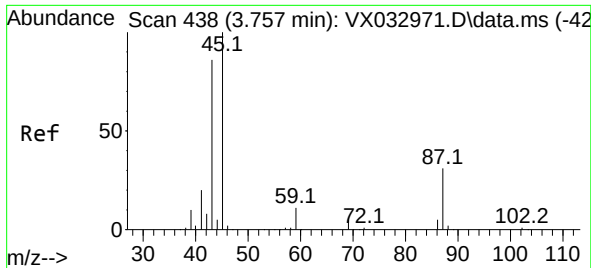
Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
58 31.0 23.8 35.8



#19
Methyl tert-butyl Ether
Concen: 22.463 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion: 73 Resp: 87635
Ion Ratio Lower Upper
73 100
57 23.7 16.6 25.0

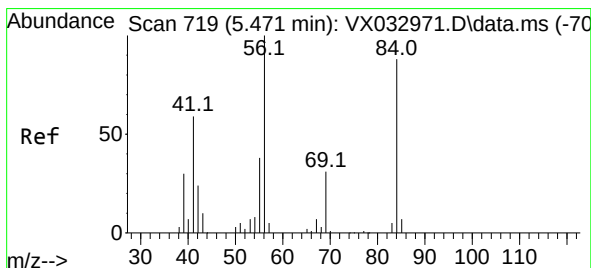
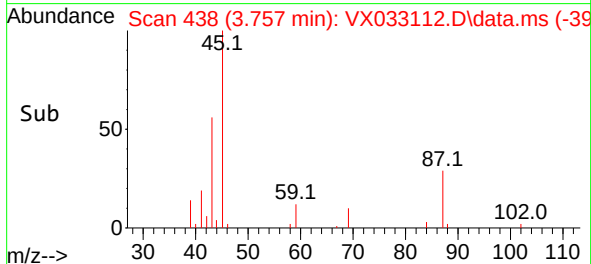
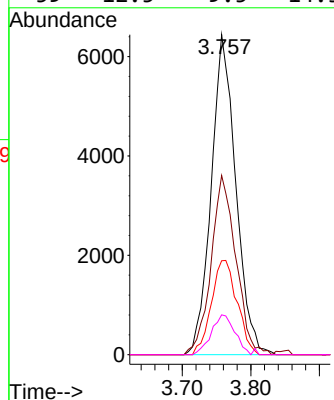
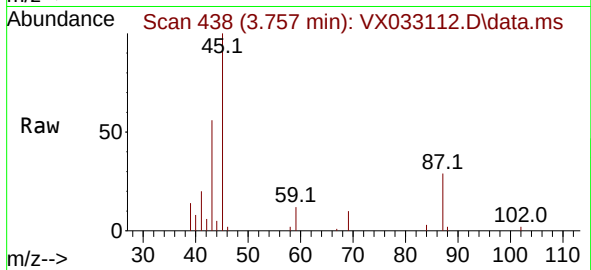




#22
Diisopropyl ether
Concen: 4.059 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

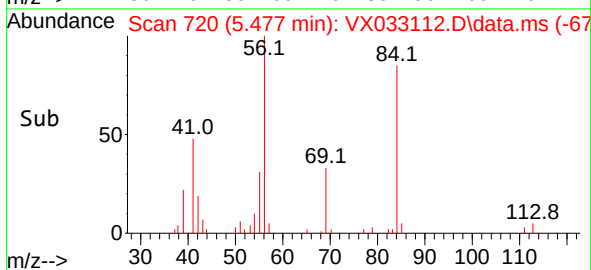
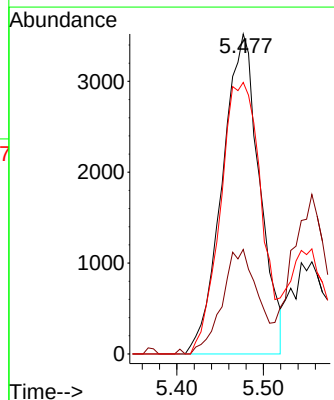
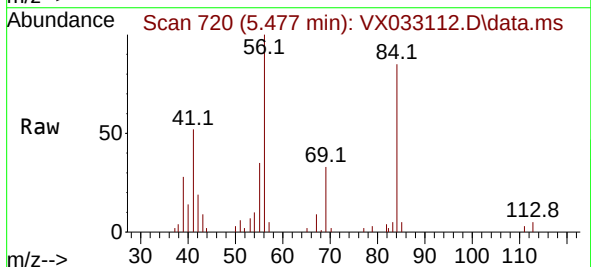
Instrument :
MSVOA_X
ClientSampleId :
MW-34

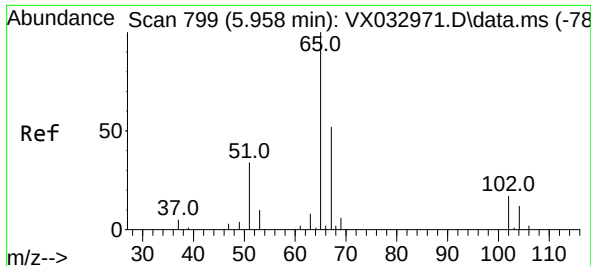
Tgt Ion:	45	Resp:	16052
Ion	Ratio	Lower	Upper
45	100		
43	56.0	56.4	84.6#
87	29.4	24.4	36.6
59	12.5	9.5	14.3



#31
Cyclohexane
Concen: 5.196 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.007 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion:	56	Resp:	10569
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.1	36.1
84	84.8	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 55.259 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033112.D

Acq: 29 Nov 2022 13:01

Instrument :

MSVOA_X

ClientSampleId :

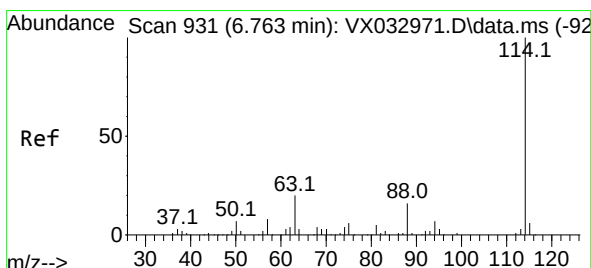
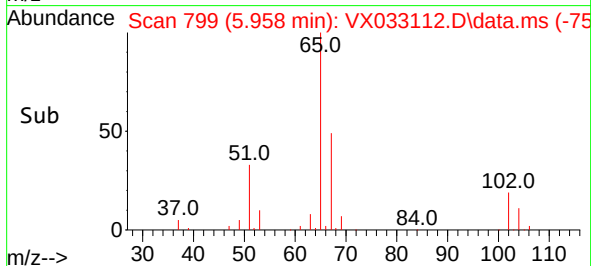
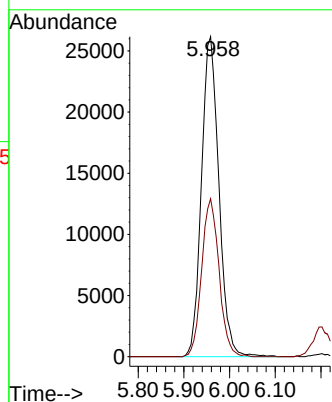
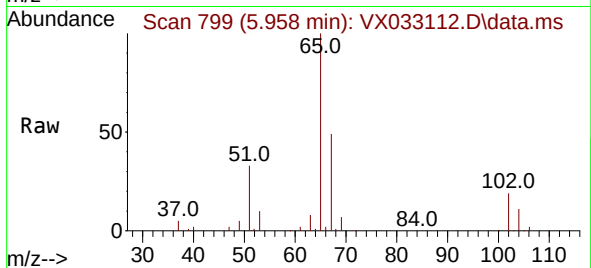
MW-34

Tgt Ion: 65 Resp: 69189

Ion Ratio Lower Upper

65 100

67 49.3 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: VX033112.D

Acq: 29 Nov 2022 13:01

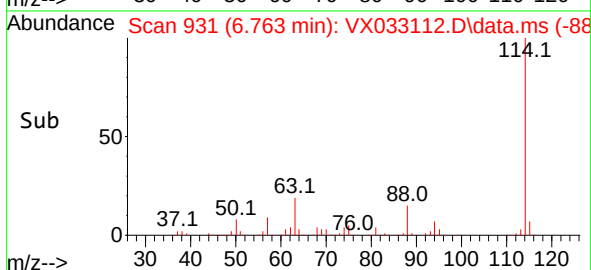
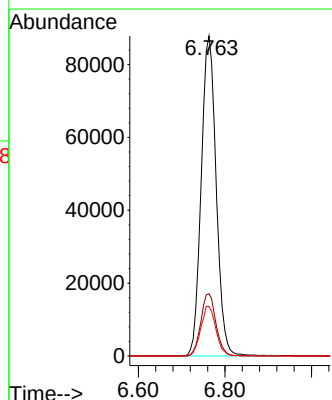
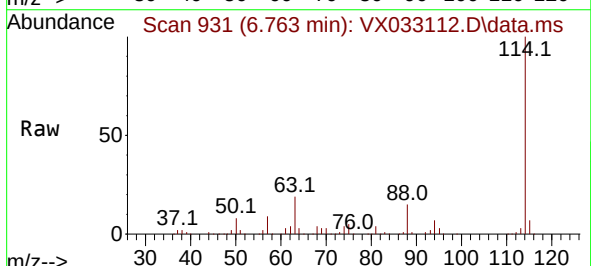
Tgt Ion: 114 Resp: 210697

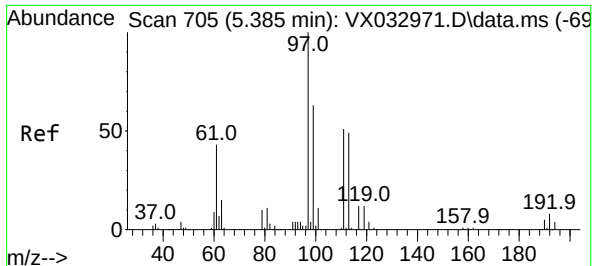
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.6

88 15.5 0.0 33.4

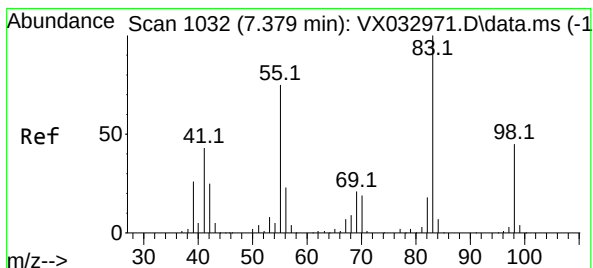
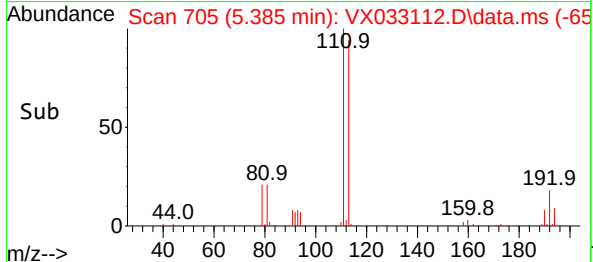
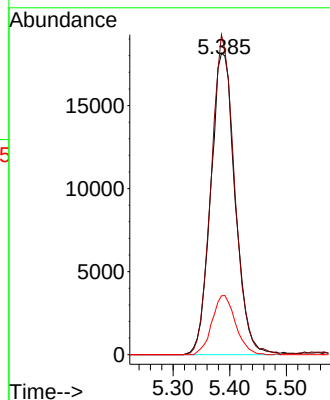
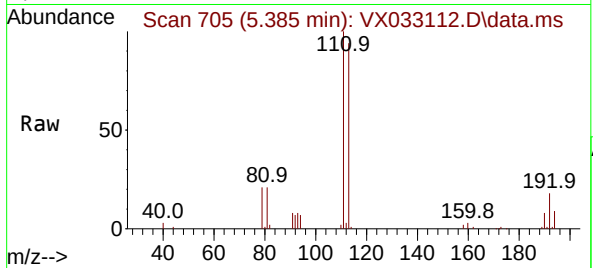




#35
Dibromofluoromethane
Concen: 45.576 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

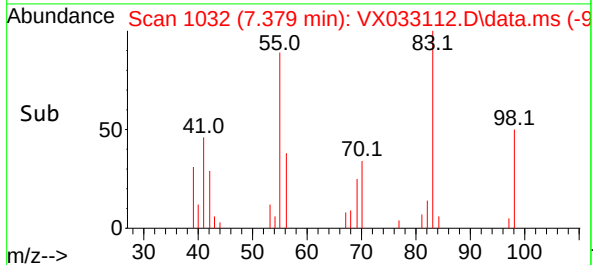
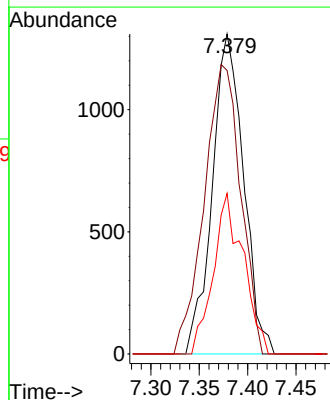
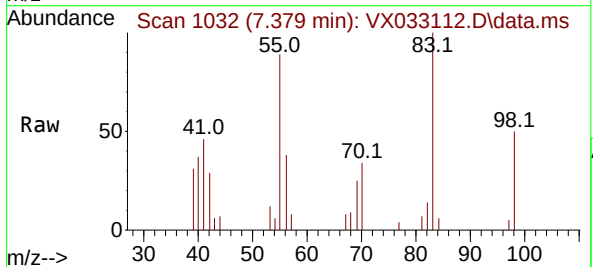
Instrument :
MSVOA_X
ClientSampleId :
MW-34

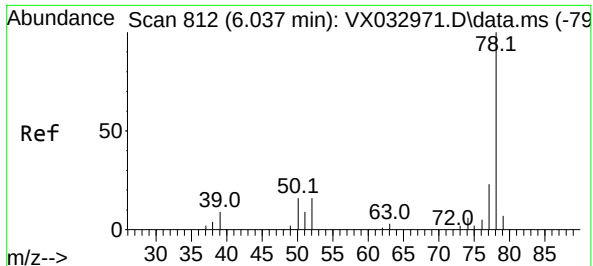
Tgt Ion:113 Resp: 54137
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 18.9 15.4 23.2



#39
Methylcyclohexane
Concen: 1.361 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion: 83 Resp: 2950
Ion Ratio Lower Upper
83 100
55 88.6 58.4 87.6#
98 50.2 37.2 55.8

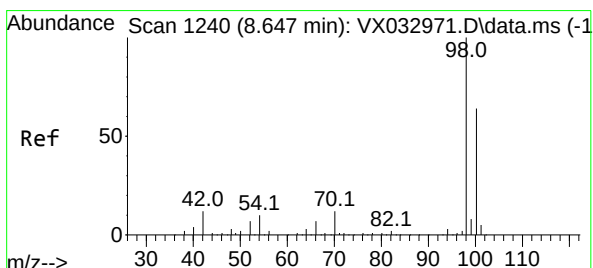
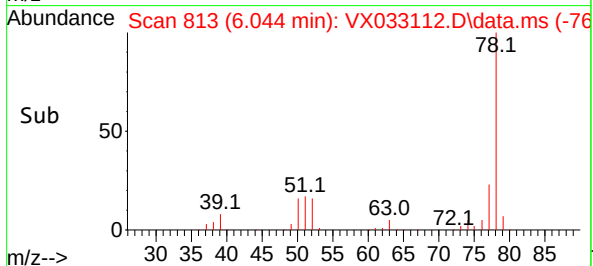
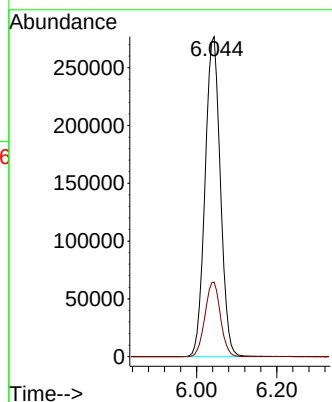
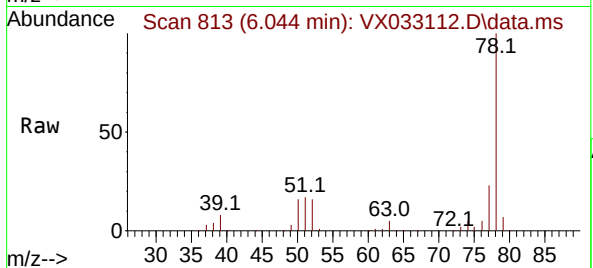




#40
Benzene
Concen: 137.704 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

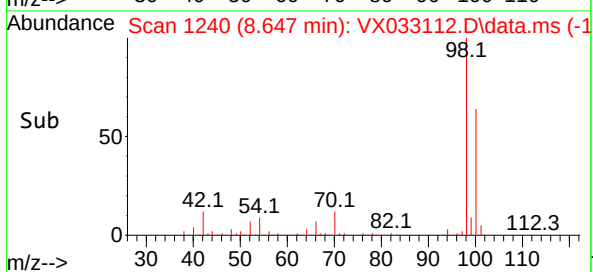
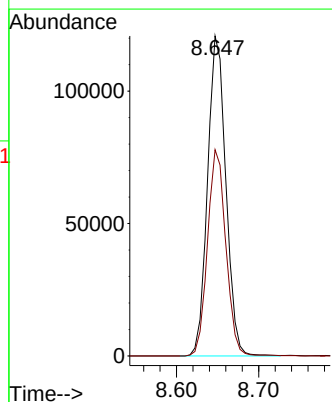
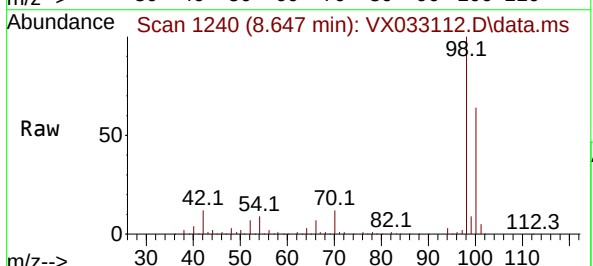
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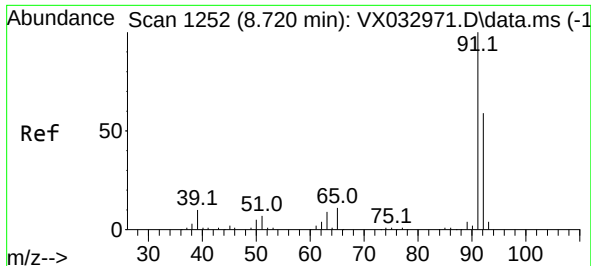
Tgt Ion: 78 Resp: 733301
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4



#50
Toluene-d8
Concen: 52.332 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion: 98 Resp: 186673
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3

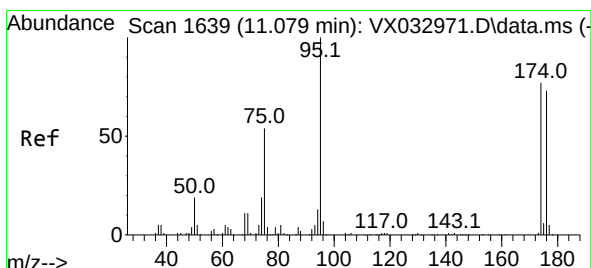
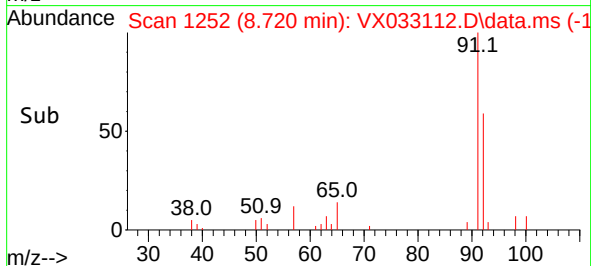
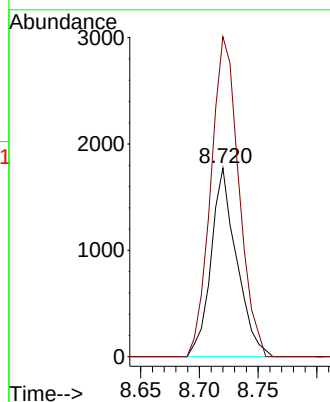
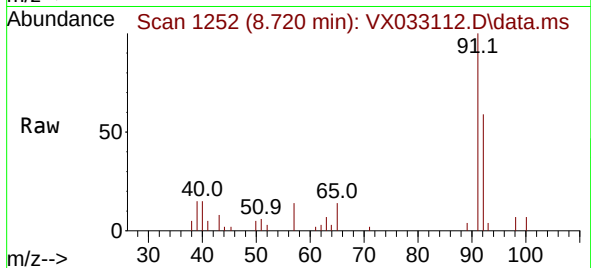




#52
Toluene
Concen: 0.767 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

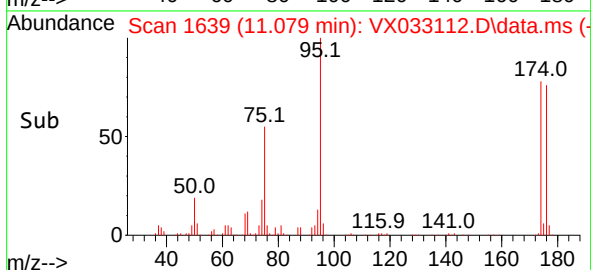
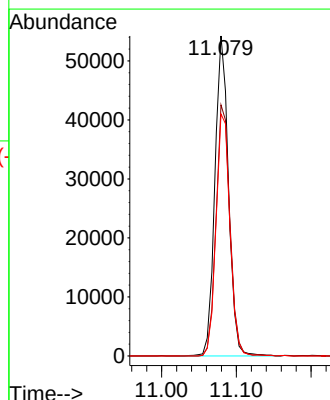
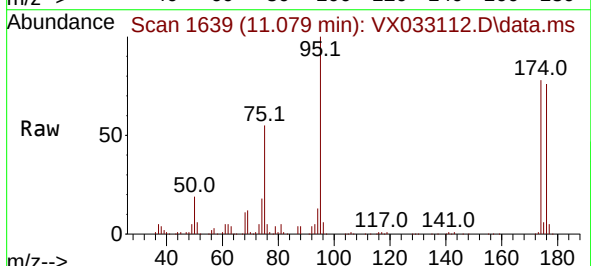
Instrument :
MSVOA_X
ClientSampleId :
MW-34

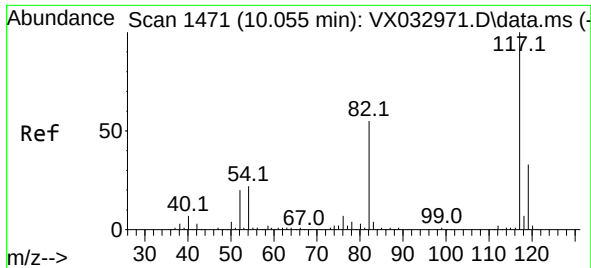
Tgt Ion: 92 Resp: 2687
Ion Ratio Lower Upper
92 100
91 185.8 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 43.974 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion: 95 Resp: 68615
Ion Ratio Lower Upper
95 100
174 80.5 0.0 164.0
176 77.7 0.0 154.4

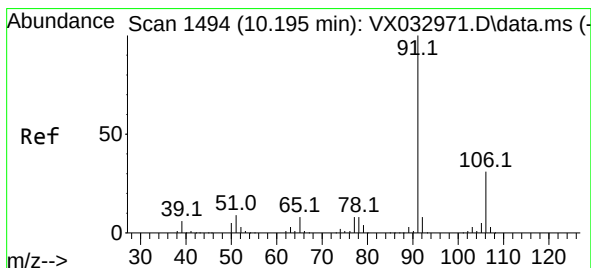
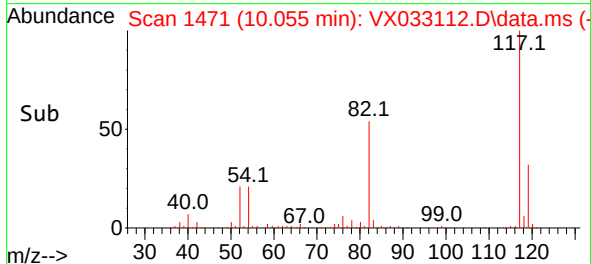
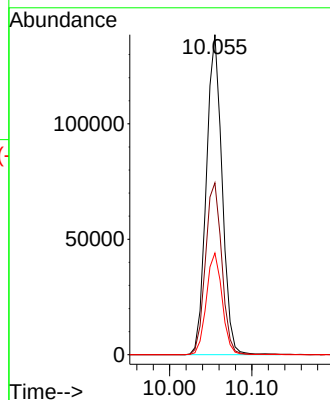
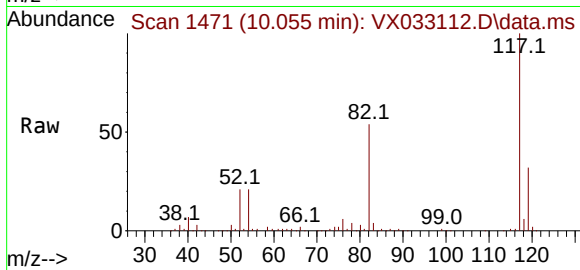




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

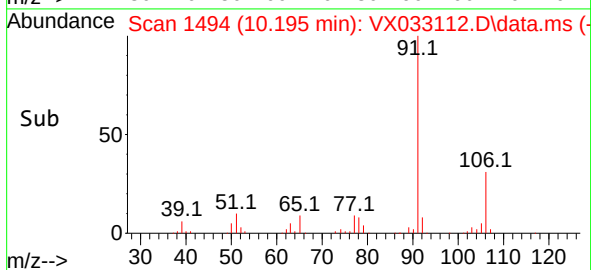
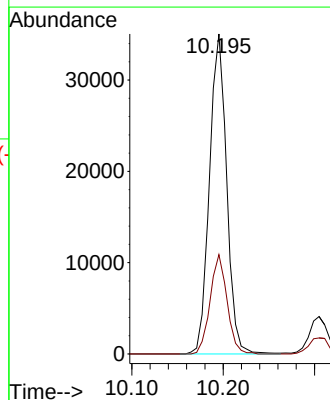
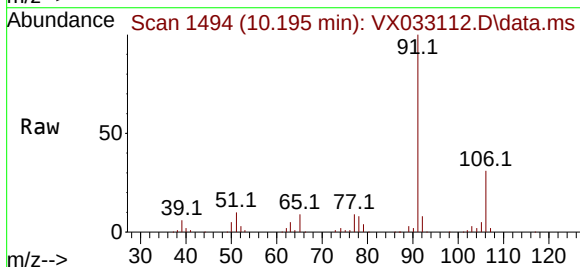
Instrument :
MSVOA_X
ClientSampleId :
MW-34

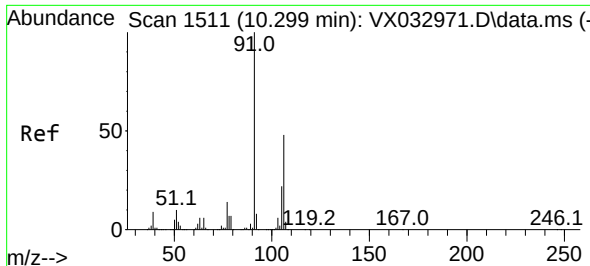
Tgt Ion:117 Resp: 184517
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 31.8 25.7 38.5



#67
Ethyl Benzene
Concen: 7.005 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion: 91 Resp: 45714
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

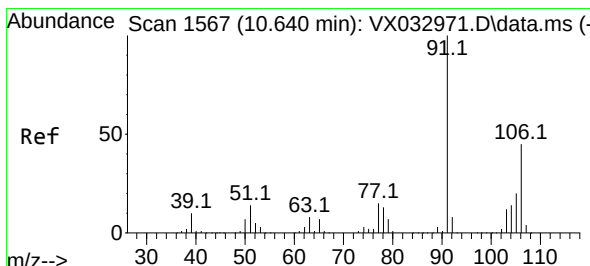
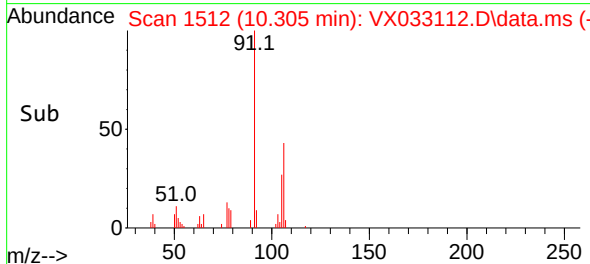
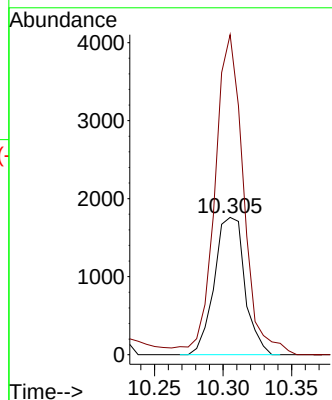
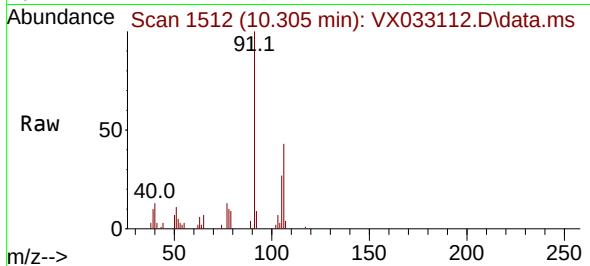




#68
m/p-Xylenes
Concen: 1.065 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

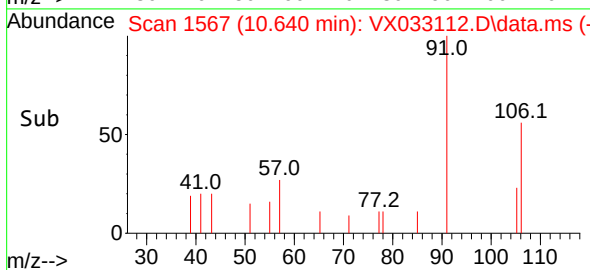
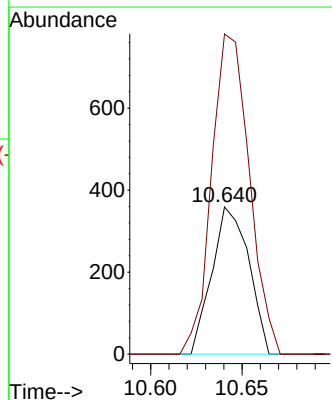
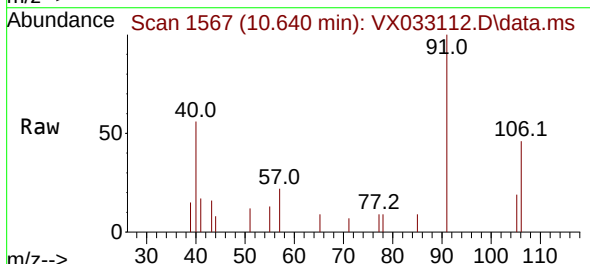
Instrument :
MSVOA_X
ClientSampleId :
MW-34

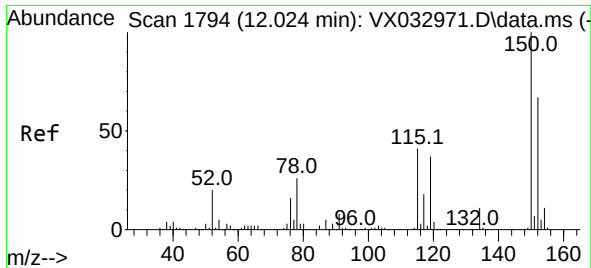
Tgt Ion:106 Resp: 2722
Ion Ratio Lower Upper
106 100
91 218.9 164.5 246.7



#69
o-Xylene
Concen: 0.204 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion:106 Resp: 504
Ion Ratio Lower Upper
106 100
91 222.6 109.2 327.6

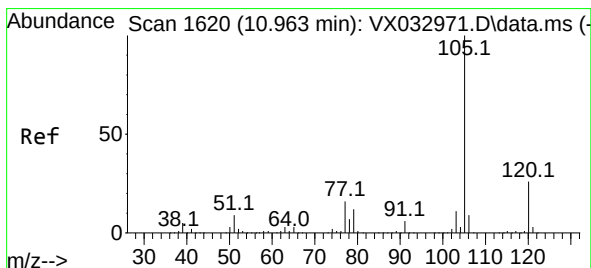
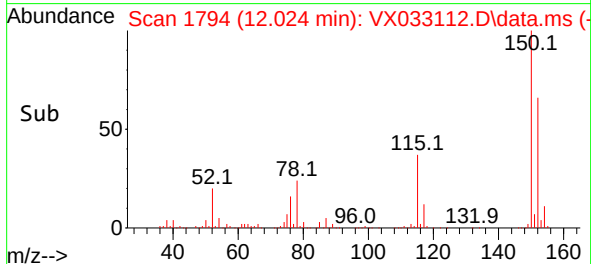
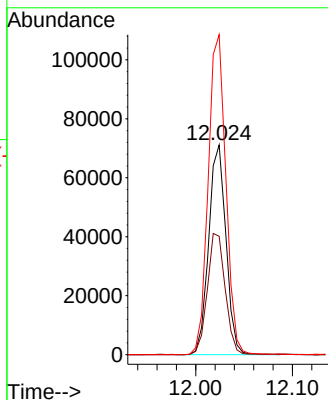
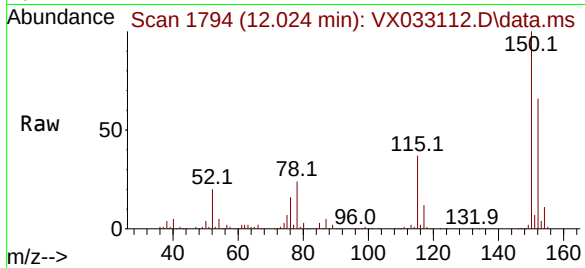




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033112.D
 Acq: 29 Nov 2022 13:01

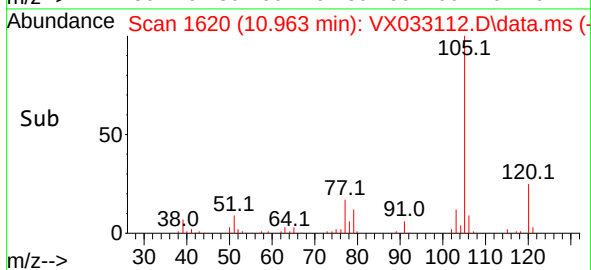
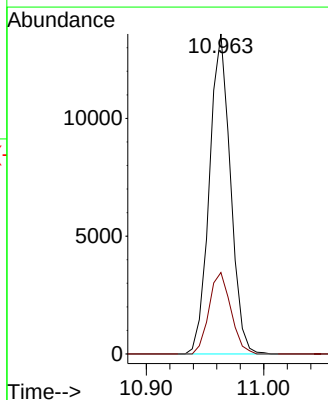
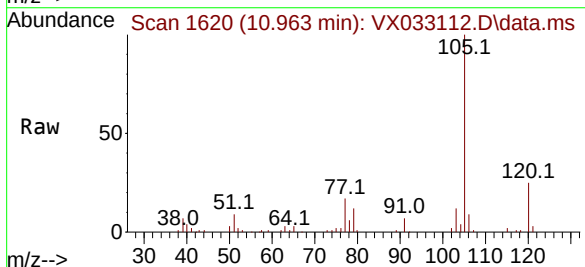
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-34

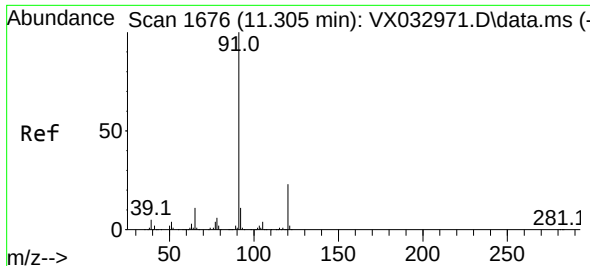
Tgt Ion:152 Resp: 88516
 Ion Ratio Lower Upper
 152 100
 115 59.9 44.0 132.0
 150 155.9 0.0 351.8



#73
 Isopropylbenzene
 Concen: 2.672 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX033112.D
 Acq: 29 Nov 2022 13:01

Tgt Ion:105 Resp: 16898
 Ion Ratio Lower Upper
 105 100
 120 26.4 13.1 39.3

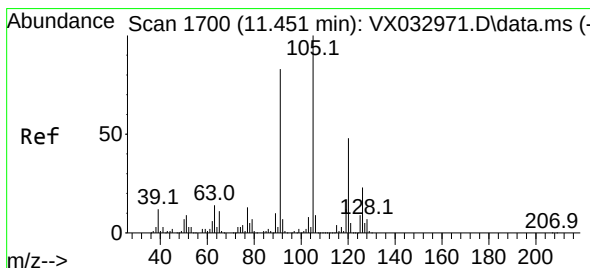
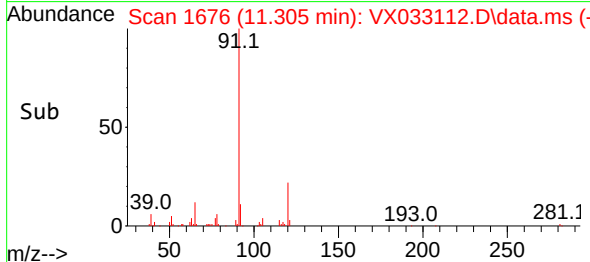
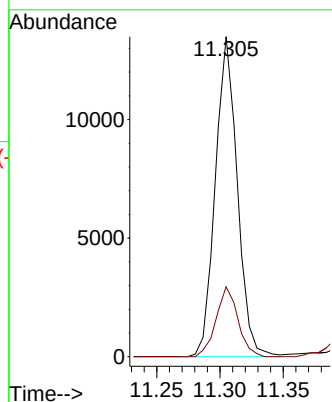
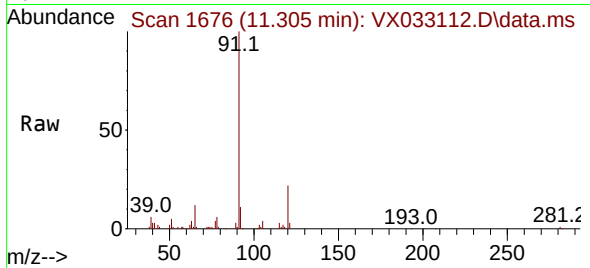




#78
n-propylbenzene
Concen: 2.250 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

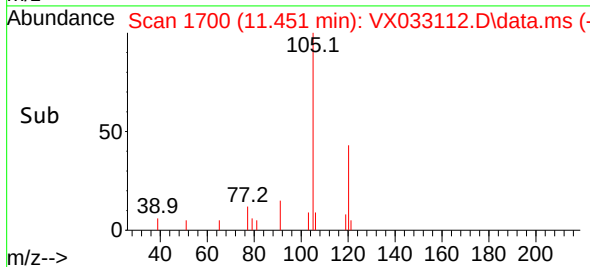
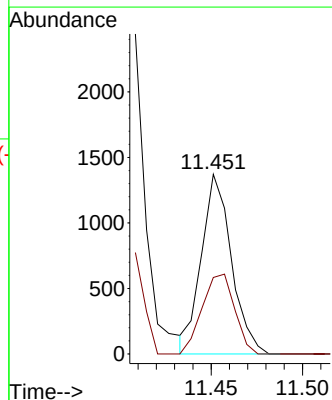
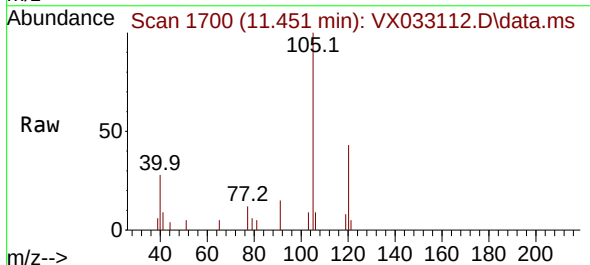
Instrument :
MSVOA_X
ClientSampleId :
MW-34

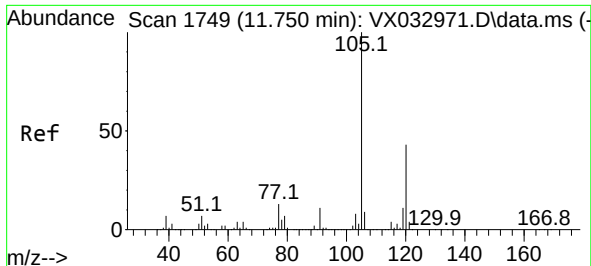
Tgt Ion: 91 Resp: 16269
Ion Ratio Lower Upper
91 100
120 21.7 11.6 34.8



#80
1,3,5-Trimethylbenzene
Concen: 0.295 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion: 105 Resp: 1568
Ion Ratio Lower Upper
105 100
120 48.2 23.6 71.0

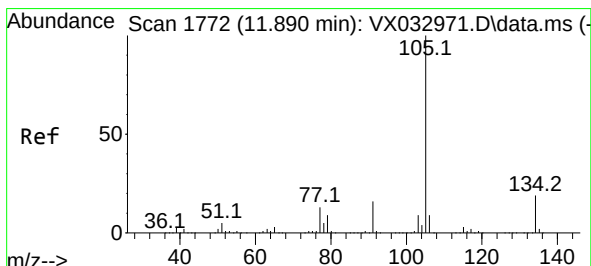
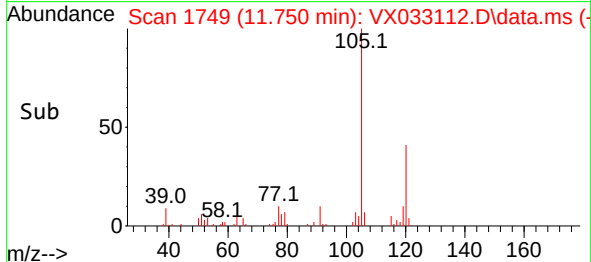
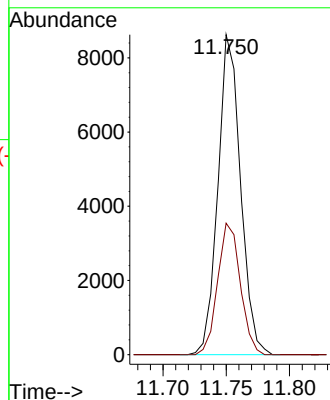
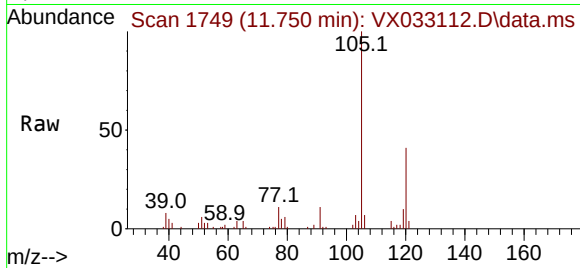




#84
1,2,4-Trimethylbenzene
Concen: 2.019 ug/l
RT: 11.750 min Scan# 11749
Delta R.T. -0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

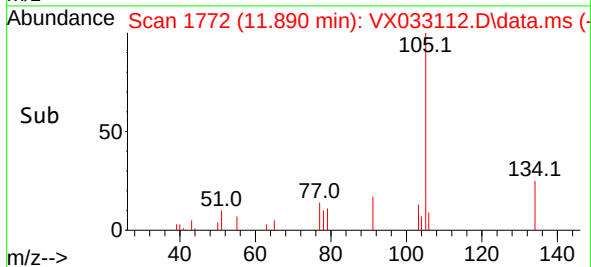
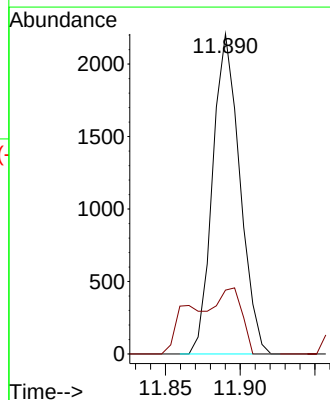
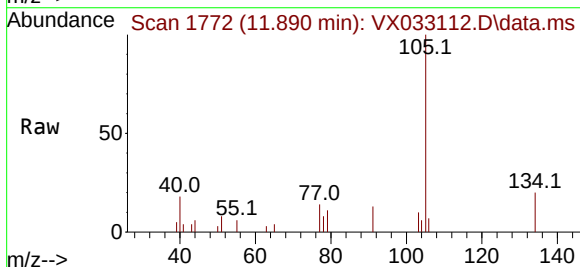
Instrument :
MSVOA_X
ClientSampleId :
MW-34

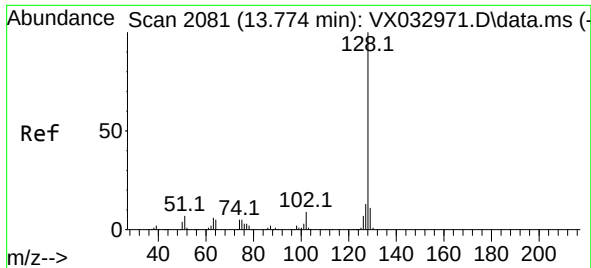
Tgt Ion:105 Resp: 10697
Ion Ratio Lower Upper
105 100
120 41.2 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.441 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033112.D
Acq: 29 Nov 2022 13:01

Tgt Ion:105 Resp: 2791
Ion Ratio Lower Upper
105 100
134 19.4 9.9 29.7





#95

Naphthalene

Concen: 2.867 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX033112.D

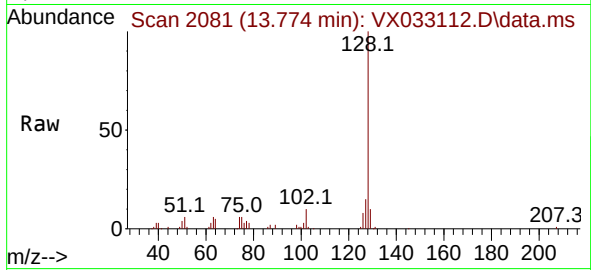
Acq: 29 Nov 2022 13:01

Instrument :

MSVOA_X

ClientSampleId :

MW-34



Tgt Ion:128 Resp: 16228

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 12.0 8.9 13.3

