

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
 Data File : VX033075.D
 Acq On : 25 Nov 2022 18:00
 Operator : JC/MD
 Sample : N5747-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38D

Quant Time: Nov 28 00:50:09 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)

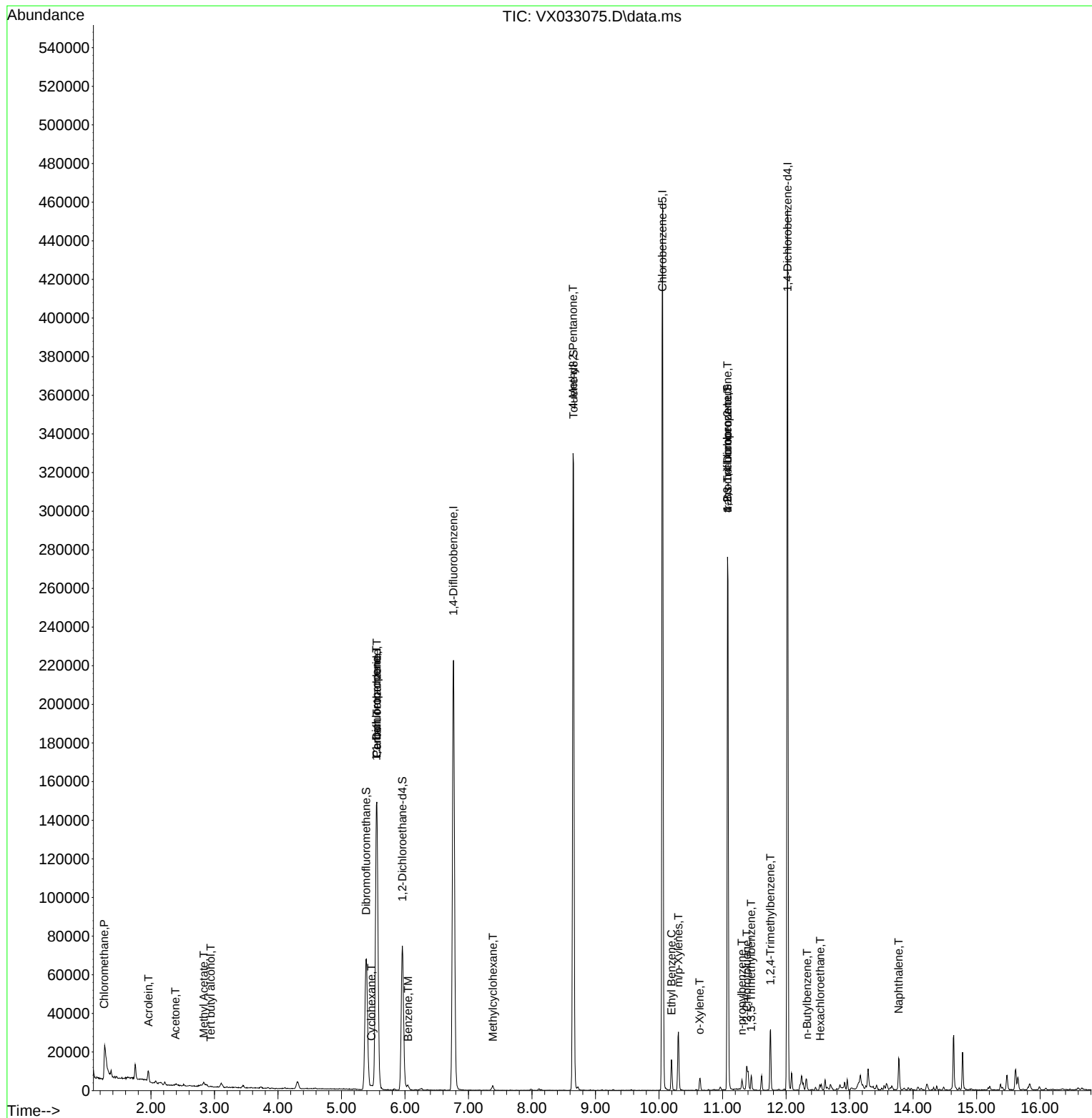
Internal Standards						
1) Pentafluorobenzene	5.556	168	143421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74220	53.158	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.320%	
35) Dibromofluoromethane	5.385	113	60417	46.844	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.680%	
50) Toluene-d8	8.653	98	200073	51.628	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.260%	
62) 4-Bromofluorobenzene	11.079	95	71980	42.486	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 84.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	288	0.243	ug/l #	43
11) Tert butyl alcohol	2.940	59	248	1.120	ug/l #	72
13) Acrolein	1.959	56	91	0.358	ug/l #	1
16) Acetone	2.386	43	962	1.475	ug/l	99
18) Methyl Acetate	2.831	43	1914	1.060	ug/l #	51
20) Methylene Chloride	2.800	84	70	Below Cal	#	45
31) Cyclohexane	5.470	56	1427	0.631	ug/l	94
36) 1,1-Dichloropropene	5.550	75	11057	5.362	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15122	6.610	ug/l #	15
39) Methylcyclohexane	7.385	83	1136	0.483	ug/l #	79
40) Benzene	6.050	78	2835	0.490	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	947	0.516	ug/l #	1
67) Ethyl Benzene	10.195	91	8852	1.251	ug/l	97
68) m/p-Xylenes	10.305	106	7419	2.677	ug/l	97
69) o-Xylene	10.640	106	1423	0.531	ug/l	82
76) 1,2,3-Trichloropropane	11.079	75	39323	22.422	ug/l #	37
78) n-propylbenzene	11.305	91	3295	0.436	ug/l	94
79) 2-Chlorotoluene	11.384	91	1407	0.306	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	3650	0.657	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	39323	72.882	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	14510	2.618	ug/l	99
89) n-Butylbenzene	12.329	91	1017	0.210	ug/l #	39
90) Hexachloroethane	12.536	117	239	0.259	ug/l #	12
95) Naphthalene	13.774	128	11946	2.017	ug/l	99

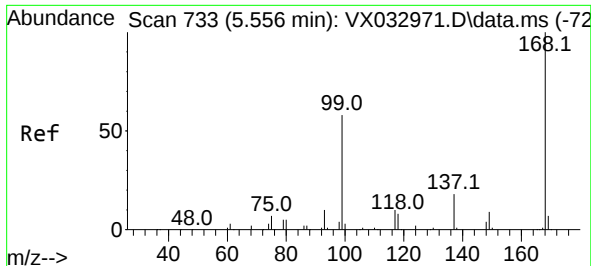
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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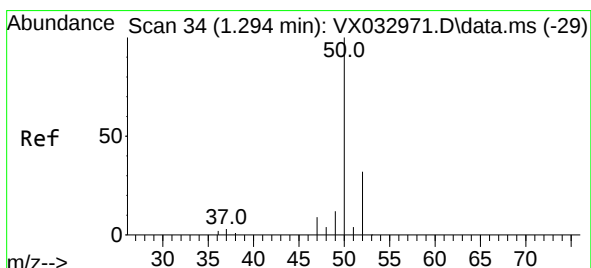
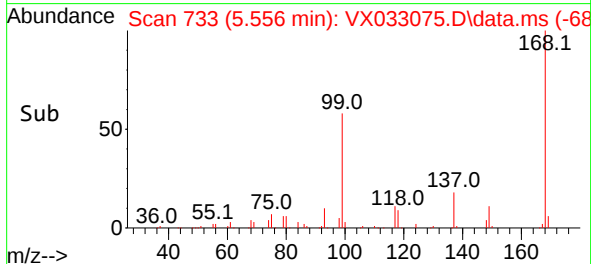
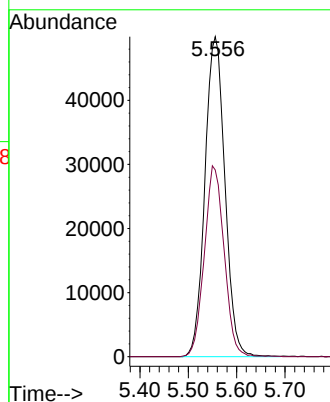
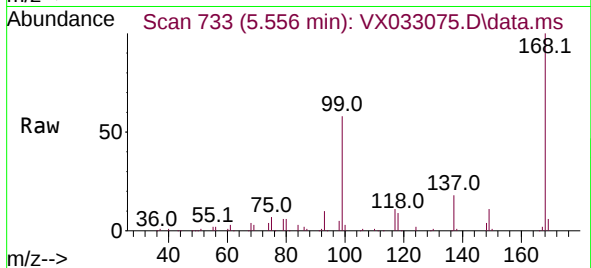




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

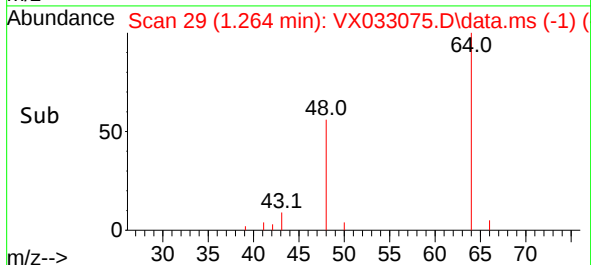
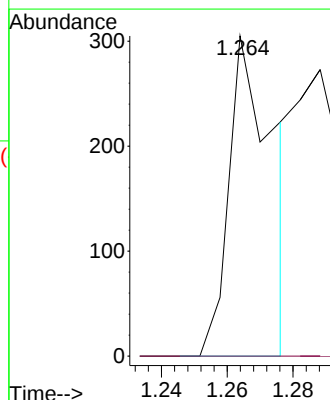
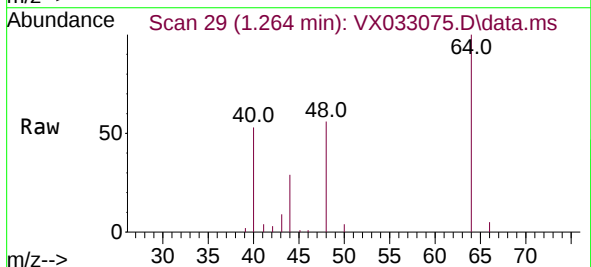
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

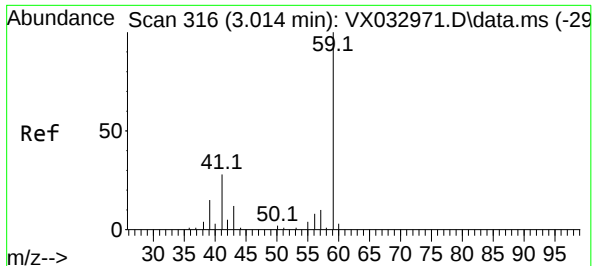
Tgt Ion:168 Resp: 143421
Ion Ratio Lower Upper
168 100
99 58.4 46.1 69.1



#3
Chloromethane
Concen: 0.243 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.030 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion: 50 Resp: 288
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

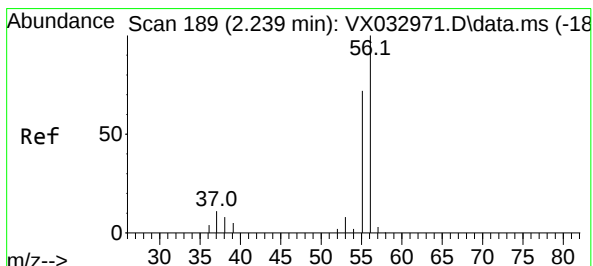
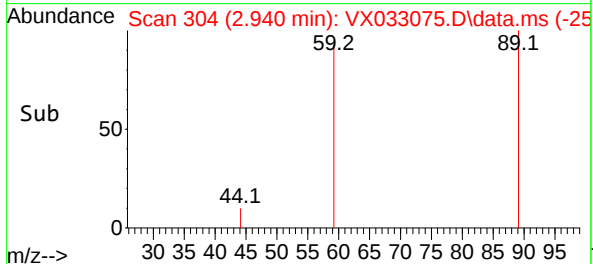
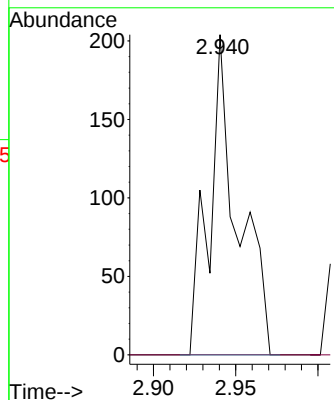
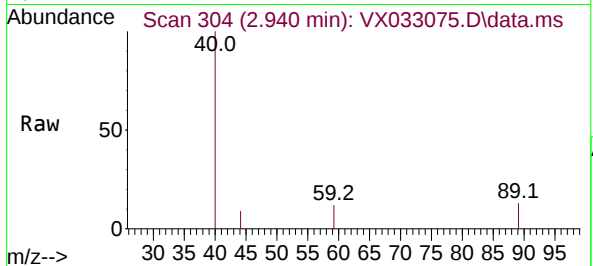




#11
Tert butyl alcohol
Concen: 1.120 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

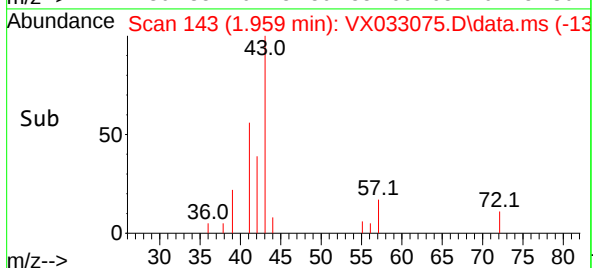
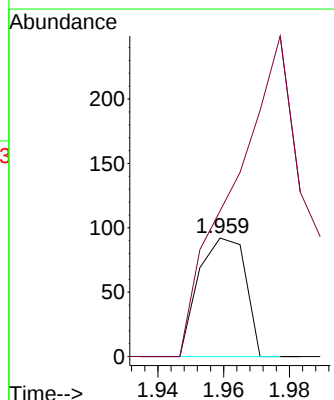
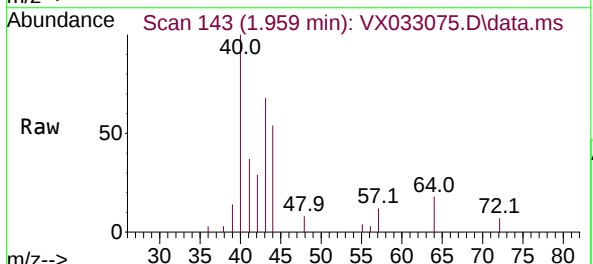
Instrument :
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ClientSampleId :
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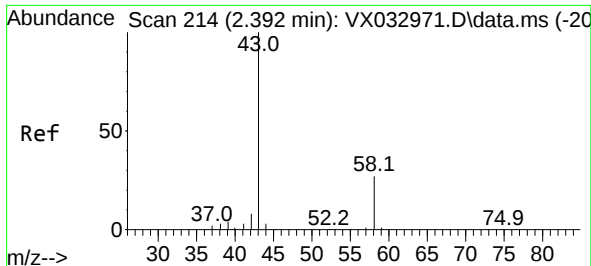
Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.358 ug/l
RT: 1.959 min Scan# 143
Delta R.T. -0.274 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 427.5 56.9 85.3#

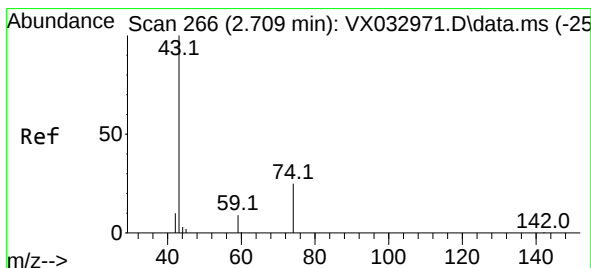
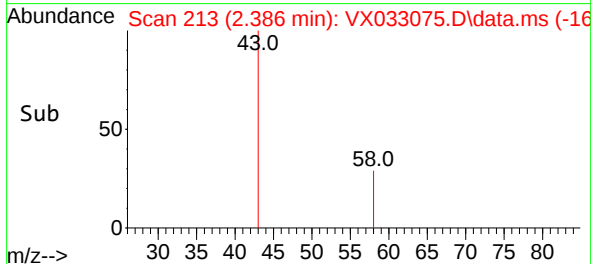
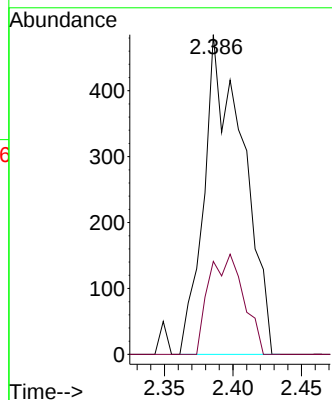
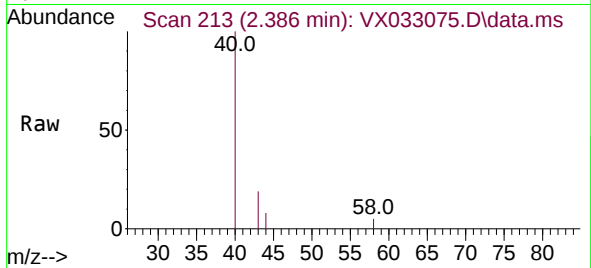




#16
Acetone
Concen: 1.475 ug/l
RT: 2.386 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

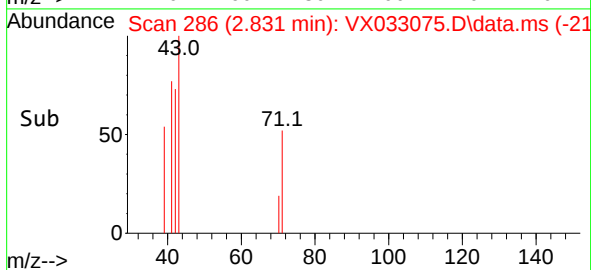
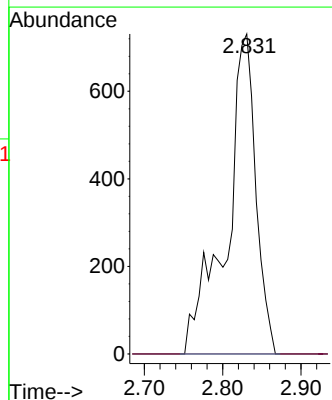
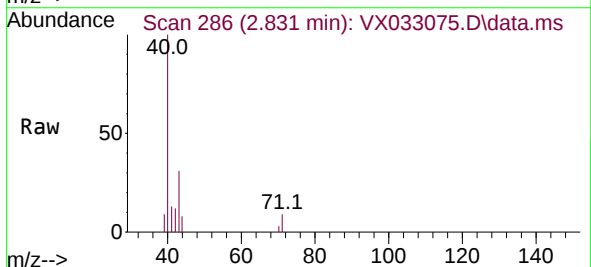
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

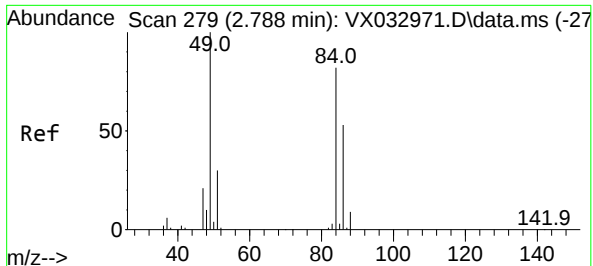
Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 29.1 23.8 35.8



#18
Methyl Acetate
Concen: 1.060 ug/l
RT: 2.831 min Scan# 286
Delta R.T. 0.128 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#

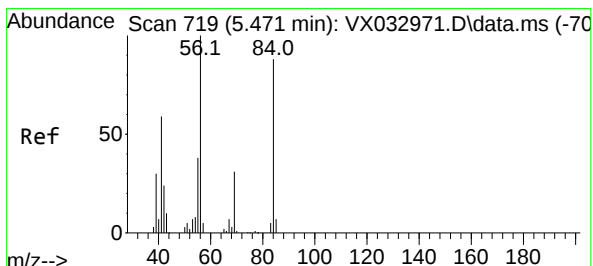
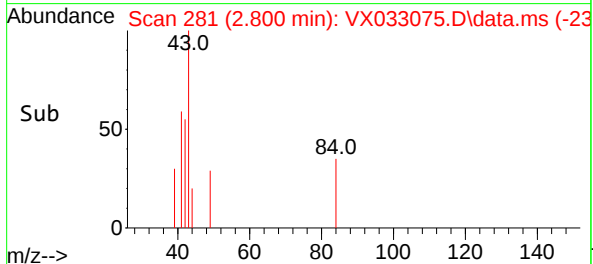
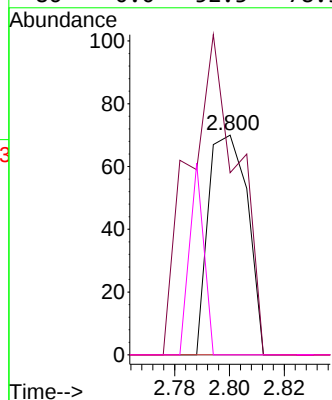
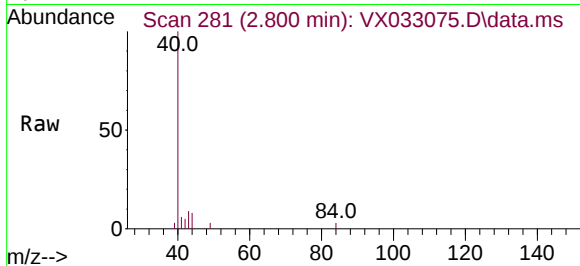




#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

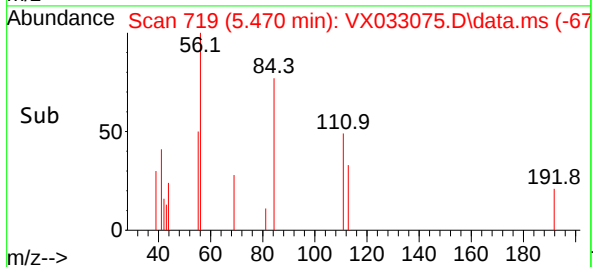
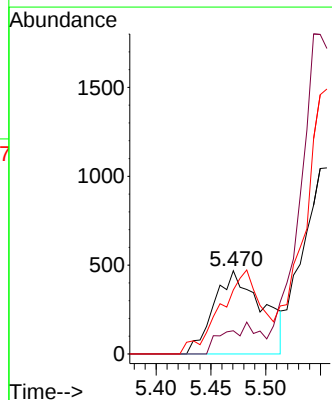
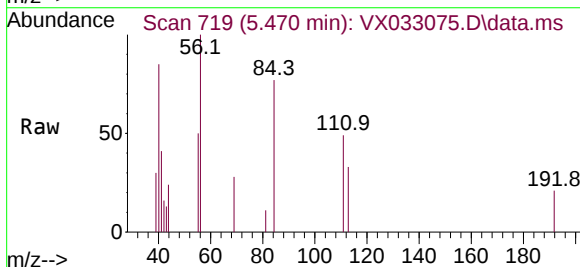
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

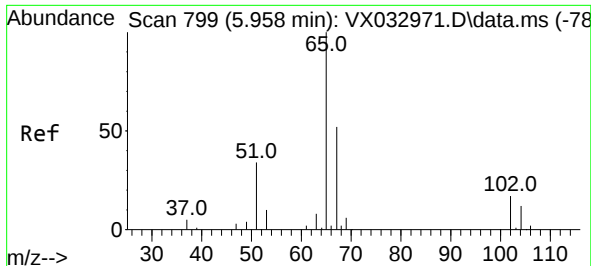
Tgt Ion:	84	Resp:	70
Ion	Ratio	Lower	Upper
84	100		
49	82.9	101.0	151.6#
51	0.0	31.1	46.7#
86	0.0	52.3	78.5#



#31
Cyclohexane
Concen: 0.631 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion:	56	Resp:	1427
Ion	Ratio	Lower	Upper
56	100		
69	28.0	24.1	36.1
84	76.9	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 53.158 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033075.D

Acq: 25 Nov 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

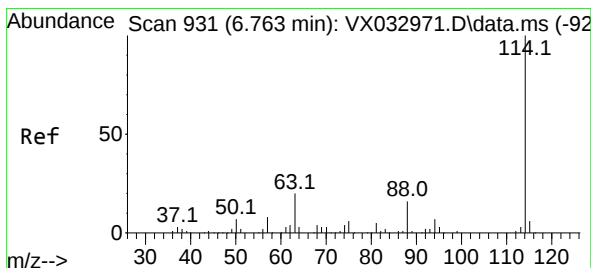
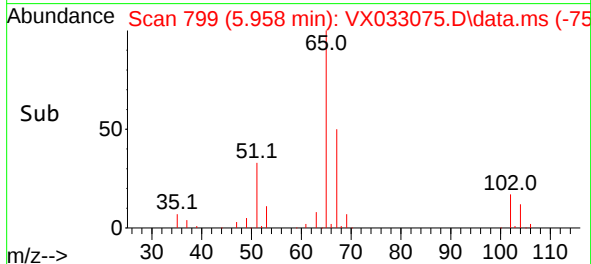
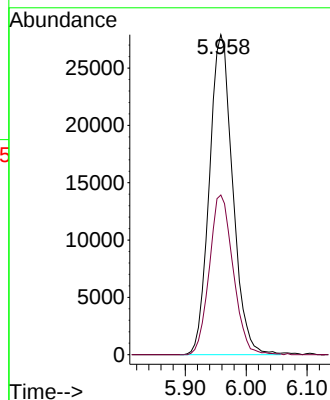
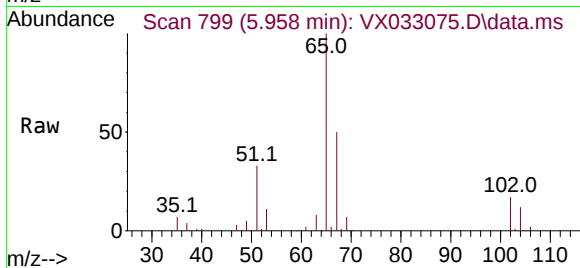
MW-38D

Tgt Ion: 65 Resp: 74220

Ion Ratio Lower Upper

65 100

67 50.9 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: VX033075.D

Acq: 25 Nov 2022 18:00

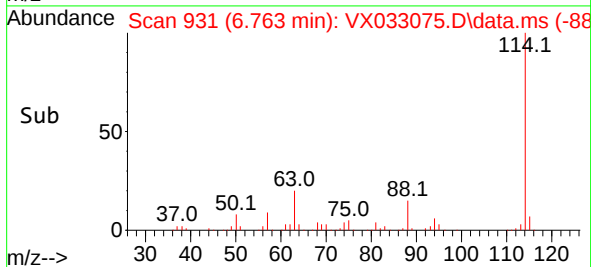
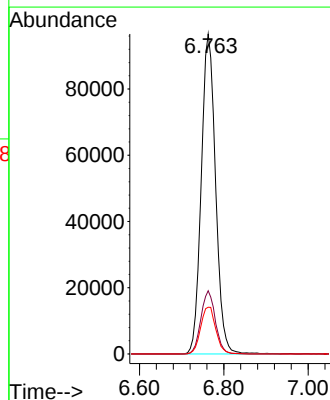
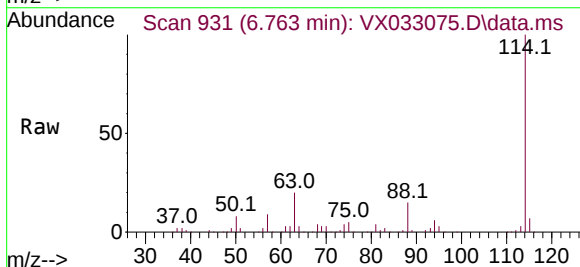
Tgt Ion: 114 Resp: 228774

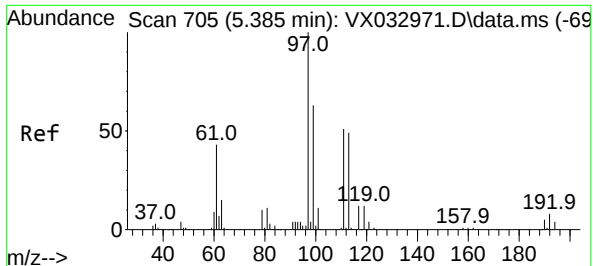
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 14.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.844 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033075.D

Acq: 25 Nov 2022 18:00

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ClientSampleId :

MW-38D

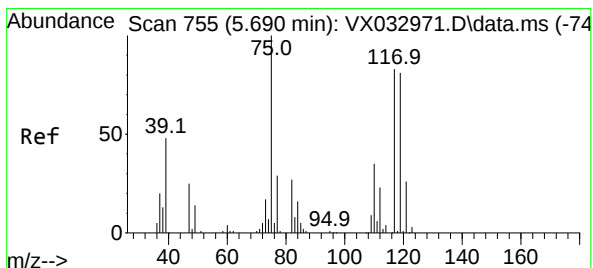
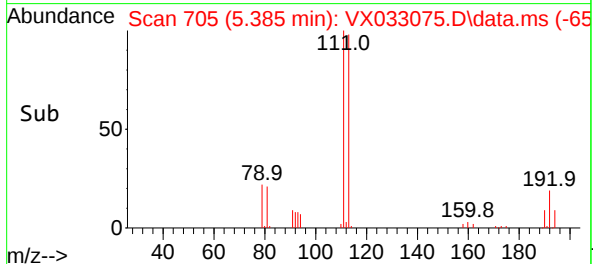
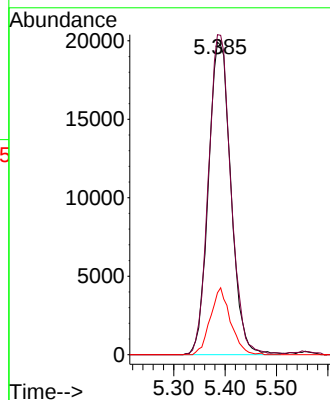
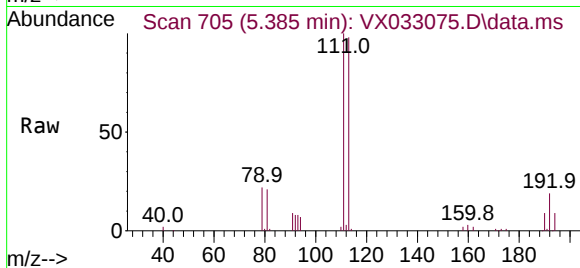
Tgt Ion:113 Resp: 60417

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 19.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.362 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033075.D

Acq: 25 Nov 2022 18:00

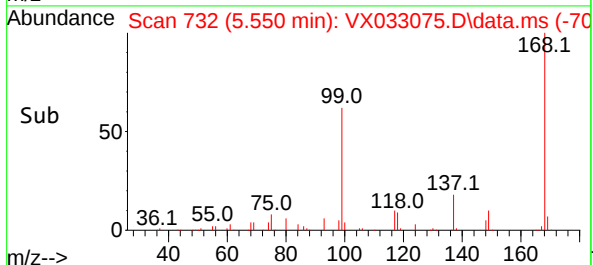
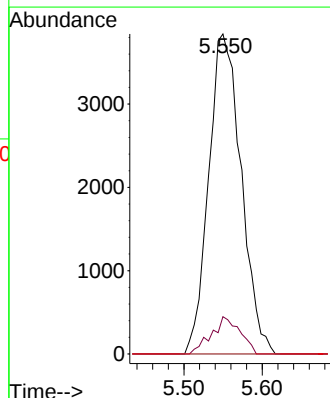
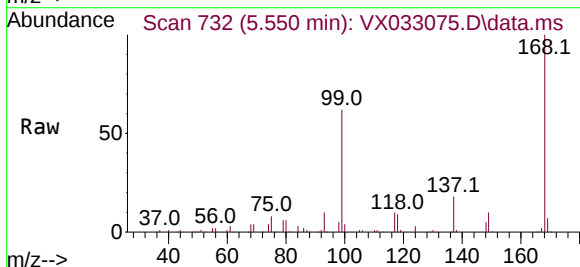
Tgt Ion: 75 Resp: 11057

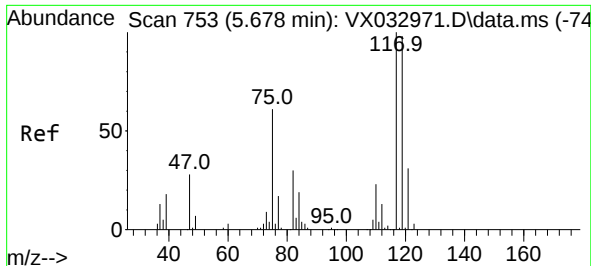
Ion Ratio Lower Upper

75 100

110 10.2 18.4 55.2#

77 0.0 24.5 36.7#

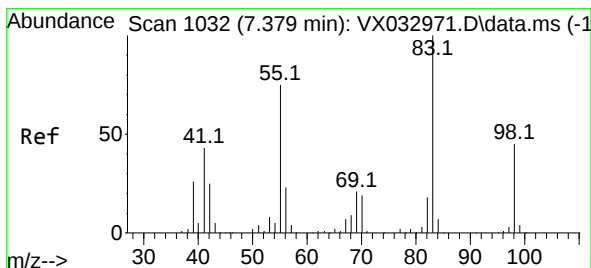
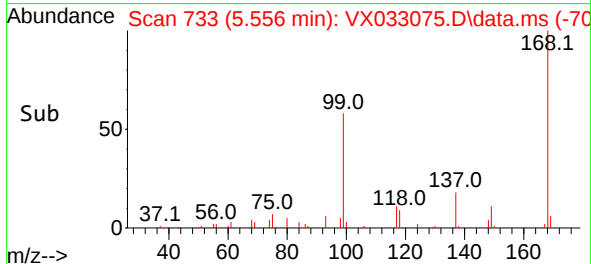
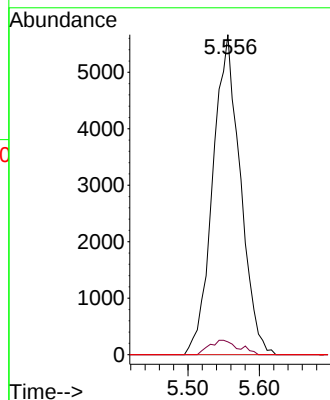
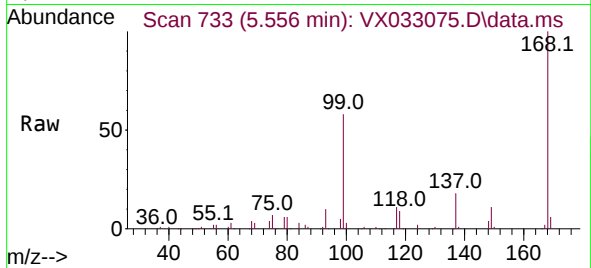




#38
Carbon Tetrachloride
Concen: 6.610 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

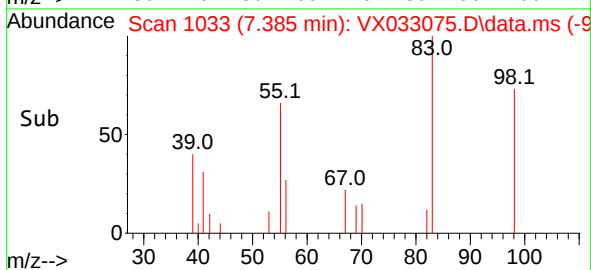
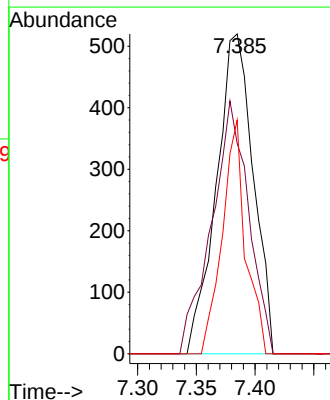
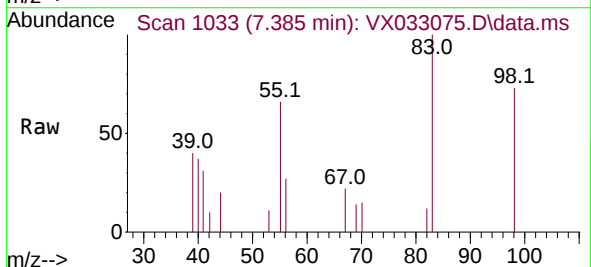
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

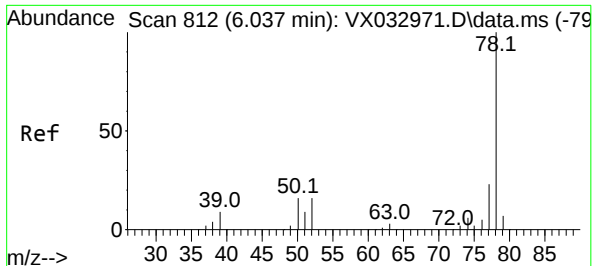
Tgt Ion:117 Resp: 15122
Ion Ratio Lower Upper
117 100
119 4.0 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 0.483 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion: 83 Resp: 1136
Ion Ratio Lower Upper
83 100
55 65.8 58.4 87.6
98 73.1 37.2 55.8#





#40

Benzene

Concen: 0.490 ug/l

RT: 6.050 min Scan# 81

Delta R.T. 0.013 min

Lab File: VX033075.D

Acq: 25 Nov 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

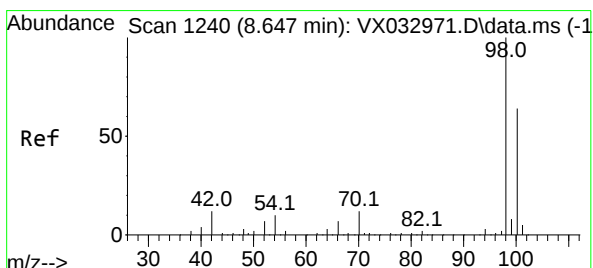
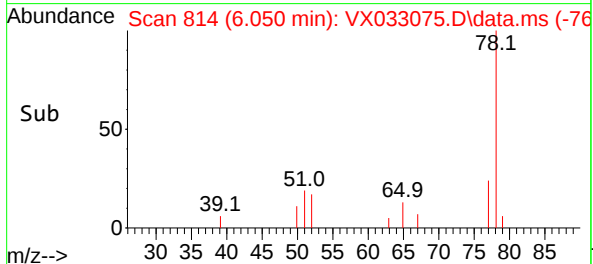
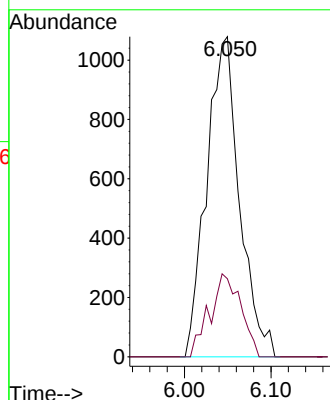
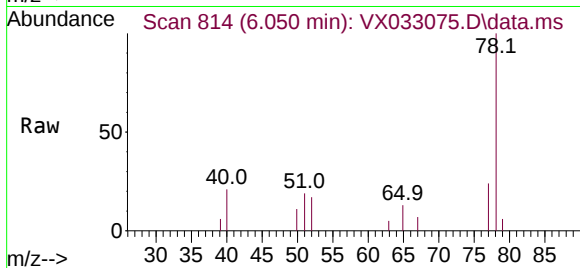
MW-38D

Tgt Ion: 78 Resp: 2835

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.4



#50

Toluene-d8

Concen: 51.628 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX033075.D

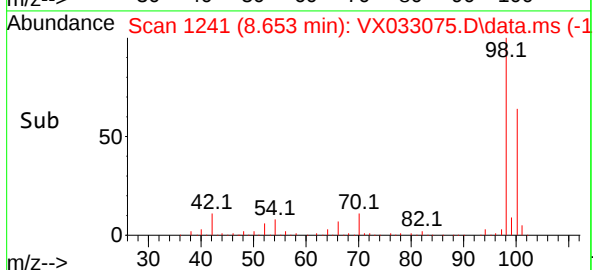
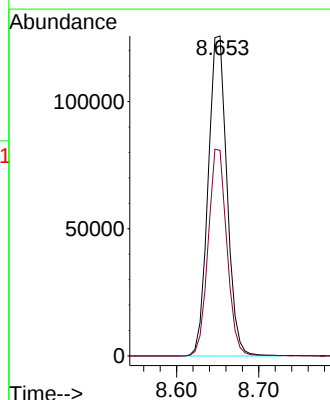
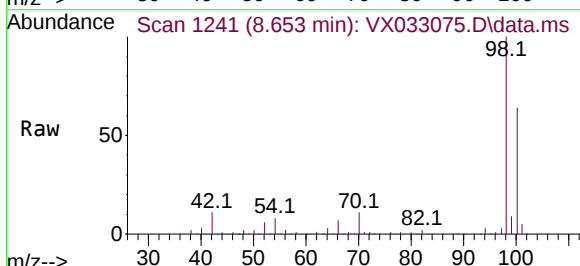
Acq: 25 Nov 2022 18:00

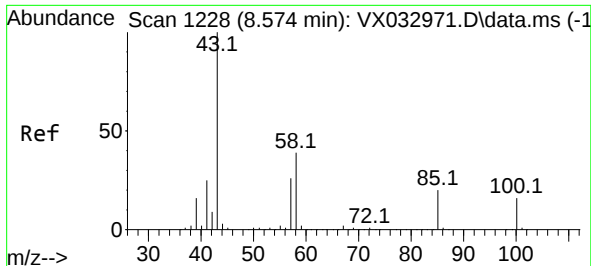
Tgt Ion: 98 Resp: 200073

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3

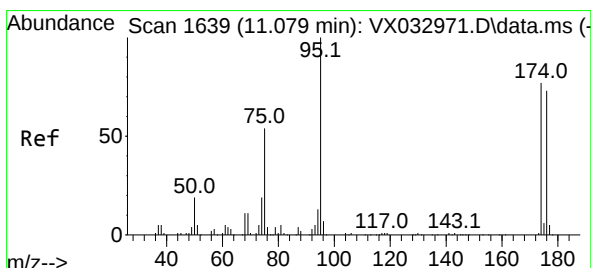
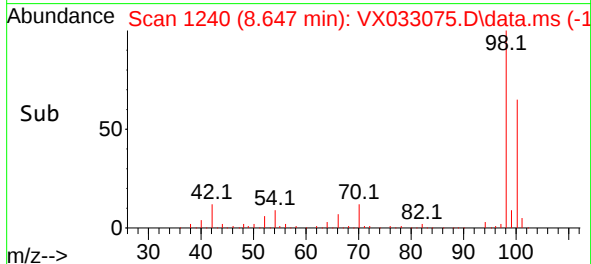
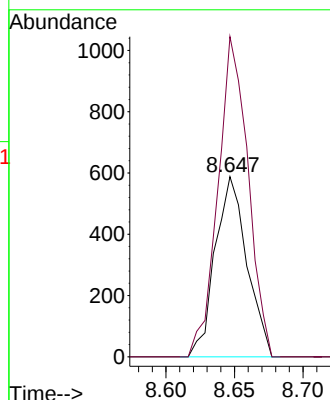
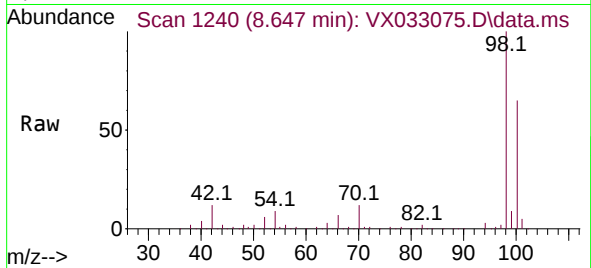




#51
4-Methyl-2-Pentanone
Concen: 0.516 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

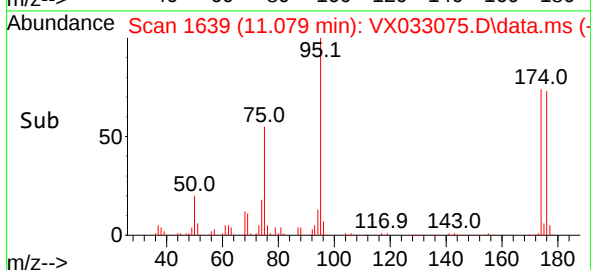
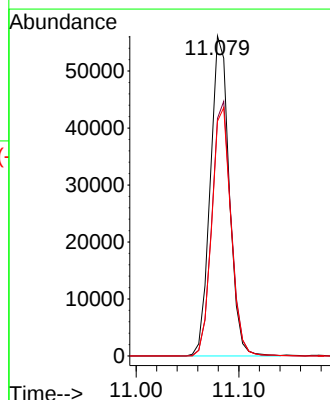
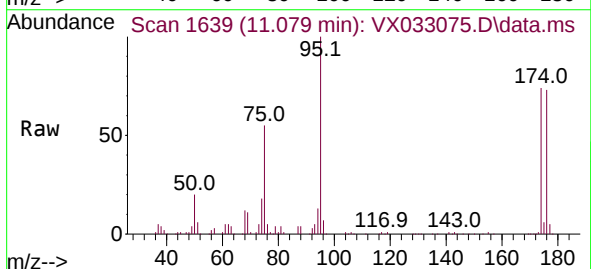
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

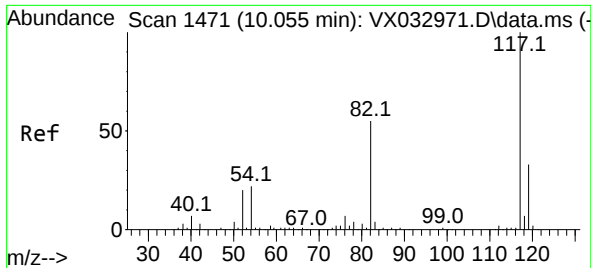
Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
58 168.3 30.9 46.3#



#62
4-Bromofluorobenzene
Concen: 42.486 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion: 95 Resp: 71980
Ion Ratio Lower Upper
95 100
174 80.1 0.0 164.0
176 78.6 0.0 154.4

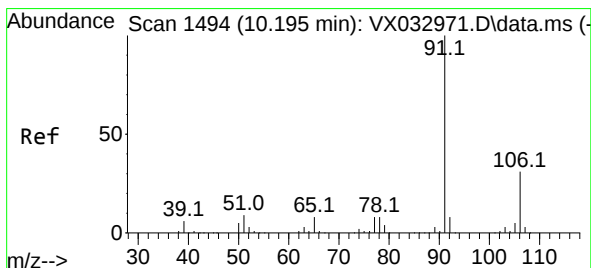
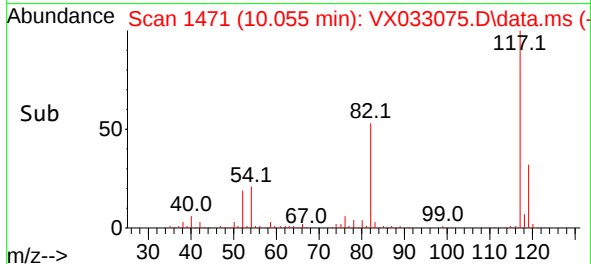
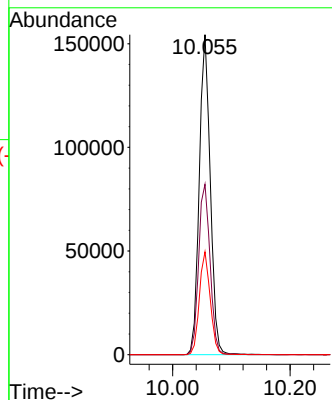
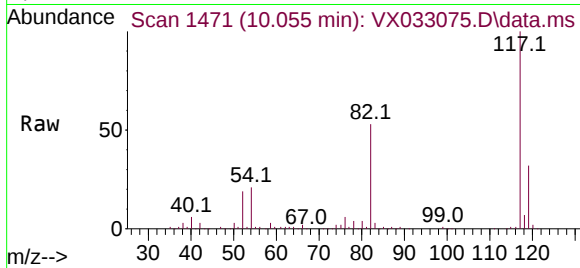




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

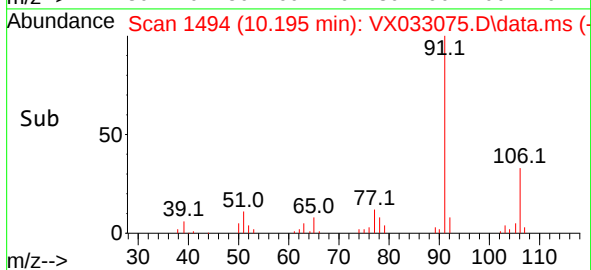
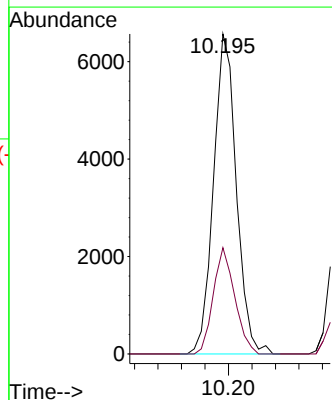
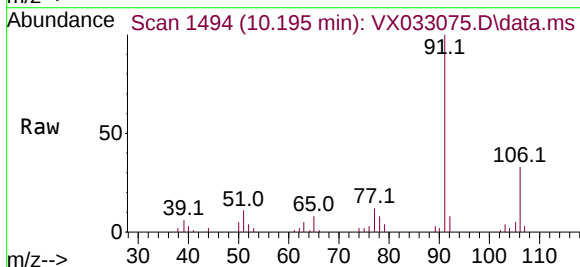
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

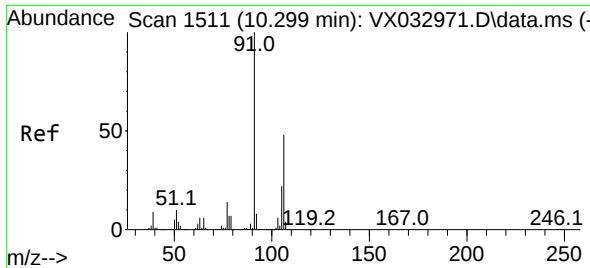
Tgt Ion:117 Resp: 200086
Ion Ratio Lower Upper
117 100
82 53.2 44.3 66.5
119 32.2 25.7 38.5



#67
Ethyl Benzene
Concen: 1.251 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion: 91 Resp: 8852
Ion Ratio Lower Upper
91 100
106 33.2 25.0 37.6

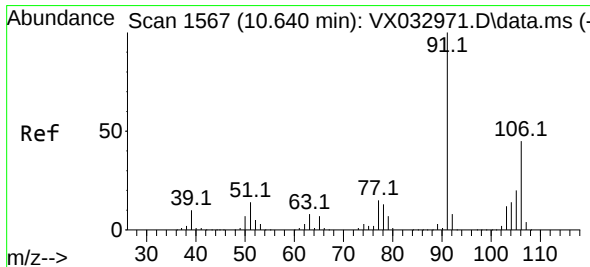
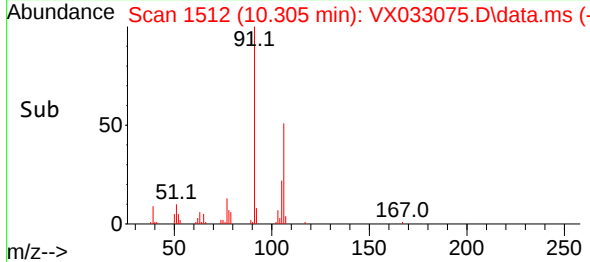
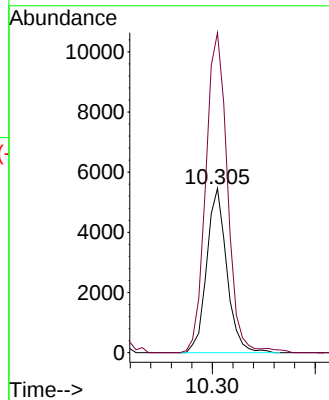
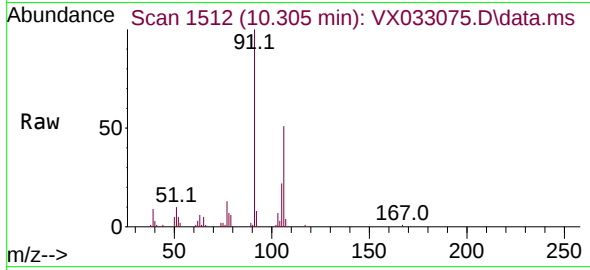




#68
m/p-Xylenes
Concen: 2.677 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

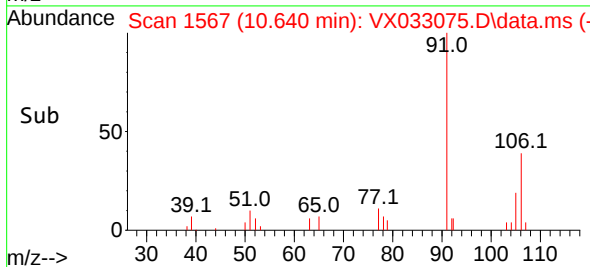
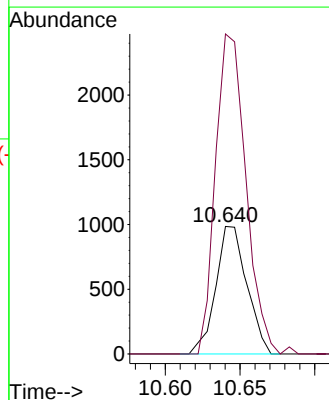
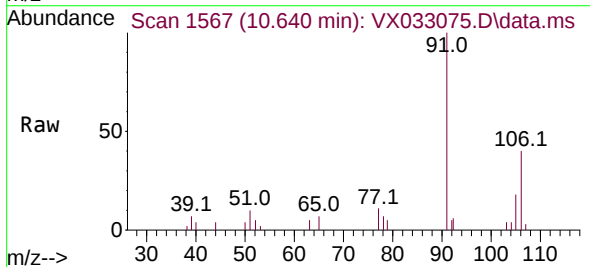
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

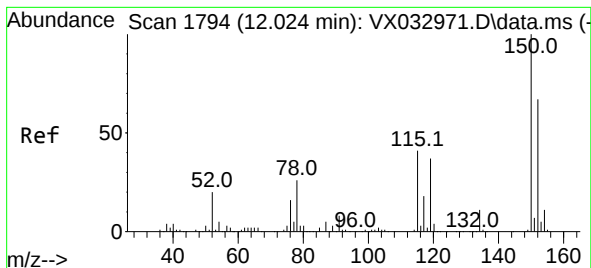
Tgt Ion:106 Resp: 7419
Ion Ratio Lower Upper
106 100
91 210.1 164.5 246.7



#69
o-Xylene
Concen: 0.531 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion:106 Resp: 1423
Ion Ratio Lower Upper
106 100
91 246.9 109.2 327.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033075.D

Acq: 25 Nov 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

MW-38D

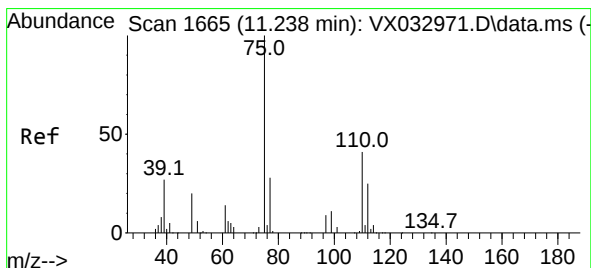
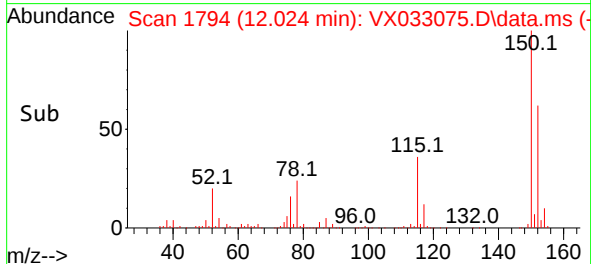
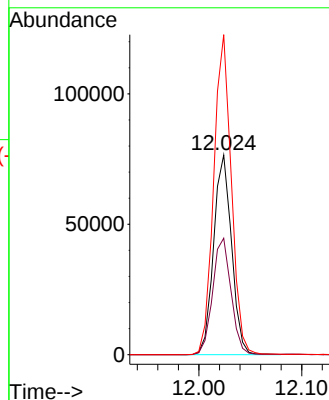
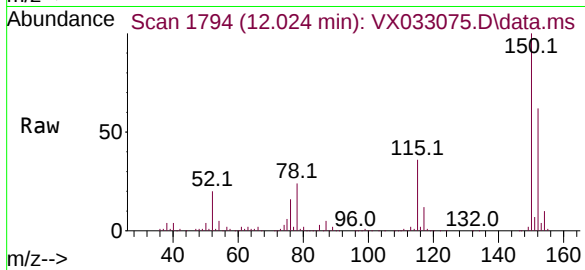
Tgt Ion:152 Resp: 92604

Ion Ratio Lower Upper

152 100

115 59.8 44.0 132.0

150 157.3 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 22.422 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033075.D

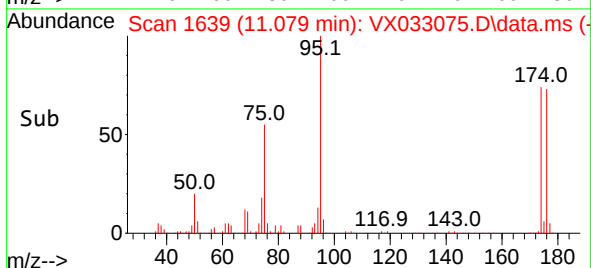
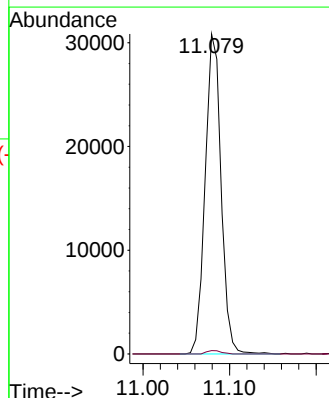
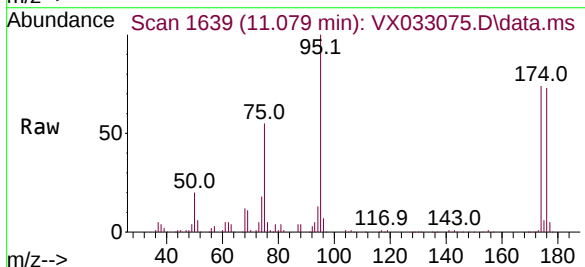
Acq: 25 Nov 2022 18:00

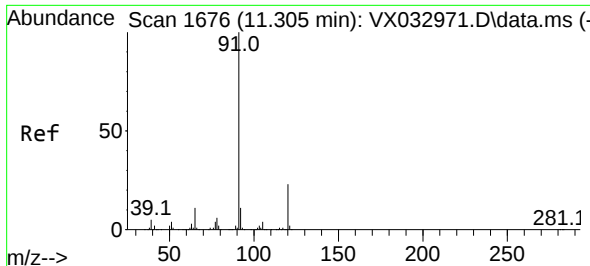
Tgt Ion: 75 Resp: 39323

Ion Ratio Lower Upper

75 100

77 1.0 20.0 60.0#

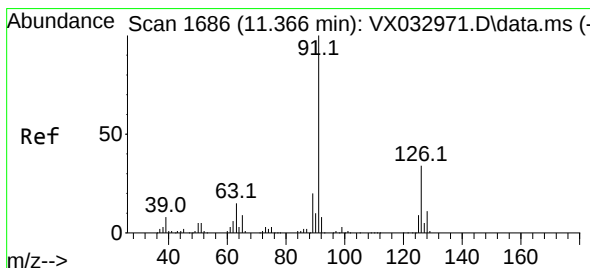
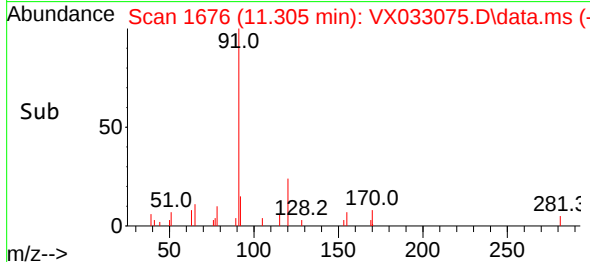
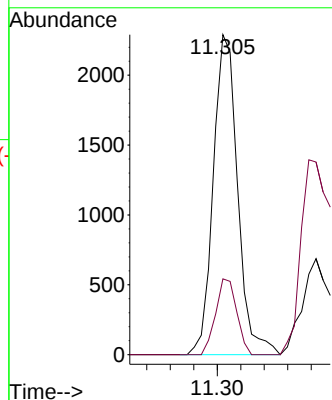
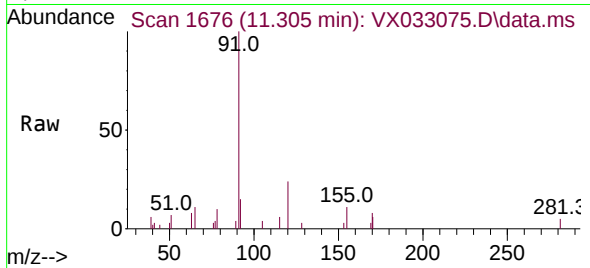




#78
n-propylbenzene
Concen: 0.436 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

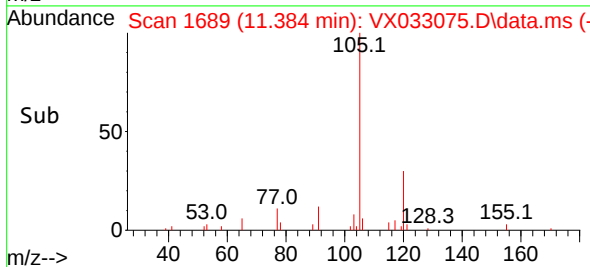
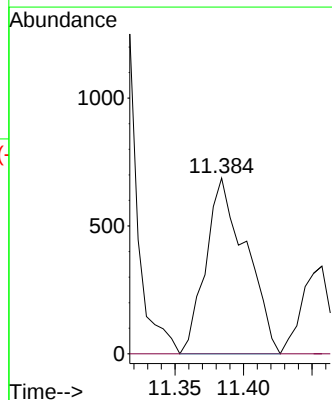
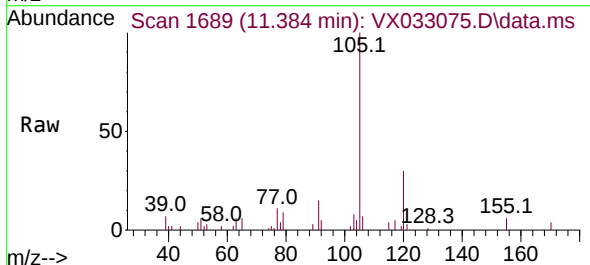
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

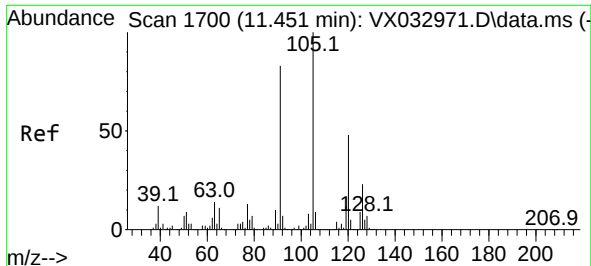
Tgt Ion: 91 Resp: 3295
Ion Ratio Lower Upper
91 100
120 20.4 11.6 34.8



#79
2-Chlorotoluene
Concen: 0.306 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.018 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion: 91 Resp: 1407
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

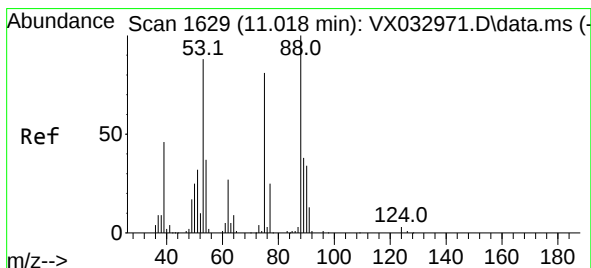
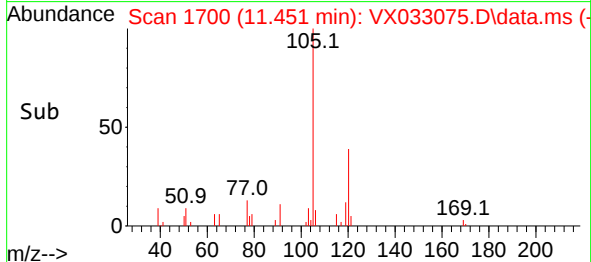
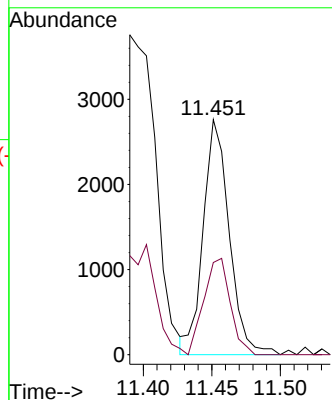
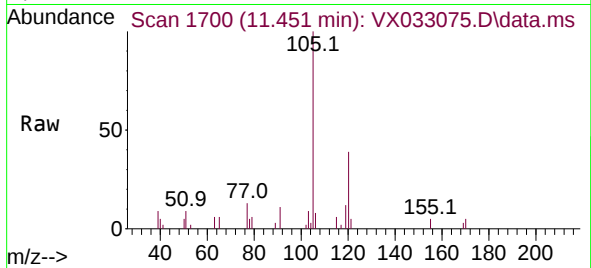




#80
1,3,5-Trimethylbenzene
Concen: 0.657 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

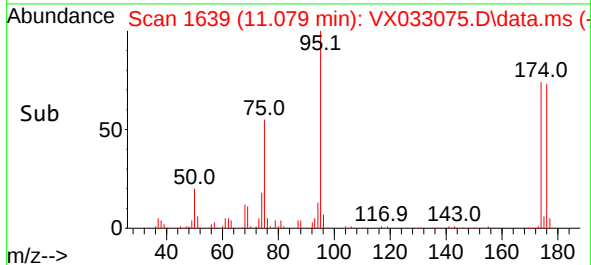
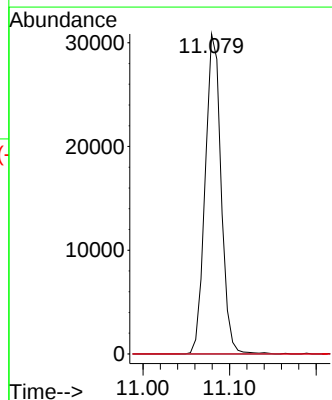
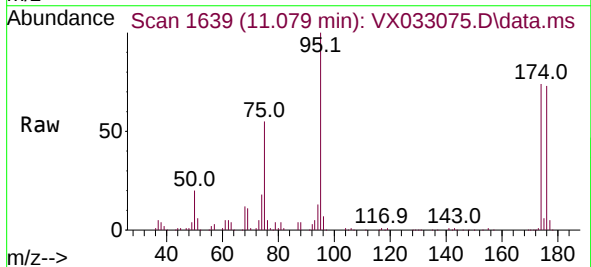
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

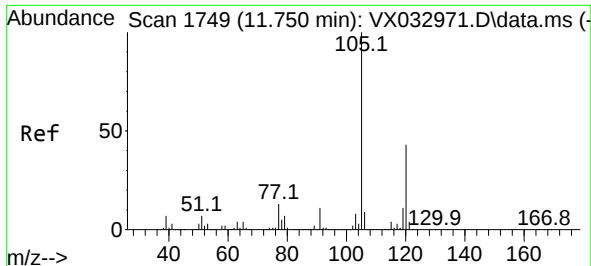
Tgt Ion:105 Resp: 3650
Ion Ratio Lower Upper
105 100
120 41.7 23.6 71.0



#81
trans-1,4-Dichloro-2-butene
Concen: 72.882 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion: 75 Resp: 39323
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

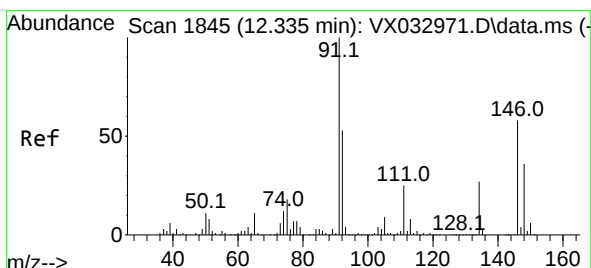
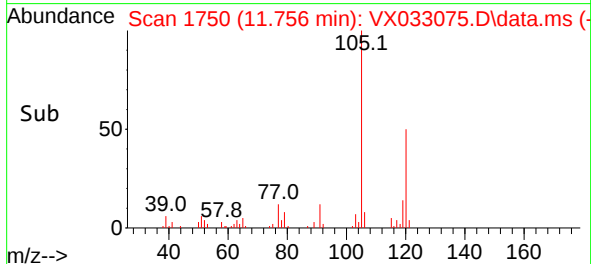
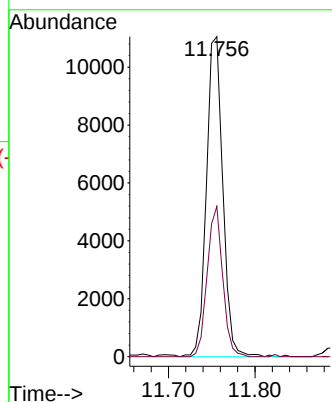
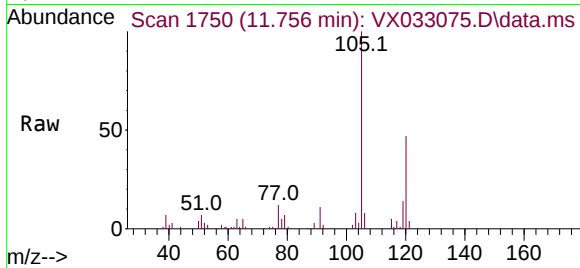




#84
1,2,4-Trimethylbenzene
Concen: 2.618 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

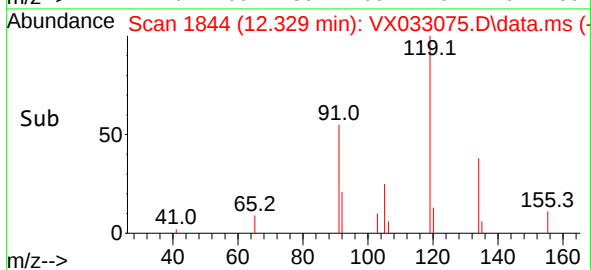
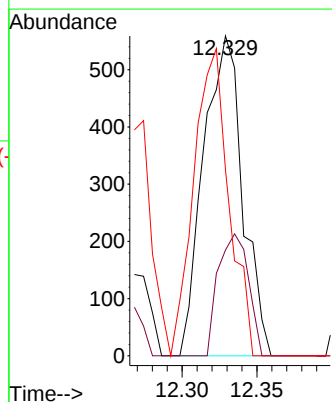
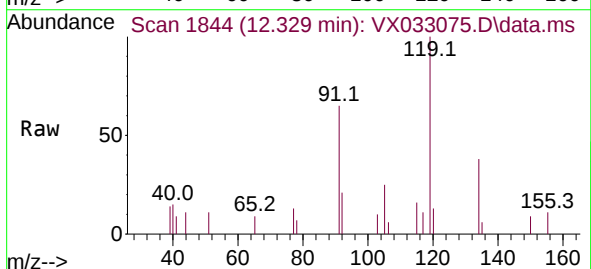
Instrument :
MSVOA_X
ClientSampleId :
MW-38D

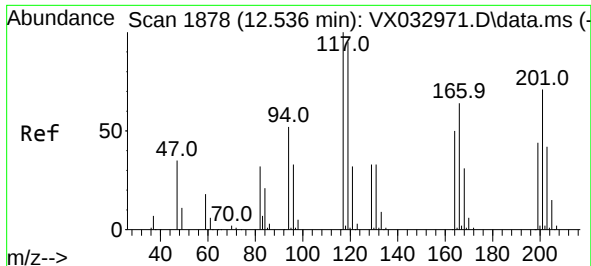
Tgt Ion:105 Resp: 14510
Ion Ratio Lower Upper
105 100
120 44.3 21.9 65.5



#89
n-Butylbenzene
Concen: 0.210 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion: 91 Resp: 1017
Ion Ratio Lower Upper
91 100
92 29.4 26.2 78.6
134 85.8 12.9 38.6#

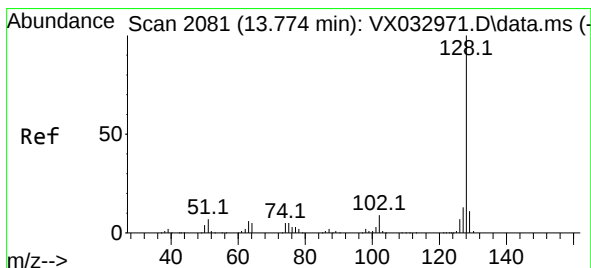
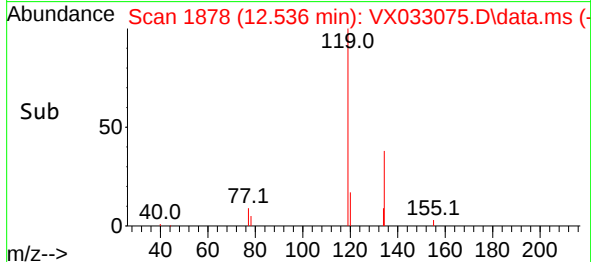
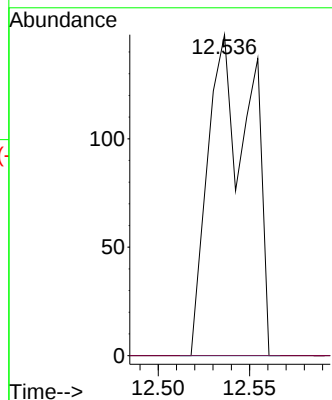
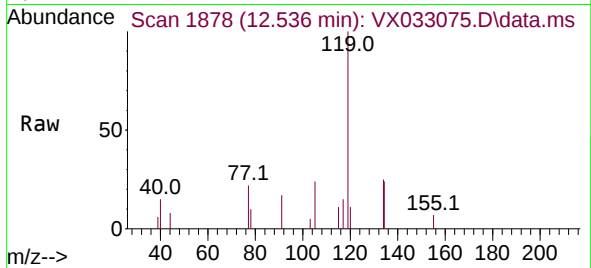




#90
Hexachloroethane
Concen: 0.259 ug/l
RT: 12.536 min Scan# 117
Delta R.T. -0.006 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Instrument :
MSVOA_X
ClientSampleId :
MW-38D

Tgt Ion:117 Resp: 239
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#95
Naphthalene
Concen: 2.017 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX033075.D
Acq: 25 Nov 2022 18:00

Tgt Ion:128 Resp: 11946
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 10.8 8.9 13.3

