

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
 Data File : VX033071.D
 Acq On : 25 Nov 2022 16:28
 Operator : JC/MD
 Sample : N5747-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-29

Quant Time: Nov 28 00:48:48 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)

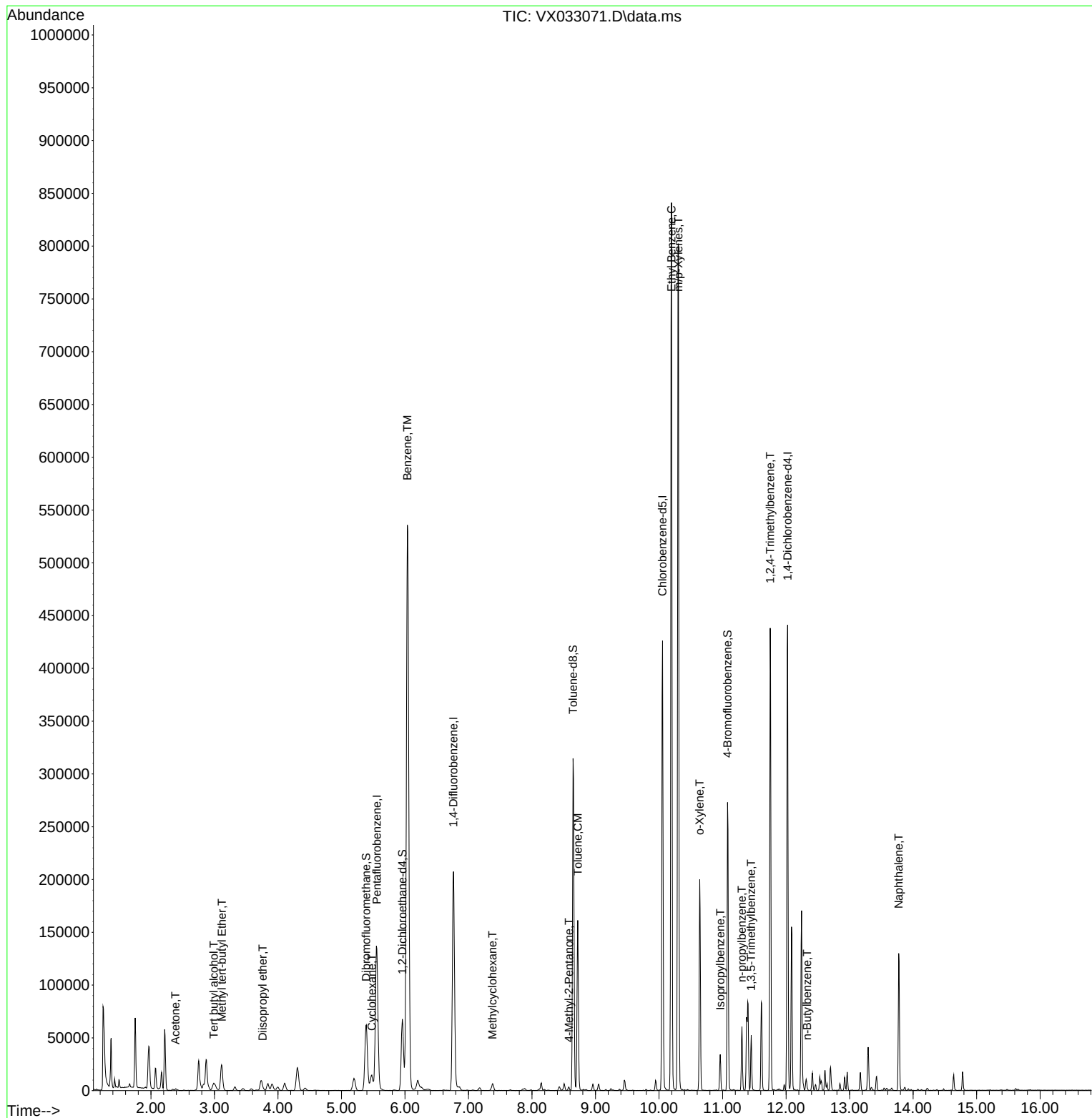
Internal Standards						
1) Pentafluorobenzene	5.556	168	129443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	212389	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66761	52.968	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.940%
35) Dibromofluoromethane	5.385	113	53920	45.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.060%
50) Toluene-d8	8.647	98	187451	52.123	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.240%
62) 4-Bromofluorobenzene	11.079	95	70003	44.507	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.020%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.989	59	13061	65.362	ug/l	96
16) Acetone	2.386	43	2305	3.915	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	21862	5.581	ug/l #	82
22) Diisopropyl ether	3.757	45	1985	0.500	ug/l #	81
31) Cyclohexane	5.477	56	9486	4.644	ug/l	91
39) Methylcyclohexane	7.379	83	2550	1.167	ug/l	95
40) Benzene	6.037	78	647096	120.548	ug/l	100
51) 4-Methyl-2-Pentanone	8.580	43	1947	1.142	ug/l	97
52) Toluene	8.720	92	57472	16.274	ug/l	97
67) Ethyl Benzene	10.195	91	474653	70.863	ug/l	98
68) m/p-Xylenes	10.305	106	189499	72.247	ug/l	99
69) o-Xylene	10.640	106	41740	16.447	ug/l	100
73) Isopropylbenzene	10.963	105	17075	2.647	ug/l	99
78) n-propylbenzene	11.305	91	35494	4.813	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	21708	4.006	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	185310	34.297	ug/l	100
89) n-Butylbenzene	12.329	91	1799	0.382	ug/l #	32
95) Naphthalene	13.774	128	82189	14.239	ug/l	99

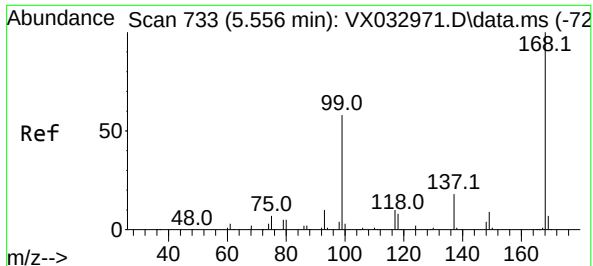
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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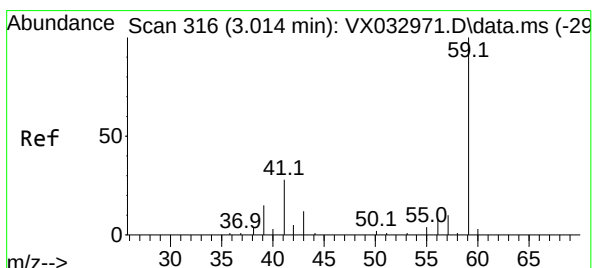
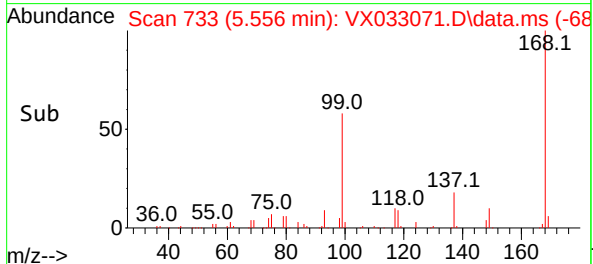
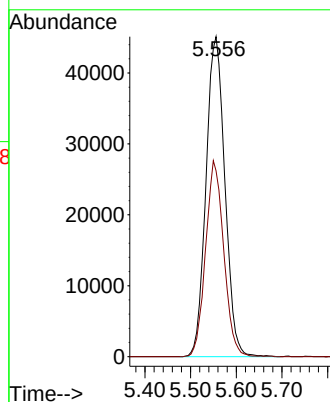
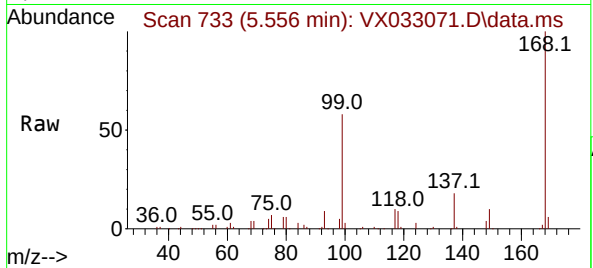




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

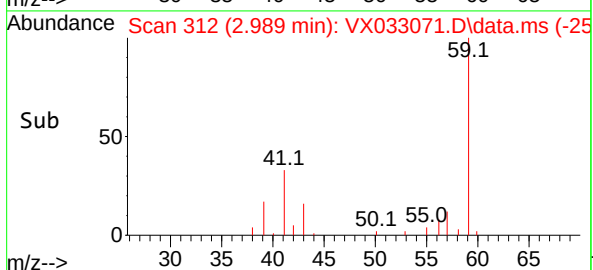
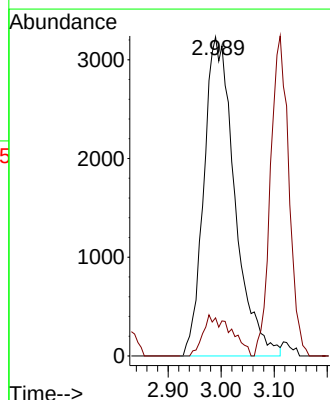
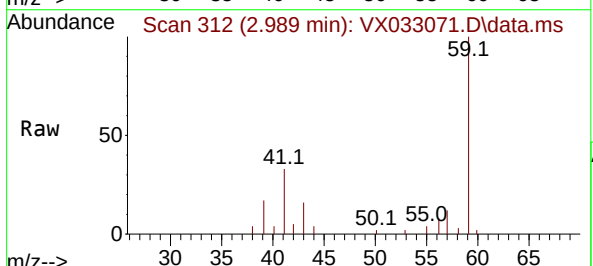
Instrument :
MSVOA_X
ClientSampleId :
MW-29

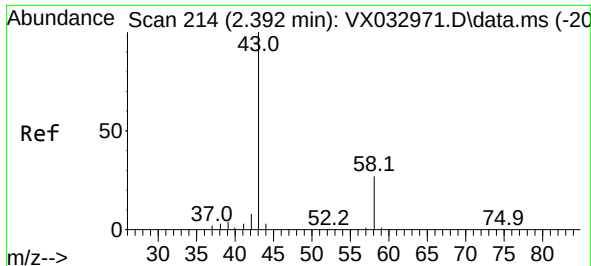
Tgt Ion:168 Resp: 129443
Ion Ratio Lower Upper
168 100
99 58.1 46.1 69.1



#11
Tert butyl alcohol
Concen: 65.362 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.024 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Tgt Ion: 59 Resp: 13061
Ion Ratio Lower Upper
59 100
57 11.7 8.2 12.4

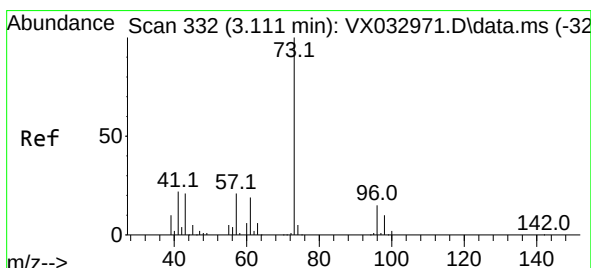
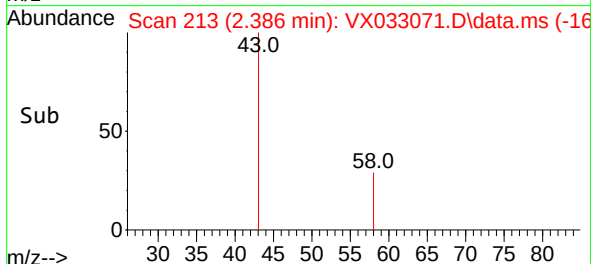
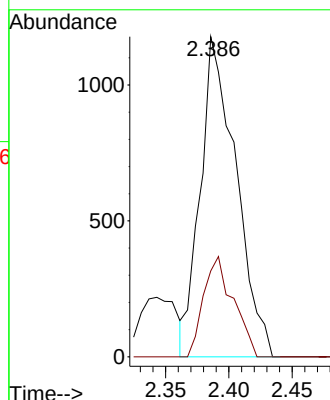
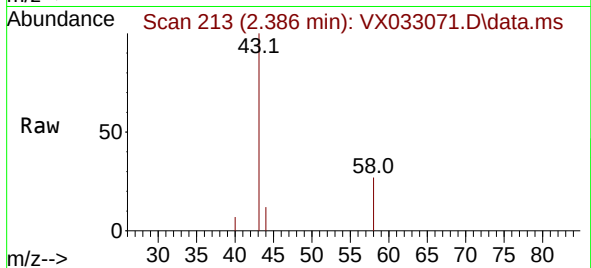




#16
Acetone
Concen: 3.915 ug/l
RT: 2.386 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

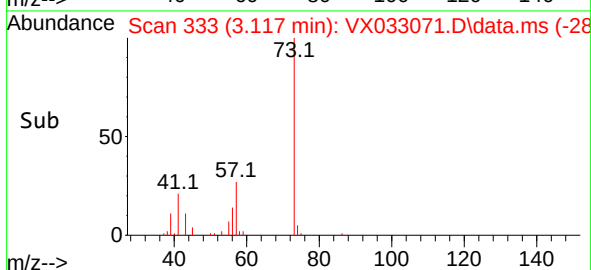
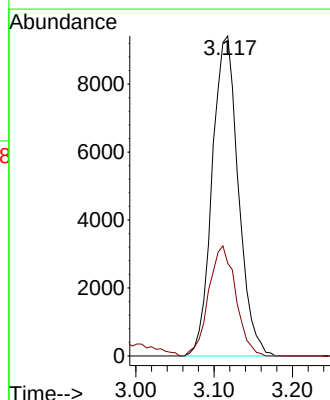
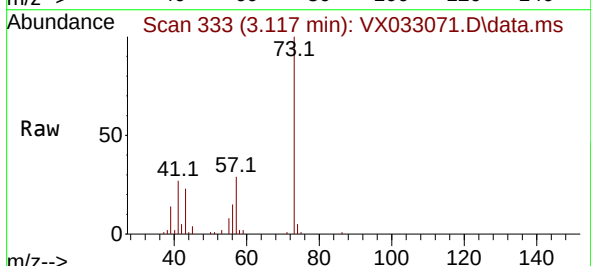
Instrument :
MSVOA_X
ClientSampleId :
MW-29

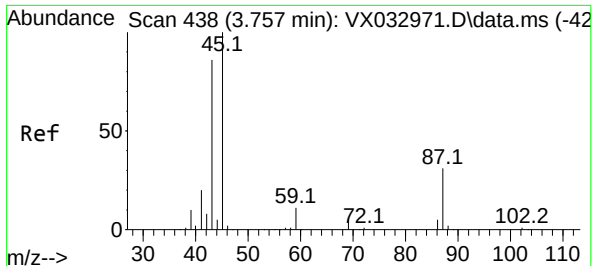
Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 26.8 23.8 35.8



#19
Methyl tert-butyl Ether
Concen: 5.581 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Tgt Ion: 73 Resp: 21862
Ion Ratio Lower Upper
73 100
57 29.0 16.6 25.0#

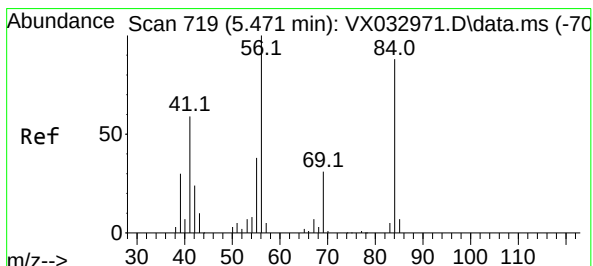
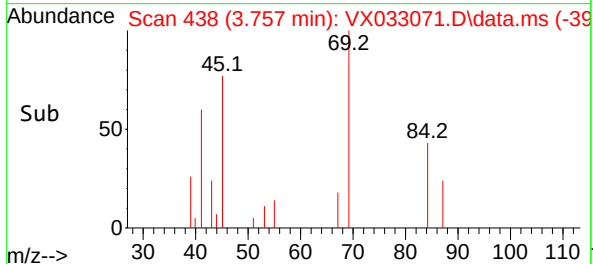
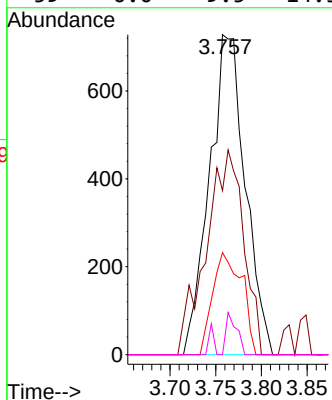
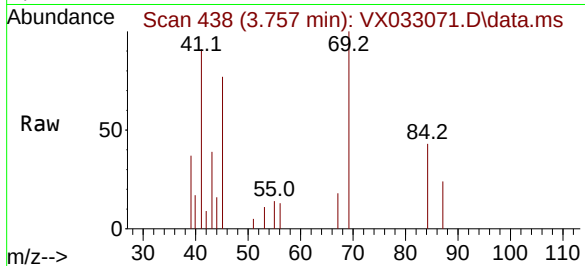




#22
Diisopropyl ether
Concen: 0.500 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

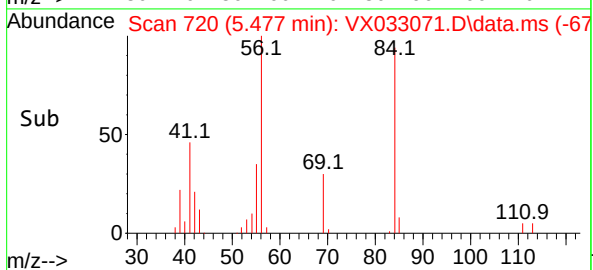
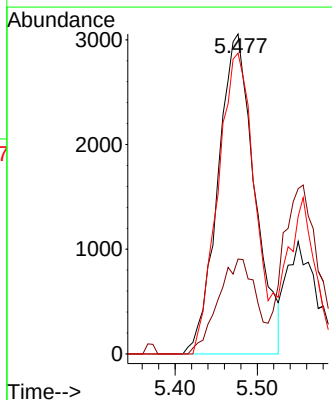
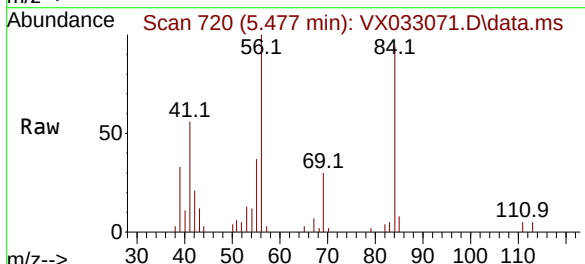
Instrument :
MSVOA_X
ClientSampleId :
MW-29

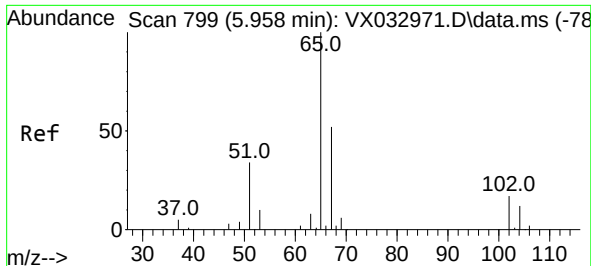
Tgt Ion:	45	Resp:	1985
Ion	Ratio	Lower	Upper
45	100		
43	51.2	56.4	84.6#
87	31.9	24.4	36.6
59	0.0	9.5	14.3#



#31
Cyclohexane
Concen: 4.644 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.007 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Tgt Ion:	56	Resp:	9486
Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.1	36.1
84	94.0	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 52.968 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033071.D

Acq: 25 Nov 2022 16:28

Instrument :

MSVOA_X

ClientSampleId :

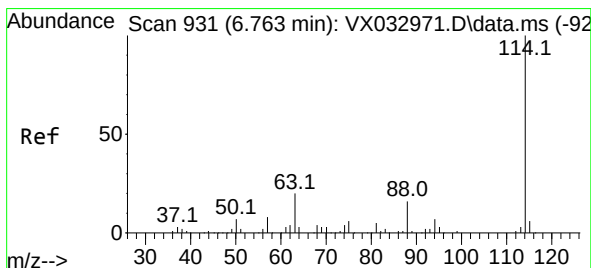
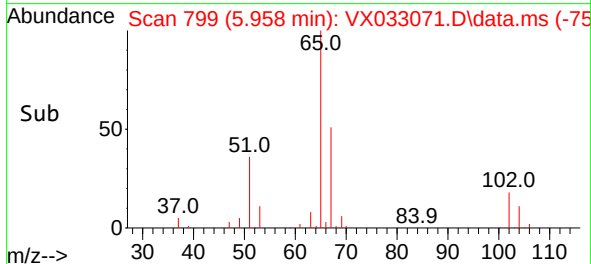
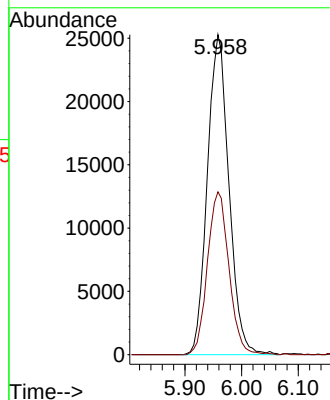
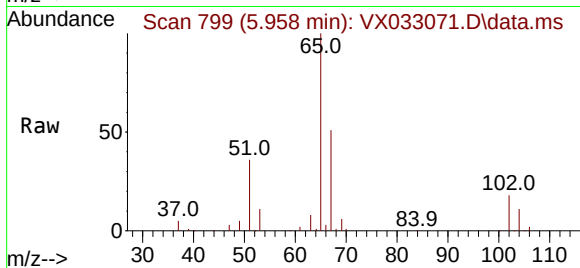
MW-29

Tgt Ion: 65 Resp: 66761

Ion Ratio Lower Upper

65 100

67 50.7 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: VX033071.D

Acq: 25 Nov 2022 16:28

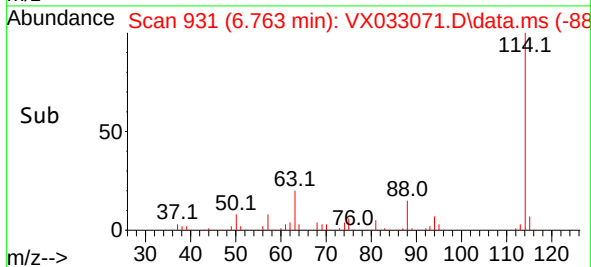
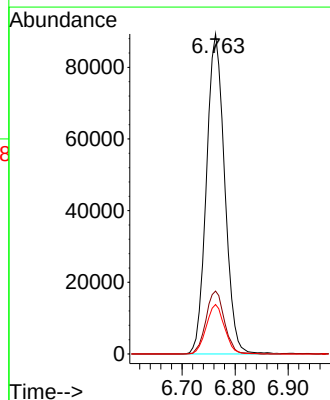
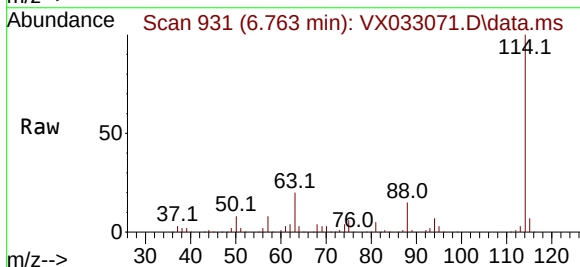
Tgt Ion: 114 Resp: 212389

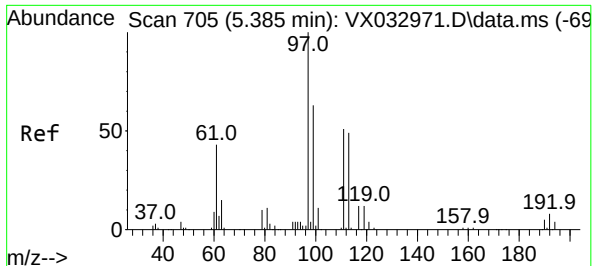
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.6

88 15.5 0.0 33.4

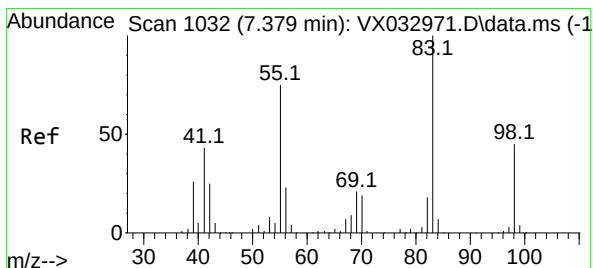
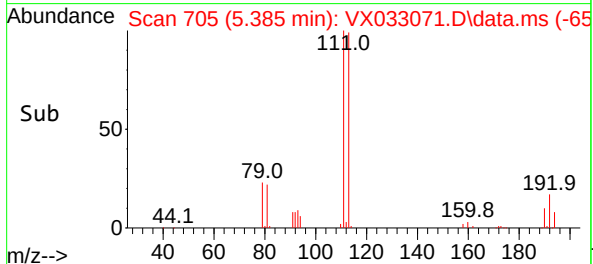
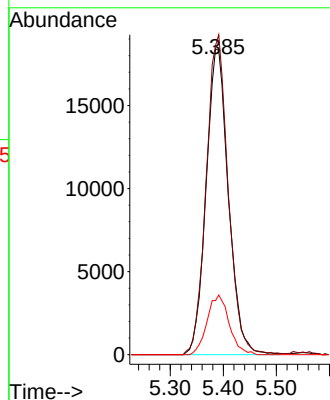
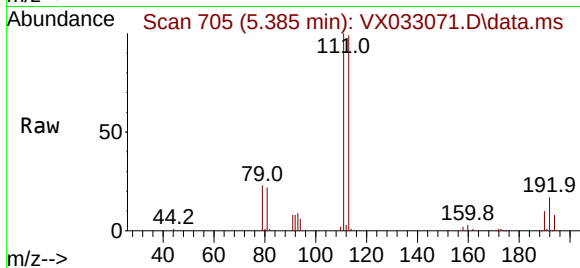




#35
Dibromofluoromethane
Concen: 45.032 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

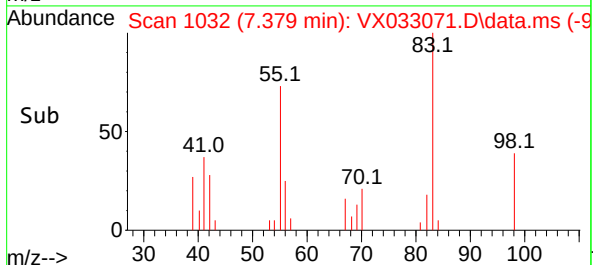
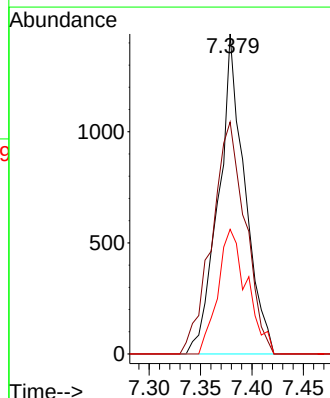
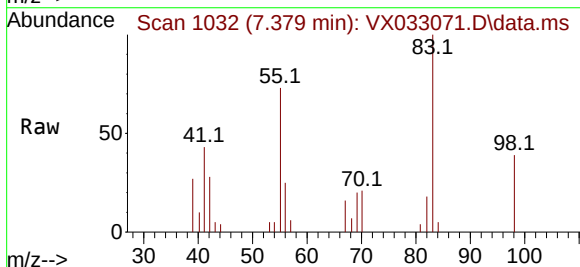
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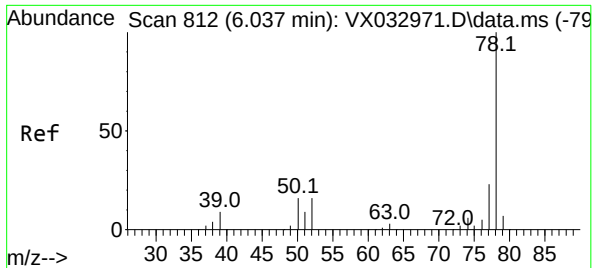
Tgt Ion:113 Resp: 53920
Ion Ratio Lower Upper
113 100
111 103.0 82.4 123.6
192 19.2 15.4 23.2



#39
Methylcyclohexane
Concen: 1.167 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Tgt Ion: 83 Resp: 2550
Ion Ratio Lower Upper
83 100
55 72.5 58.4 87.6
98 39.0 37.2 55.8

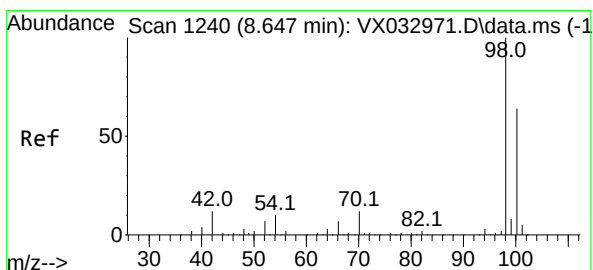
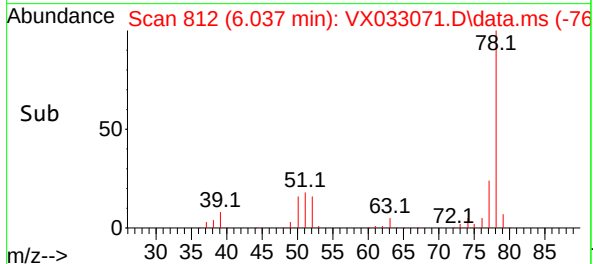
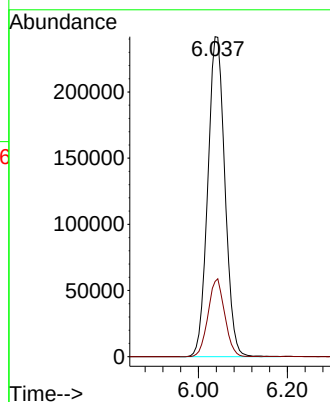
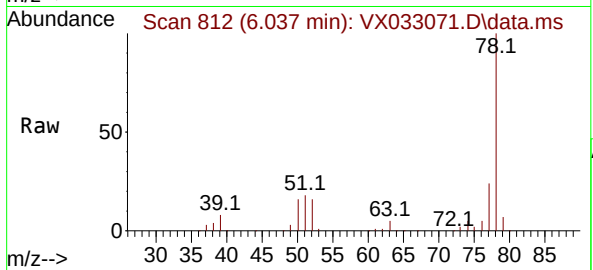




#40
Benzene
Concen: 120.548 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

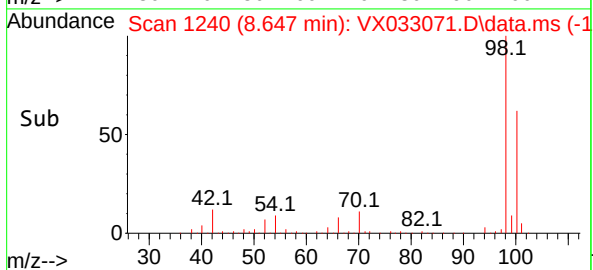
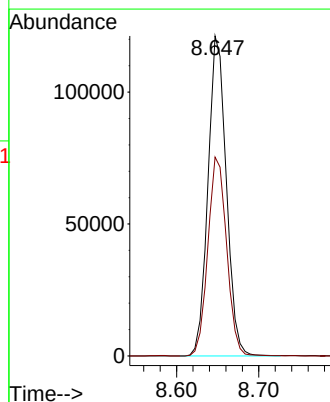
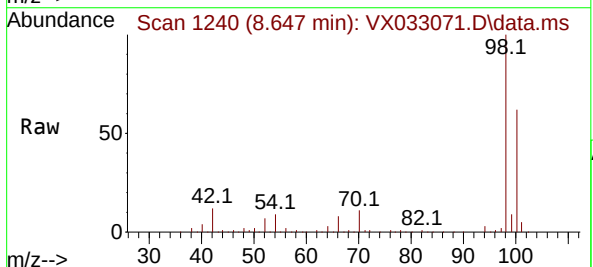
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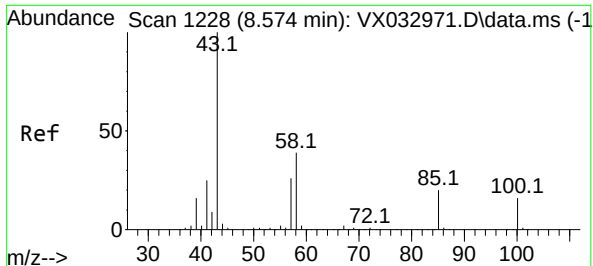
Tgt Ion: 78 Resp: 647096
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



#50
Toluene-d8
Concen: 52.123 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Tgt Ion: 98 Resp: 187451
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3

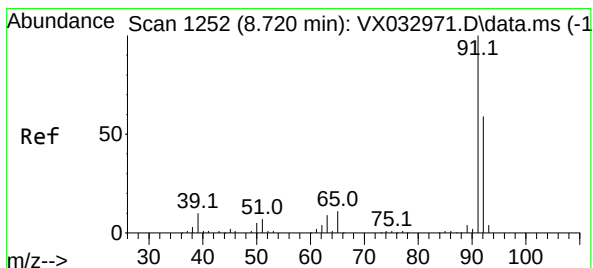
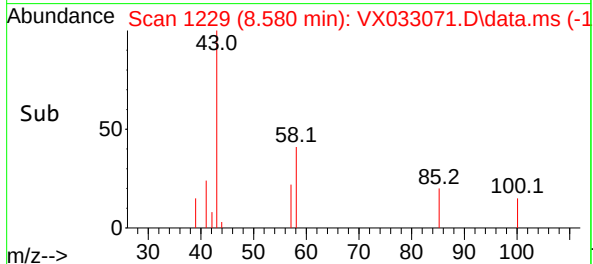
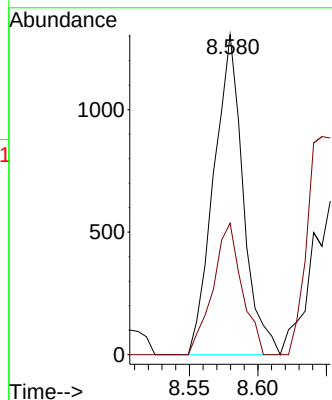
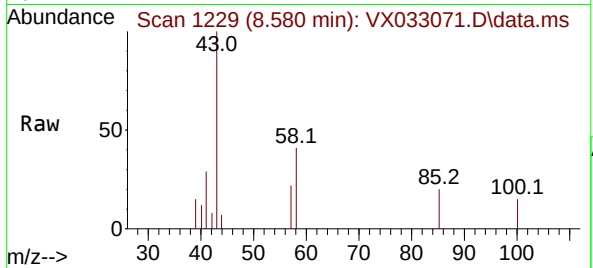




#51
4-Methyl-2-Pentanone
Concen: 1.142 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

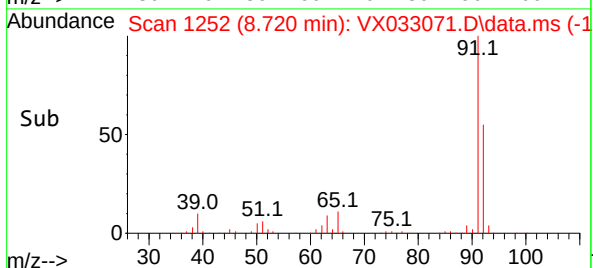
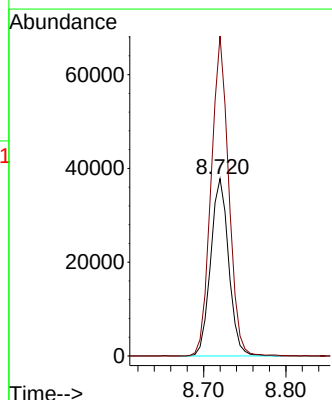
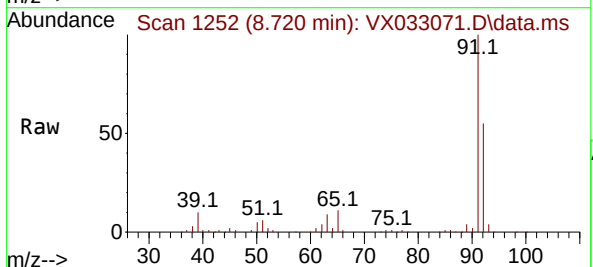
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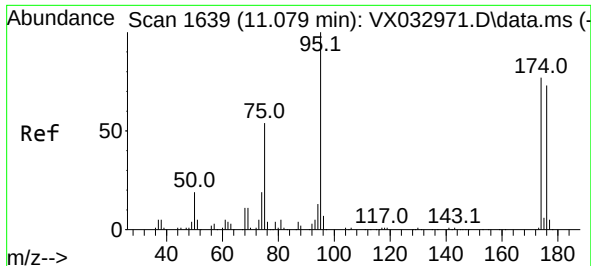
Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
58 40.7 30.9 46.3



#52
Toluene
Concen: 16.274 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Tgt Ion: 92 Resp: 57472
Ion Ratio Lower Upper
92 100
91 176.9 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 44.507 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033071.D

Acq: 25 Nov 2022 16:28

Instrument :

MSVOA_X

ClientSampleId :

MW-29

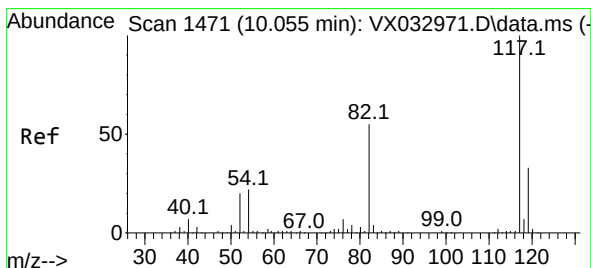
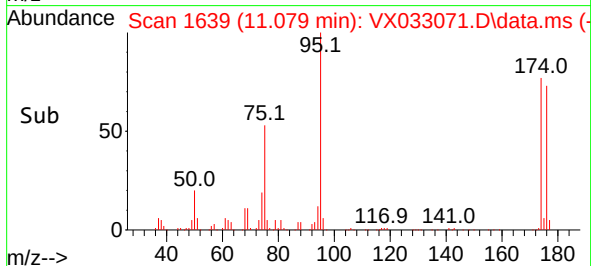
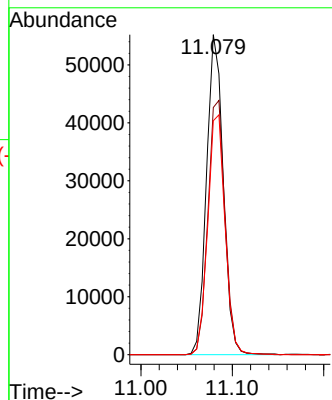
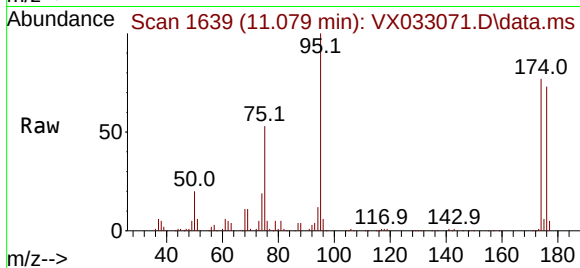
Tgt Ion: 95 Resp: 70003

Ion Ratio Lower Upper

95 100

174 81.9 0.0 164.0

176 77.6 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: VX033071.D

Acq: 25 Nov 2022 16:28

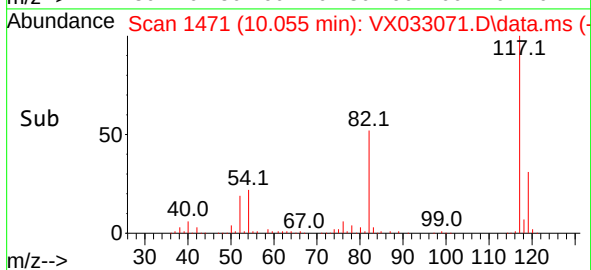
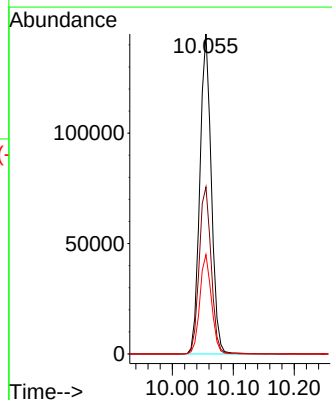
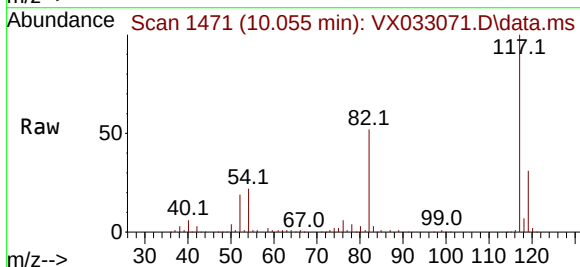
Tgt Ion: 117 Resp: 189394

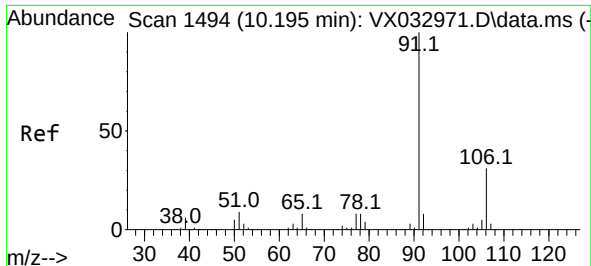
Ion Ratio Lower Upper

117 100

82 52.2 44.3 66.5

119 31.1 25.7 38.5





#67

Ethyl Benzene

Concen: 70.863 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX033071.D

Acq: 25 Nov 2022 16:28

Instrument :

MSVOA_X

ClientSampleId :

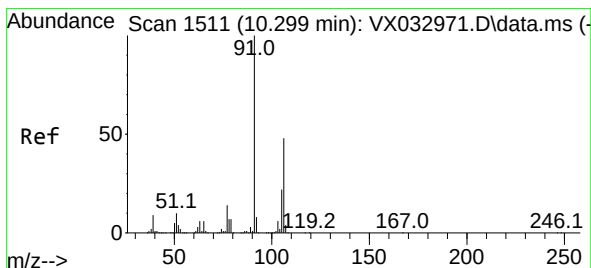
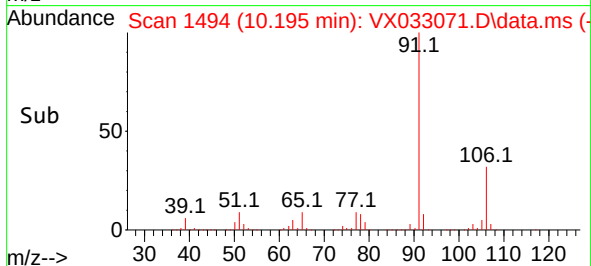
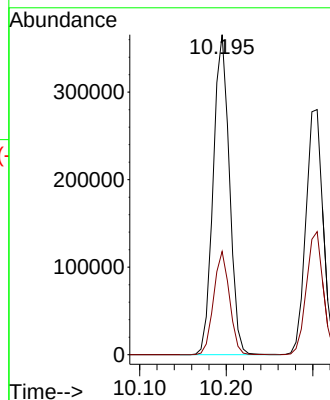
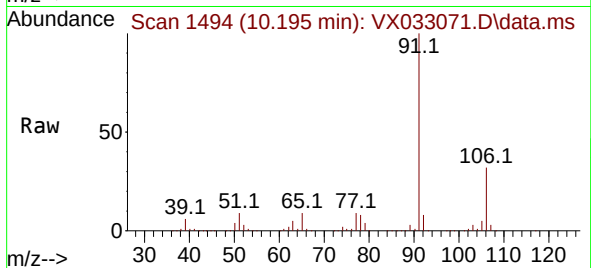
MW-29

Tgt Ion: 91 Resp: 474653

Ion Ratio Lower Upper

91 100

106 32.2 25.0 37.6



#68

m/p-Xylenes

Concen: 72.247 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX033071.D

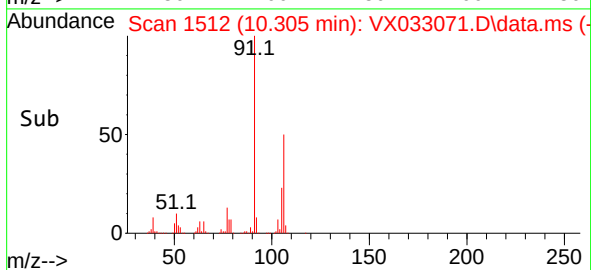
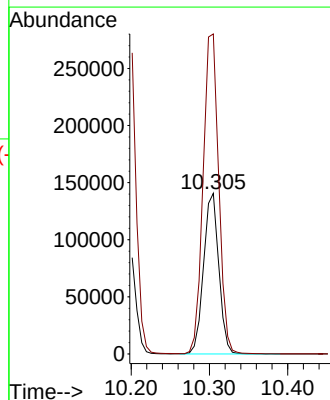
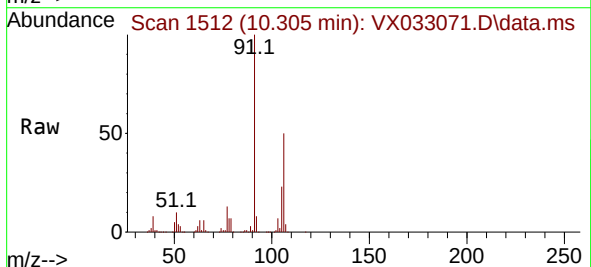
Acq: 25 Nov 2022 16:28

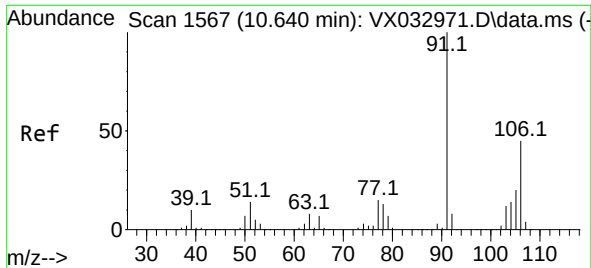
Tgt Ion: 106 Resp: 189499

Ion Ratio Lower Upper

106 100

91 204.5 164.5 246.7

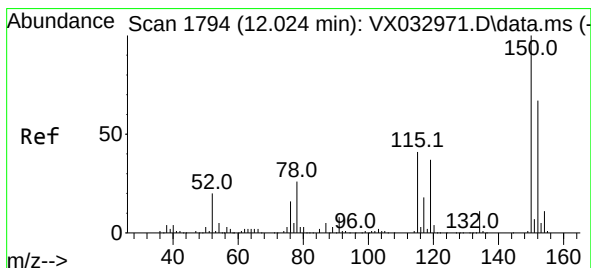
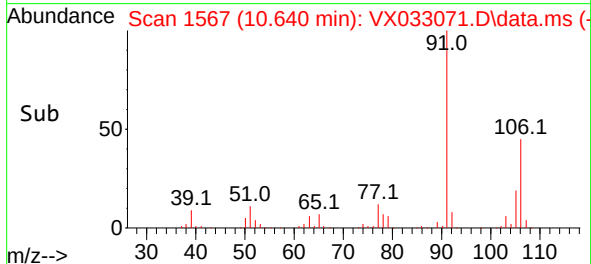
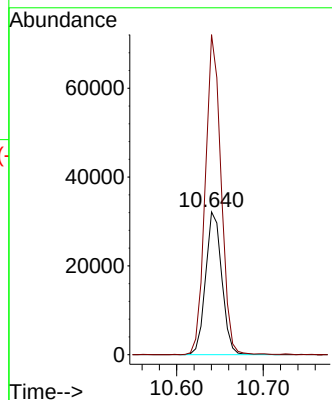
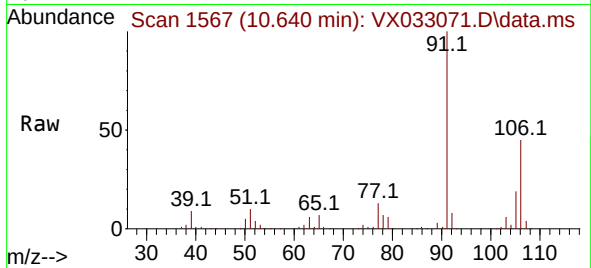




#69
o-Xylene
Concen: 16.447 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

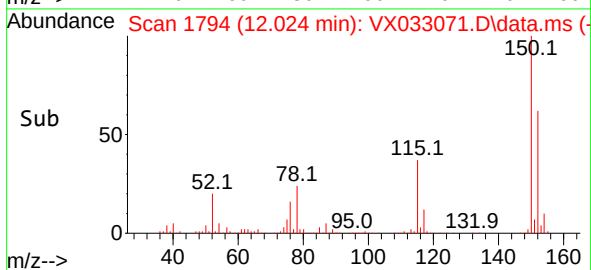
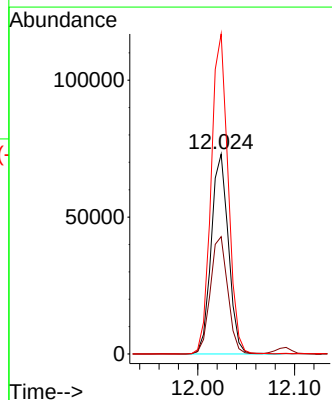
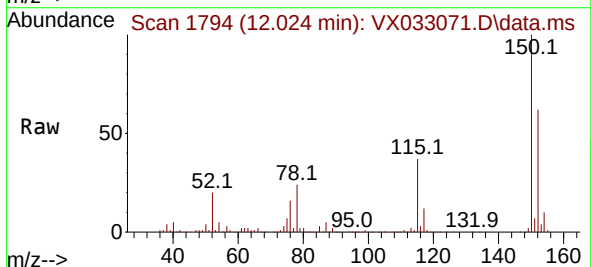
Instrument :
MSVOA_X
ClientSampleId :
MW-29

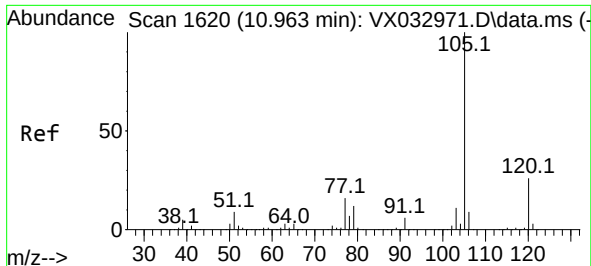
Tgt Ion:106 Resp: 41740
Ion Ratio Lower Upper
106 100
91 218.5 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Tgt Ion:152 Resp: 90265
Ion Ratio Lower Upper
152 100
115 59.5 44.0 132.0
150 157.8 0.0 351.8

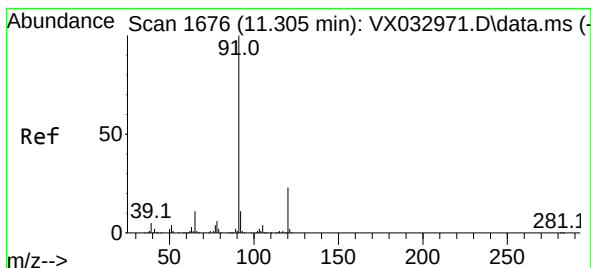
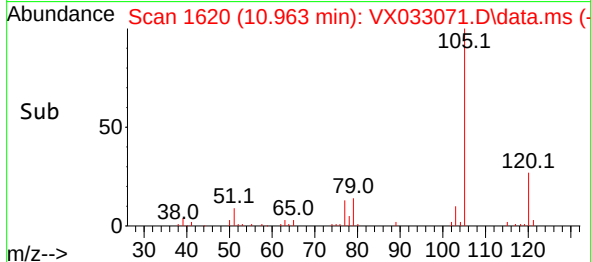
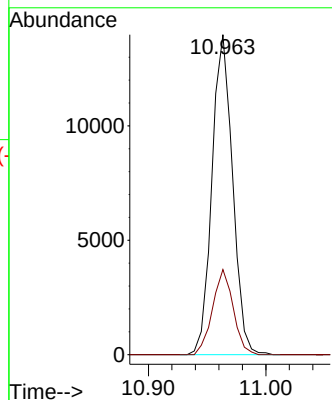
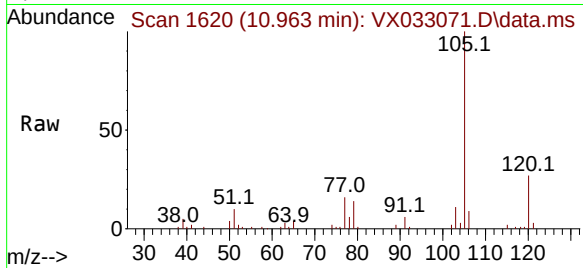




#73
Isopropylbenzene
Concen: 2.647 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

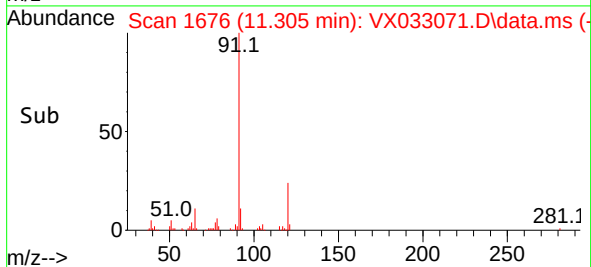
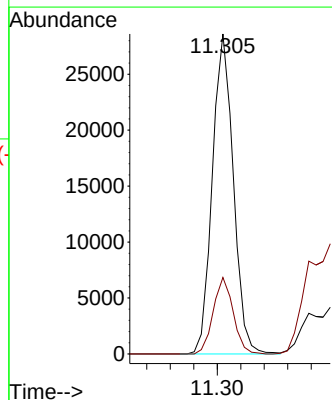
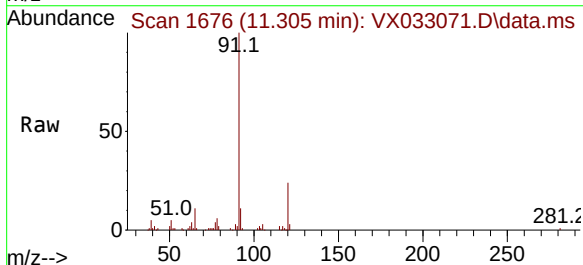
Instrument :
MSVOA_X
ClientSampleId :
MW-29

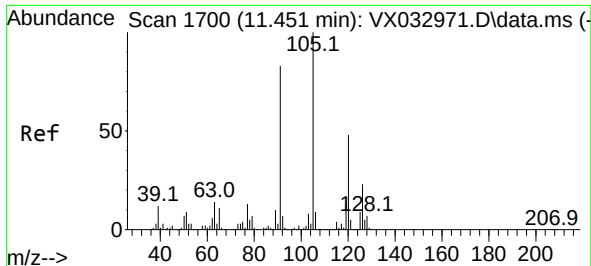
Tgt Ion:105 Resp: 17075
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.3



#78
n-propylbenzene
Concen: 4.813 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Tgt Ion: 91 Resp: 35494
Ion Ratio Lower Upper
91 100
120 22.7 11.6 34.8

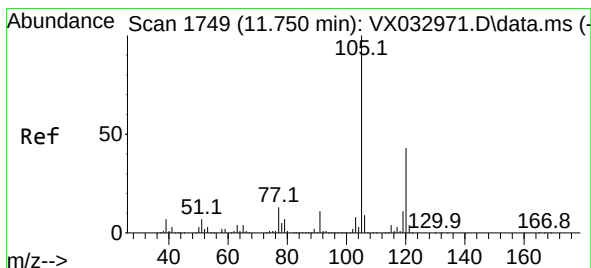
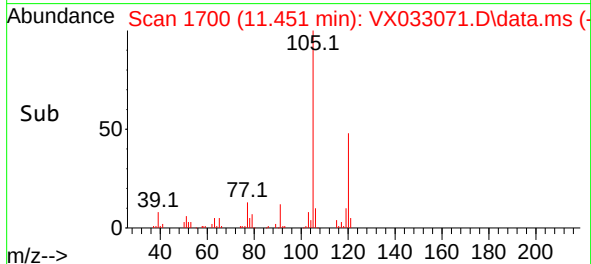
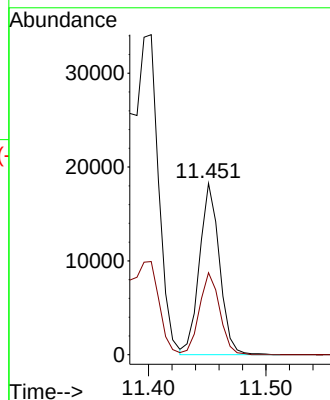
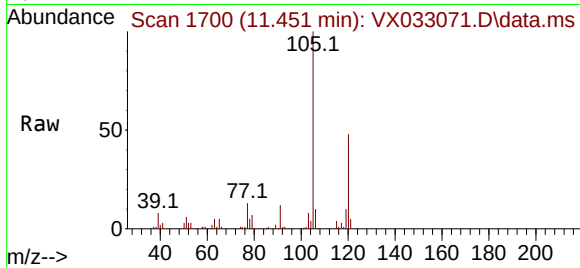




#80
 1,3,5-Trimethylbenzene
 Concen: 4.006 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX033071.D
 Acq: 25 Nov 2022 16:28

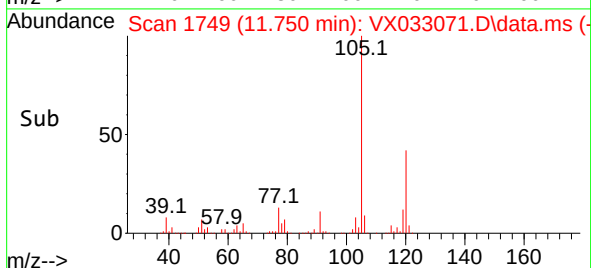
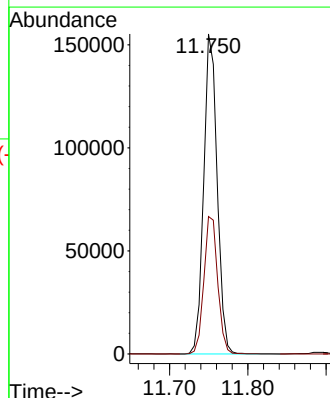
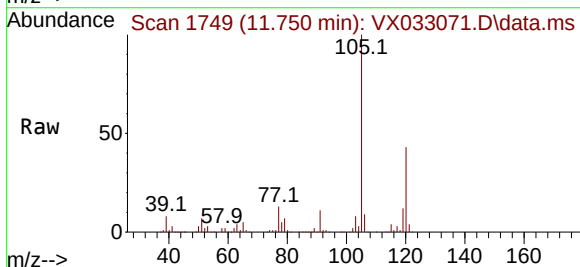
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-29

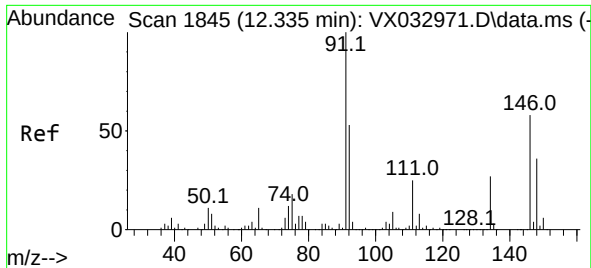
Tgt Ion:105 Resp: 21708
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.6 71.0



#84
 1,2,4-Trimethylbenzene
 Concen: 34.297 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX033071.D
 Acq: 25 Nov 2022 16:28

Tgt Ion:105 Resp: 185310
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.5

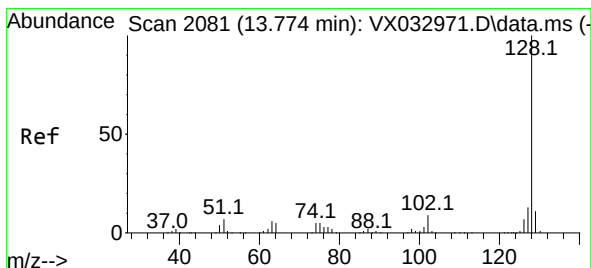
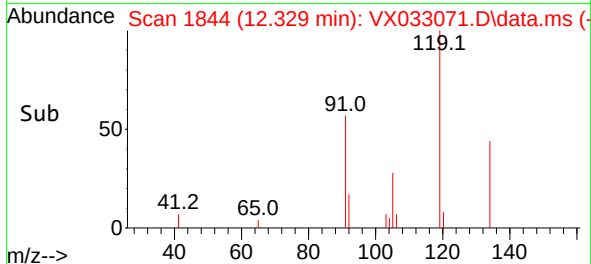
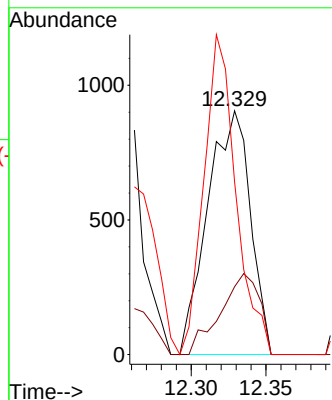
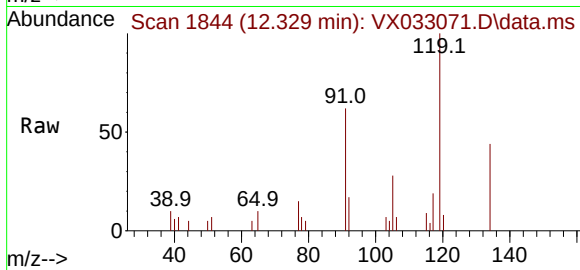




#89
n-Butylbenzene
Concen: 0.382 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Instrument :
MSVOA_X
ClientSampleId :
MW-29

Tgt Ion: 91 Resp: 1799
Ion Ratio Lower Upper
91 100
92 30.4 26.2 78.6
134 98.4 12.9 38.6#



#95
Naphthalene
Concen: 14.239 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX033071.D
Acq: 25 Nov 2022 16:28

Tgt Ion: 128 Resp: 82189
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.8 8.9 13.3

