

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033300.D
 Acq On : 07 Dec 2022 22:37
 Operator : JC/MD
 Sample : N5906-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

Quant Time: Dec 08 01:45:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

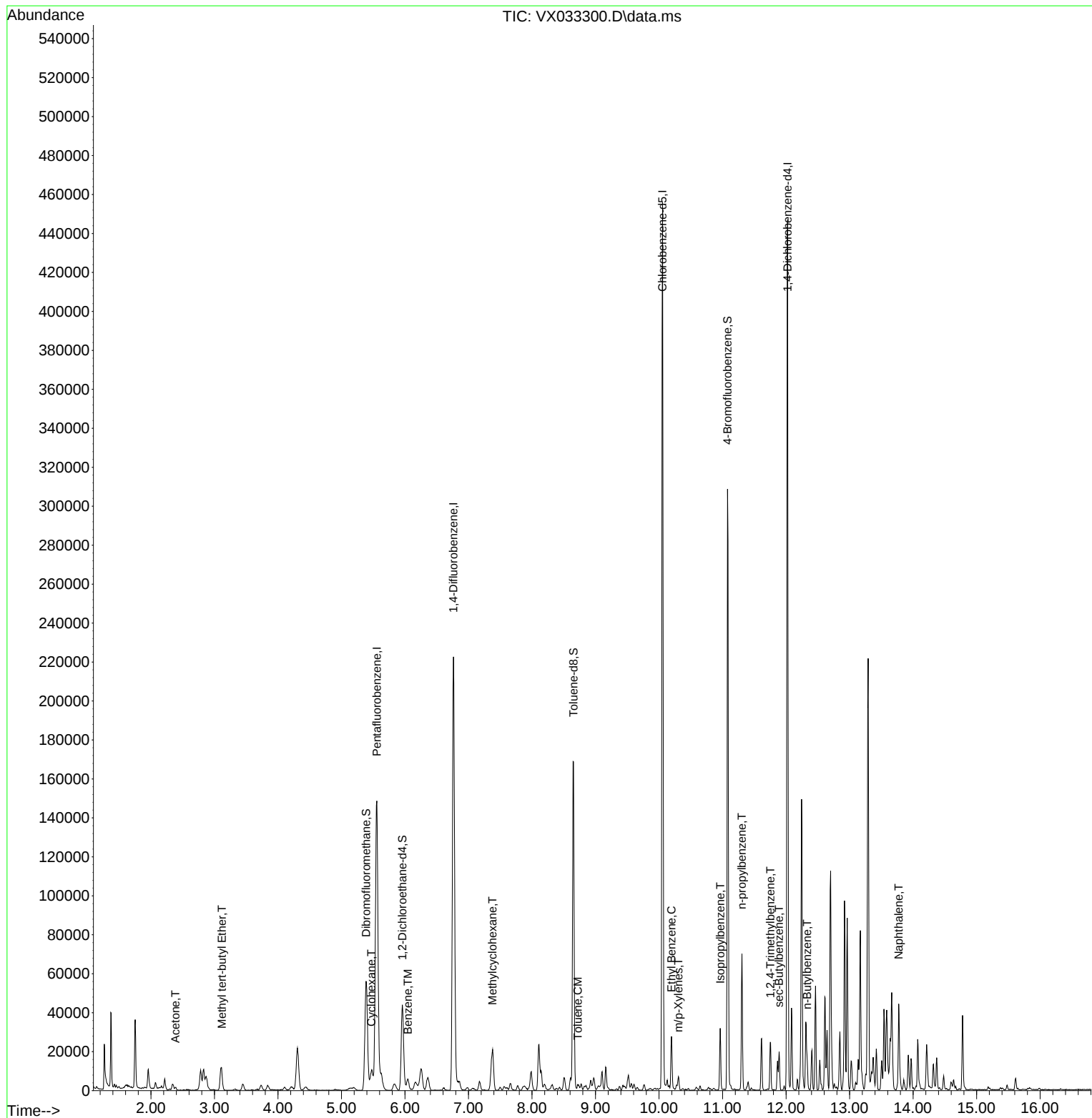
Internal Standards						
1) Pentafluorobenzene	5.556	168	142716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	45204	49.372	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.740%
35) Dibromofluoromethane	5.385	113	49190	47.623	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.240%
50) Toluene-d8	8.653	98	105188	48.680	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.360%
62) 4-Bromofluorobenzene	11.079	95	80191	48.537	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.080%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	1762	2.601	ug/l #	77
19) Methyl tert-butyl Ether	3.117	73	2331	0.520	ug/l #	1
31) Cyclohexane	5.471	56	6841	3.144	ug/l	95
39) Methylcyclohexane	7.379	83	8430	3.740	ug/l	89
40) Benzene	6.044	78	6941	1.182	ug/l	93
52) Toluene	8.720	92	1253	0.330	ug/l	94
67) Ethyl Benzene	10.195	91	16516	2.303	ug/l	99
68) m/p-Xylenes	10.305	106	1414	0.507	ug/l	88
73) Isopropylbenzene	10.963	105	15706	2.284	ug/l	97
78) n-propylbenzene	11.305	91	41633	5.421	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	11790	2.063	ug/l	98
85) sec-Butylbenzene	11.890	105	10395	1.561	ug/l	98
89) n-Butylbenzene	12.329	91	9186	1.953	ug/l #	72
95) Naphthalene	13.774	128	27788	4.385	ug/l	98

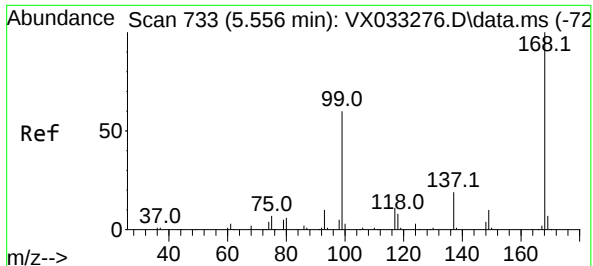
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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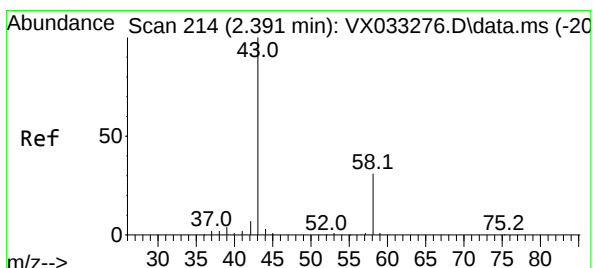
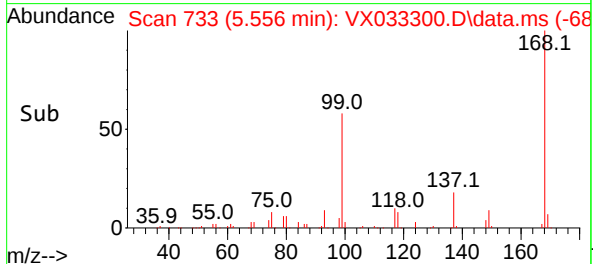
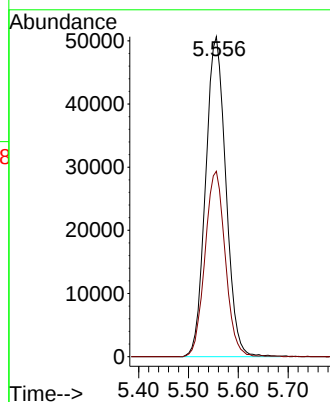
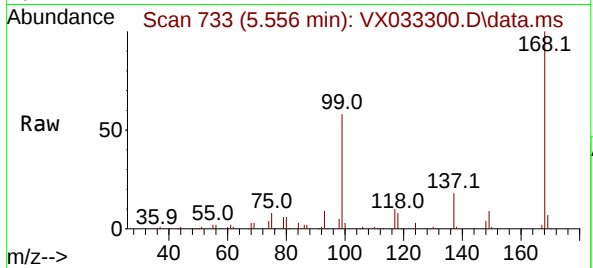




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

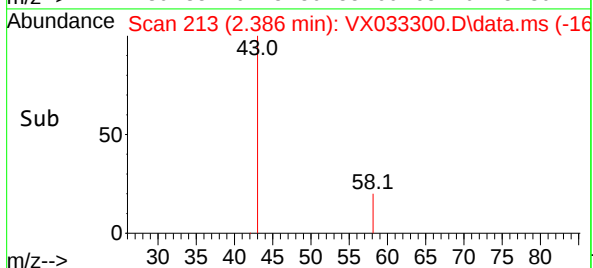
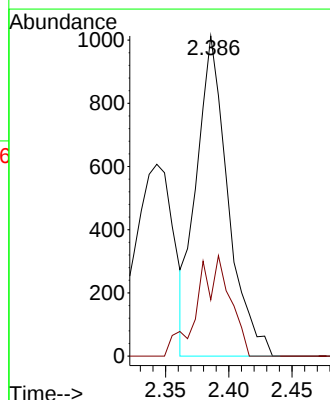
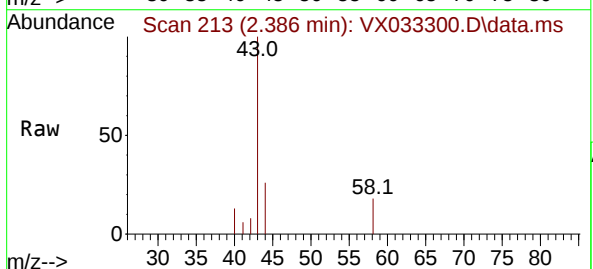
Instrument :
MSVOA_X
ClientSampleId :
MW-16

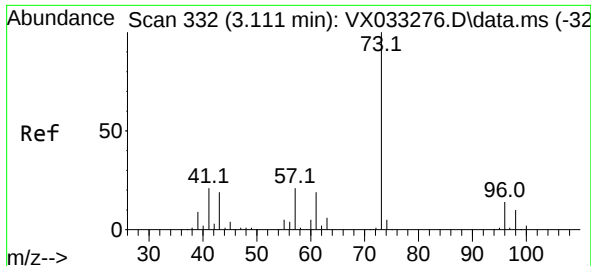
Tgt Ion:168 Resp: 142716
Ion Ratio Lower Upper
168 100
99 57.9 46.1 69.1



#16
Acetone
Concen: 2.601 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

Tgt Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
58 17.6 23.8 35.8#

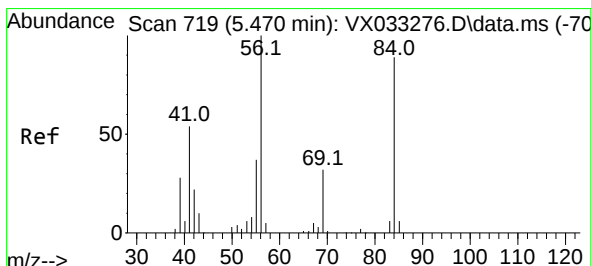
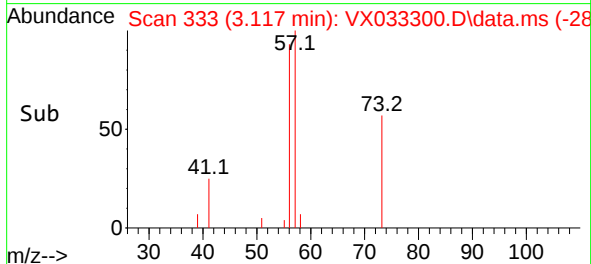
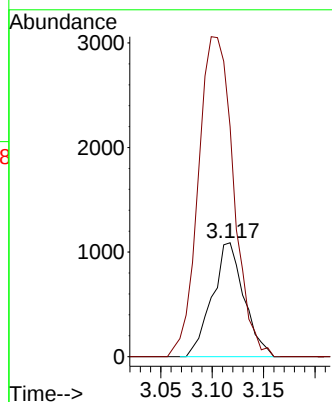
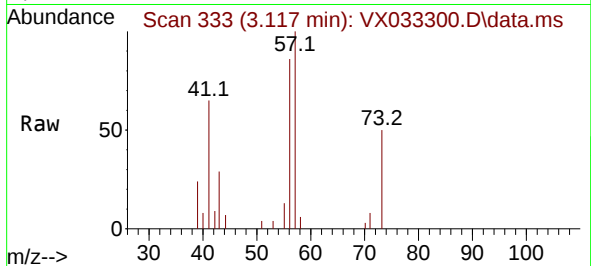




#19
Methyl tert-butyl Ether
Concen: 0.520 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

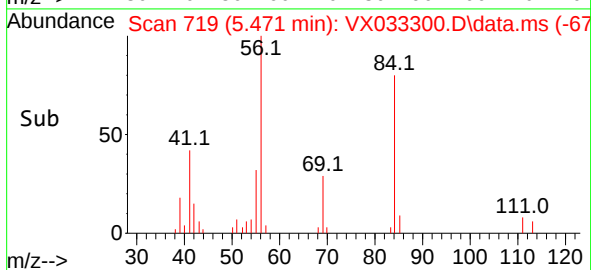
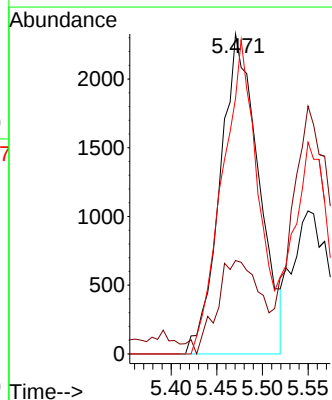
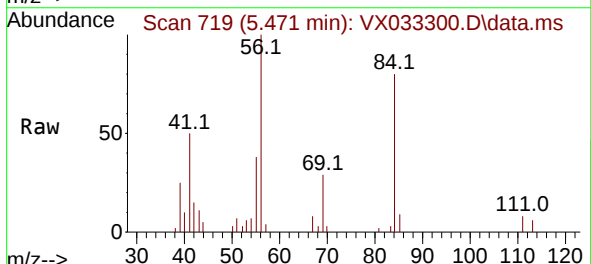
Instrument :
MSVOA_X
ClientSampleId :
MW-16

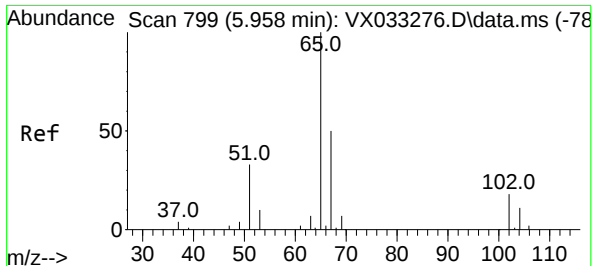
Tgt Ion: 73 Resp: 2331
Ion Ratio Lower Upper
73 100
57 201.7 16.6 25.0#



#31
Cyclohexane
Concen: 3.144 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

Tgt Ion: 56 Resp: 6841
Ion Ratio Lower Upper
56 100
69 26.1 24.1 36.1
84 79.9 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 49.372 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033300.D

Acq: 07 Dec 2022 22:37

Instrument :

MSVOA_X

ClientSampleId :

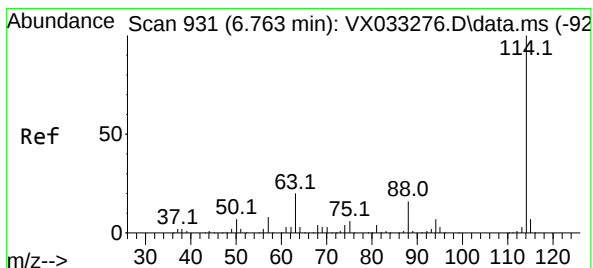
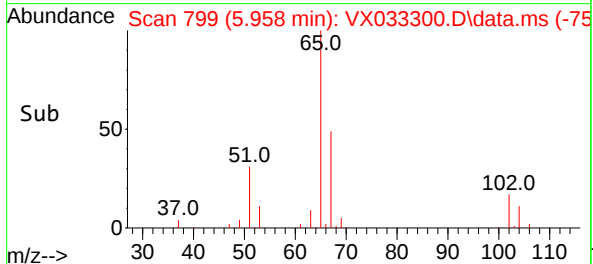
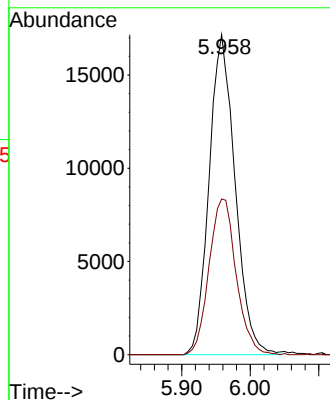
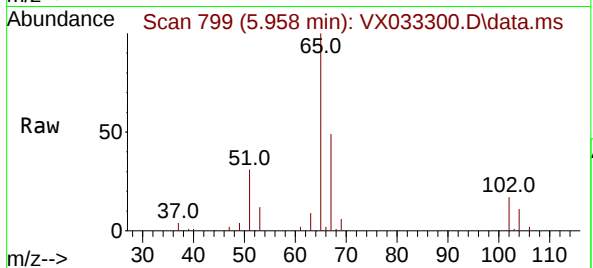
MW-16

Tgt Ion: 65 Resp: 45204

Ion Ratio Lower Upper

65 100

67 50.8 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: VX033300.D

Acq: 07 Dec 2022 22:37

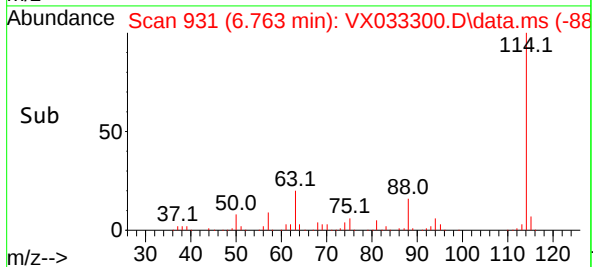
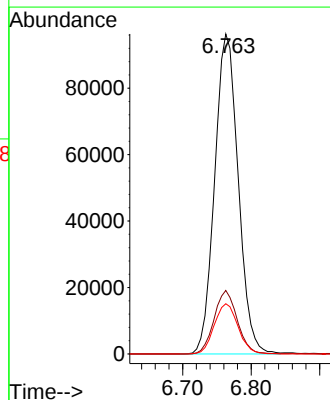
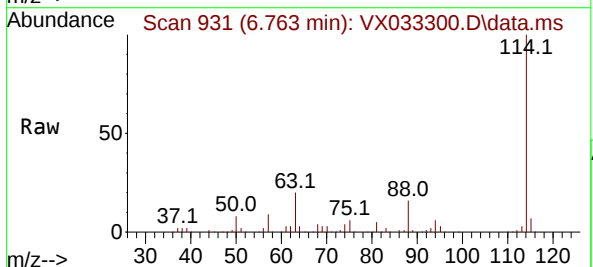
Tgt Ion: 114 Resp: 229648

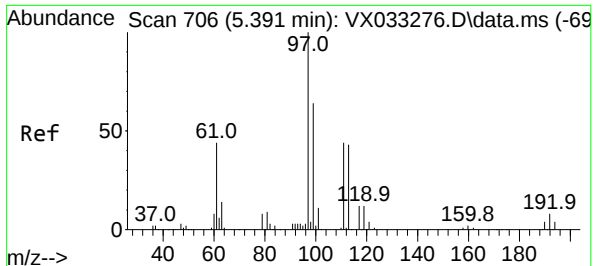
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.623 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX033300.D

Acq: 07 Dec 2022 22:37

Instrument :

MSVOA_X

ClientSampleId :

MW-16

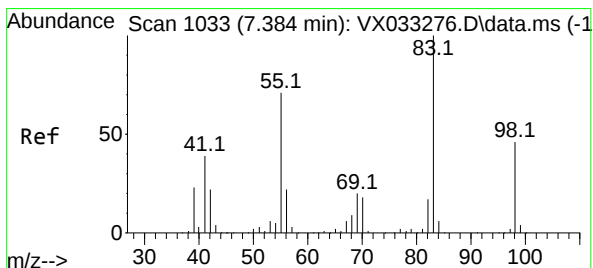
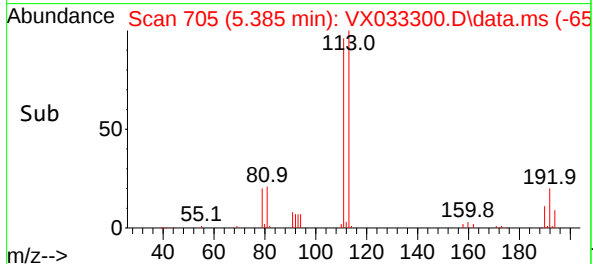
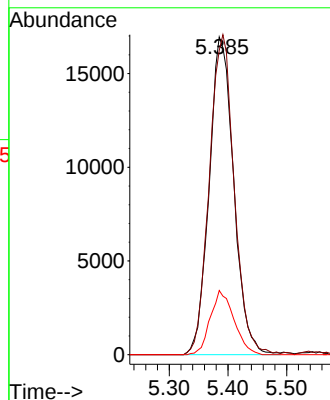
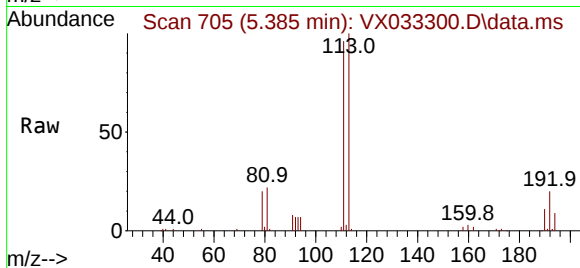
Tgt Ion:113 Resp: 49190

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

192 19.5 15.4 23.2



#39

Methylcyclohexane

Concen: 3.740 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX033300.D

Acq: 07 Dec 2022 22:37

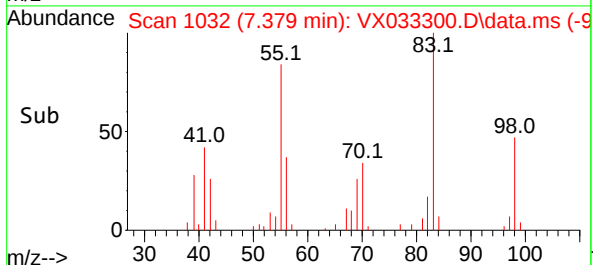
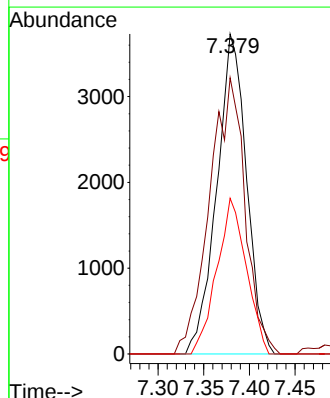
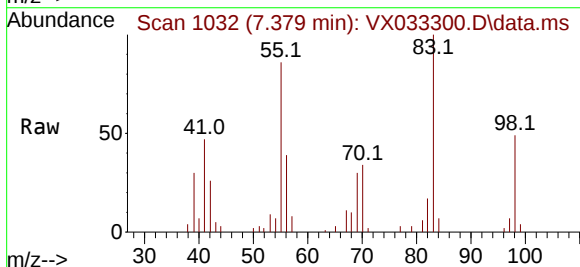
Tgt Ion: 83 Resp: 8430

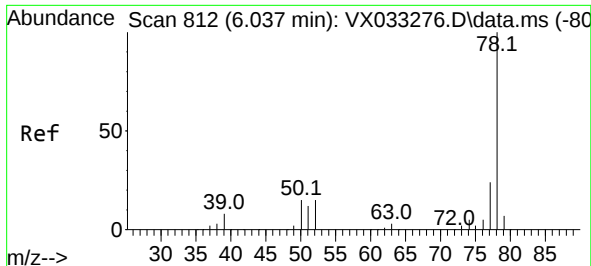
Ion Ratio Lower Upper

83 100

55 86.3 58.4 87.6

98 48.6 37.2 55.8

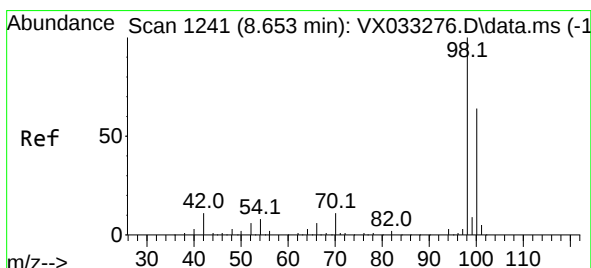
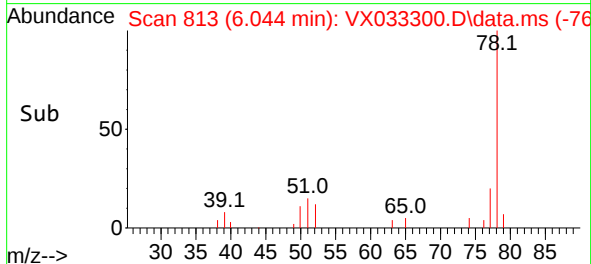
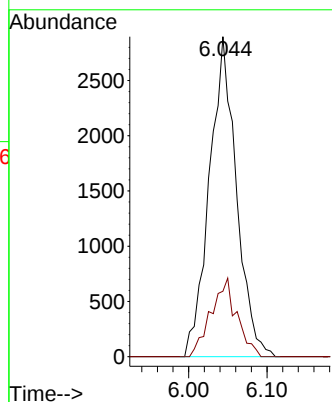
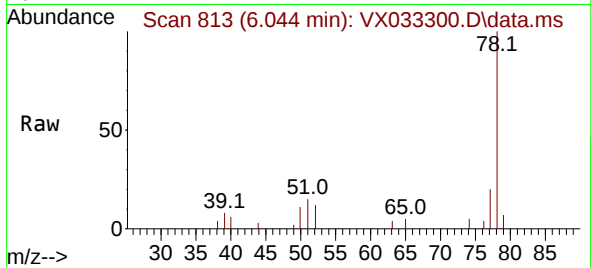




#40
Benzene
Concen: 1.182 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

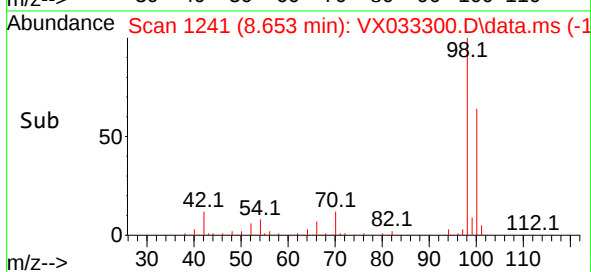
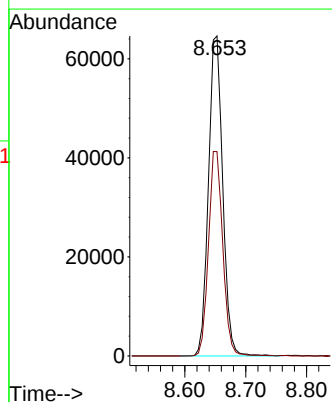
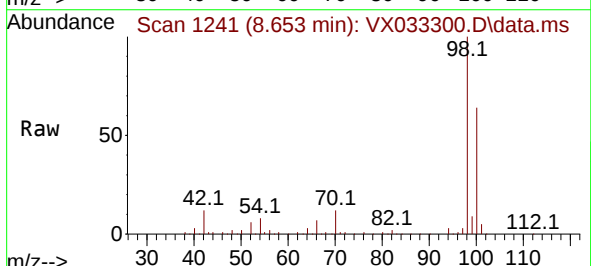
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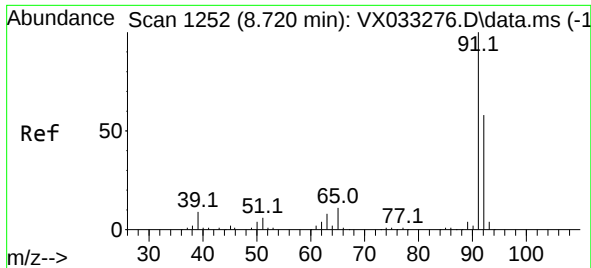
Tgt Ion: 78 Resp: 6941
Ion Ratio Lower Upper
78 100
77 20.5 19.0 28.4



#50
Toluene-d8
Concen: 48.680 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

Tgt Ion: 98 Resp: 105188
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3

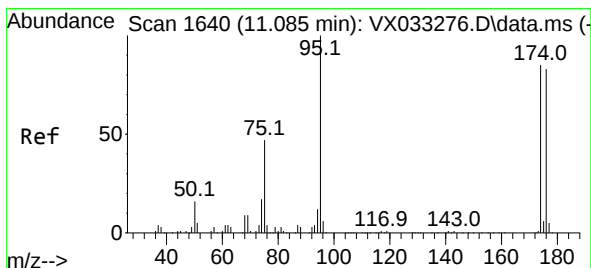
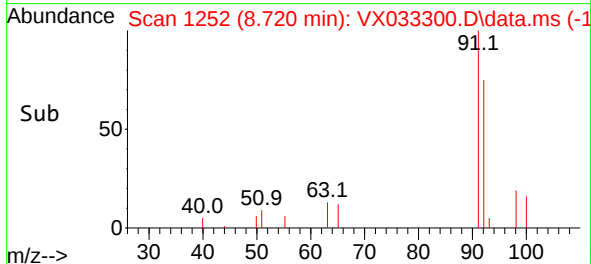
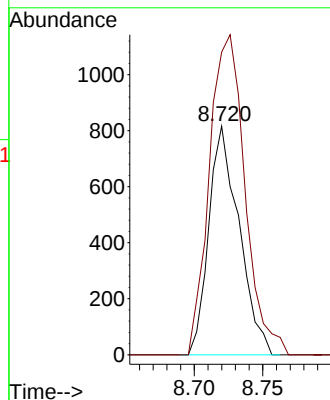
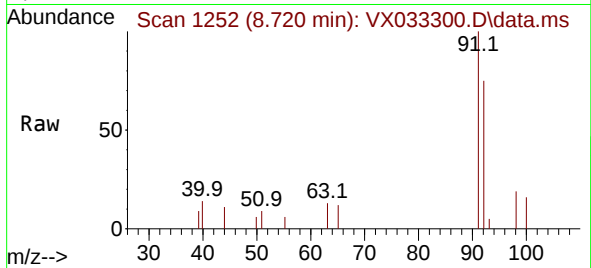




#52
Toluene
Concen: 0.330 ug/l
RT: 8.720 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

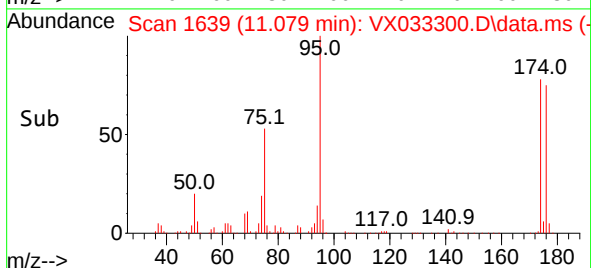
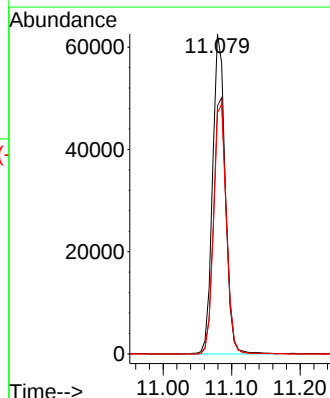
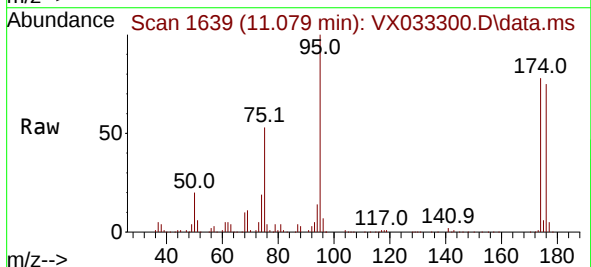
Instrument :
MSVOA_X
ClientSampleId :
MW-16

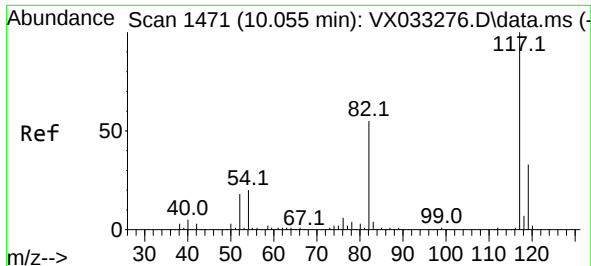
Tgt Ion: 92 Resp: 1253
Ion Ratio Lower Upper
92 100
91 165.0 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 48.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

Tgt Ion: 95 Resp: 80191
Ion Ratio Lower Upper
95 100
174 81.3 0.0 164.0
176 78.5 0.0 154.4

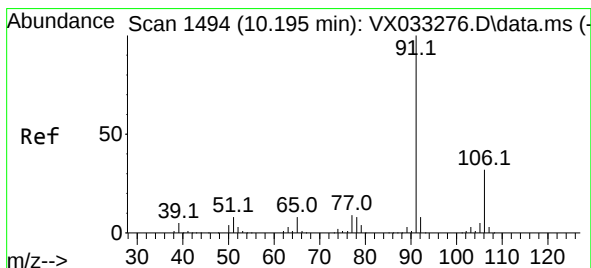
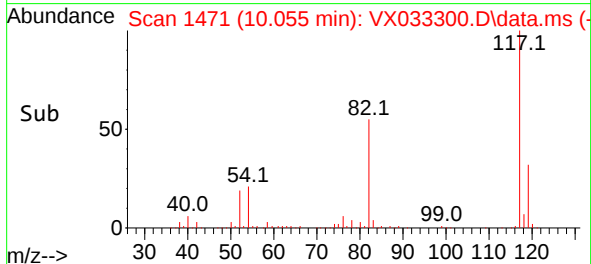
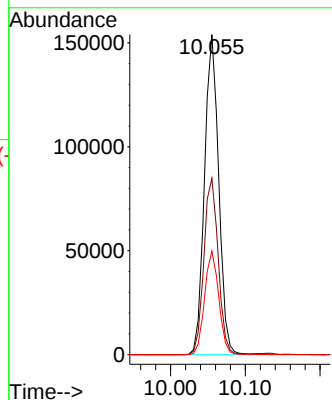
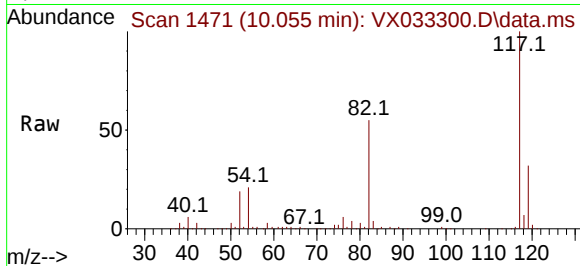




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

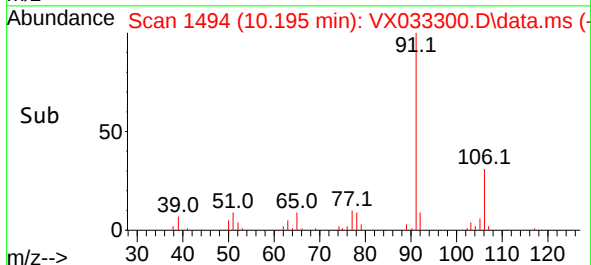
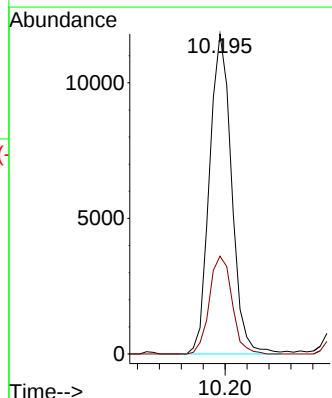
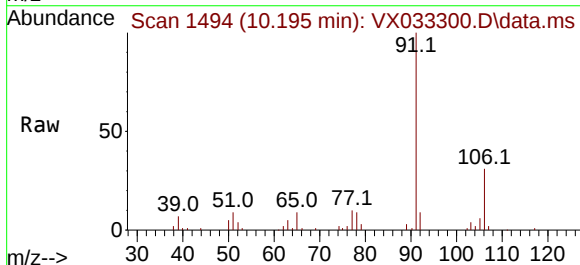
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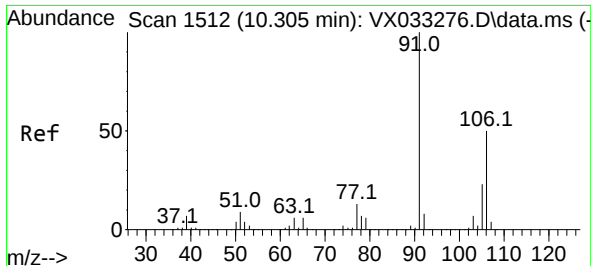
Tgt Ion:117 Resp: 203250
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 32.3 25.7 38.5



#67
Ethyl Benzene
Concen: 2.303 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

Tgt Ion: 91 Resp: 16516
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.6

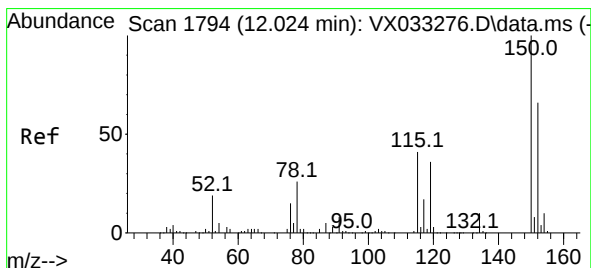
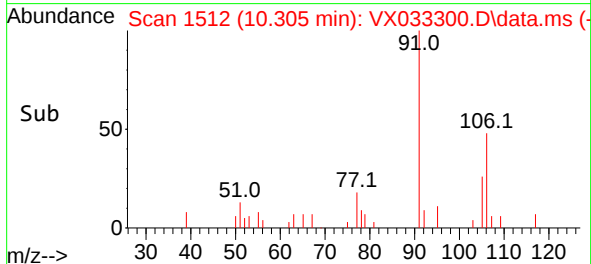
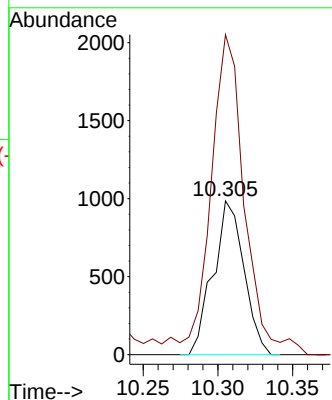
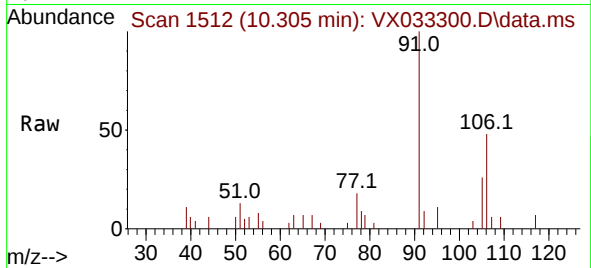




#68
m/p-Xylenes
Concen: 0.507 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

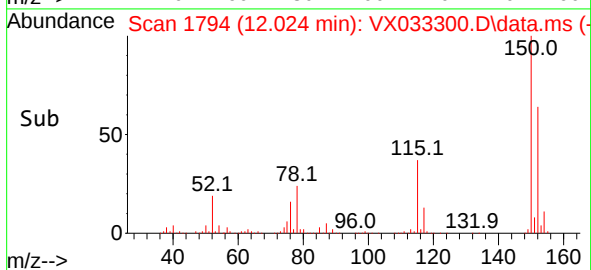
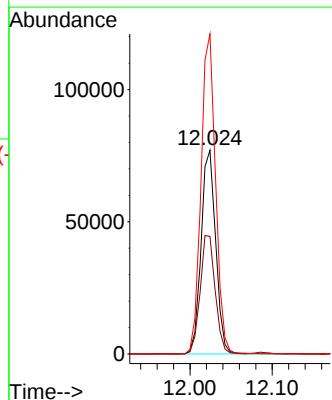
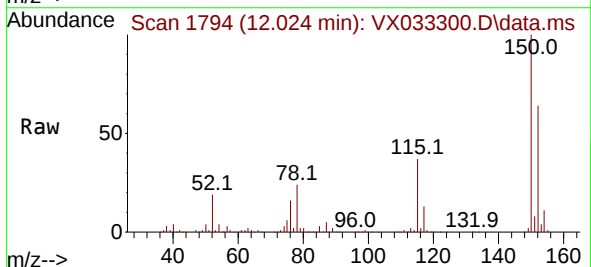
Instrument :
MSVOA_X
ClientSampleId :
MW-16

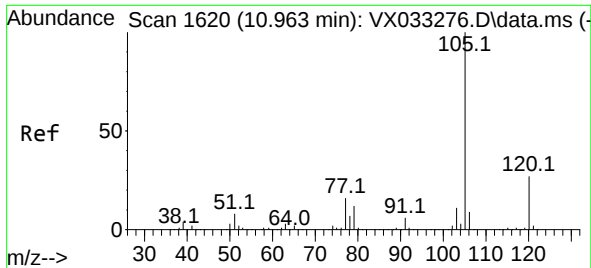
Tgt Ion:106 Resp: 1414
Ion Ratio Lower Upper
106 100
91 224.0 164.5 246.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

Tgt Ion:152 Resp: 94890
Ion Ratio Lower Upper
152 100
115 60.1 44.0 132.0
150 157.0 0.0 351.8

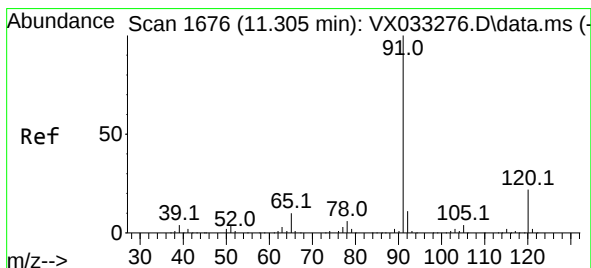
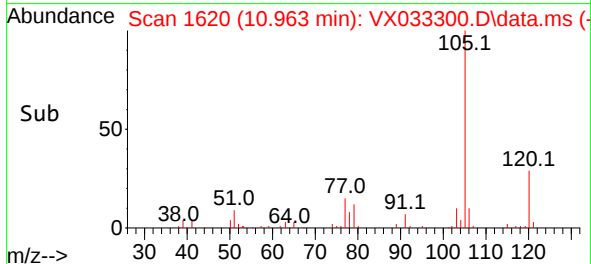
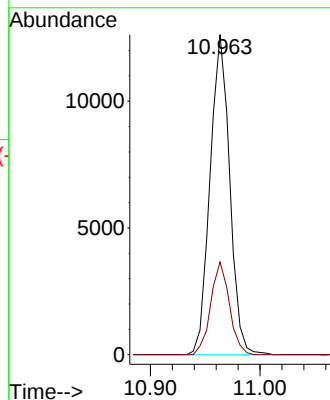
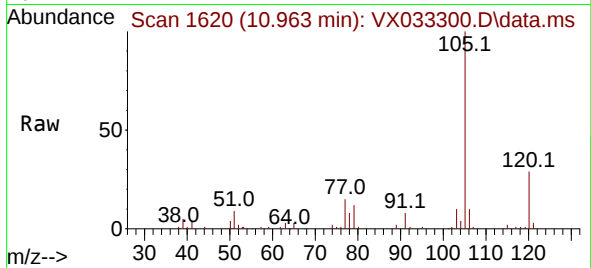




#73
Isopropylbenzene
Concen: 2.284 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

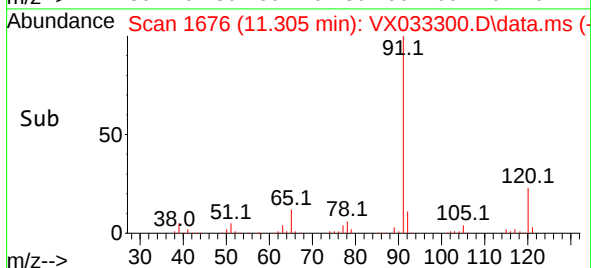
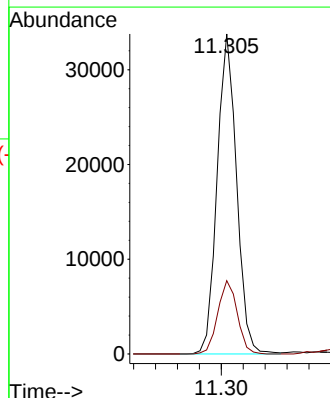
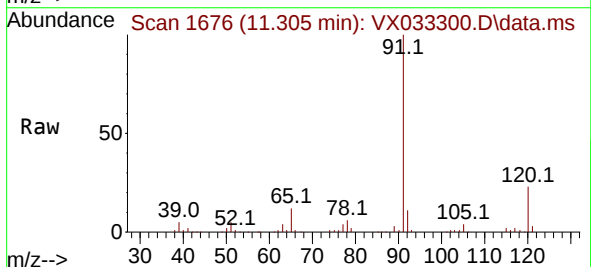
Instrument :
MSVOA_X
ClientSampleId :
MW-16

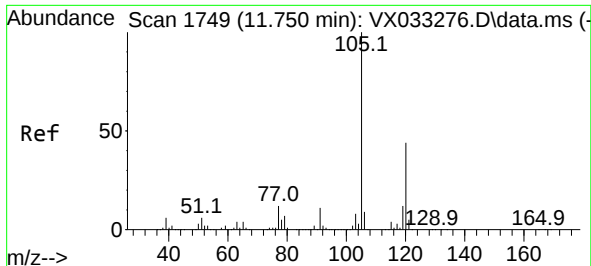
Tgt Ion:105 Resp: 15706
Ion Ratio Lower Upper
105 100
120 27.5 13.1 39.3



#78
n-propylbenzene
Concen: 5.421 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

Tgt Ion: 91 Resp: 41633
Ion Ratio Lower Upper
91 100
120 22.9 11.6 34.8

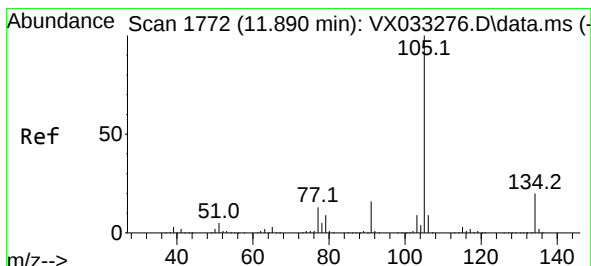
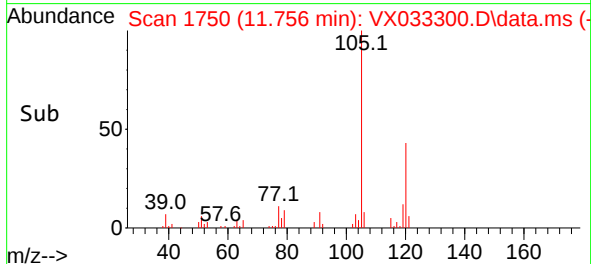
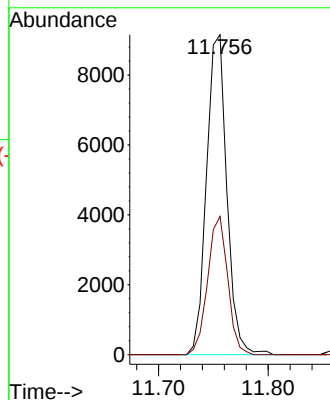
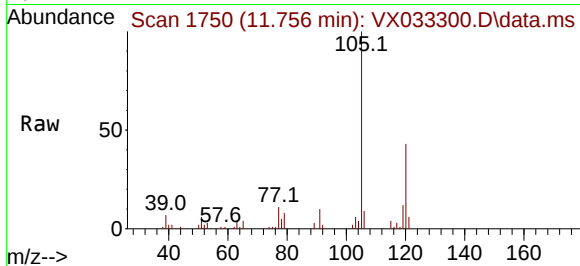




#84
1,2,4-Trimethylbenzene
Concen: 2.063 ug/l
RT: 11.756 min Scan# 11750
Delta R.T. 0.006 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

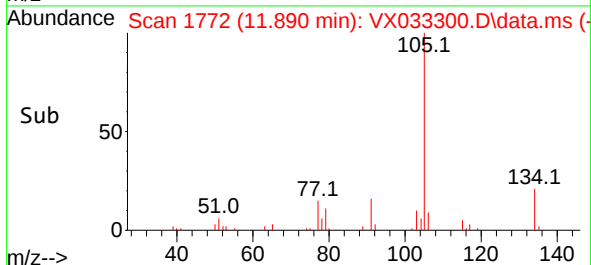
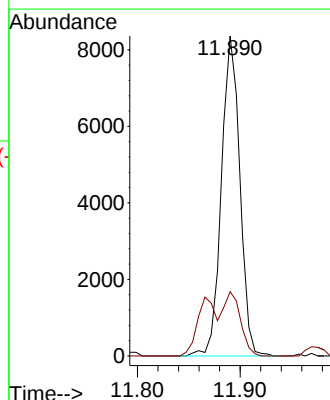
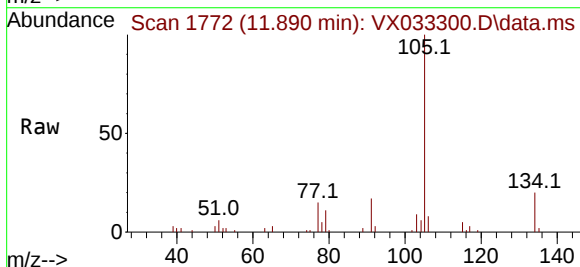
Instrument :
MSVOA_X
ClientSampleId :
MW-16

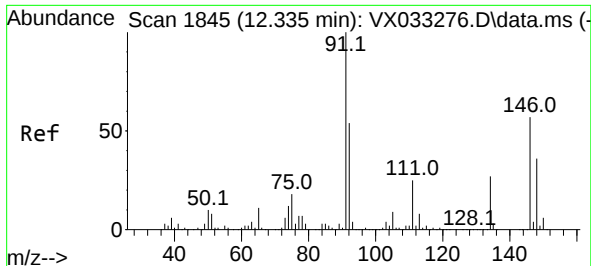
Tgt Ion:105 Resp: 11790
Ion Ratio Lower Upper
105 100
120 42.6 21.9 65.5



#85
sec-Butylbenzene
Concen: 1.561 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033300.D
Acq: 07 Dec 2022 22:37

Tgt Ion:105 Resp: 10395
Ion Ratio Lower Upper
105 100
134 18.9 9.9 29.7





#89

n-Butylbenzene

Concen: 1.953 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX033300.D

Acq: 07 Dec 2022 22:37

Instrument :

MSVOA_X

ClientSampleId :

MW-16

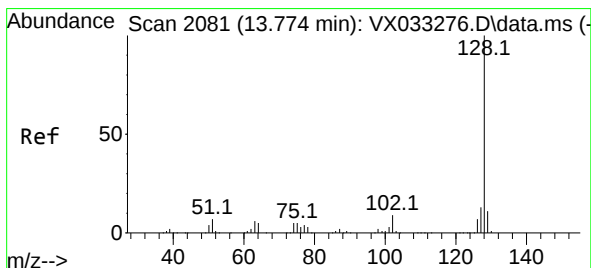
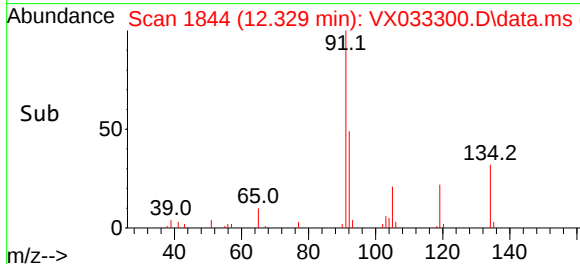
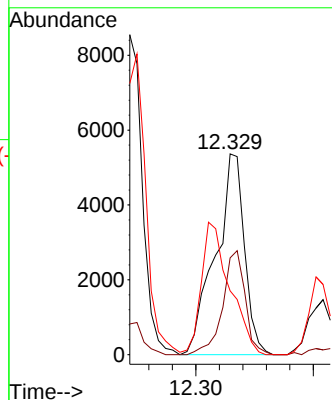
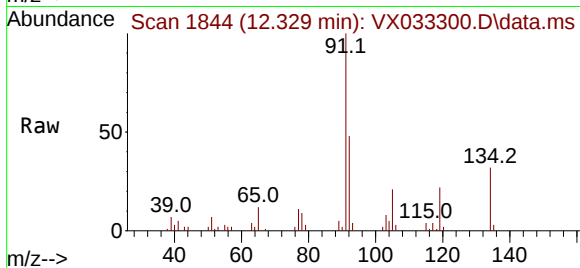
Tgt Ion: 91 Resp: 9186

Ion Ratio Lower Upper

91 100

92 40.3 26.2 78.6

134 0.0 12.9 38.6#



#95

Naphthalene

Concen: 4.385 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX033300.D

Acq: 07 Dec 2022 22:37

Tgt Ion:128 Resp: 27788

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 12.5 8.9 13.3

