

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033239.D
 Acq On : 05 Dec 2022 20:27
 Operator : JC/MD
 Sample : N5875-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-39

Quant Time: Dec 06 06:01:56 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)

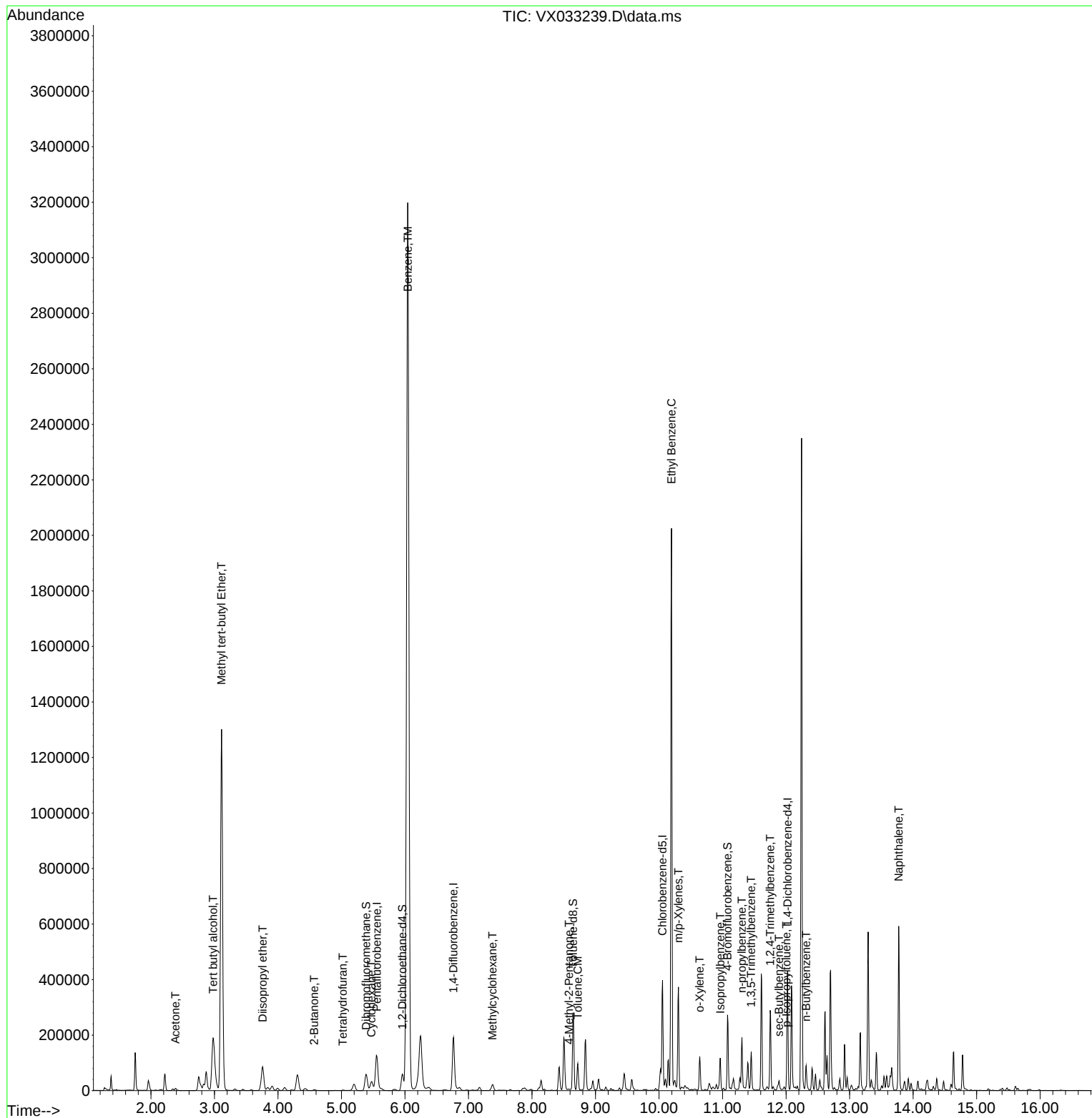
Internal Standards						
1) Pentafluorobenzene	5.556	168	120614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	199183	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61620	52.436	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.880%			
35) Dibromofluoromethane	5.385	113	51088	45.496	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.000%			
50) Toluene-d8	8.647	98	170317	50.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.860%			
62) 4-Bromofluorobenzene	11.079	95	69729	47.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.540%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	342366	1838.729	ug/l	100
16) Acetone	2.386	43	9605	17.509	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	1424198	390.153	ug/l	99
22) Diisopropyl ether	3.757	45	85113	23.002	ug/l #	84
25) 2-Butanone	4.568	43	6027	7.968	ug/l	93
29) Tetrahydrofuran	5.019	42	1780	3.708	ug/l	96
31) Cyclohexane	5.470	56	22574	11.861	ug/l	99
39) Methylcyclohexane	7.379	83	9320	4.549	ug/l	97
40) Benzene	6.043	78	3824676	759.742	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	1780	1.113	ug/l #	79
52) Toluene	8.720	92	36616	11.056	ug/l	99
67) Ethyl Benzene	10.195	91	1129483	181.304	ug/l	98
68) m/p-Xylenes	10.305	106	82948	34.002	ug/l	98
69) o-Xylene	10.640	106	22298	9.447	ug/l	99
73) Isopropylbenzene	10.963	105	57450	8.887	ug/l	99
78) n-propylbenzene	11.305	91	101361	13.714	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	55947	10.302	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	129311	23.881	ug/l	99
85) sec-Butylbenzene	11.890	105	8917	1.379	ug/l	97
86) p-Isopropyltoluene	12.006	119	3412	0.623	ug/l #	74
89) n-Butylbenzene	12.317	91	12197	2.584	ug/l #	23
95) Naphthalene	13.774	128	364644	63.038	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
Data File : VX033239.D
Acq On : 05 Dec 2022 20:27
Operator : JC/MD
Sample : N5875-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-39

Quant Time: Dec 06 06:01:56 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

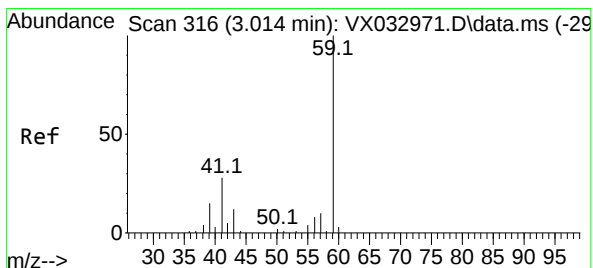
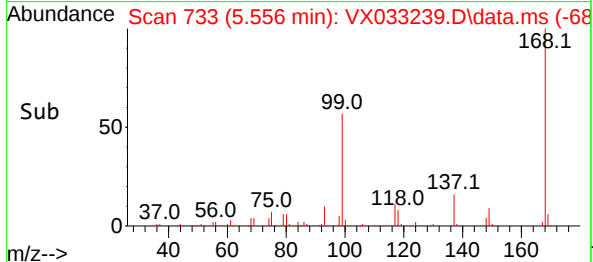
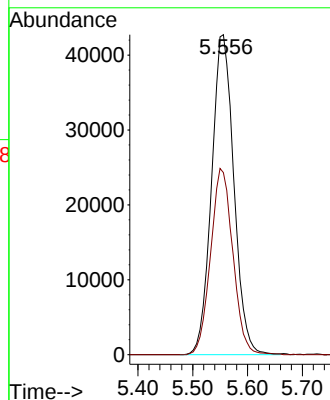
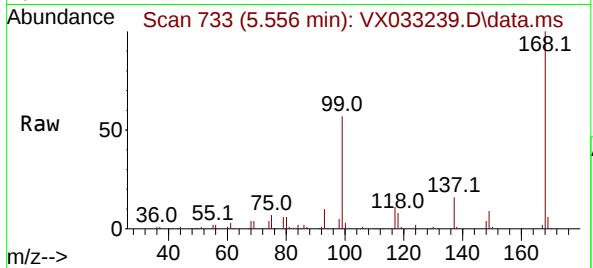




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

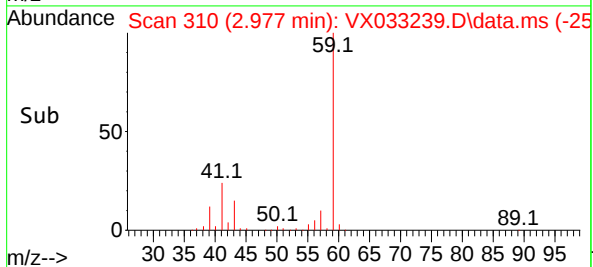
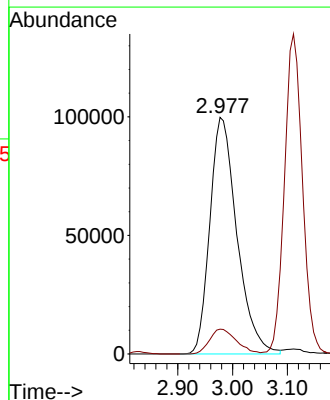
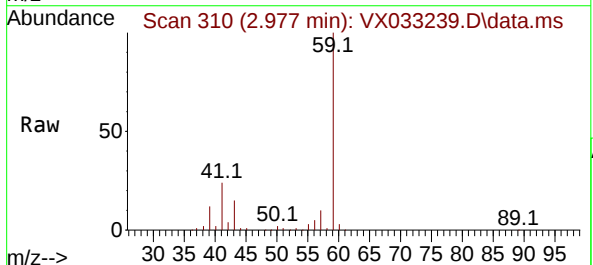
Instrument :
MSVOA_X
ClientSampleId :
MW-39

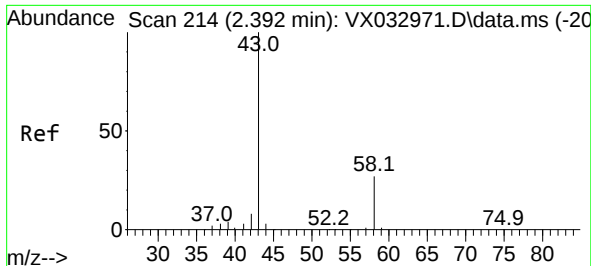
Tgt Ion:168 Resp: 120614
Ion Ratio Lower Upper
168 100
99 56.9 46.1 69.1



#11
Tert butyl alcohol
Concen: 1838.729 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.012 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

Tgt Ion: 59 Resp: 342366
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

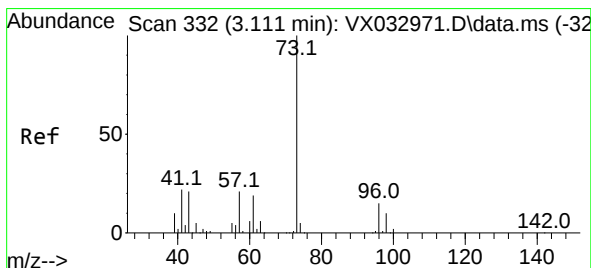
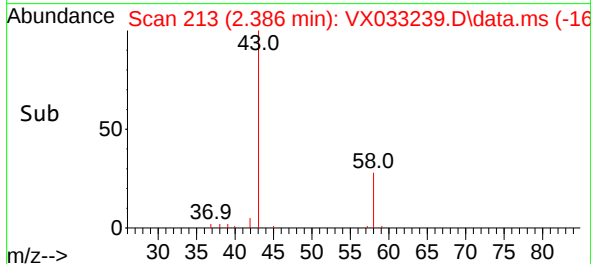
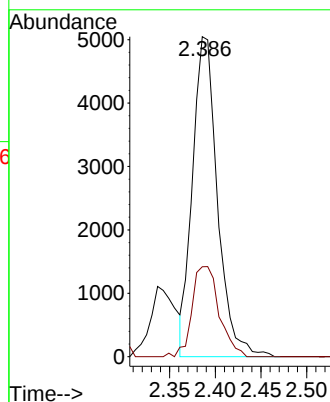
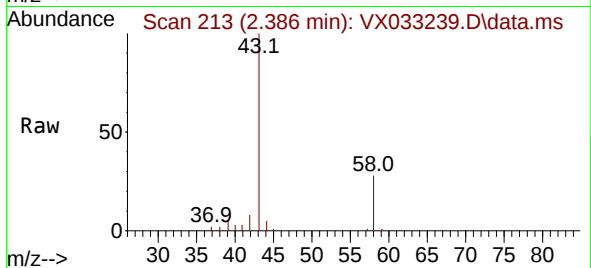




#16
Acetone
Concen: 17.509 ug/l
RT: 2.386 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

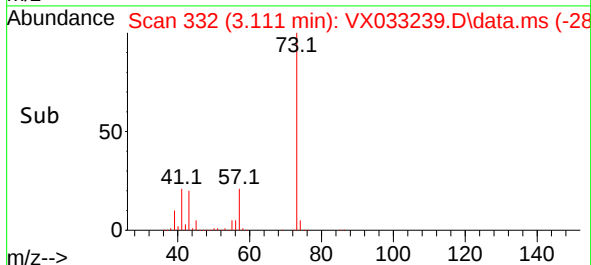
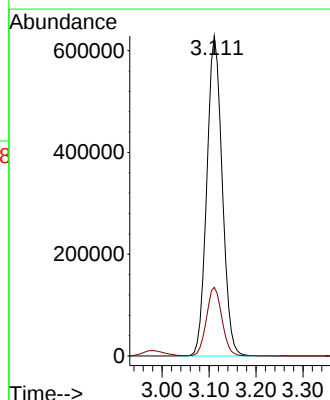
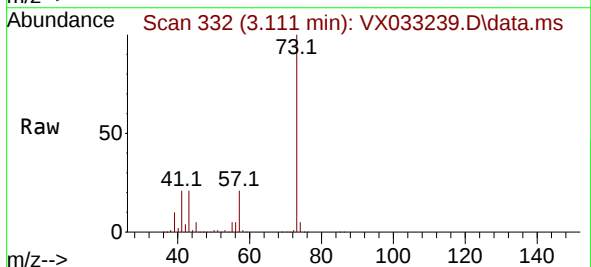
Instrument :
MSVOA_X
ClientSampleId :
MW-39

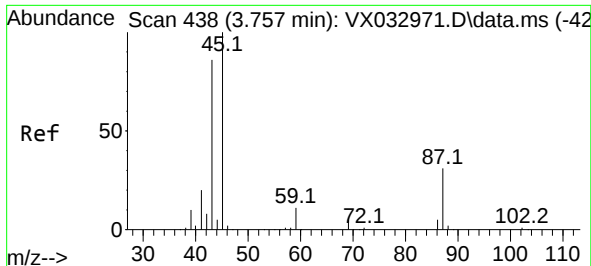
Tgt Ion: 43 Resp: 9605
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.8



#19
Methyl tert-butyl Ether
Concen: 390.153 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

Tgt Ion: 73 Resp: 1424198
Ion Ratio Lower Upper
73 100
57 21.5 16.6 25.0

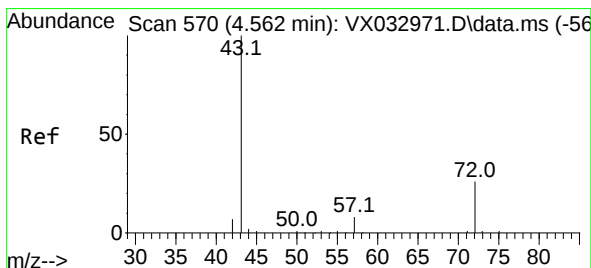
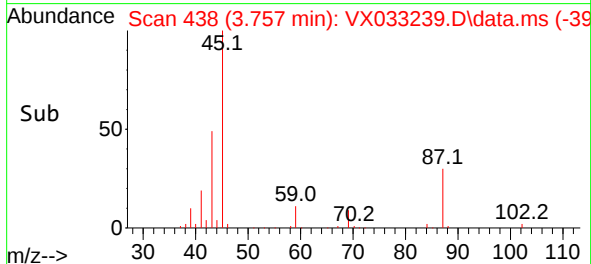
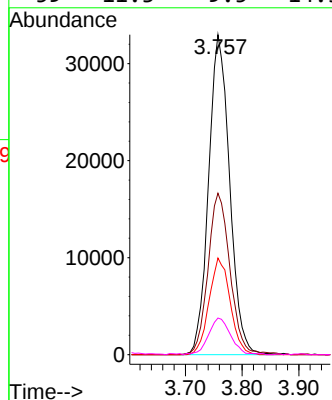
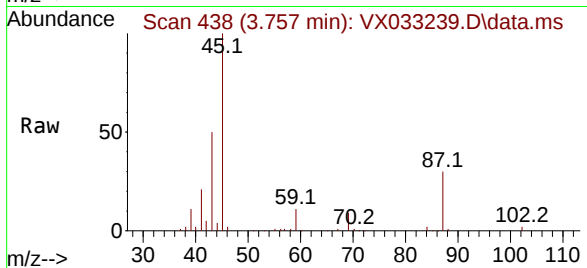




#22
Diisopropyl ether
Concen: 23.002 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

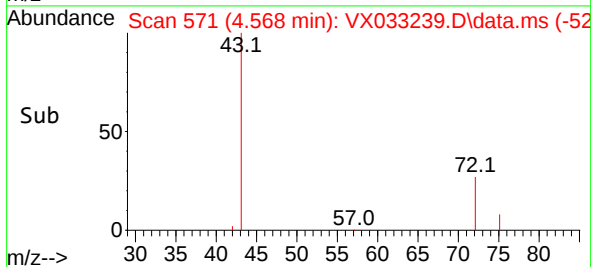
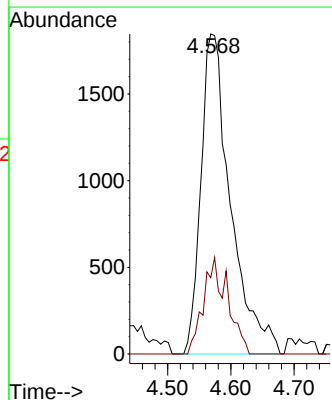
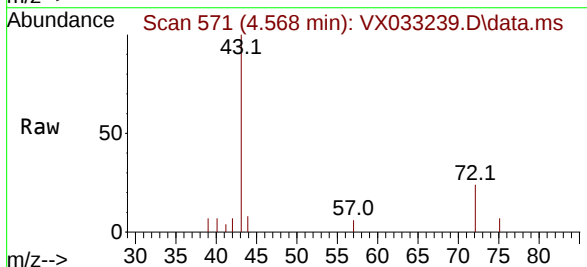
Instrument :
MSVOA_X
ClientSampleId :
MW-39

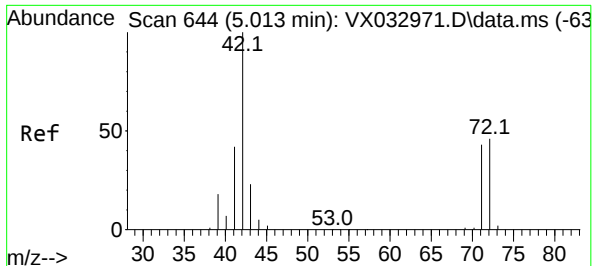
Tgt Ion:	45	Resp:	85113
Ion	Ratio	Lower	Upper
45	100		
43	50.4	56.4	84.6#
87	30.2	24.4	36.6
59	11.3	9.5	14.3



#25
2-Butanone
Concen: 7.968 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

Tgt Ion:	43	Resp:	6027
Ion	Ratio	Lower	Upper
43	100		
72	23.8	22.2	33.2





#29

Tetrahydrofuran

Concen: 3.708 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX033239.D

Acq: 05 Dec 2022 20:27

Instrument :

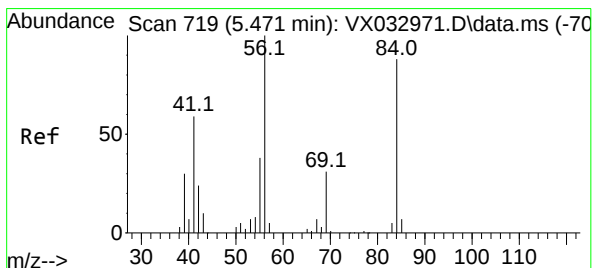
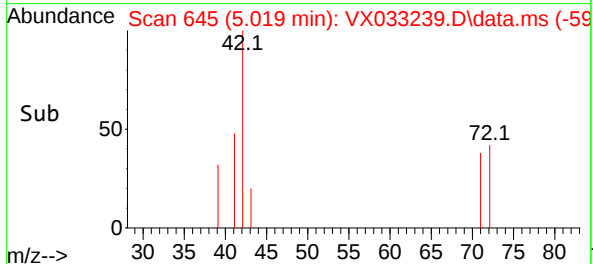
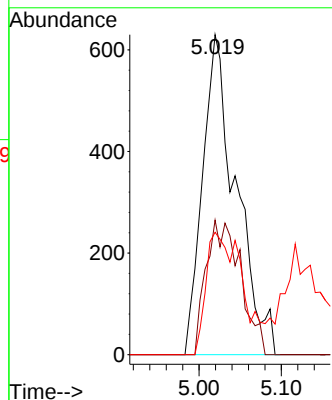
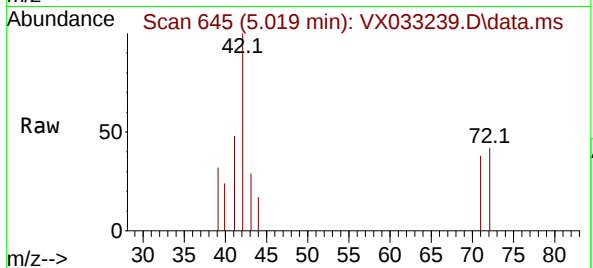
MSVOA_X

ClientSampleId :

MW-39

Tgt Ion: 42 Resp: 1780

Ion	Ratio	Lower	Upper
42	100		
72	43.2	37.6	56.4
71	42.1	34.7	52.1



#31

Cyclohexane

Concen: 11.861 ug/l

RT: 5.470 min Scan# 719

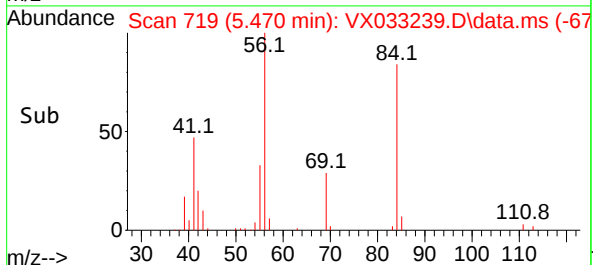
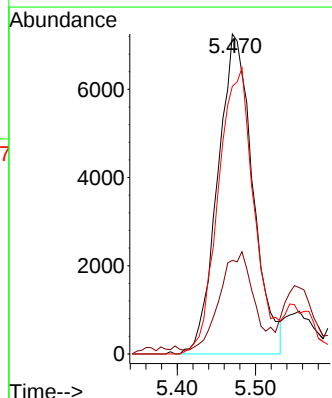
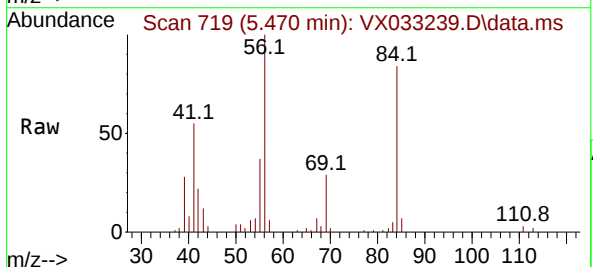
Delta R.T. 0.000 min

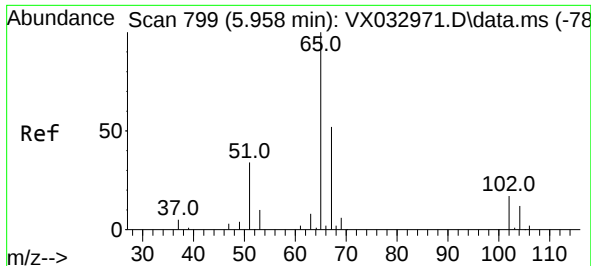
Lab File: VX033239.D

Acq: 05 Dec 2022 20:27

Tgt Ion: 56 Resp: 22574

Ion	Ratio	Lower	Upper
56	100		
69	27.8	24.1	36.1
84	83.6	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 52.436 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033239.D

Acq: 05 Dec 2022 20:27

Instrument :

MSVOA_X

ClientSampleId :

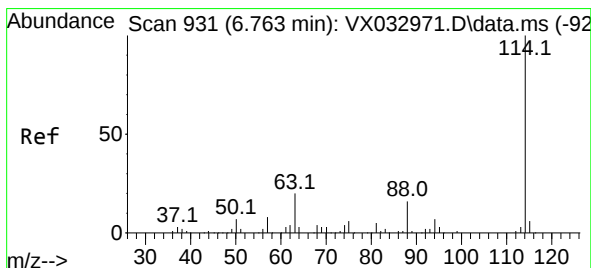
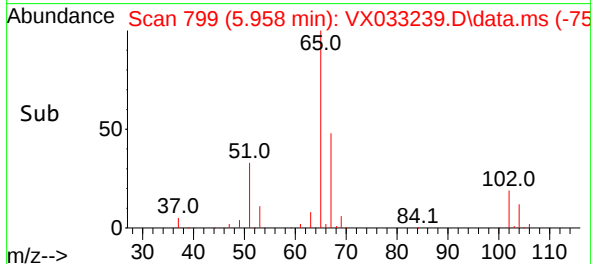
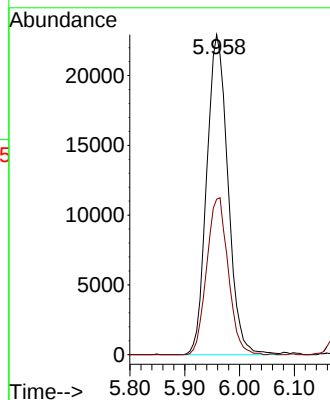
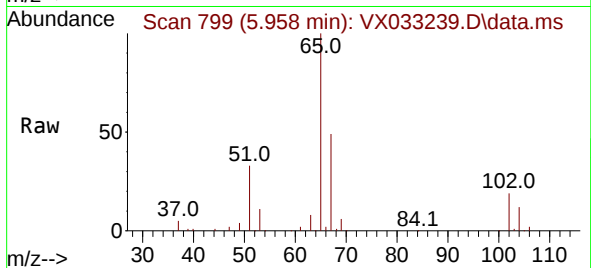
MW-39

Tgt Ion: 65 Resp: 61620

Ion Ratio Lower Upper

65 100

67 49.7 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: VX033239.D

Acq: 05 Dec 2022 20:27

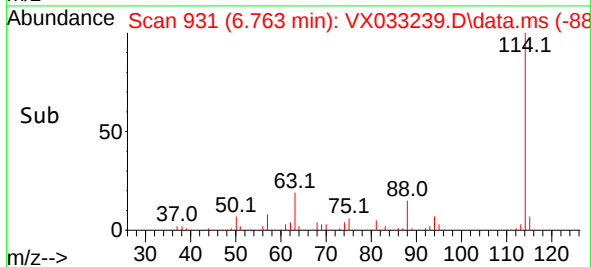
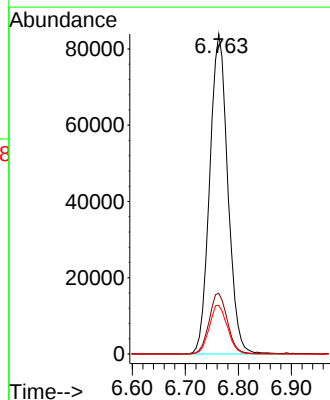
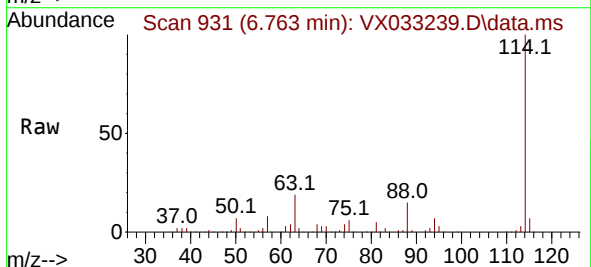
Tgt Ion: 114 Resp: 199183

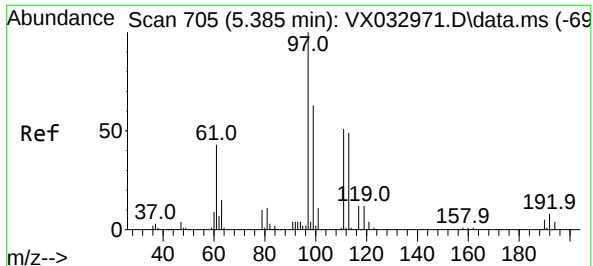
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.6

88 15.2 0.0 33.4

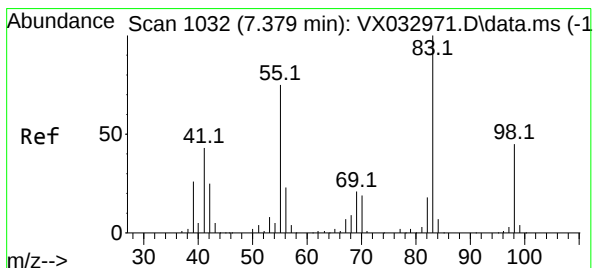
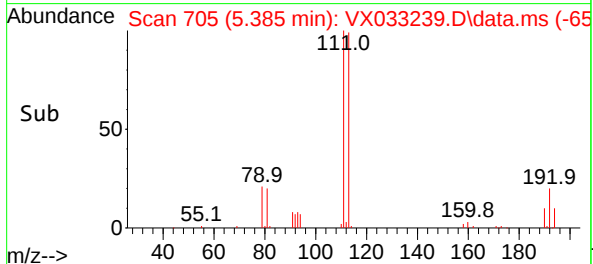
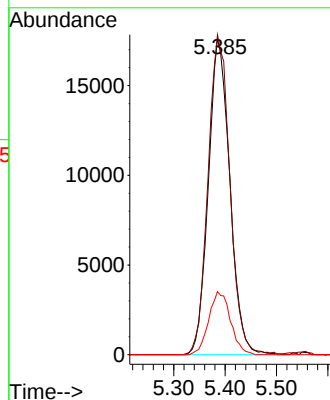
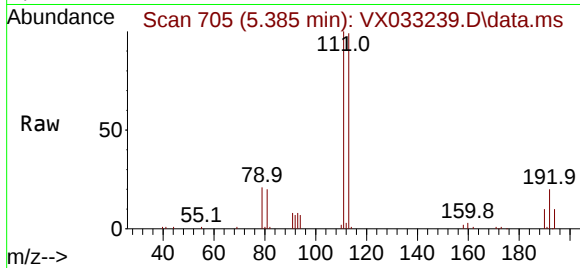




#35
Dibromofluoromethane
Concen: 45.496 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

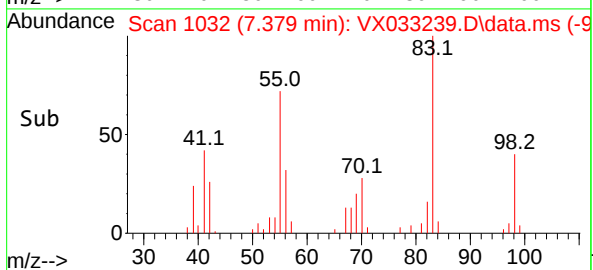
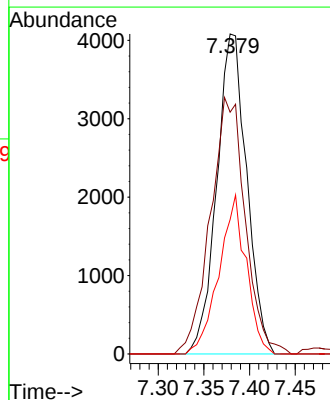
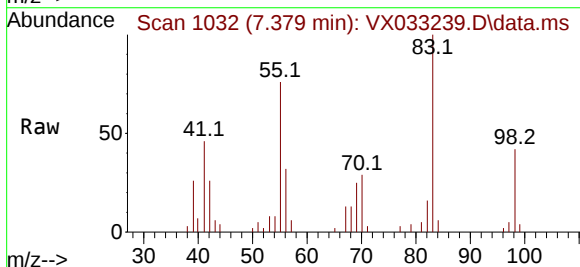
Instrument :
MSVOA_X
ClientSampleId :
MW-39

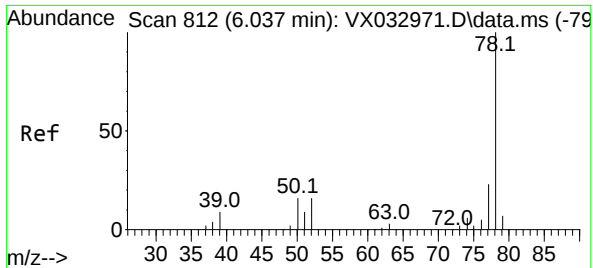
Tgt Ion:113 Resp: 51088
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 20.2 15.4 23.2



#39
Methylcyclohexane
Concen: 4.549 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

Tgt Ion: 83 Resp: 9320
Ion Ratio Lower Upper
83 100
55 73.6 58.4 87.6
98 42.0 37.2 55.8

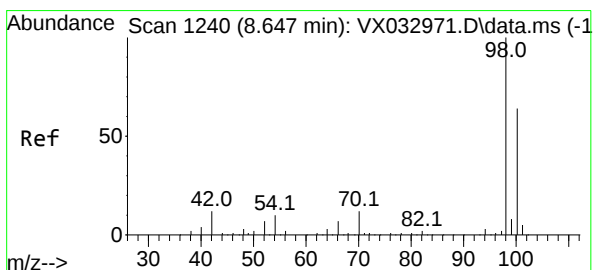
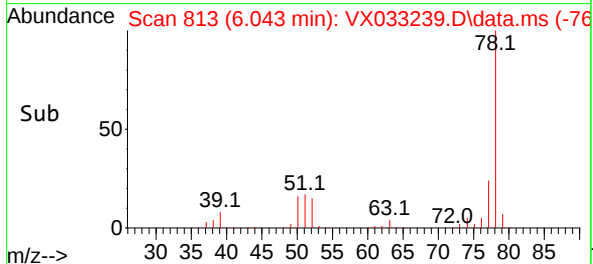
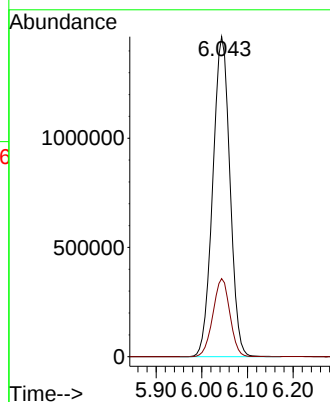
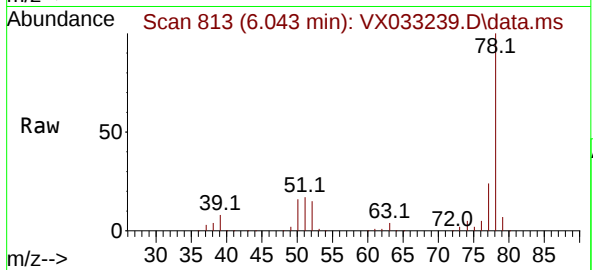




#40
Benzene
Concen: 759.742 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

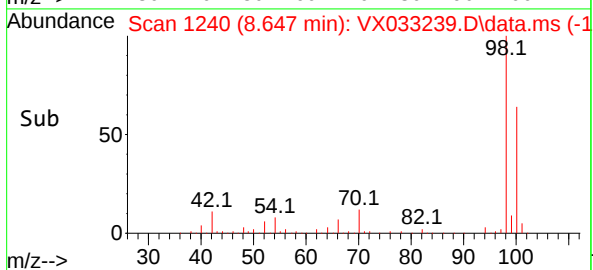
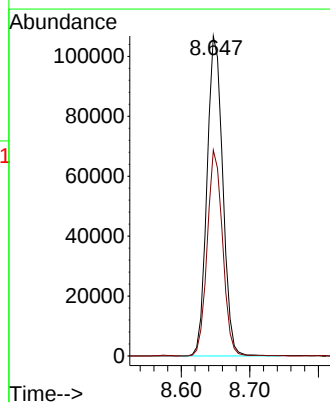
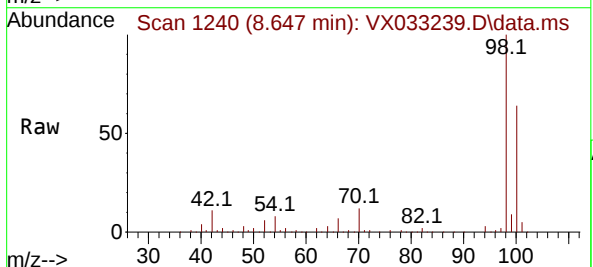
Instrument :
MSVOA_X
ClientSampleId :
MW-39

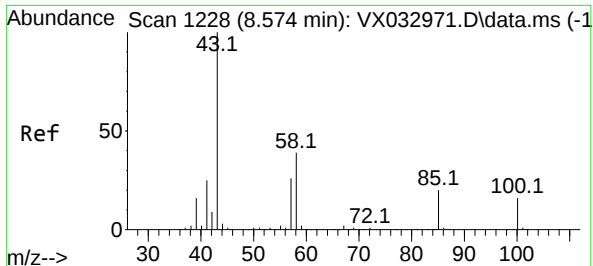
Tgt Ion: 78 Resp: 3824676
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4



#50
Toluene-d8
Concen: 50.428 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

Tgt Ion: 98 Resp: 170317
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3

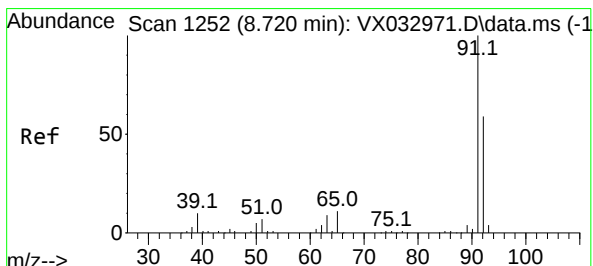
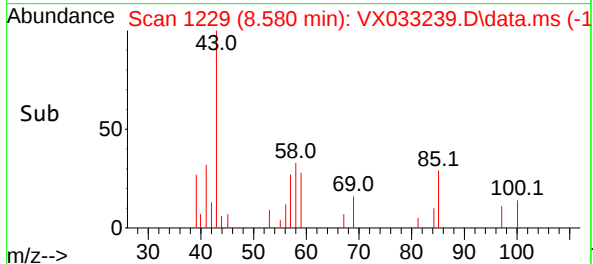
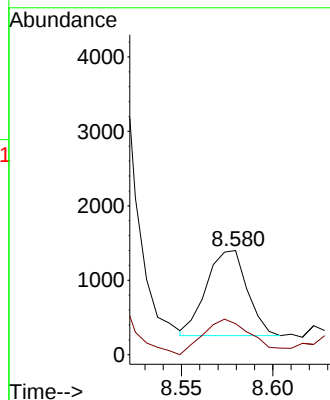
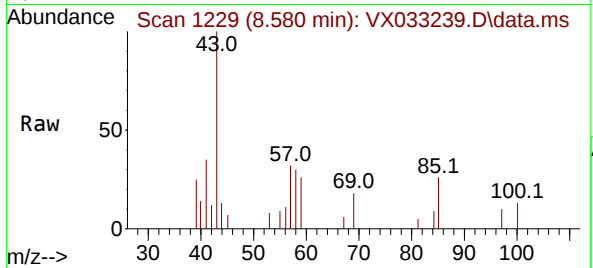




#51
4-Methyl-2-Pentanone
Concen: 1.113 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

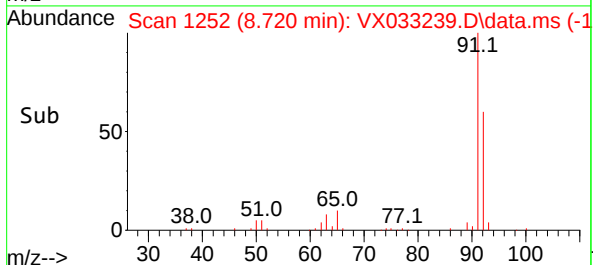
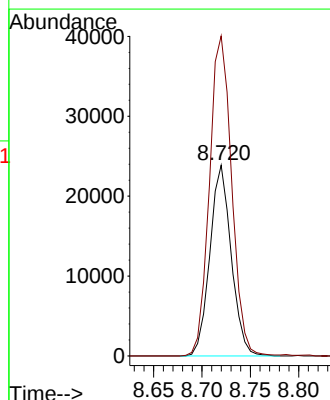
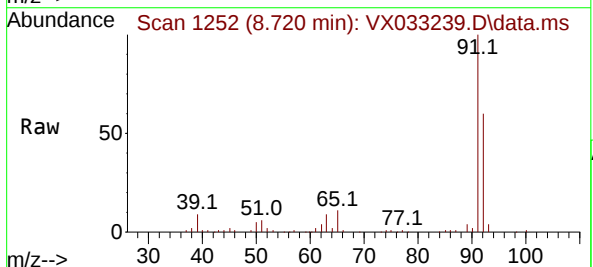
Instrument :
MSVOA_X
ClientSampleId :
MW-39

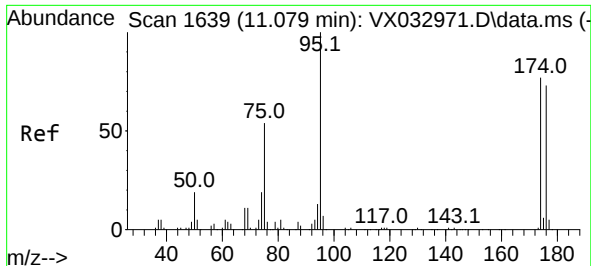
Tgt Ion: 43 Resp: 1780
Ion Ratio Lower Upper
43 100
58 51.5 30.9 46.3#



#52
Toluene
Concen: 11.056 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

Tgt Ion: 92 Resp: 36616
Ion Ratio Lower Upper
92 100
91 174.8 138.3 207.5

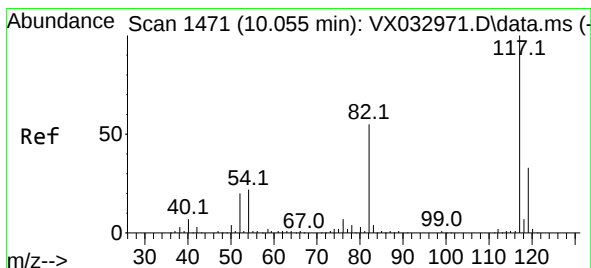
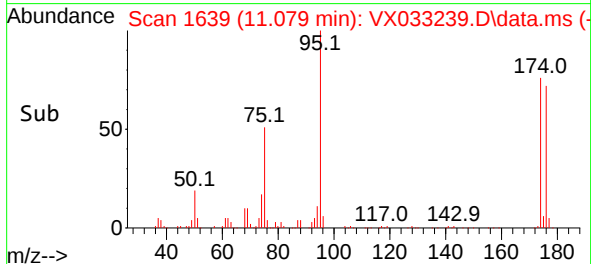
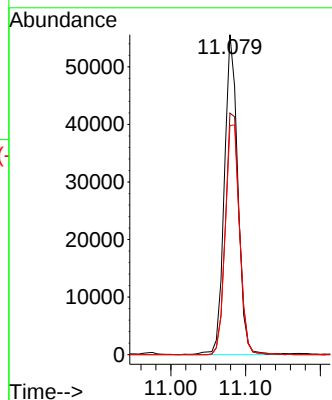
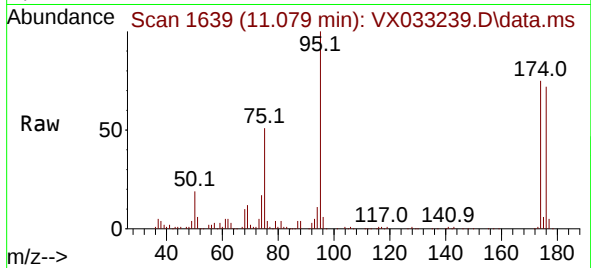




#62
4-Bromofluorobenzene
Concen: 47.272 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

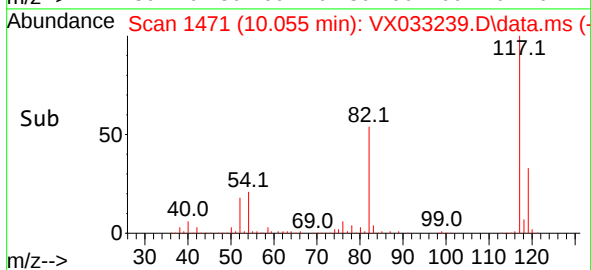
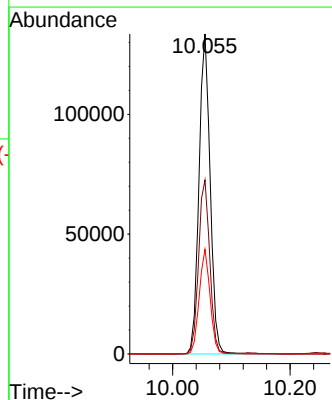
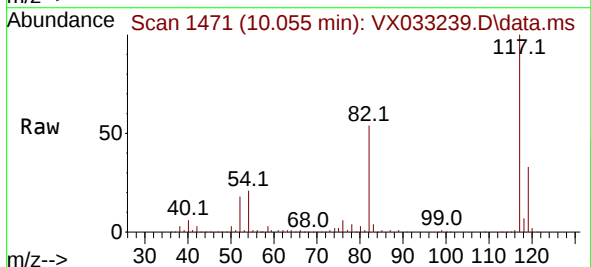
Instrument :
MSVOA_X
ClientSampleId :
MW-39

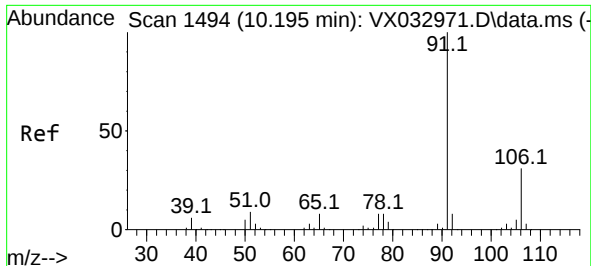
Tgt Ion: 95 Resp: 69729
Ion Ratio Lower Upper
95 100
174 78.6 0.0 164.0
176 76.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

Tgt Ion: 117 Resp: 176149
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 32.7 25.7 38.5

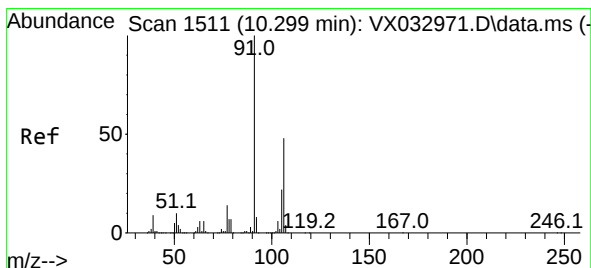
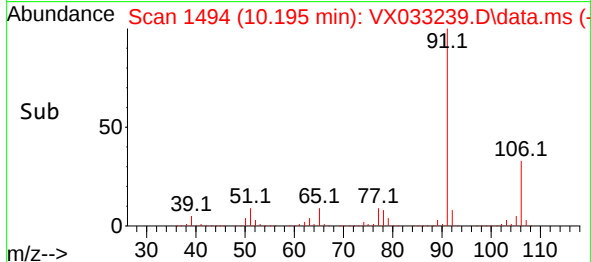
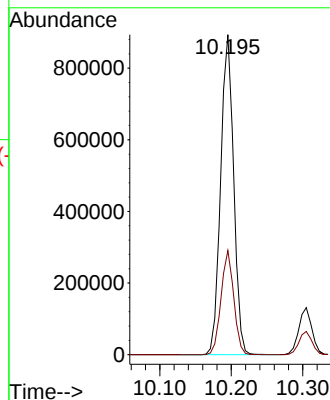
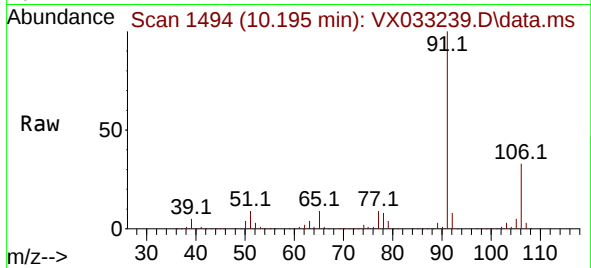




#67
Ethyl Benzene
Concen: 181.304 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

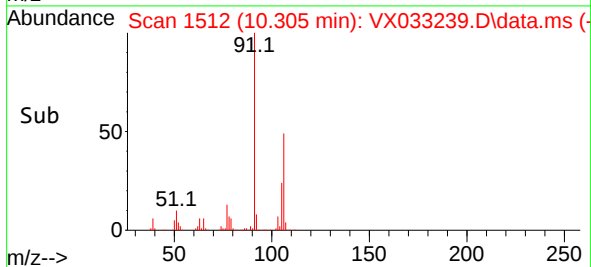
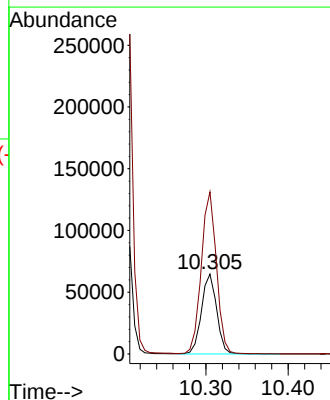
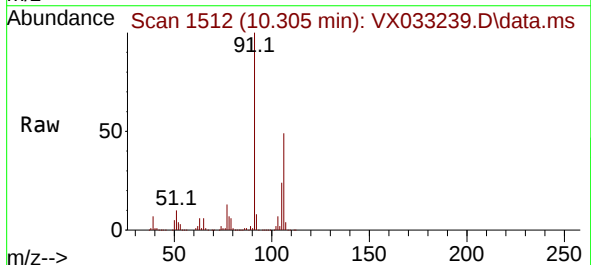
Instrument :
MSVOA_X
ClientSampleId :
MW-39

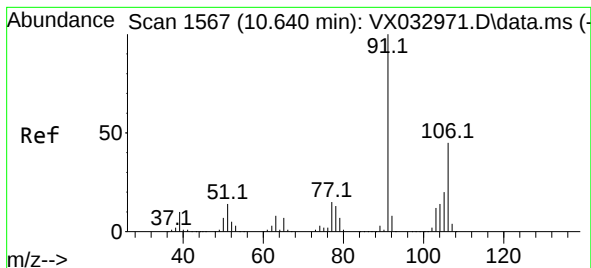
Tgt Ion: 91 Resp: 1129483
Ion Ratio Lower Upper
91 100
106 32.5 25.0 37.6



#68
m/p-Xylenes
Concen: 34.002 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033239.D
Acq: 05 Dec 2022 20:27

Tgt Ion: 106 Resp: 82948
Ion Ratio Lower Upper
106 100
91 202.9 164.5 246.7





#69

o-Xylene

Concen: 9.447 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033239.D

Acq: 05 Dec 2022 20:27

Instrument :

MSVOA_X

ClientSampleId :

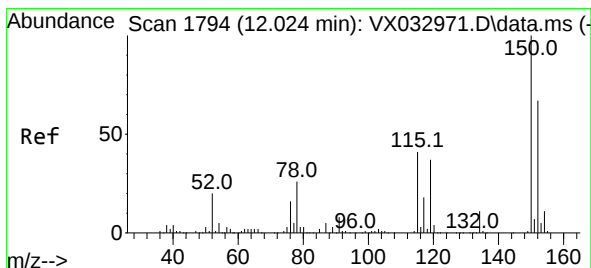
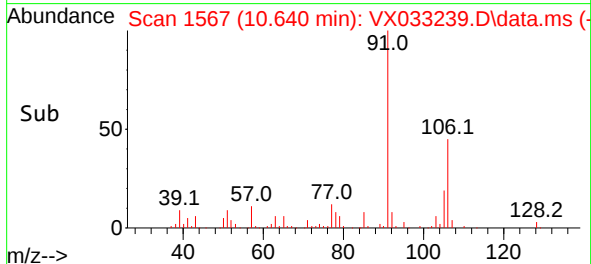
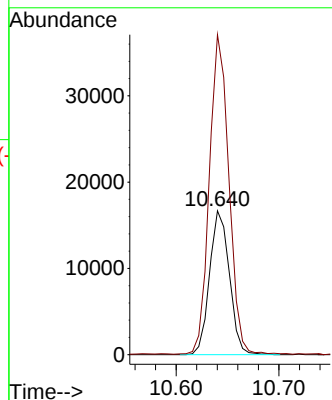
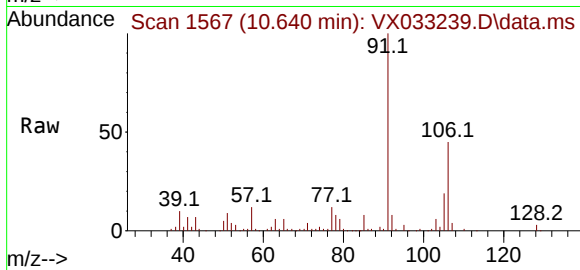
MW-39

Tgt Ion:106 Resp: 22298

Ion Ratio Lower Upper

106 100

91 219.4 109.2 327.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX033239.D

Acq: 05 Dec 2022 20:27

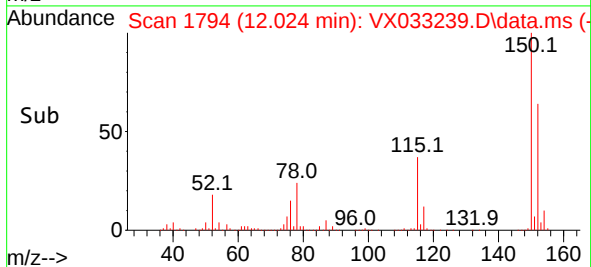
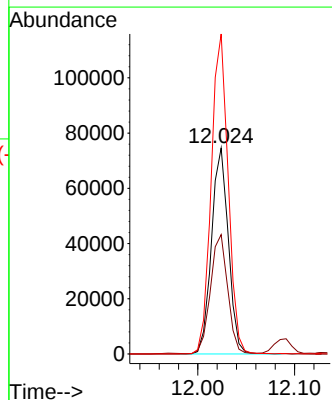
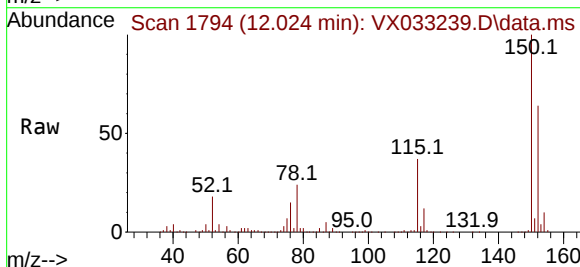
Tgt Ion:152 Resp: 90462

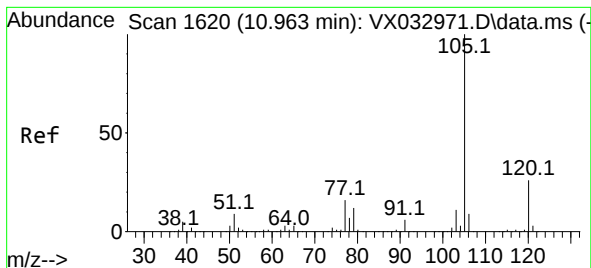
Ion Ratio Lower Upper

152 100

115 59.0 44.0 132.0

150 155.8 0.0 351.8





#73

Isopropylbenzene

Concen: 8.887 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033239.D

Acq: 05 Dec 2022 20:27

Instrument :

MSVOA_X

ClientSampleId :

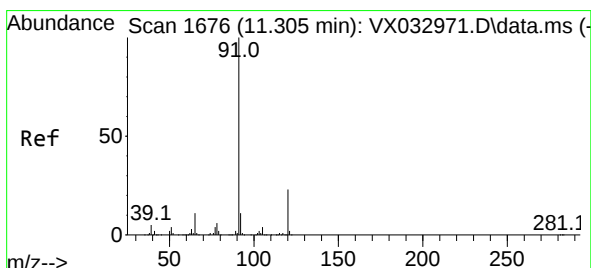
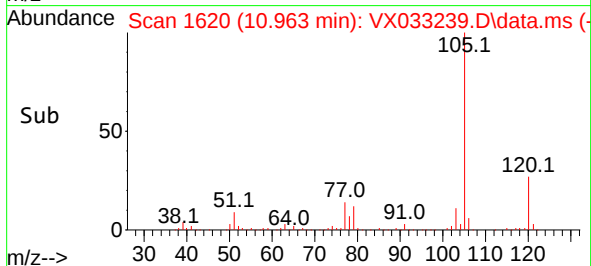
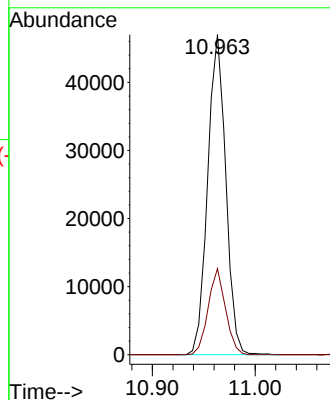
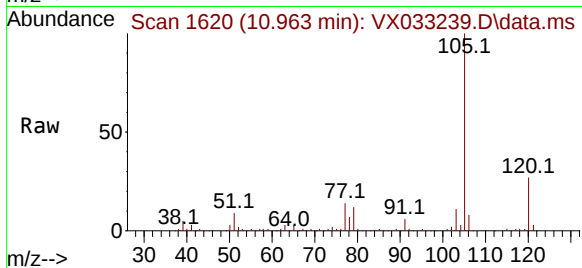
MW-39

Tgt Ion:105 Resp: 57450

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.3



#78

n-propylbenzene

Concen: 13.714 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033239.D

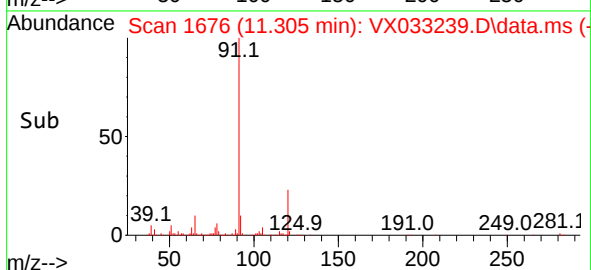
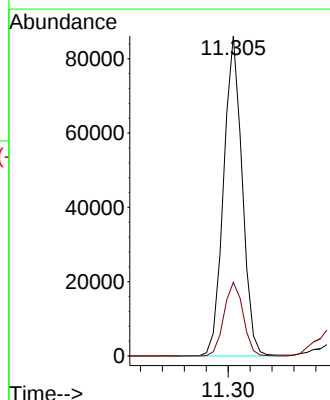
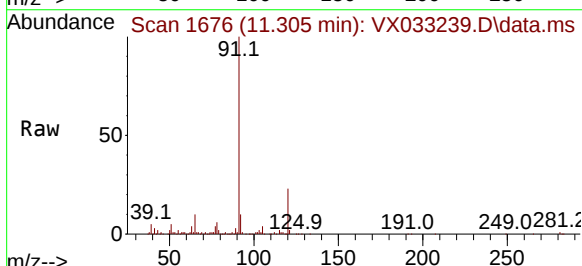
Acq: 05 Dec 2022 20:27

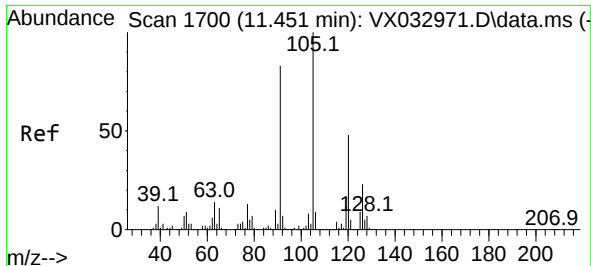
Tgt Ion: 91 Resp: 101361

Ion Ratio Lower Upper

91 100

120 23.7 11.6 34.8

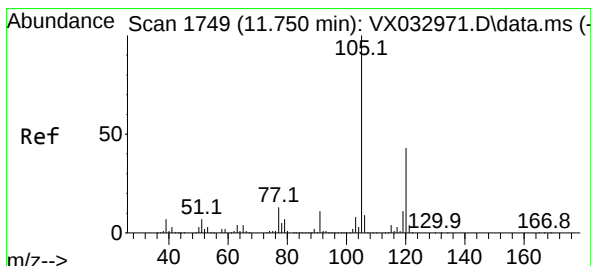
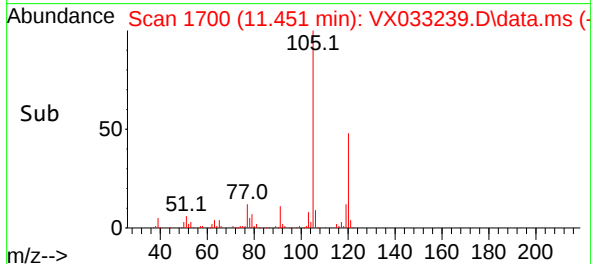
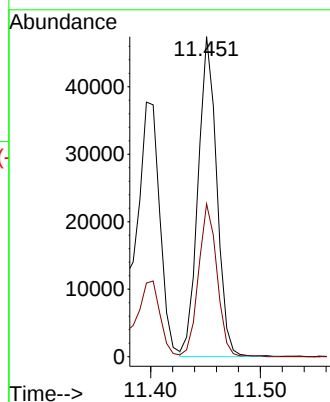
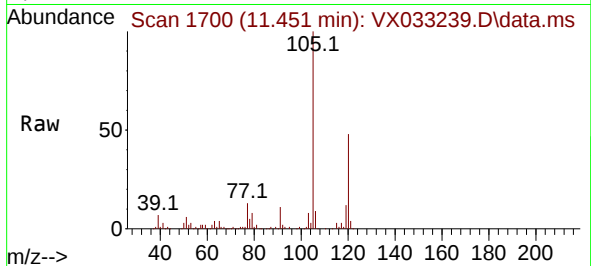




#80
 1,3,5-Trimethylbenzene
 Concen: 10.302 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX033239.D
 Acq: 05 Dec 2022 20:27

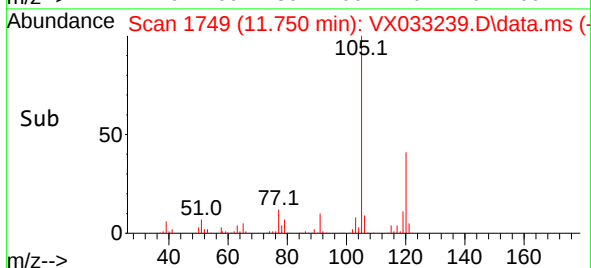
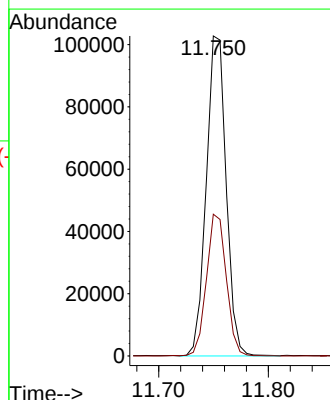
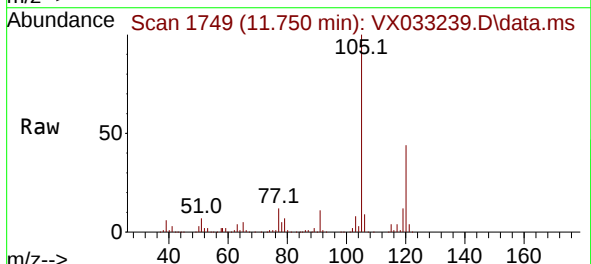
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-39

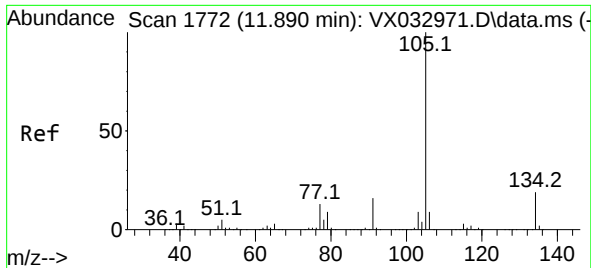
Tgt Ion:105 Resp: 55947
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.6 71.0



#84
 1,2,4-Trimethylbenzene
 Concen: 23.881 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX033239.D
 Acq: 05 Dec 2022 20:27

Tgt Ion:105 Resp: 129311
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.9 65.5

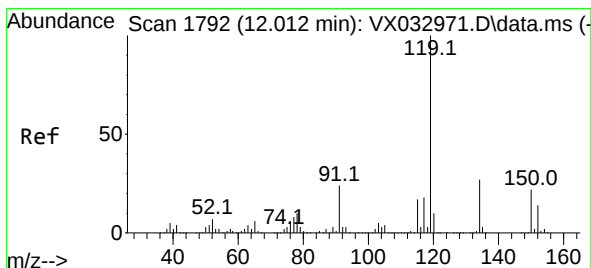
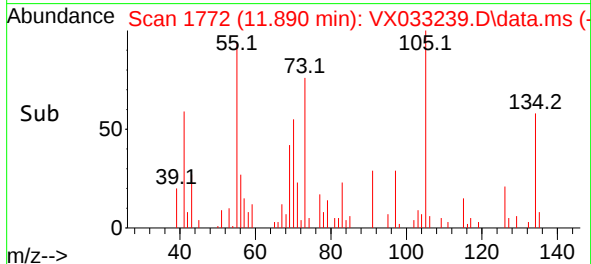
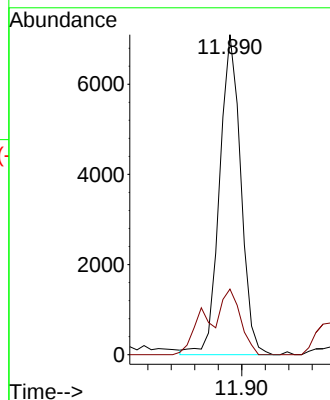
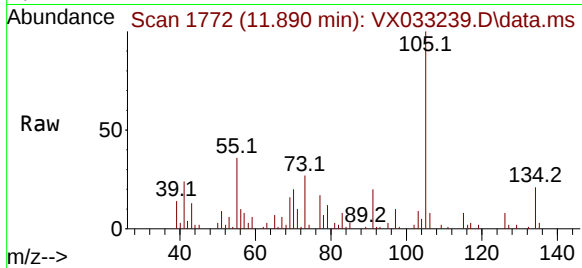




#85
 sec-Butylbenzene
 Concen: 1.379 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033239.D
 Acq: 05 Dec 2022 20:27

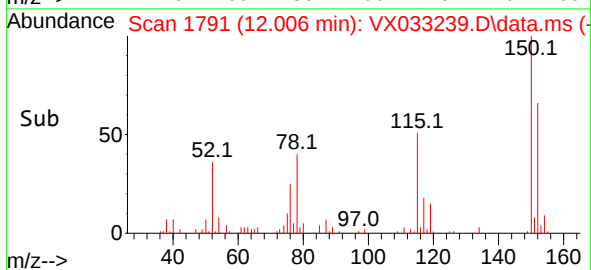
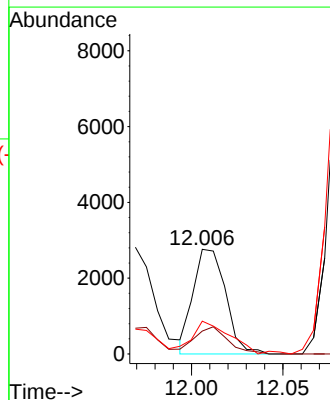
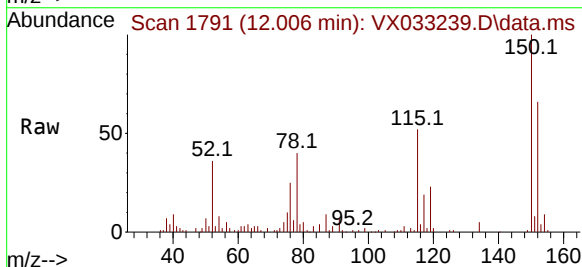
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-39

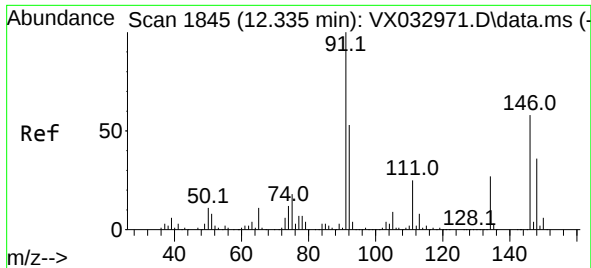
Tgt Ion:105 Resp: 8917
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 0.623 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VX033239.D
 Acq: 05 Dec 2022 20:27

Tgt Ion:119 Resp: 3412
 Ion Ratio Lower Upper
 119 100
 134 27.6 12.9 38.7
 91 0.0 12.5 37.5#





#89

n-Butylbenzene

Concen: 2.584 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX033239.D

Acq: 05 Dec 2022 20:27

Instrument :

MSVOA_X

ClientSampleId :

MW-39

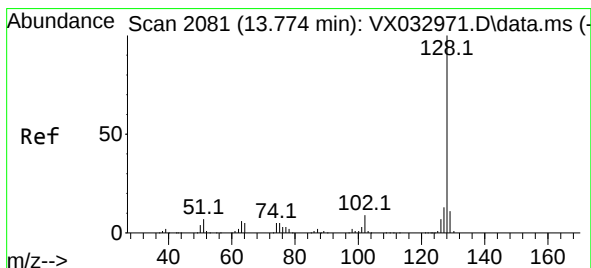
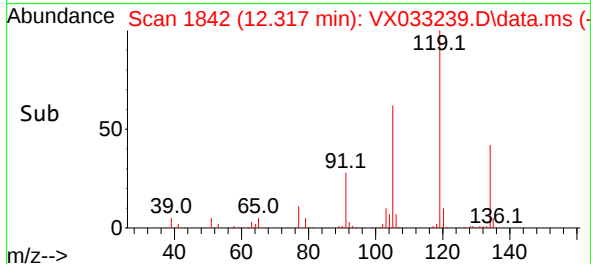
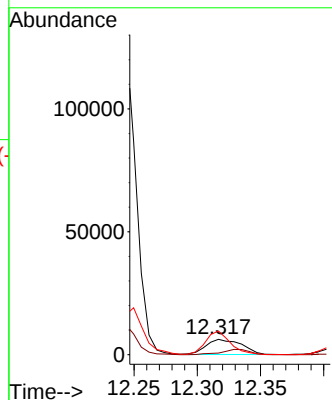
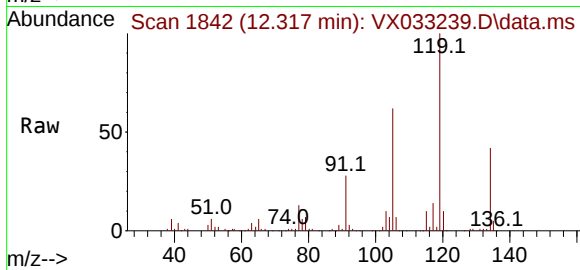
Tgt Ion: 91 Resp: 12197

Ion Ratio Lower Upper

91 100

92 27.0 26.2 78.6

134 107.7 12.9 38.6#



#95

Naphthalene

Concen: 63.038 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX033239.D

Acq: 05 Dec 2022 20:27

Tgt Ion:128 Resp: 364644

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.1 8.9 13.3

