

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033030.D
 Acq On : 23 Nov 2022 19:16
 Operator : JC/MD
 Sample : N5741-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-26

Quant Time: Nov 24 04:07:56 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)

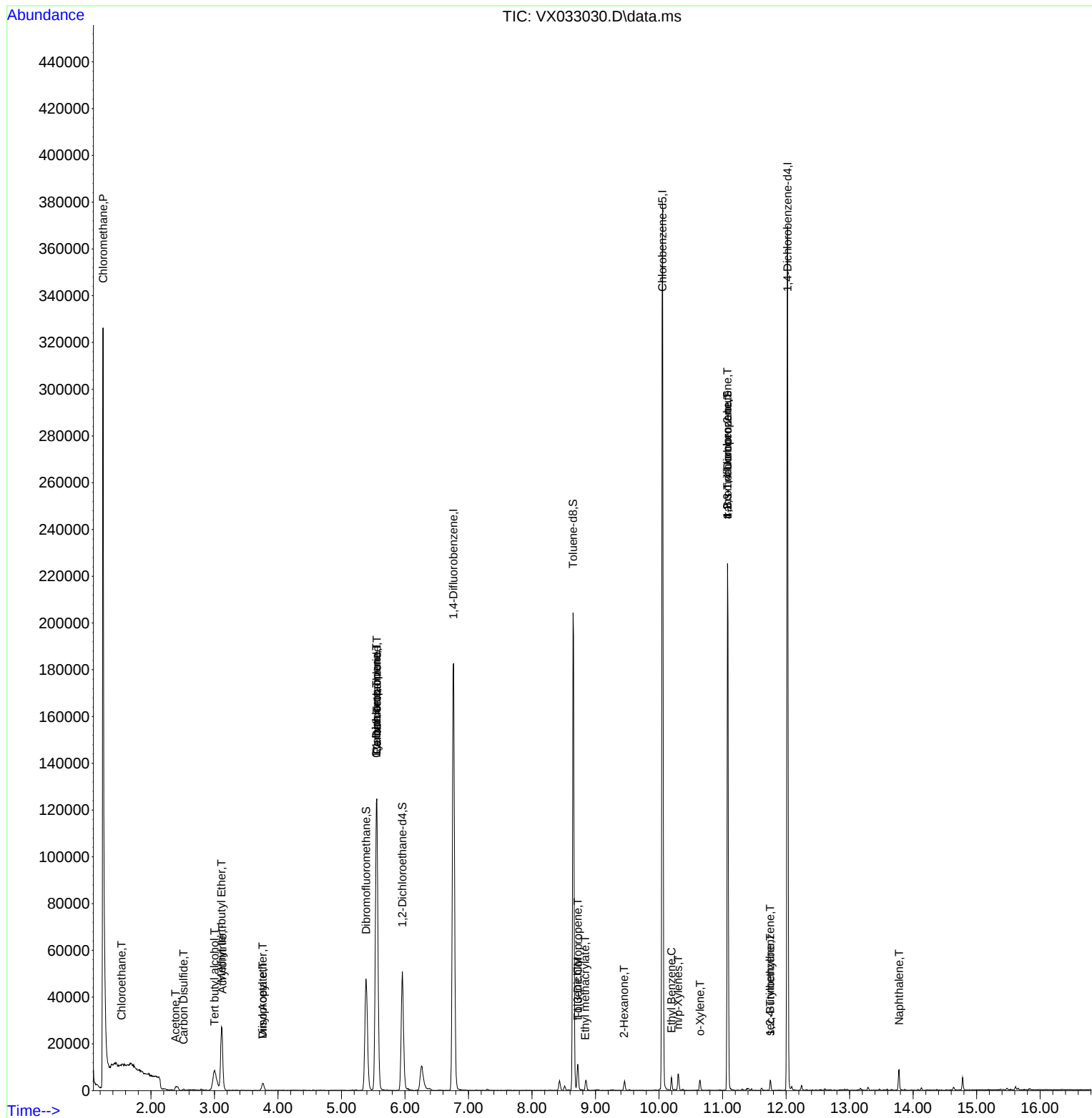
Internal Standards						
1) Pentafluorobenzene	5.556	168	116218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49386	43.053	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.100%
35) Dibromofluoromethane	5.385	113	41279	38.577	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	77.160%
50) Toluene-d8	8.647	98	121740	37.263	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	74.520%#
62) 4-Bromofluorobenzene	11.079	95	57480	40.893	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.780%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.246	50	7729	8.063	ug/l #	43
6) Chloroethane	1.538	64	877	1.009	ug/l #	42
11) Tert butyl alcohol	3.001	59	18647	103.935	ug/l #	82
15) Acrylonitrile	3.123	53	303	0.597	ug/l #	13
16) Acetone	2.386	43	2077	3.929	ug/l #	85
17) Carbon Disulfide	2.514	76	705	0.252	ug/l #	74
19) Methyl tert-butyl Ether	3.111	73	30213	8.590	ug/l	97
20) Methylene Chloride	2.788	84	222	Below Cal	#	79
22) Diisopropyl ether	3.757	45	3038	0.852	ug/l #	86
23) Vinyl Acetate	3.757	43	1744	0.625	ug/l #	72
31) Cyclohexane	5.550	56	2689	1.466	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	9106	5.322	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12288	6.474	ug/l #	15
52) Toluene	8.720	92	4247	1.346	ug/l	96
53) t-1,3-Dichloropropene	8.720	75	43	1.539	ug/l #	12
56) Ethyl methacrylate	8.836	69	422	0.238	ug/l #	68
59) 2-Hexanone	9.451	43	452	0.402	ug/l #	32
67) Ethyl Benzene	10.195	91	3373	0.570	ug/l	99
68) m/p-Xylenes	10.299	106	1795	0.774	ug/l	95
69) o-Xylene	10.646	106	1137	0.507	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	30591	21.271	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	30591	69.140	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	2255	0.496	ug/l	97
85) sec-Butylbenzene	11.750	105	2255	0.415	ug/l #	57
95) Naphthalene	13.780	128	6576	1.354	ug/l	98

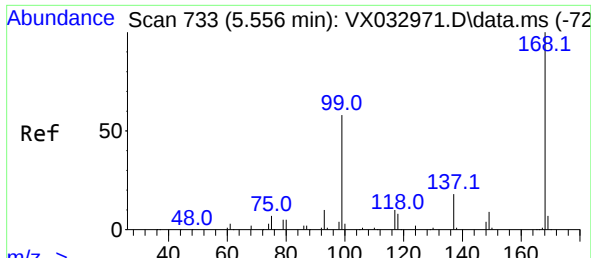
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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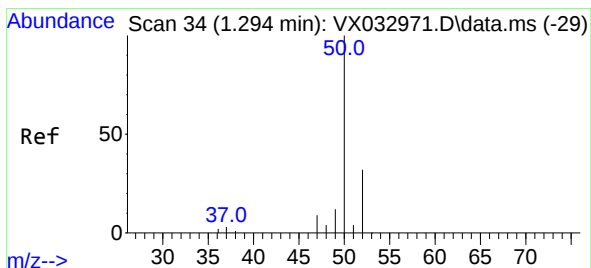
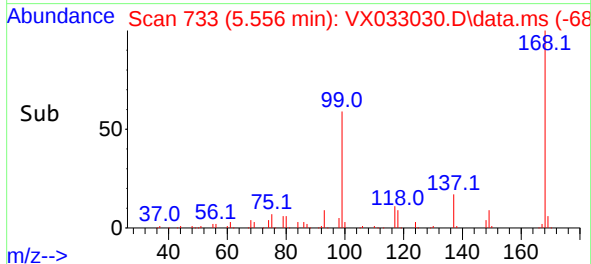
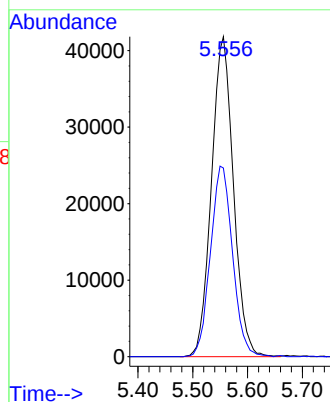
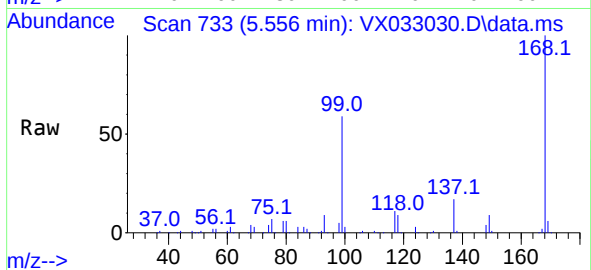




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

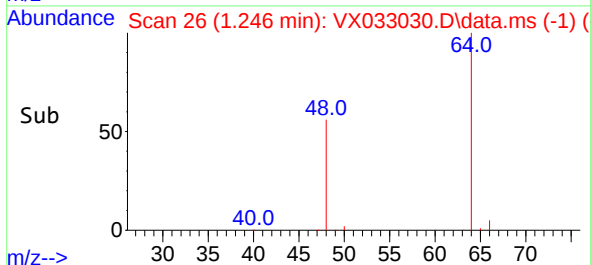
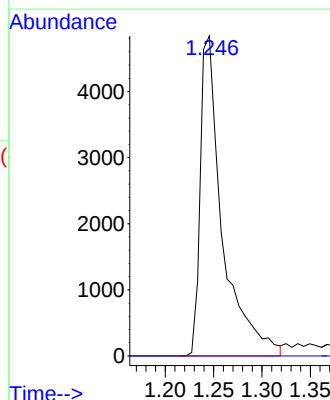
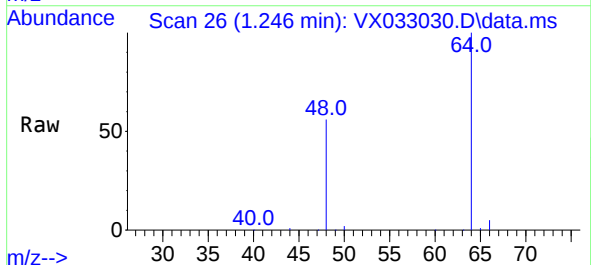
Instrument :
MSVOA_X
ClientSampleId :
MW-26

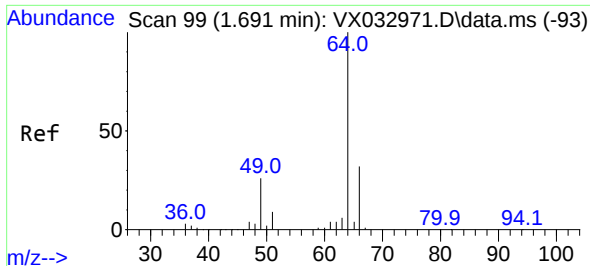
Tgt Ion:168 Resp: 116218
Ion Ratio Lower Upper
168 100
99 59.0 46.1 69.1



#3
Chloromethane
Concen: 8.063 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.048 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Tgt Ion: 50 Resp: 7729
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

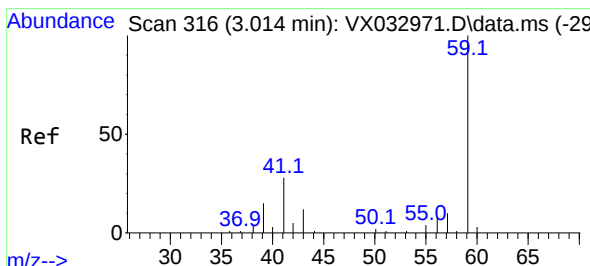
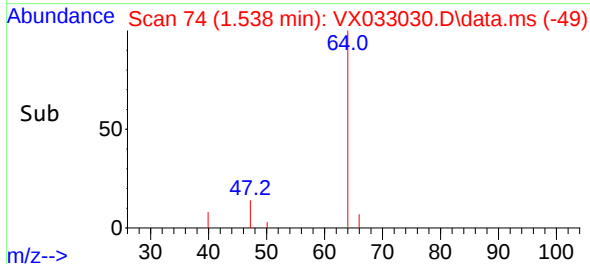
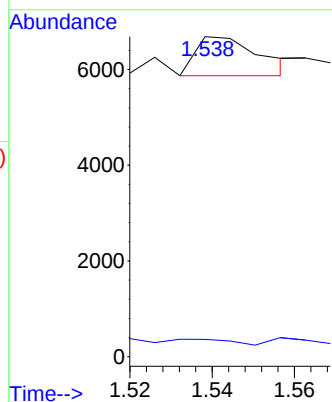
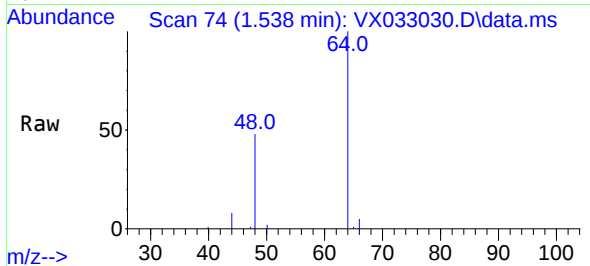




#6
Chloroethane
Concen: 1.009 ug/l
RT: 1.538 min Scan# 74
Delta R.T. -0.147 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

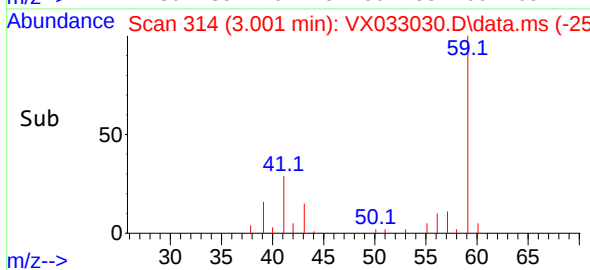
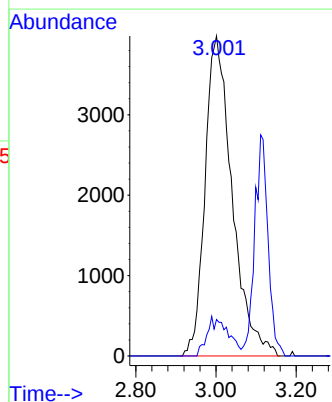
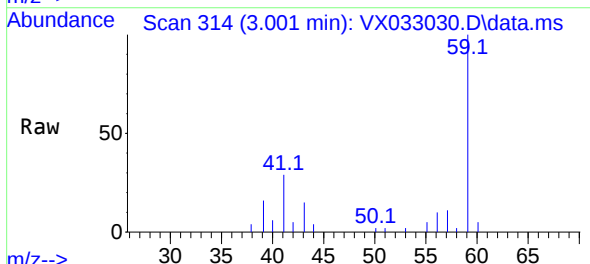
Instrument :
MSVOA_X
ClientSampleId :
MW-26

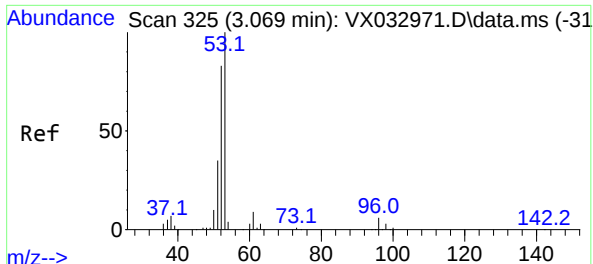
Tgt Ion: 64 Resp: 877
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#11
Tert butyl alcohol
Concen: 103.935 ug/l
RT: 3.001 min Scan# 314
Delta R.T. 0.036 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Tgt Ion: 59 Resp: 18647
Ion Ratio Lower Upper
59 100
57 3.6 8.2 12.4#

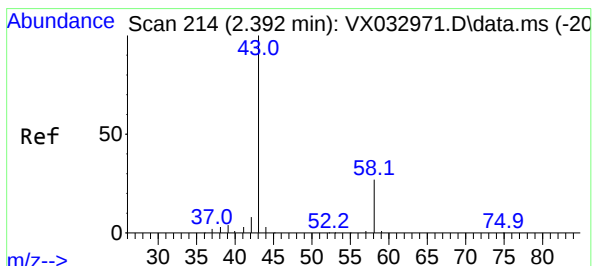
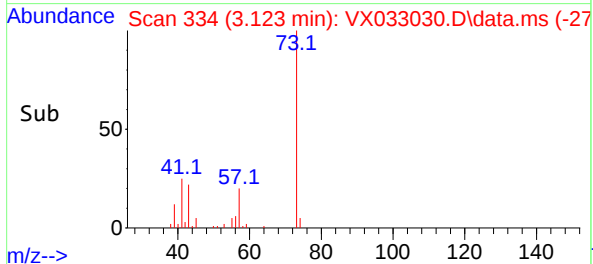
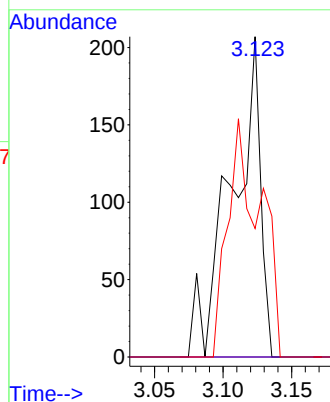
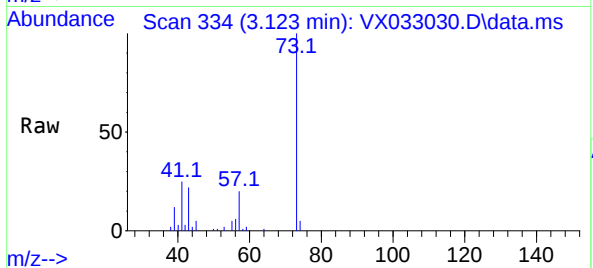




#15
Acrylonitrile
Concen: 0.597 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.061 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

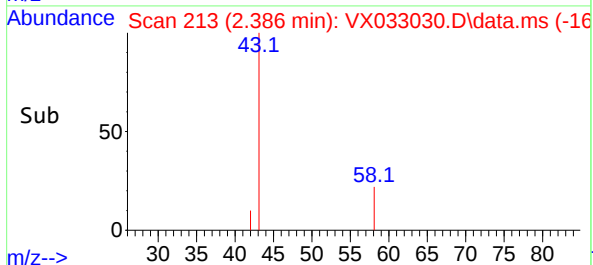
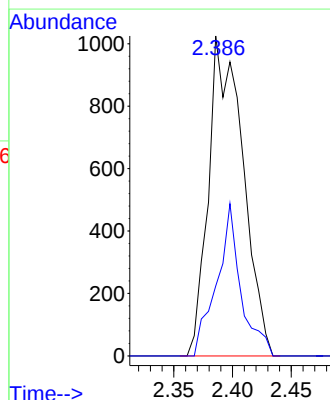
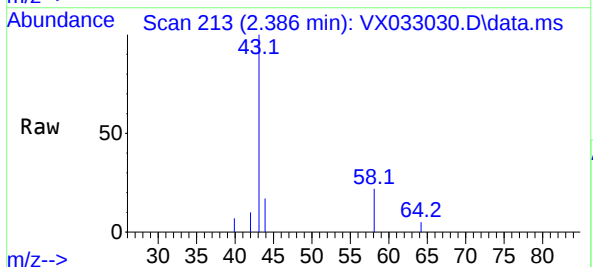
Instrument :
MSVOA_X
ClientSampleId :
MW-26

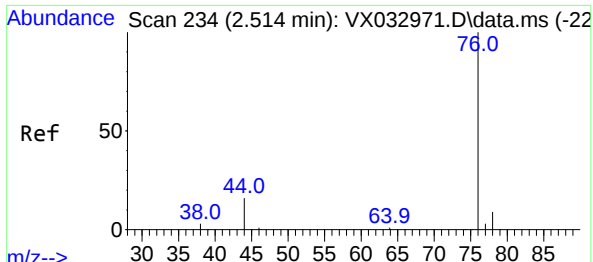
Tgt Ion: 53 Resp: 303
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 83.5 30.3 45.5#



#16
Acetone
Concen: 3.929 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Tgt Ion: 43 Resp: 2077
Ion Ratio Lower Upper
43 100
58 21.9 23.8 35.8#

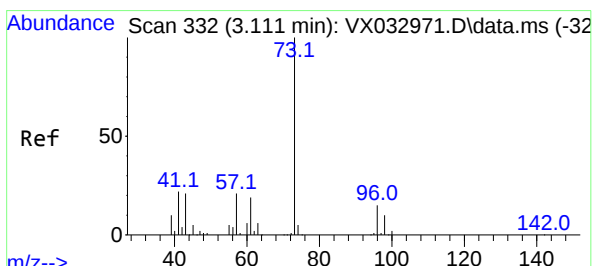
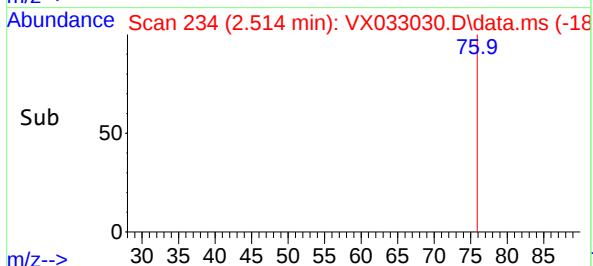
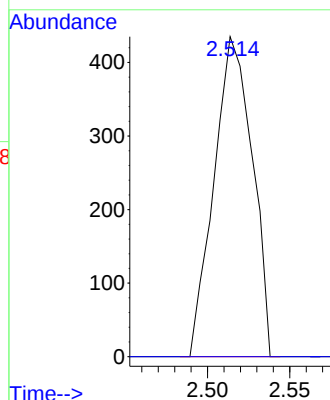
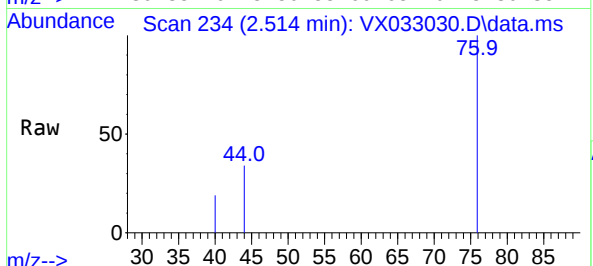




#17
Carbon Disulfide
Concen: 0.252 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

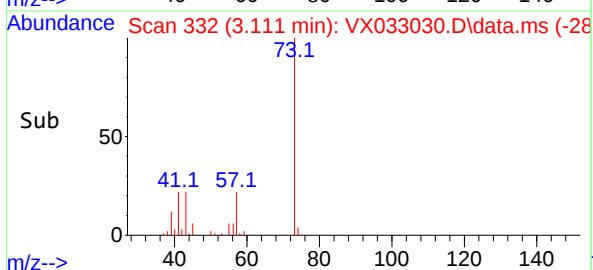
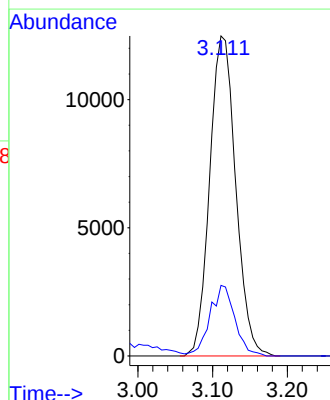
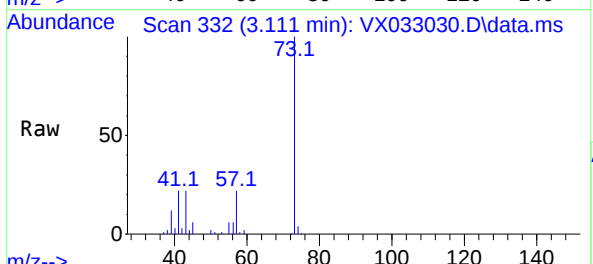
Instrument :
MSVOA_X
ClientSampleId :
MW-26

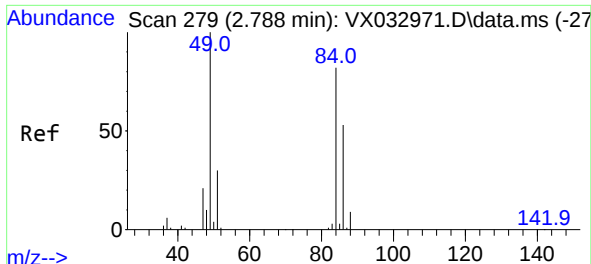
Tgt Ion: 76 Resp: 705
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#19
Methyl tert-butyl Ether
Concen: 8.590 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

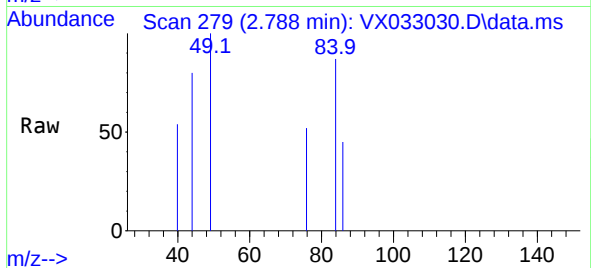
Tgt Ion: 73 Resp: 30213
Ion Ratio Lower Upper
73 100
57 22.0 16.6 25.0





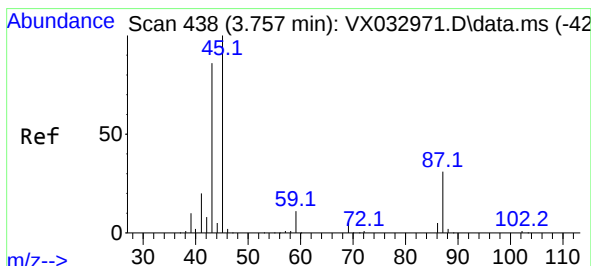
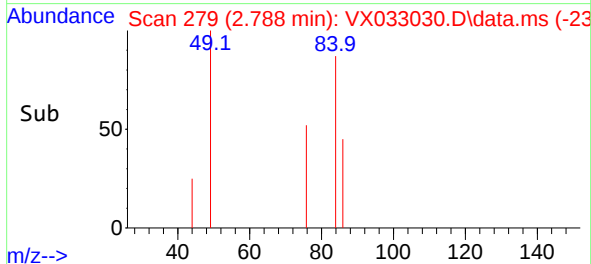
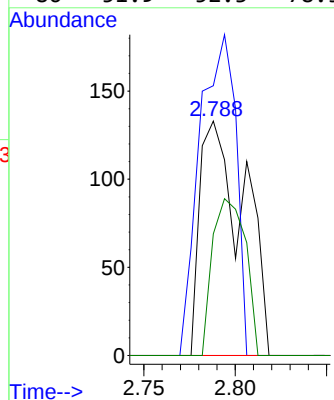
#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Instrument :
MSVOA_X
ClientSampleId :
MW-26



Tgt Ion: 84 Resp: 222

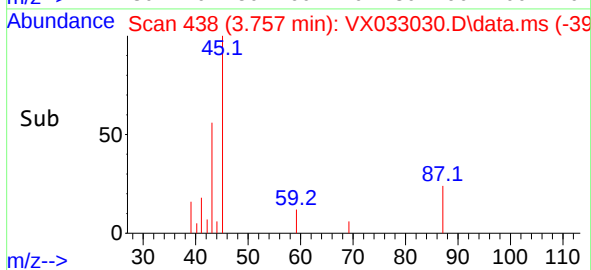
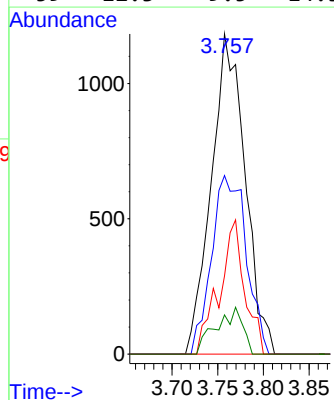
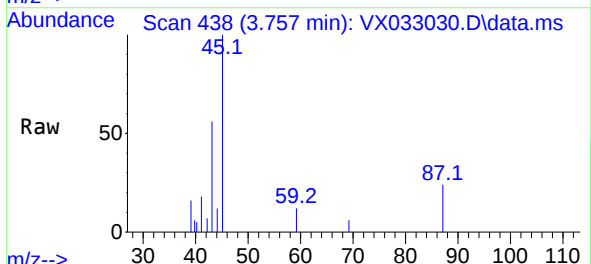
Ion	Ratio	Lower	Upper
84	100		
49	115.0	101.0	151.6
51	0.0	31.1	46.7#
86	51.9	52.3	78.5#

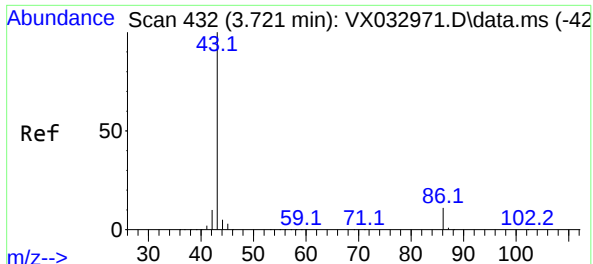


#22
Diisopropyl ether
Concen: 0.852 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Tgt Ion: 45 Resp: 3038

Ion	Ratio	Lower	Upper
45	100		
43	55.8	56.4	84.6#
87	24.4	24.4	36.6
59	12.3	9.5	14.3

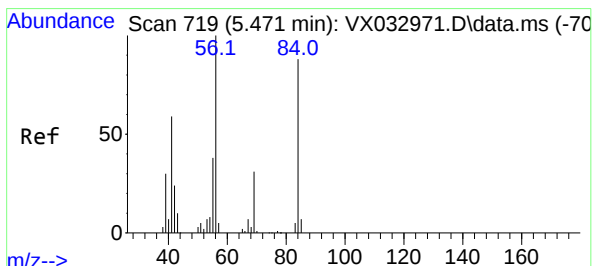
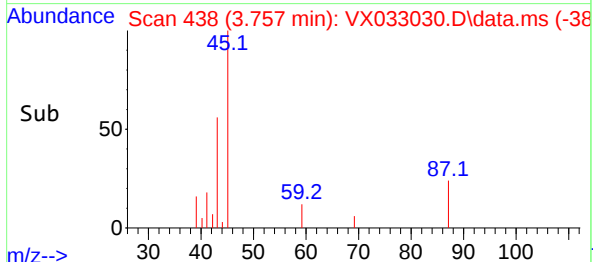
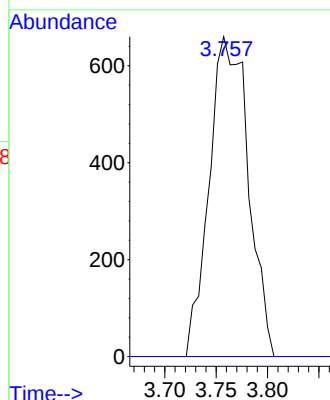
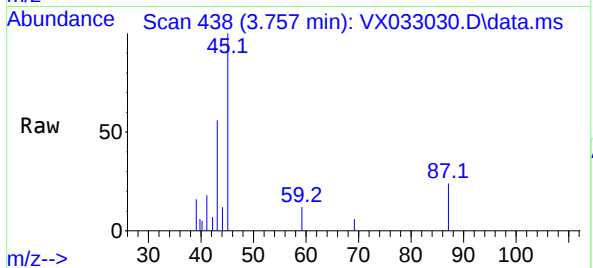




#23
 Vinyl Acetate
 Concen: 0.625 ug/l
 RT: 3.757 min Scan# 41
 Delta R.T. 0.036 min
 Lab File: VX033030.D
 Acq: 23 Nov 2022 19:16

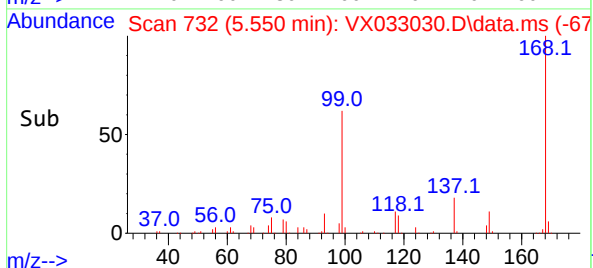
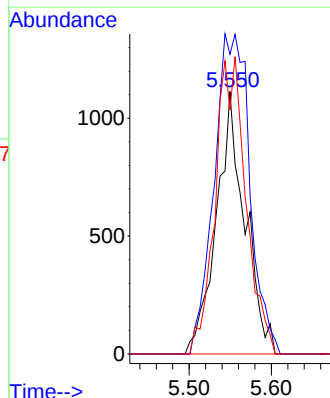
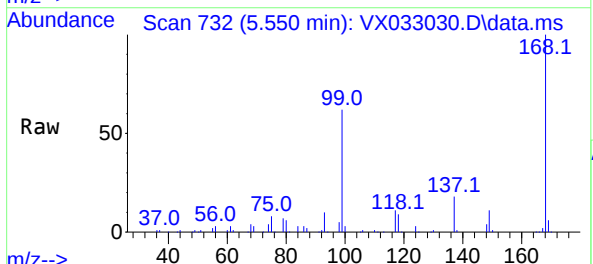
Instrument :
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 MW-26

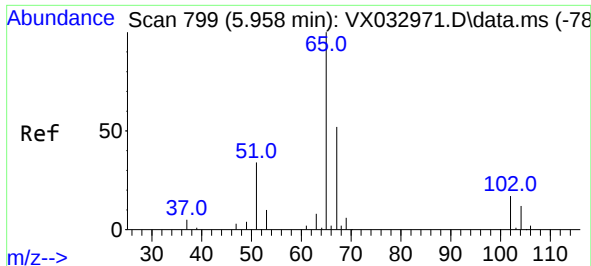
Tgt Ion: 43 Resp: 1744
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.466 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.080 min
 Lab File: VX033030.D
 Acq: 23 Nov 2022 19:16

Tgt Ion: 56 Resp: 2689
 Ion Ratio Lower Upper
 56 100
 69 114.2 24.1 36.1#
 84 93.0 66.9 100.3

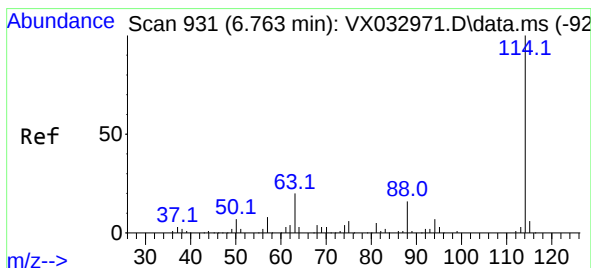
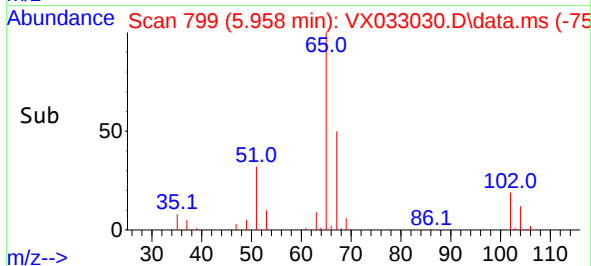
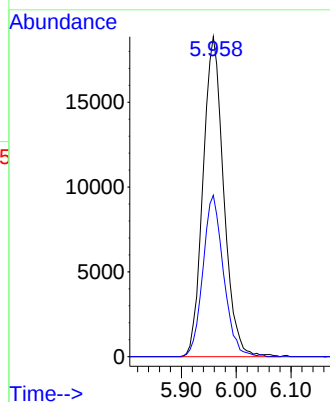
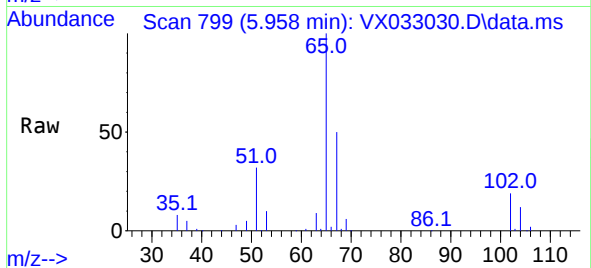




#33
 1,2-Dichloroethane-d4
 Concen: 43.053 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX033030.D
 Acq: 23 Nov 2022 19:16

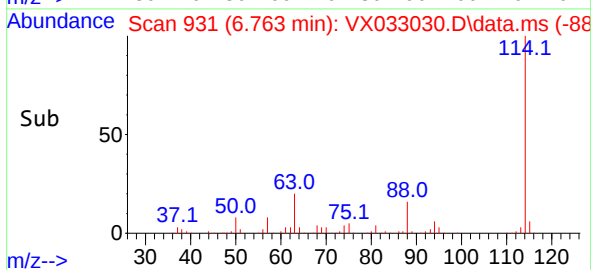
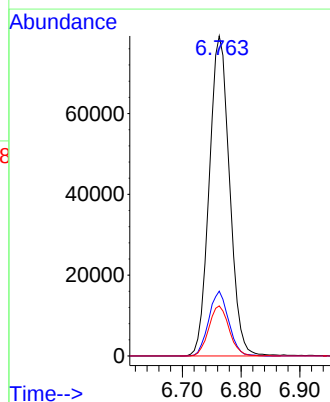
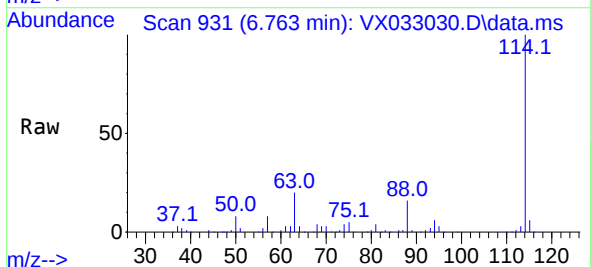
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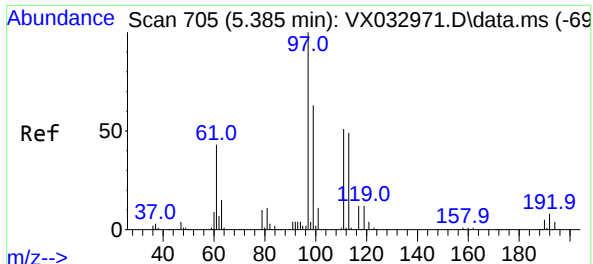
Tgt Ion: 65 Resp: 49386
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX033030.D
 Acq: 23 Nov 2022 19:16

Tgt Ion: 114 Resp: 189805
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.6
 88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 38.577 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033030.D

Acq: 23 Nov 2022 19:16

Instrument :

MSVOA_X

ClientSampleId :

MW-26

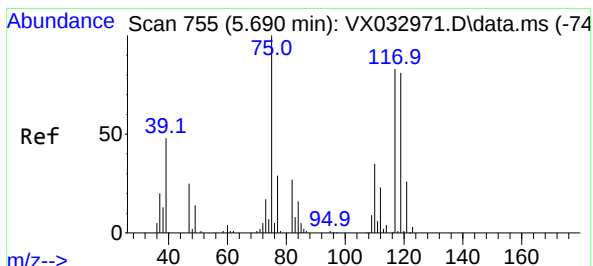
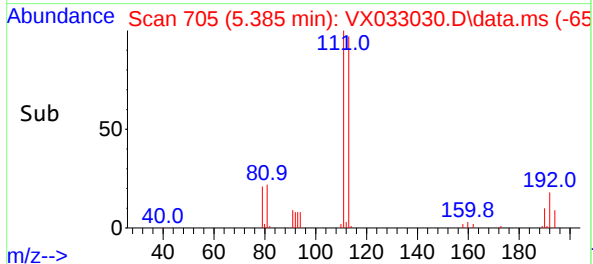
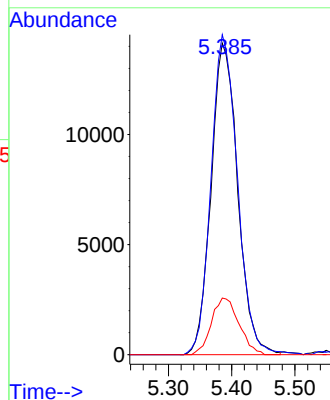
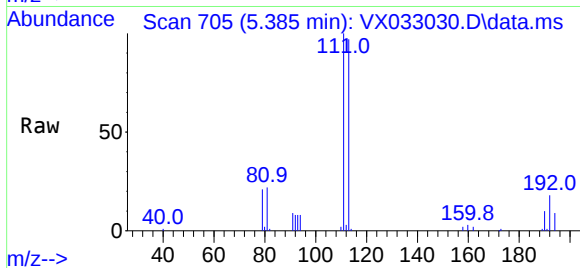
Tgt Ion:113 Resp: 41279

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 18.8 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.322 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033030.D

Acq: 23 Nov 2022 19:16

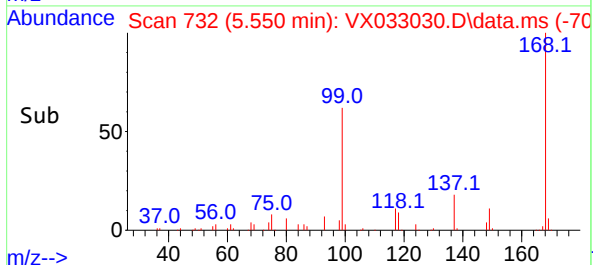
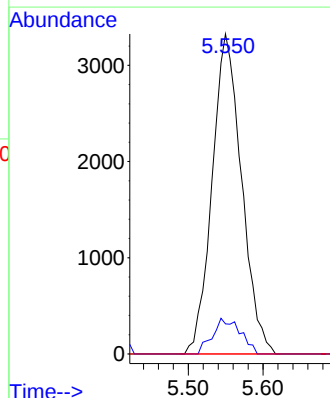
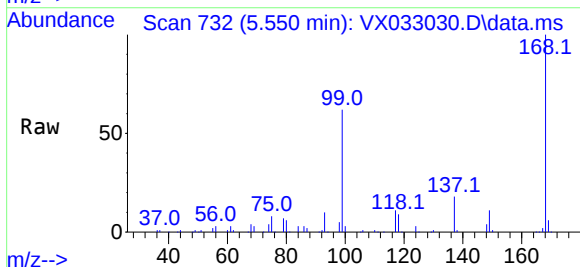
Tgt Ion: 75 Resp: 9106

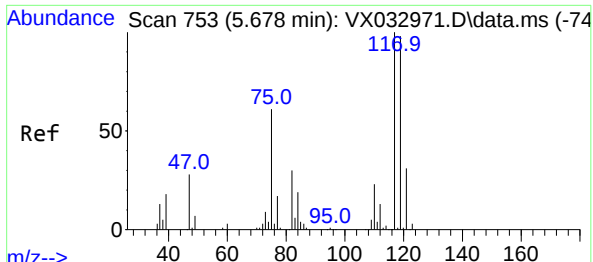
Ion Ratio Lower Upper

75 100

110 10.5 18.4 55.2#

77 0.0 24.5 36.7#

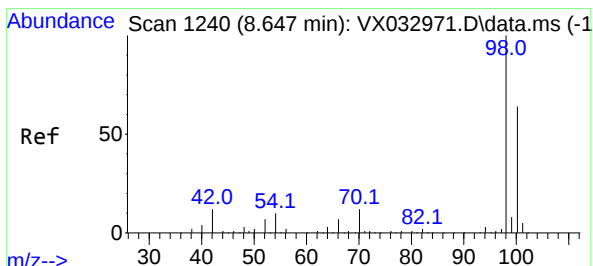
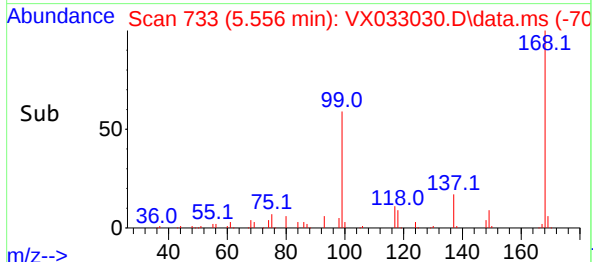
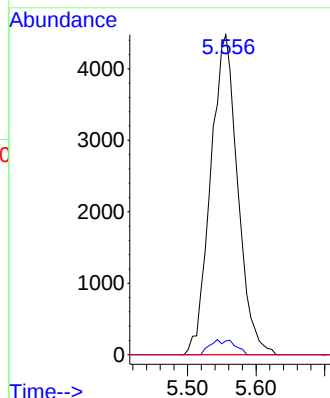
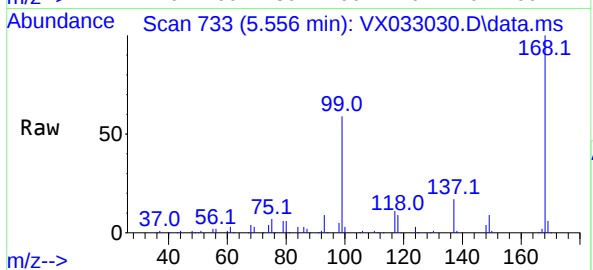




#38
Carbon Tetrachloride
Concen: 6.474 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

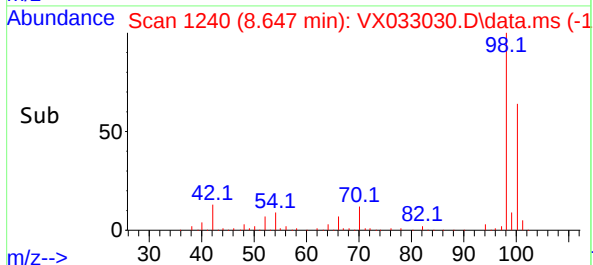
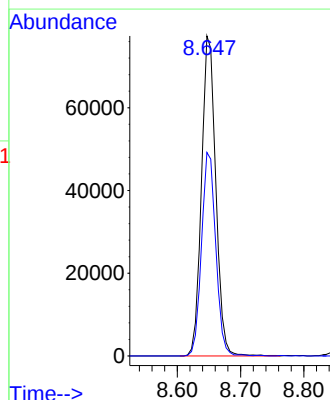
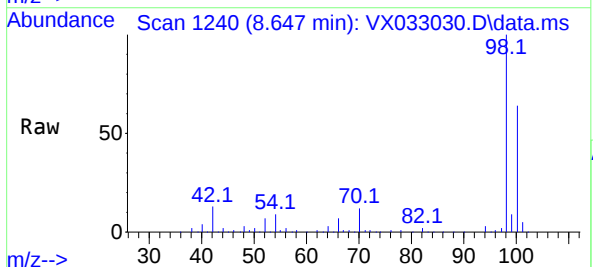
Instrument :
MSVOA_X
ClientSampleId :
MW-26

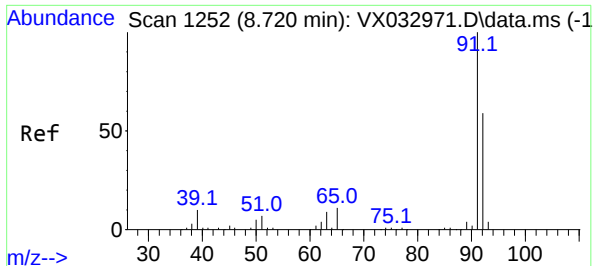
Tgt Ion:117 Resp: 12288
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 37.263 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Tgt Ion: 98 Resp: 121740
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3

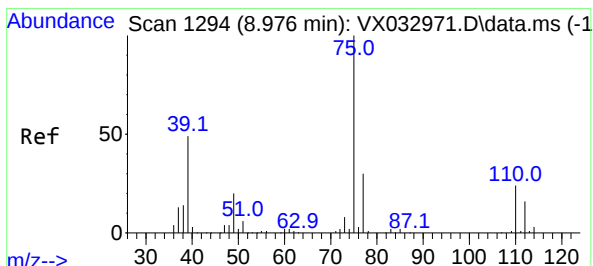
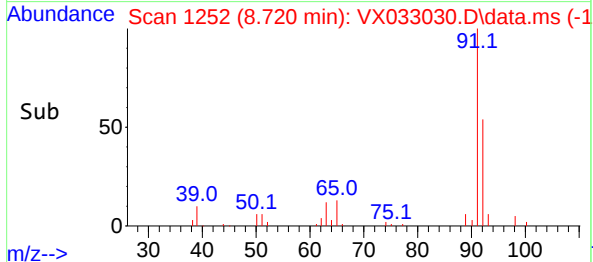
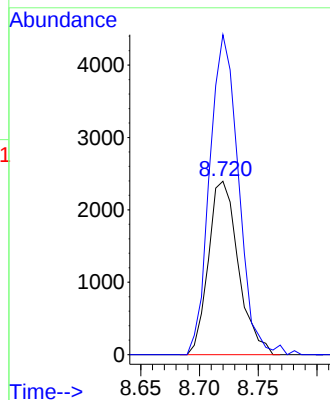
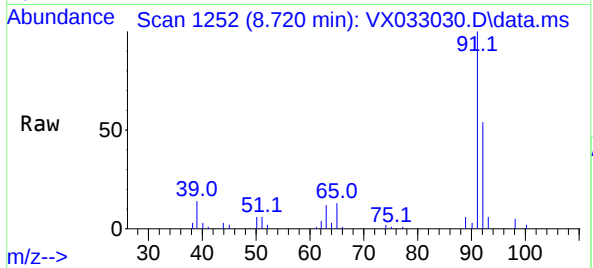




#52
Toluene
Concen: 1.346 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

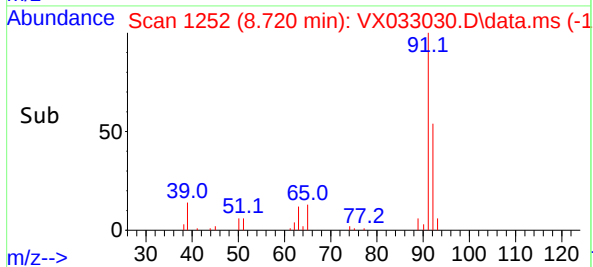
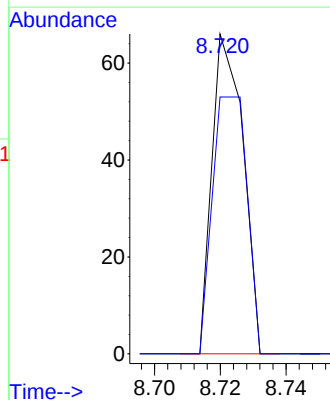
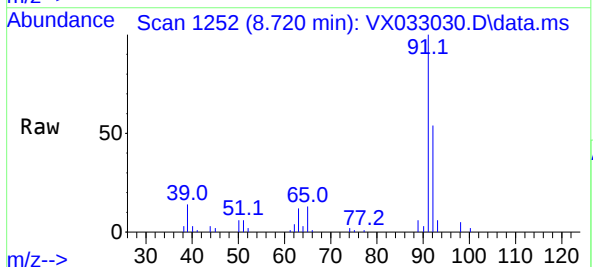
Instrument :
MSVOA_X
ClientSampleId :
MW-26

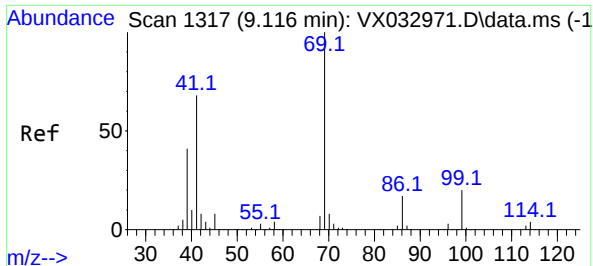
Tgt Ion: 92 Resp: 4247
Ion Ratio Lower Upper
92 100
91 178.3 138.3 207.5



#53
t-1,3-Dichloropropene
Concen: 1.539 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Tgt Ion: 75 Resp: 43
Ion Ratio Lower Upper
75 100
77 80.3 25.1 37.7#





#56

Ethyl methacrylate

Concen: 0.238 ug/l

RT: 8.836 min Scan# 11

Delta R.T. -0.280 min

Lab File: VX033030.D

Acq: 23 Nov 2022 19:16

Instrument :

MSVOA_X

ClientSampleId :

MW-26

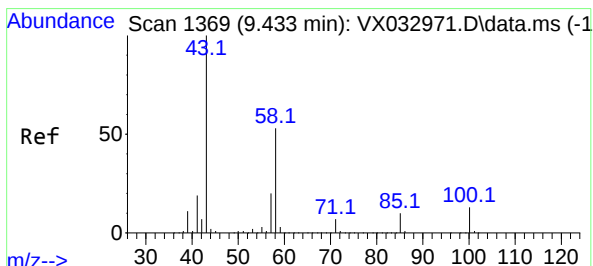
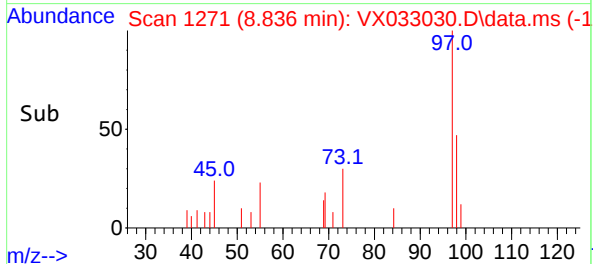
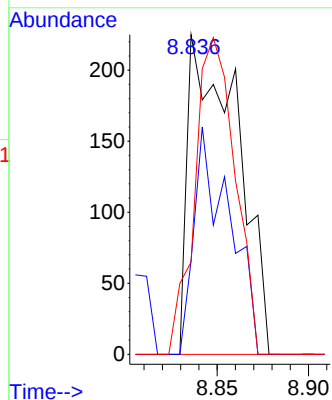
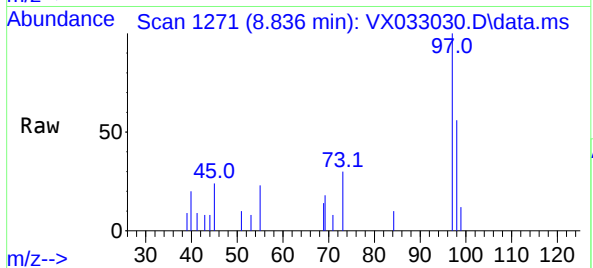
Tgt Ion: 69 Resp: 422

Ion Ratio Lower Upper

69 100

41 51.2 54.3 81.5#

39 76.8 35.2 52.8#



#59

2-Hexanone

Concen: 0.402 ug/l

RT: 9.451 min Scan# 1372

Delta R.T. 0.018 min

Lab File: VX033030.D

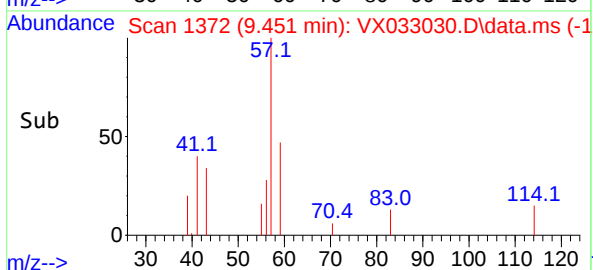
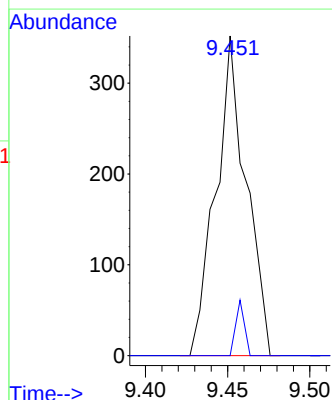
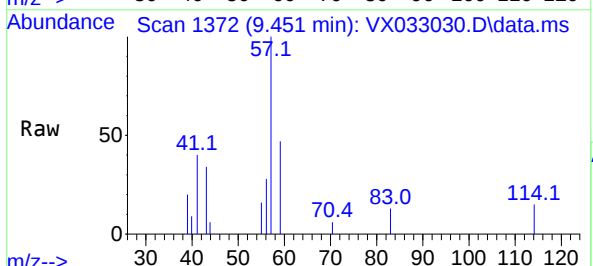
Acq: 23 Nov 2022 19:16

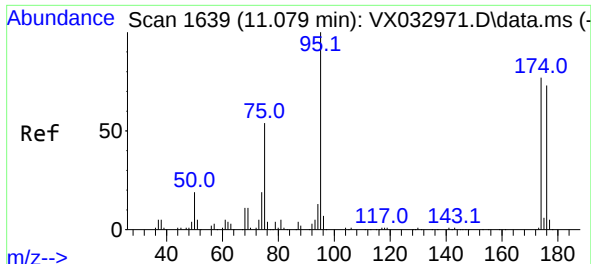
Tgt Ion: 43 Resp: 452

Ion Ratio Lower Upper

43 100

58 4.9 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 40.893 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033030.D

Acq: 23 Nov 2022 19:16

Instrument :

MSVOA_X

ClientSampleId :

MW-26

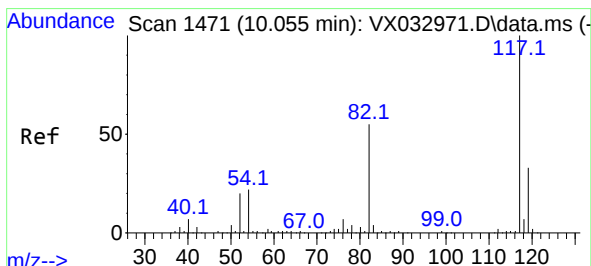
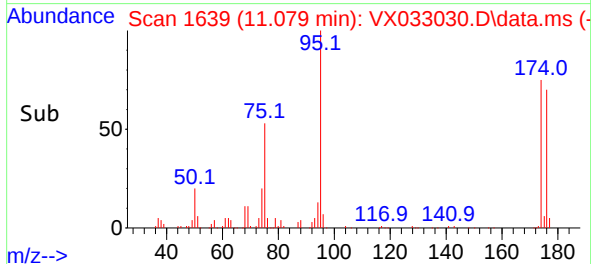
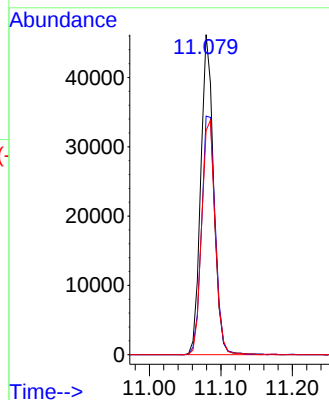
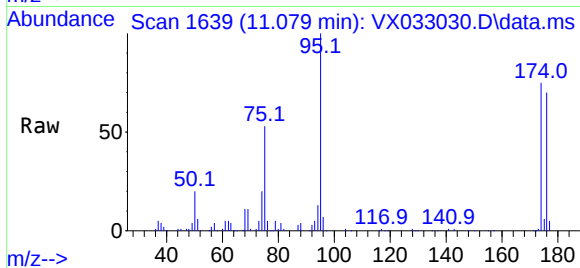
Tgt Ion: 95 Resp: 57480

Ion Ratio Lower Upper

95 100

174 80.0 0.0 164.0

176 77.1 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: VX033030.D

Acq: 23 Nov 2022 19:16

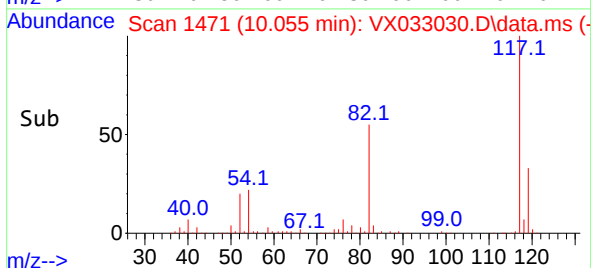
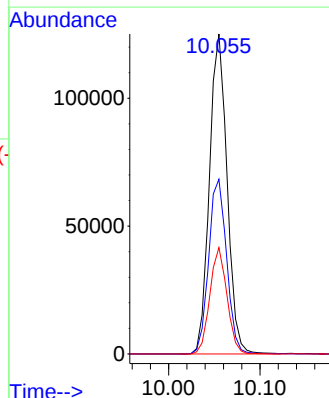
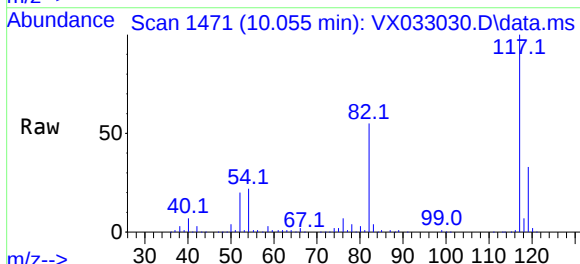
Tgt Ion: 117 Resp: 167441

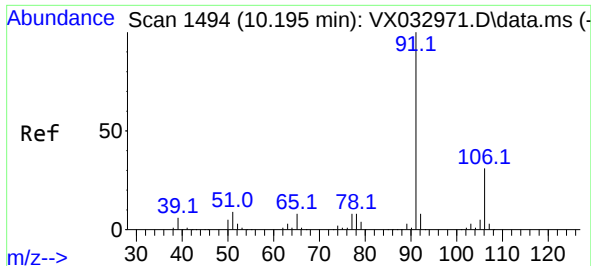
Ion Ratio Lower Upper

117 100

82 54.6 44.3 66.5

119 33.3 25.7 38.5

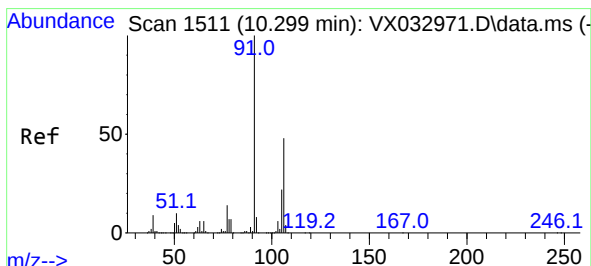
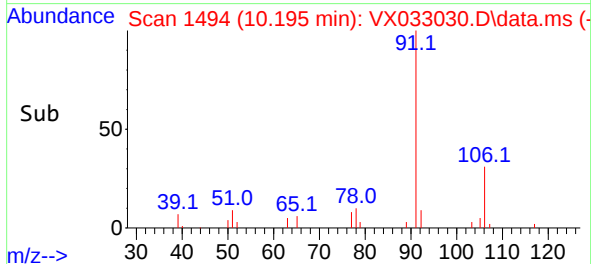
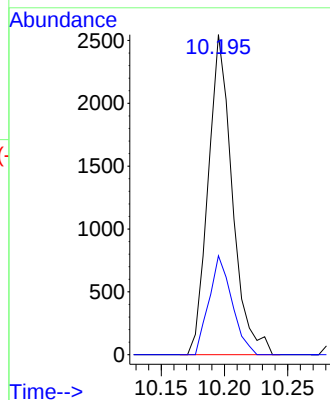
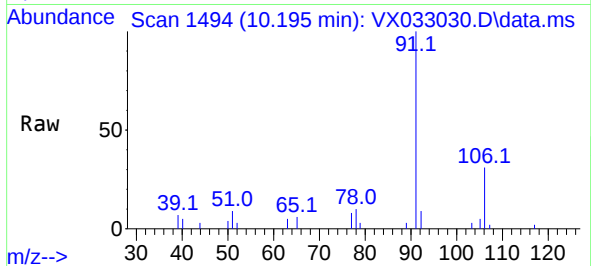




#67
Ethyl Benzene
Concen: 0.570 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

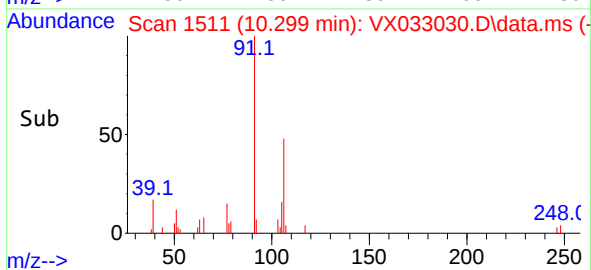
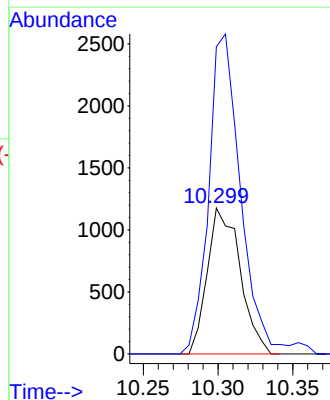
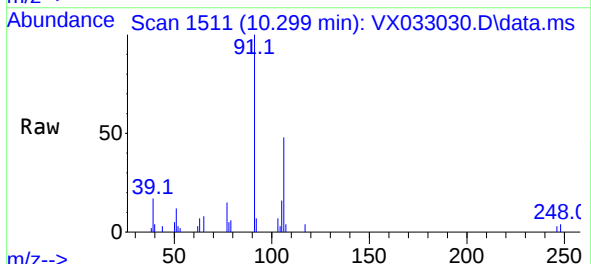
Instrument :
MSVOA_X
ClientSampleId :
MW-26

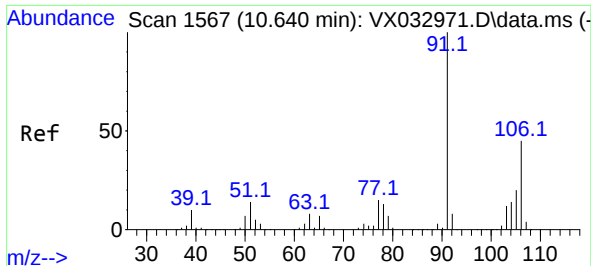
Tgt Ion: 91 Resp: 3373
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6



#68
m/p-Xylenes
Concen: 0.774 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Tgt Ion: 106 Resp: 1795
Ion Ratio Lower Upper
106 100
91 212.5 164.5 246.7

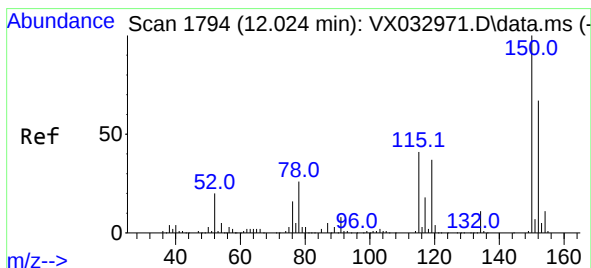
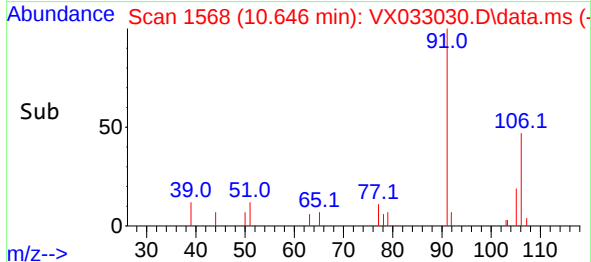
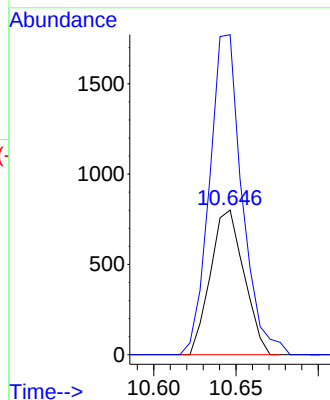
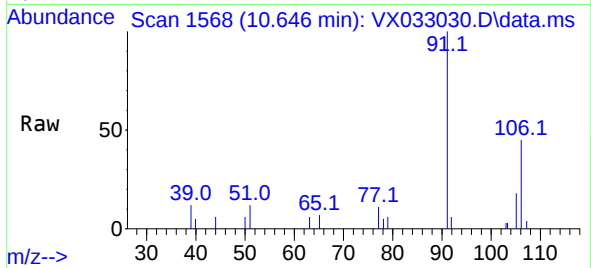




#69
o-Xylene
Concen: 0.507 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

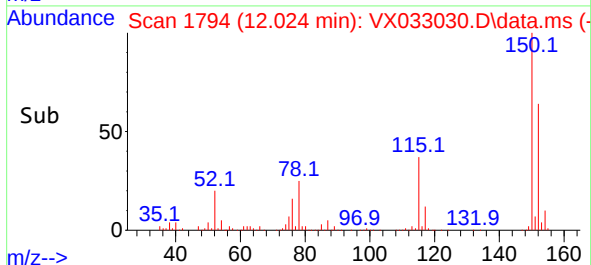
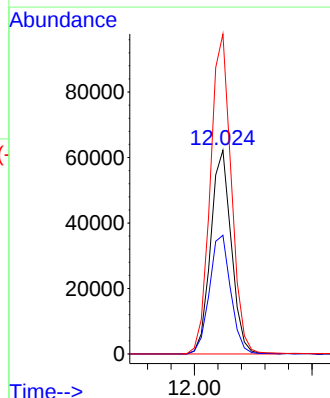
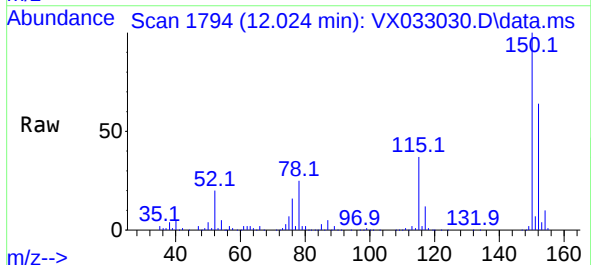
Instrument : MSVOA_X
ClientSampleId : MW-26

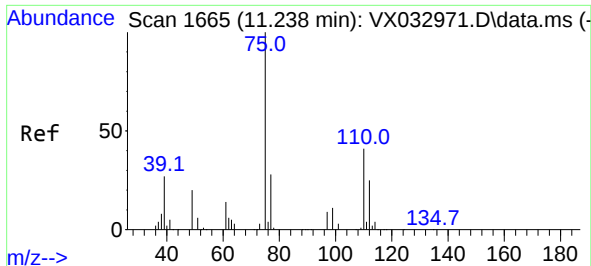
Tgt Ion:106 Resp: 1137
Ion Ratio Lower Upper
106 100
91 215.5 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Tgt Ion:152 Resp: 75939
Ion Ratio Lower Upper
152 100
115 60.3 44.0 132.0
150 159.4 0.0 351.8

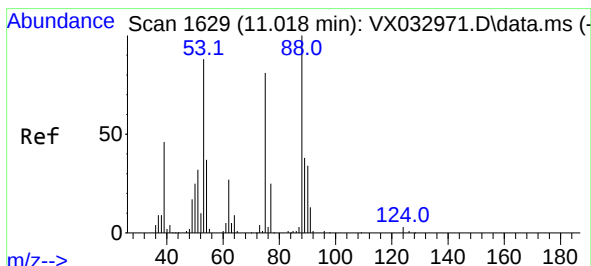
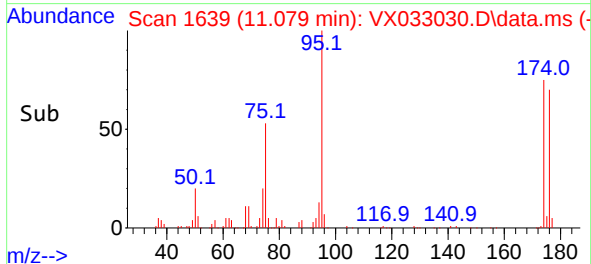
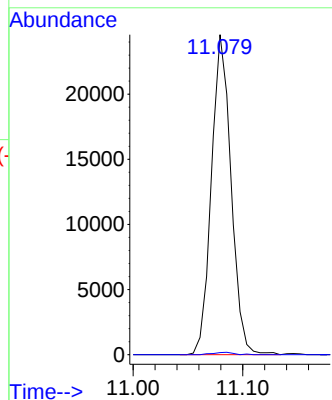
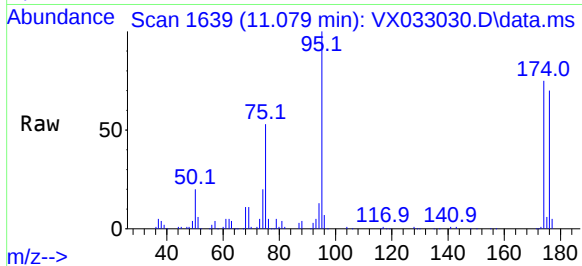




#76
1,2,3-Trichloropropane
Concen: 21.271 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

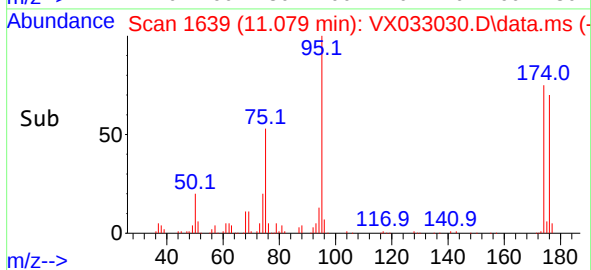
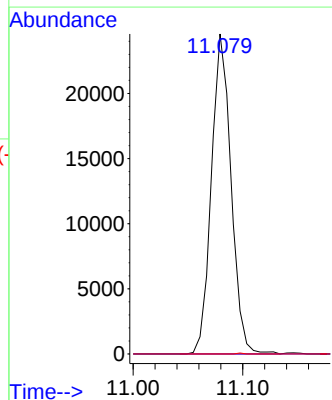
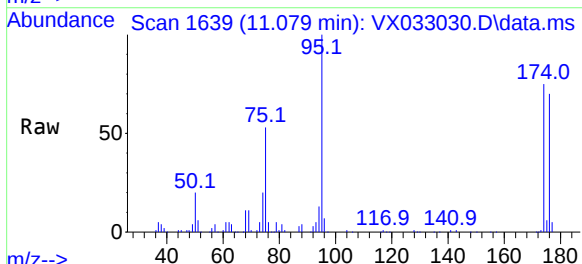
Instrument :
MSVOA_X
ClientSampleId :
MW-26

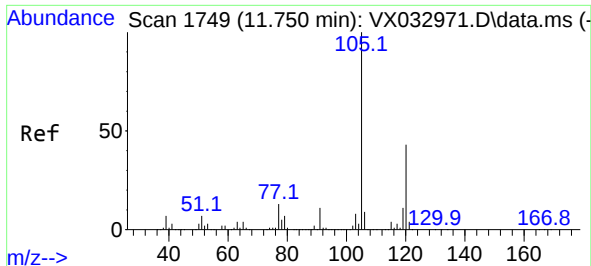
Tgt Ion: 75 Resp: 30591
Ion Ratio Lower Upper
75 100
77 0.8 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.140 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Tgt Ion: 75 Resp: 30591
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#

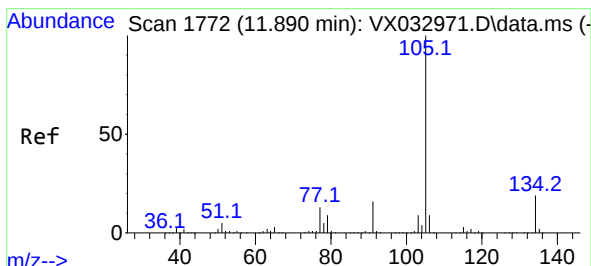
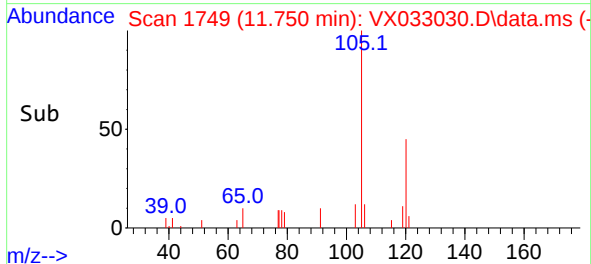
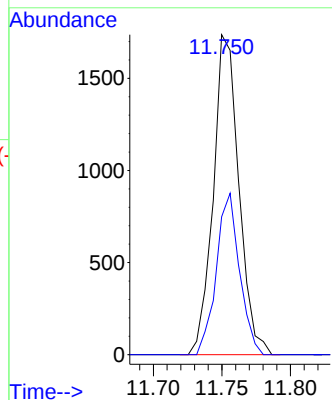
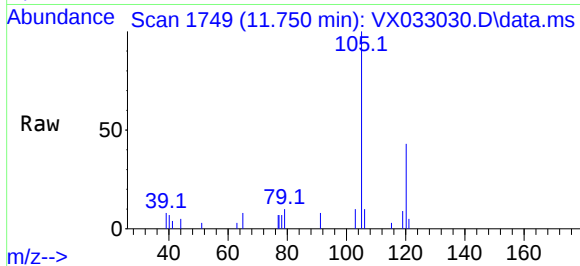




#84
1,2,4-Trimethylbenzene
Concen: 0.496 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

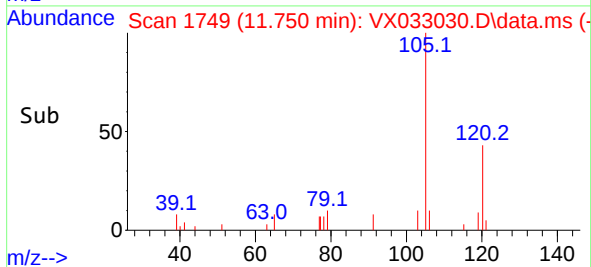
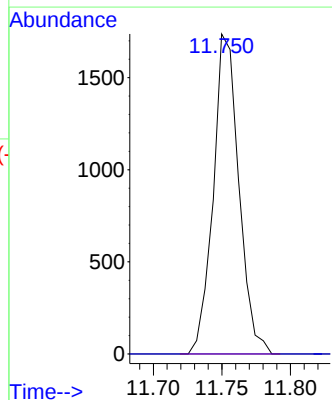
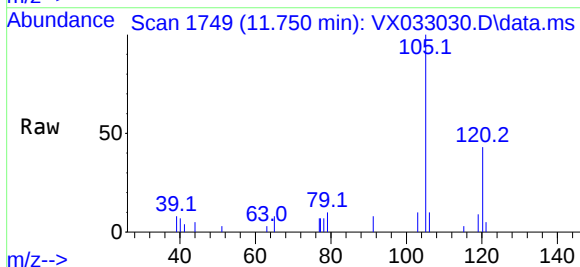
Instrument :
MSVOA_X
ClientSampleId :
MW-26

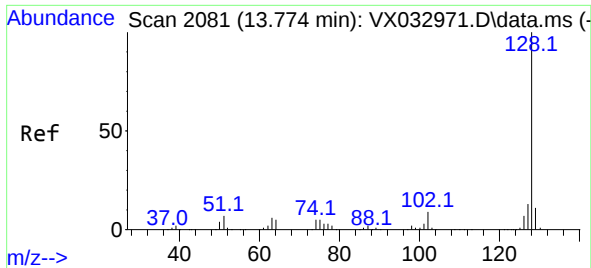
Tgt Ion:105 Resp: 2255
Ion Ratio Lower Upper
105 100
120 45.6 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.415 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

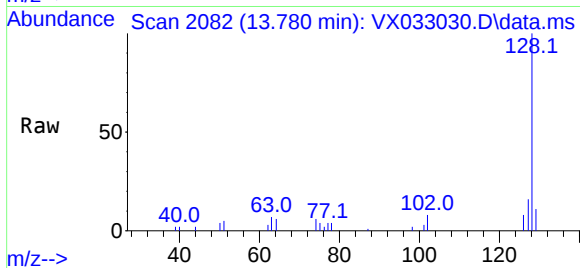
Tgt Ion:105 Resp: 2255
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7#





#95
Naphthalene
Concen: 1.354 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX033030.D
Acq: 23 Nov 2022 19:16

Instrument :
MSVOA_X
ClientSampleId :
MW-26



Tgt Ion:128 Resp: 6576
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.0 8.9 13.3

