

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033305.D
 Acq On : 08 Dec 2022 00:33
 Operator : JC/MD
 Sample : N5906-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-24

Quant Time: Dec 08 01:46:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	157917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	250869	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97961	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47547	46.933	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.860%
35) Dibromofluoromethane	5.391	113	53106	47.065	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.120%
50) Toluene-d8	8.653	98	112158	47.515	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.040%
62) 4-Bromofluorobenzene	11.079	95	82484	45.701	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.400%

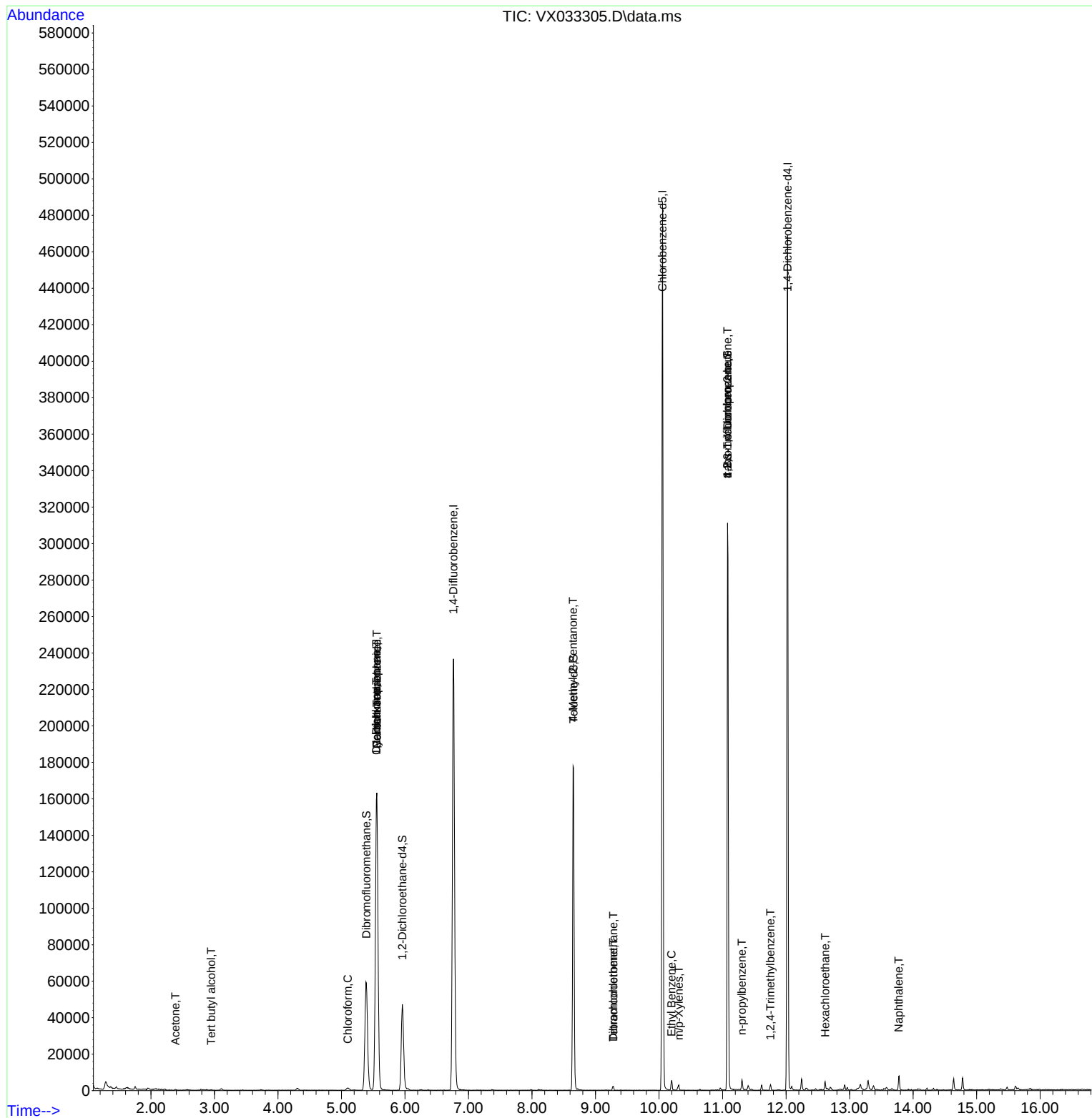
Target Compounds			Qvalue			
11) Tert butyl alcohol	2.947	59	194	0.626	ug/l #	72
16) Acetone	2.386	43	504	0.672	ug/l	93
30) Chloroform	5.099	83	1940	0.607	ug/l	99
31) Cyclohexane	5.550	56	3211	1.334	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11493	5.224	ug/l #	49
38) Carbon Tetrachloride	5.556	117	16008	6.495	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	479	0.226	ug/l #	1
60) Dibromochloromethane	9.281	129	522	0.272	ug/l #	11
64) Tetrachloroethene	9.281	164	489	0.331	ug/l	87
67) Ethyl Benzene	10.195	91	3644	0.477	ug/l #	87
68) m/p-Xylenes	10.311	106	746	0.251	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	42246	21.197	ug/l #	37
78) n-propylbenzene	11.305	91	3526	0.445	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	42246	65.937	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	1685	0.286	ug/l	98
90) Hexachloroethane	12.616	117	223	0.221	ug/l #	12
95) Naphthalene	13.774	128	5840	0.893	ug/l	99

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

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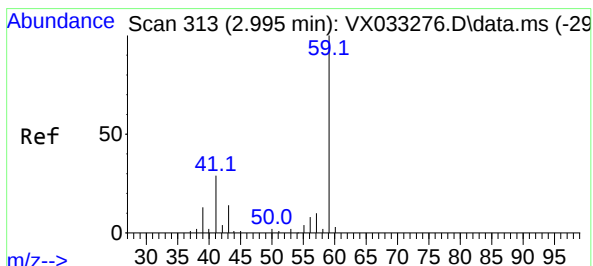
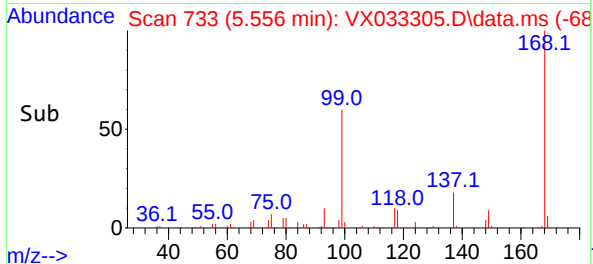
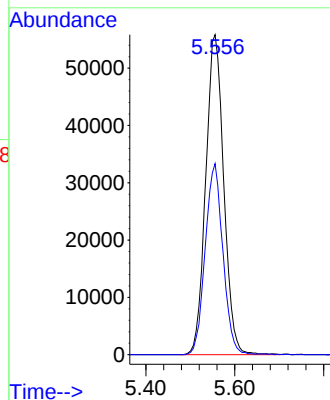
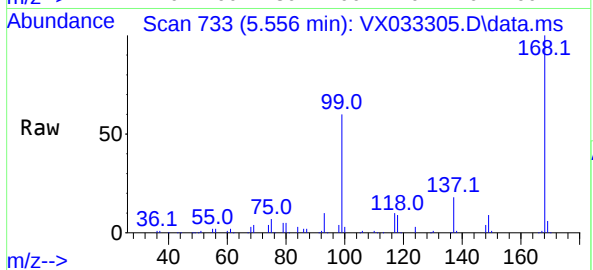




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

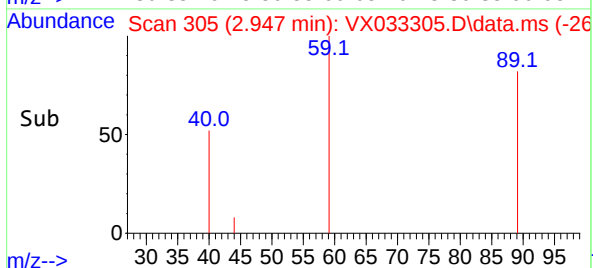
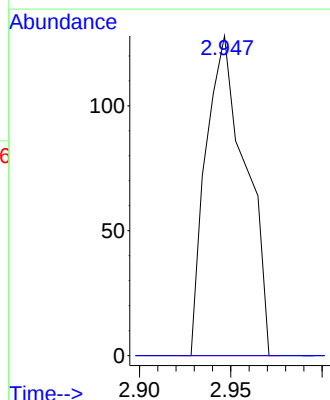
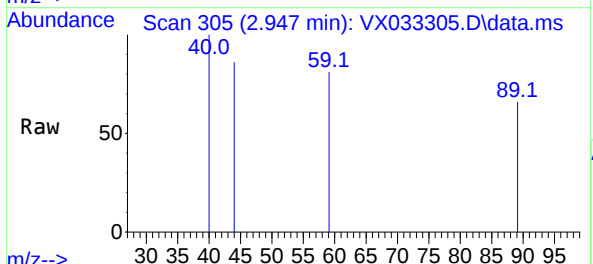
Instrument :
MSVOA_X
ClientSampleId :
MW-24

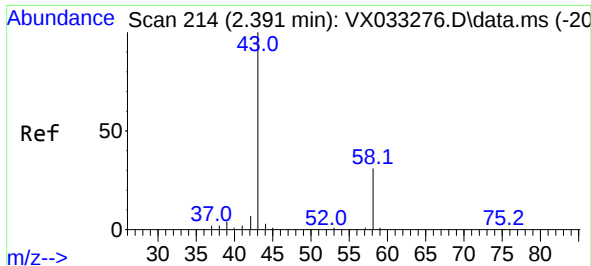
Tgt Ion:168 Resp: 157917
Ion Ratio Lower Upper
168 100
99 59.7 46.1 69.1



#11
Tert butyl alcohol
Concen: 0.626 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

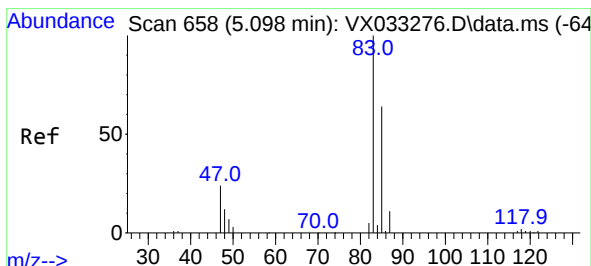
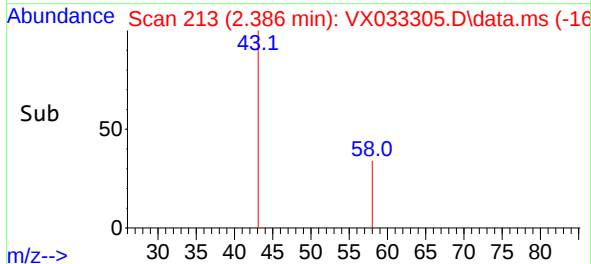
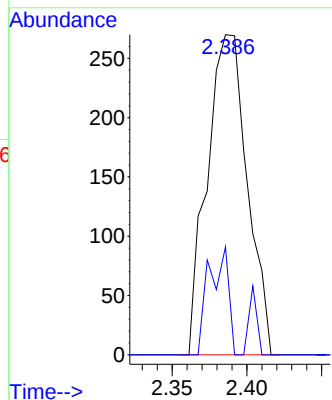
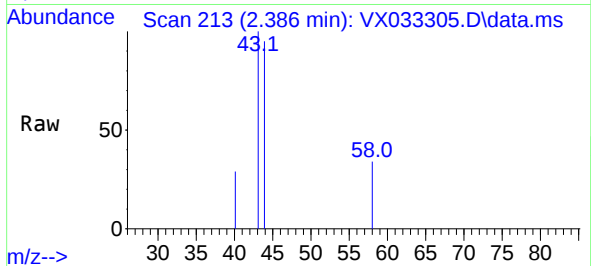




#16
Acetone
Concen: 0.672 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

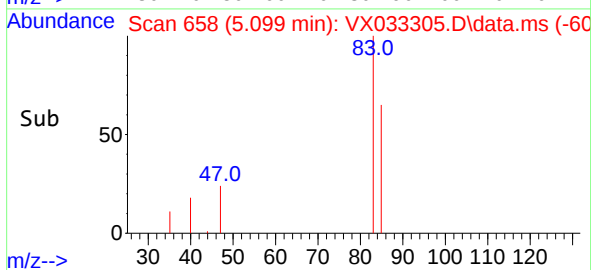
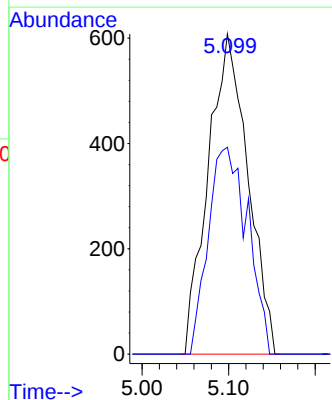
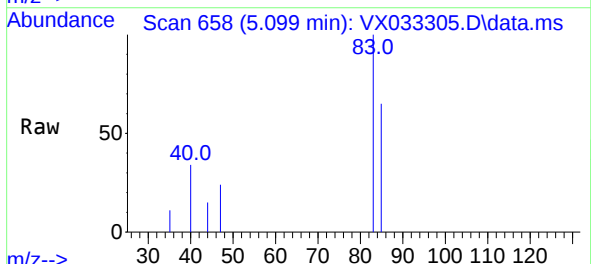
Instrument :
MSVOA_X
ClientSampleId :
MW-24

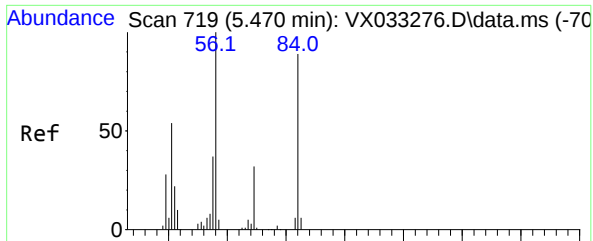
Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
58 33.7 23.8 35.8



#30
Chloroform
Concen: 0.607 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Tgt Ion: 83 Resp: 1940
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7

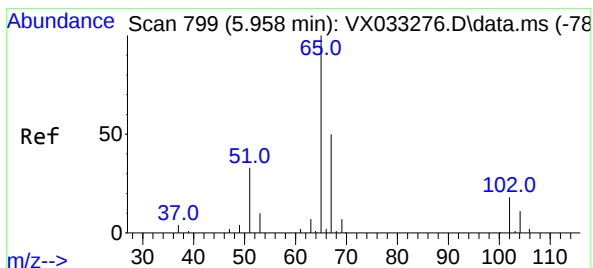
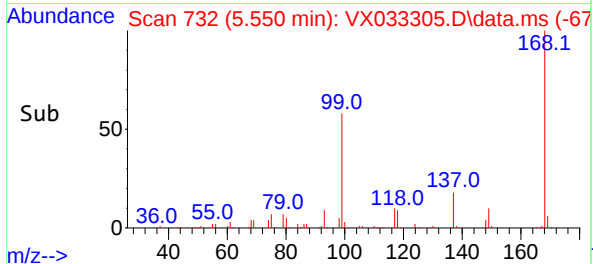
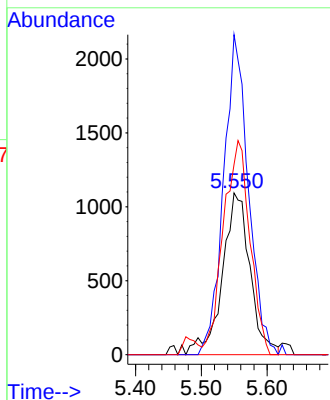
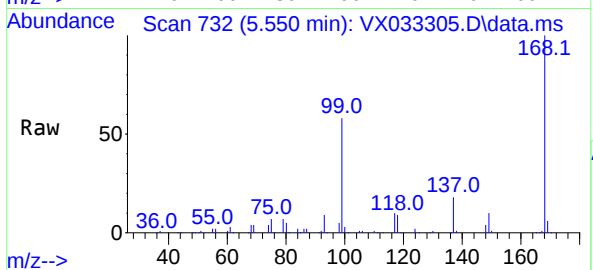




#31
Cyclohexane
Concen: 1.334 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

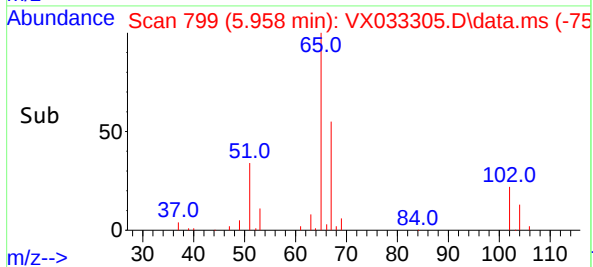
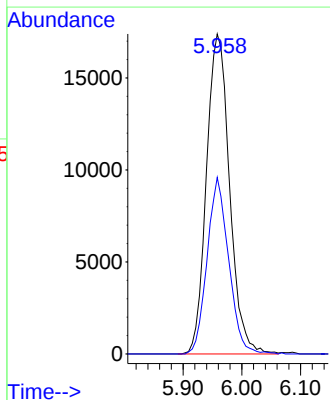
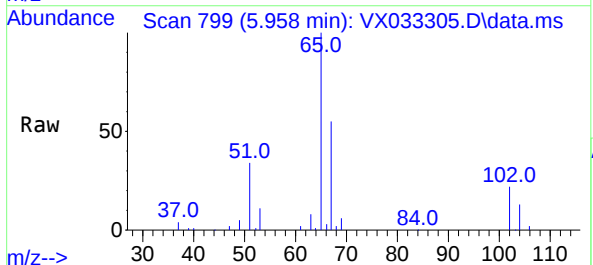
Instrument :
MSVOA_X
ClientSampleId :
MW-24

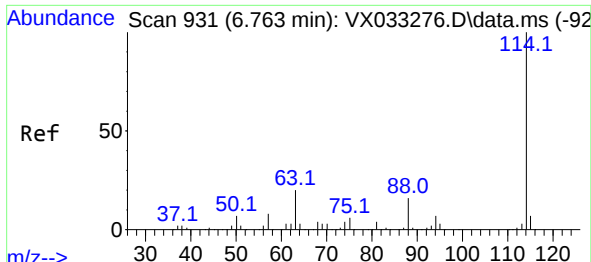
Tgt Ion: 56 Resp: 3211
Ion Ratio Lower Upper
56 100
69 197.8 24.1 36.1#
84 117.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 46.933 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Tgt Ion: 65 Resp: 47547
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.8

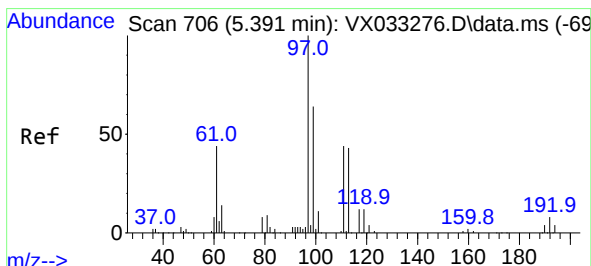
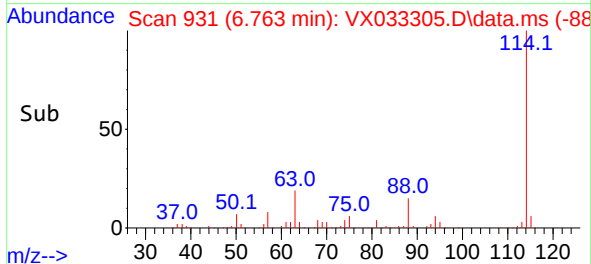
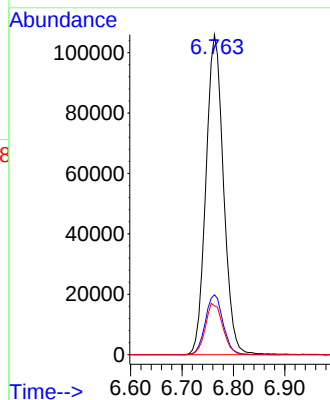
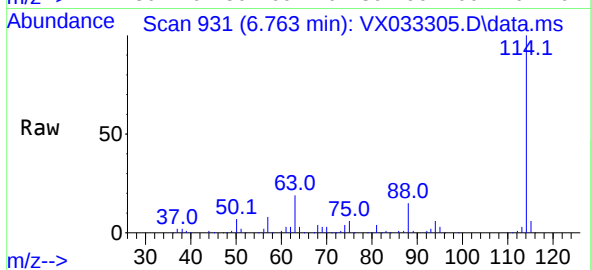




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

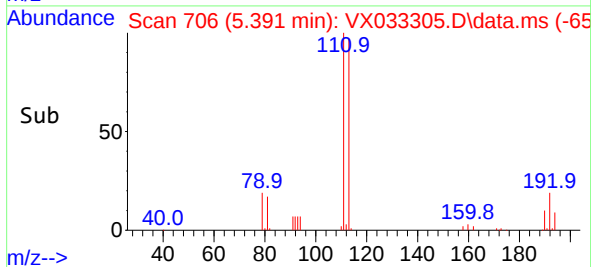
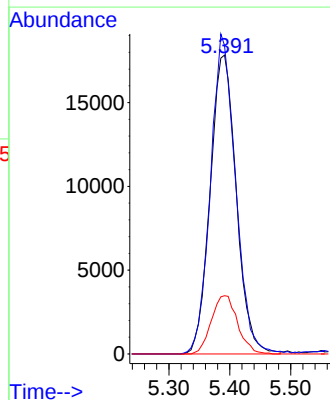
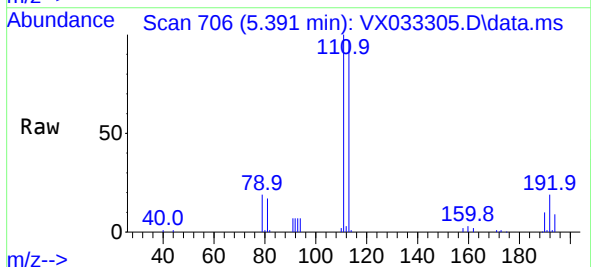
Instrument :
MSVOA_X
ClientSampleId :
MW-24

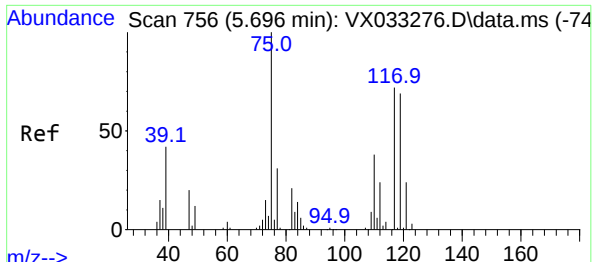
Tgt Ion:114 Resp: 250869
Ion Ratio Lower Upper
114 100
63 18.7 0.0 41.6
88 15.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.065 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Tgt Ion:113 Resp: 53106
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 19.6 15.4 23.2

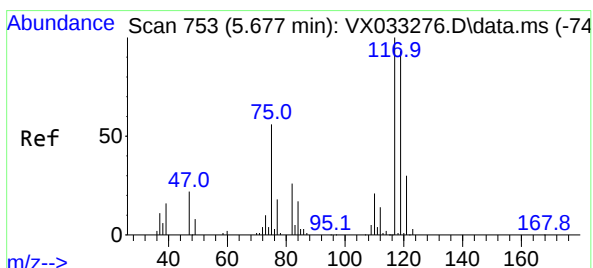
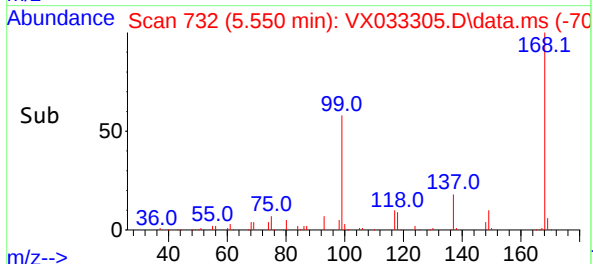
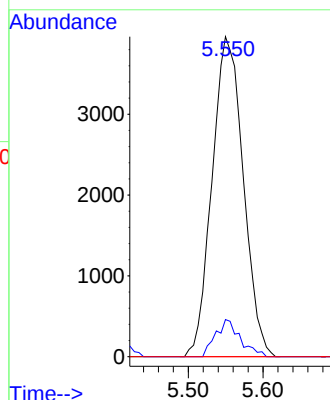
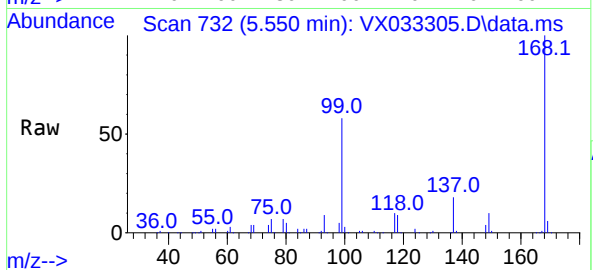




#36
1,1-Dichloropropene
Concen: 5.224 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

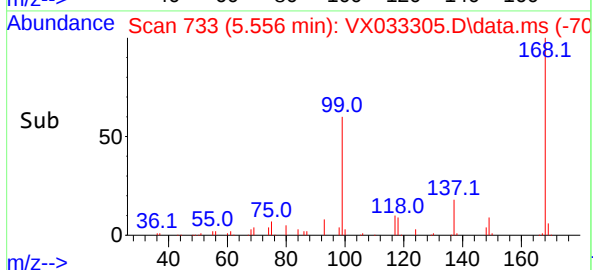
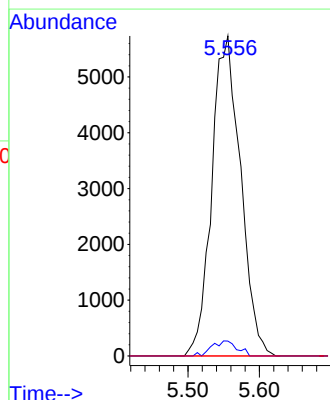
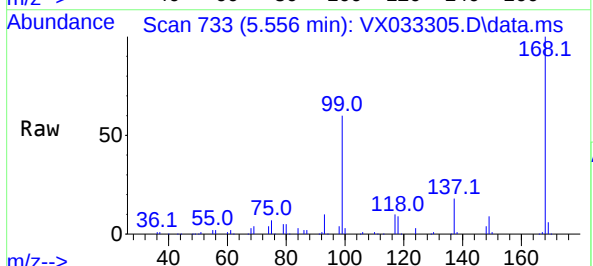
Instrument :
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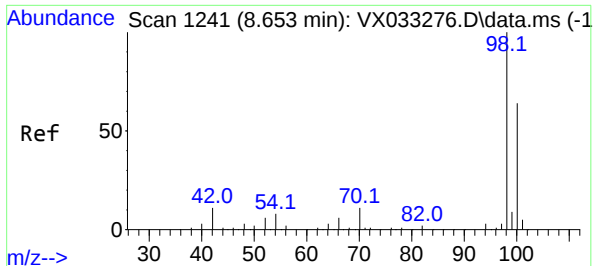
Tgt Ion: 75 Resp: 11493
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.495 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Tgt Ion: 117 Resp: 16008
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 47.515 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033305.D

Acq: 08 Dec 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

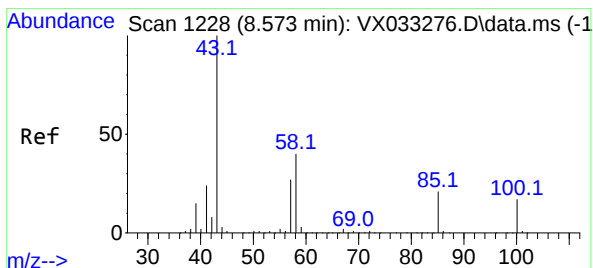
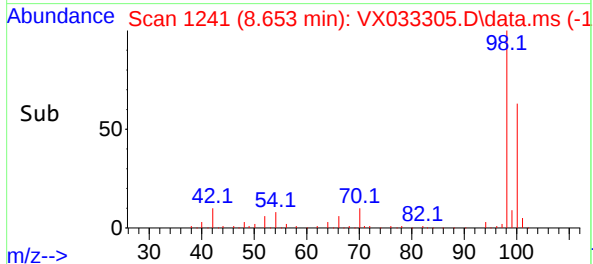
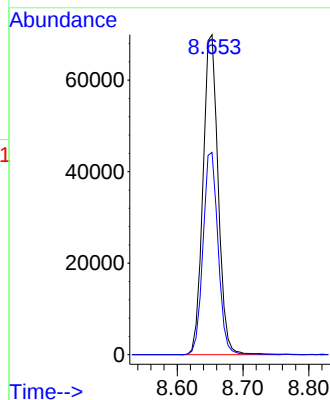
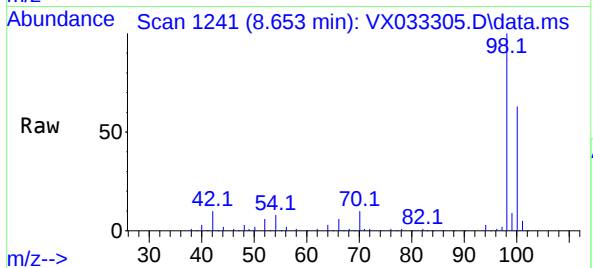
MW-24

Tgt Ion: 98 Resp: 112158

Ion Ratio Lower Upper

98 100

100 62.7 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.226 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX033305.D

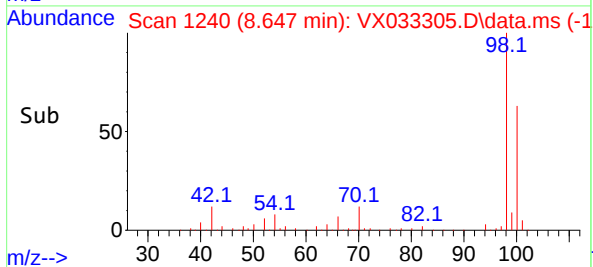
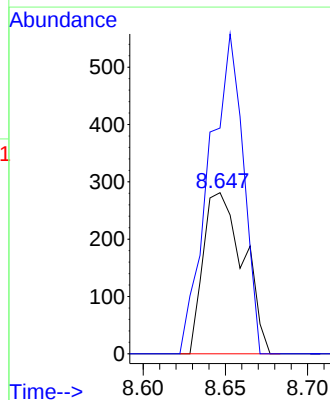
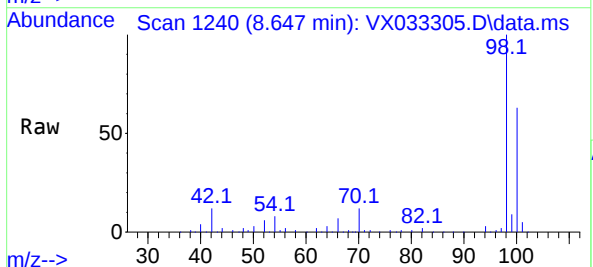
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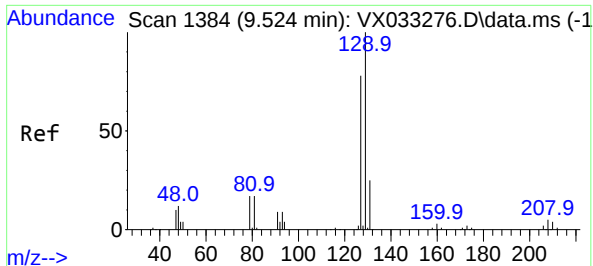
Tgt Ion: 43 Resp: 479

Ion Ratio Lower Upper

43 100

58 168.9 30.9 46.3#

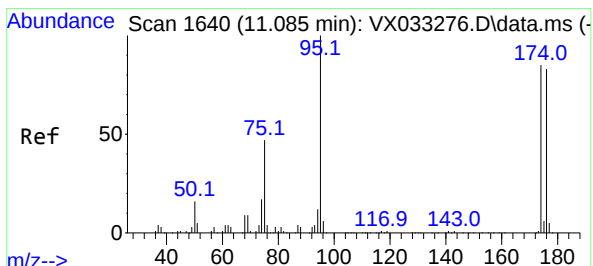
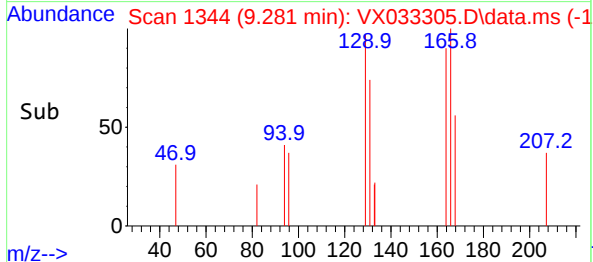
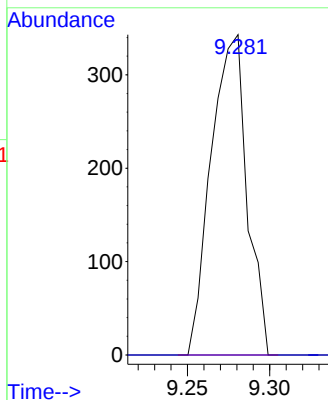
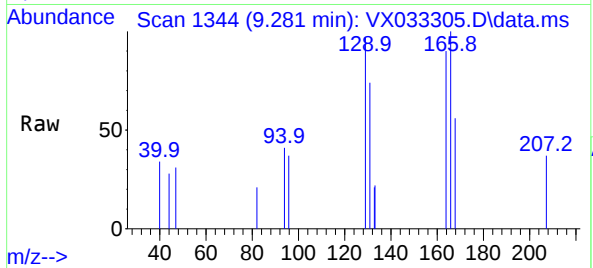




#60
Dibromochloromethane
Concen: 0.272 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

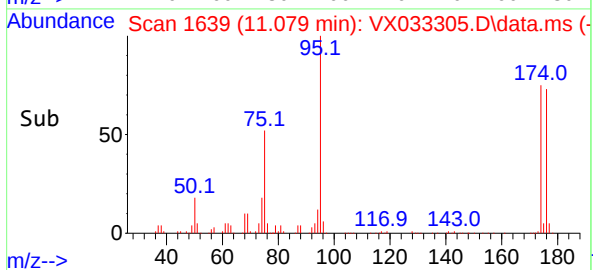
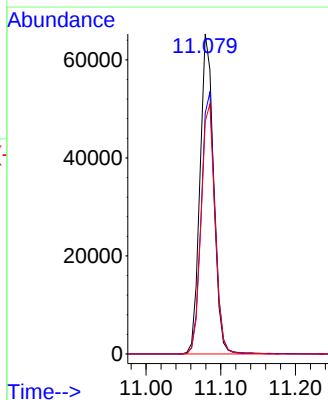
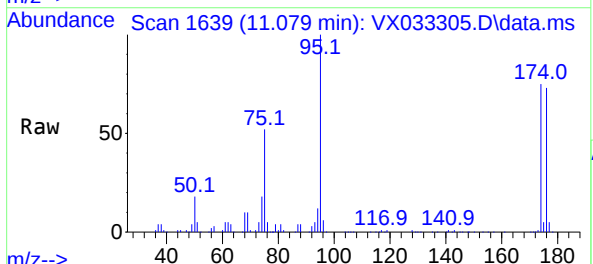
Instrument :
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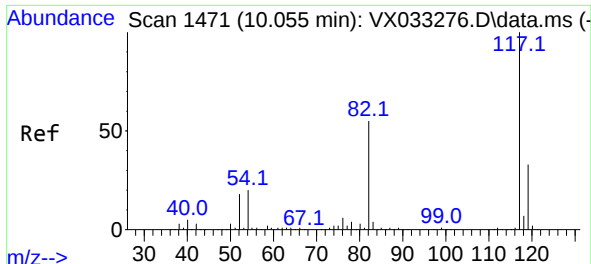
Tgt Ion:129 Resp: 522
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 45.701 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Tgt Ion: 95 Resp: 82484
Ion Ratio Lower Upper
95 100
174 82.9 0.0 164.0
176 80.0 0.0 154.4

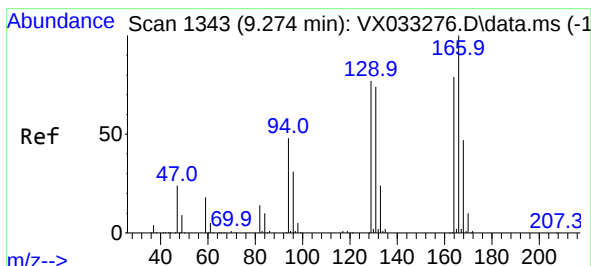
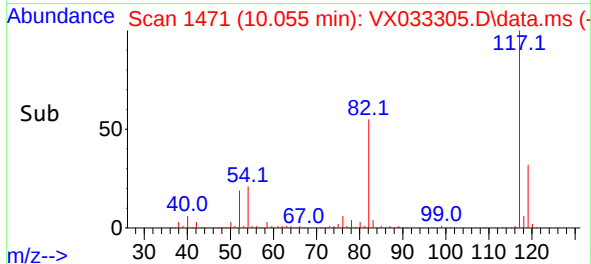
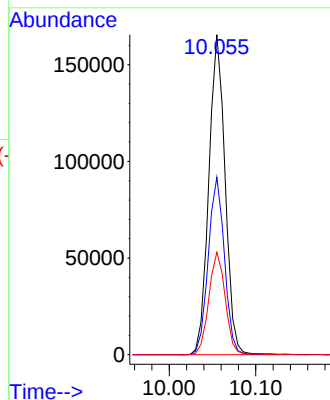
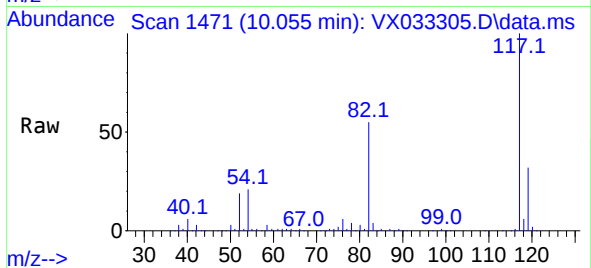




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

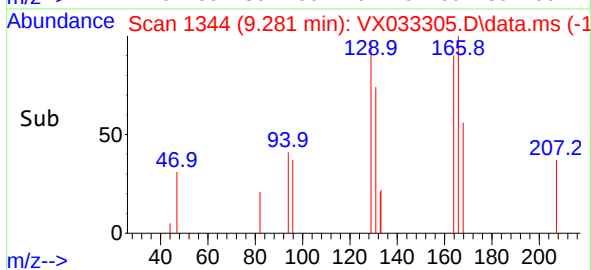
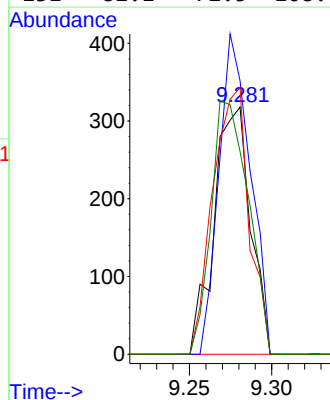
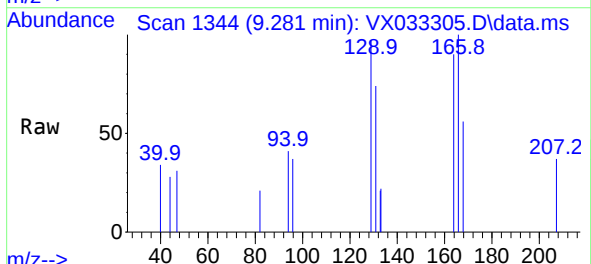
Instrument :
MSVOA_X
ClientSampleId :
MW-24

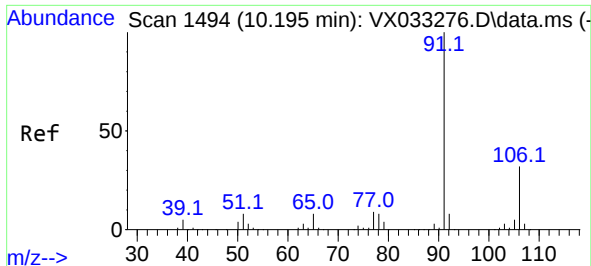
Tgt Ion:117 Resp: 216325
Ion Ratio Lower Upper
117 100
82 55.4 44.3 66.5
119 32.0 25.7 38.5



#64
Tetrachloroethene
Concen: 0.331 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Tgt Ion:164 Resp: 489
Ion Ratio Lower Upper
164 100
166 110.7 105.4 158.2
129 107.9 78.2 117.2
131 82.1 72.5 108.7





#67

Ethyl Benzene

Concen: 0.477 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX033305.D

Acq: 08 Dec 2022 00:33

Instrument :

MSVOA_X

ClientSampleId :

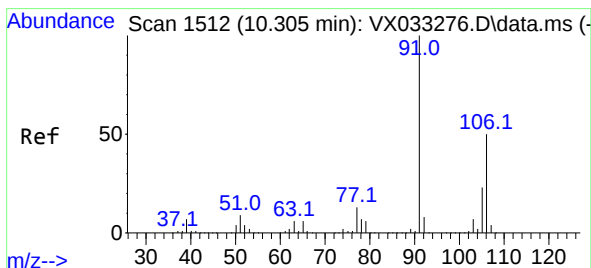
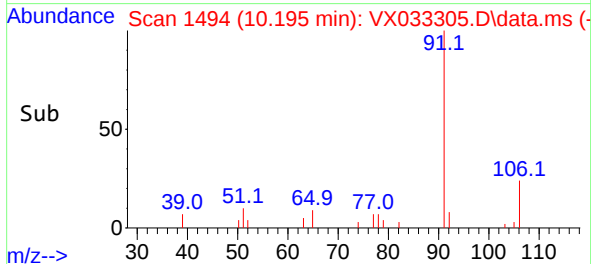
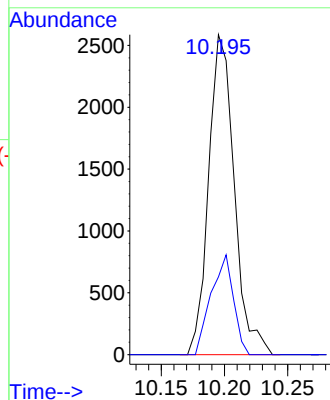
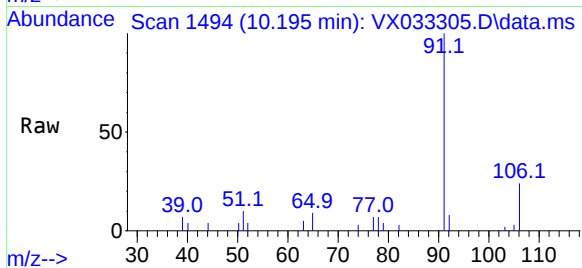
MW-24

Tgt Ion: 91 Resp: 3644

Ion Ratio Lower Upper

91 100

106 24.3 25.0 37.6#



#68

m/p-Xylenes

Concen: 0.251 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.006 min

Lab File: VX033305.D

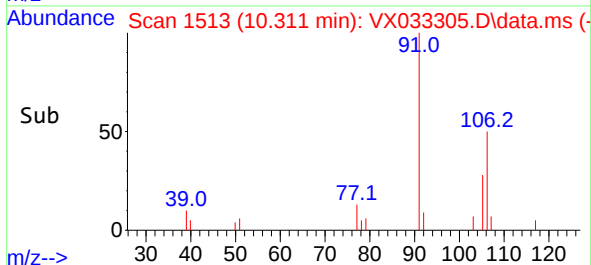
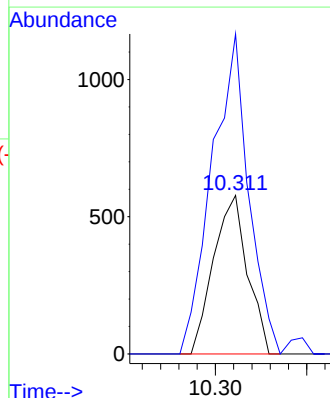
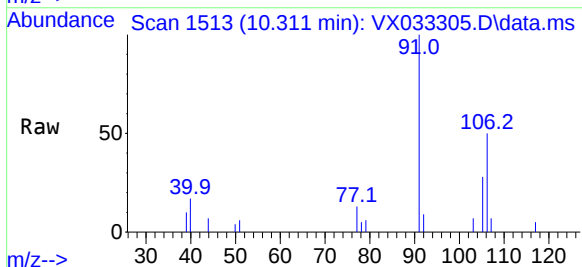
Acq: 08 Dec 2022 00:33

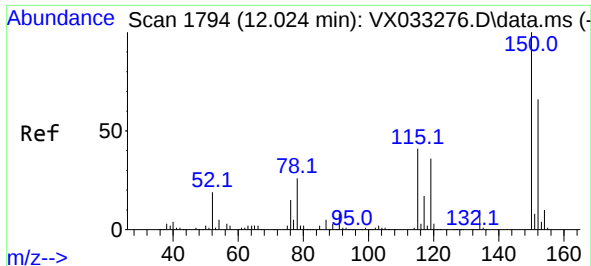
Tgt Ion: 106 Resp: 746

Ion Ratio Lower Upper

106 100

91 223.3 164.5 246.7

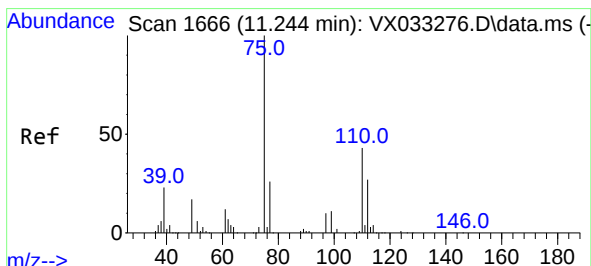
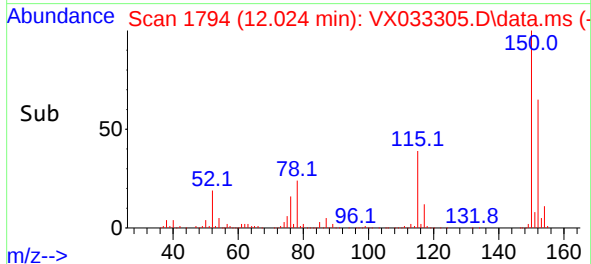
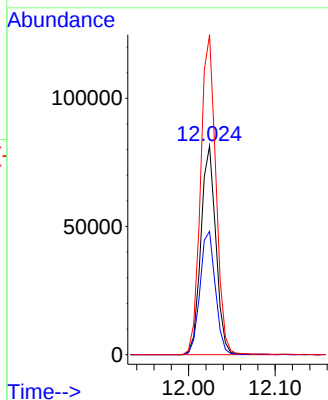
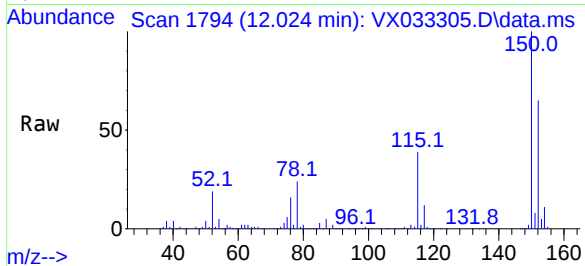




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

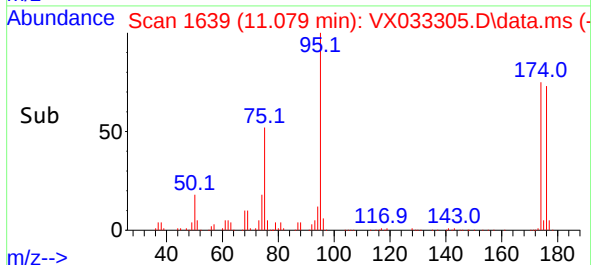
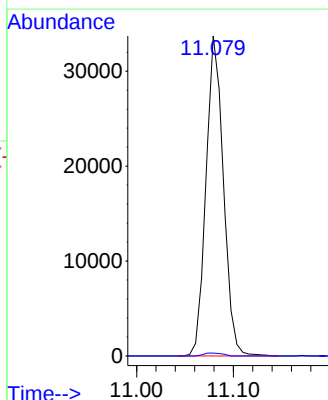
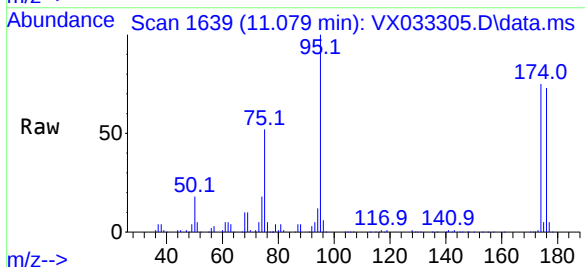
Instrument :
MSVOA_X
ClientSampleId :
MW-24

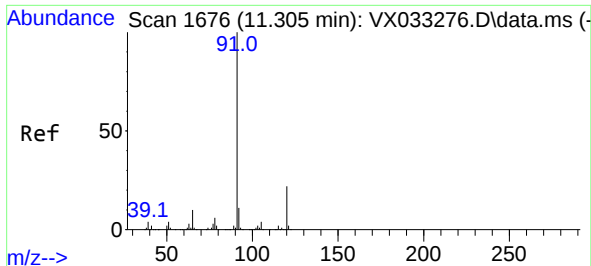
Tgt Ion:152 Resp: 97961
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 156.6 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 21.197 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Tgt Ion: 75 Resp: 42246
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#

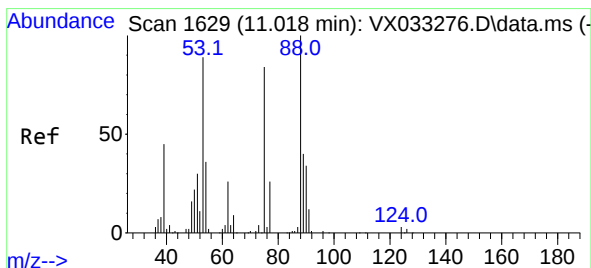
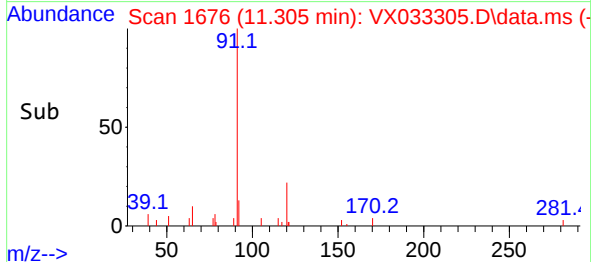
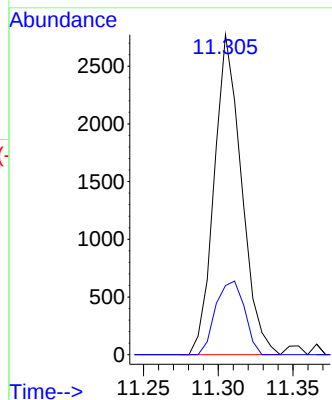
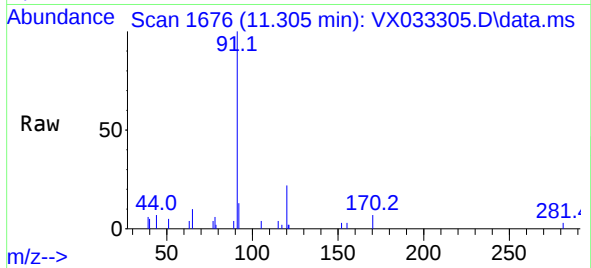




#78
n-propylbenzene
Concen: 0.445 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

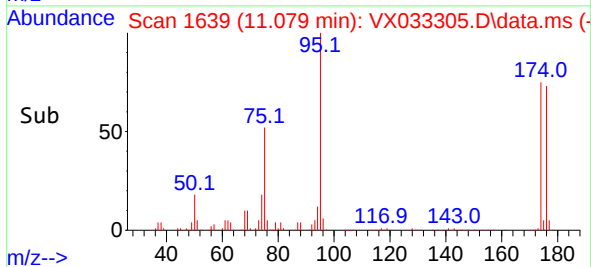
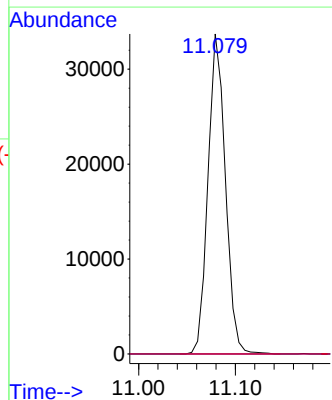
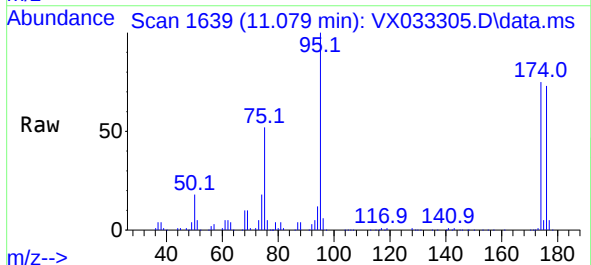
Instrument :
MSVOA_X
ClientSampleId :
MW-24

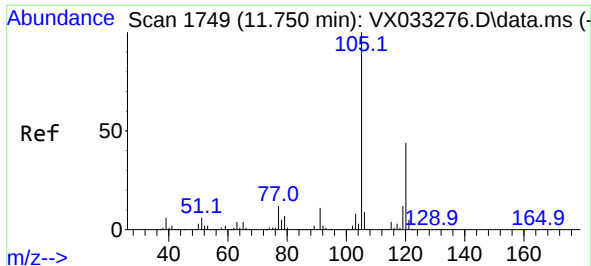
Tgt Ion: 91 Resp: 3526
Ion Ratio Lower Upper
91 100
120 24.2 11.6 34.8



#81
trans-1,4-Dichloro-2-butene
Concen: 65.937 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Tgt Ion: 75 Resp: 42246
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

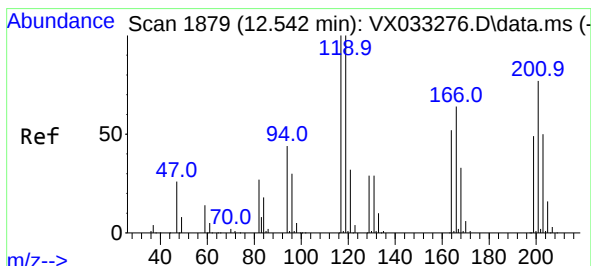
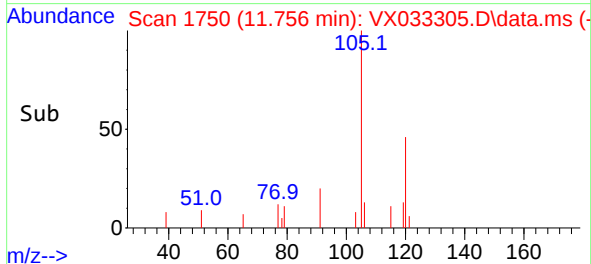
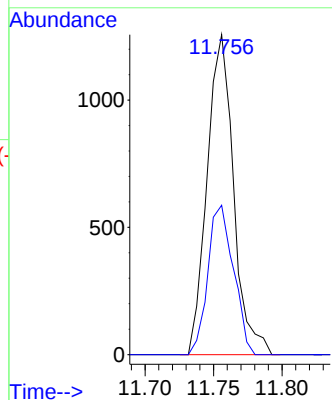
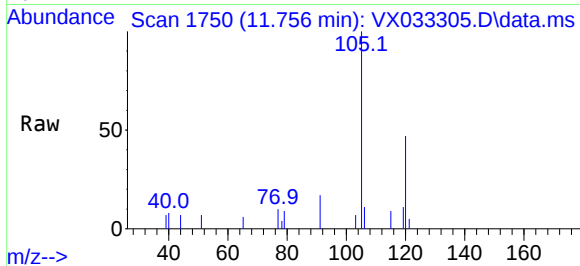




#84
1,2,4-Trimethylbenzene
Concen: 0.286 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

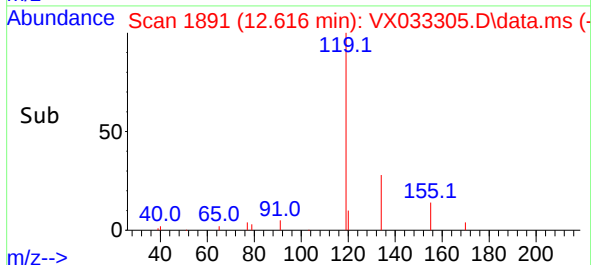
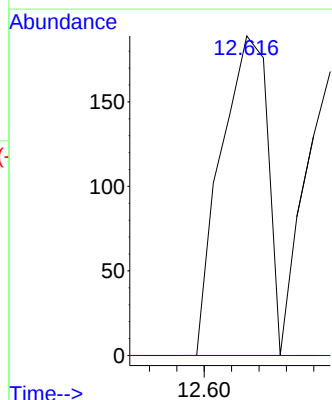
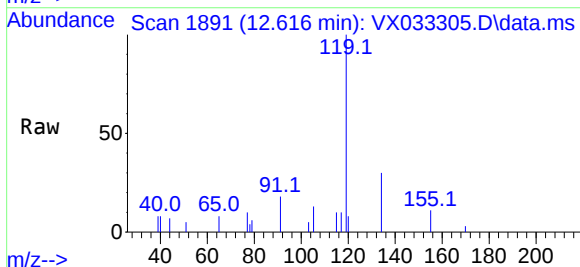
Instrument :
MSVOA_X
ClientSampleId :
MW-24

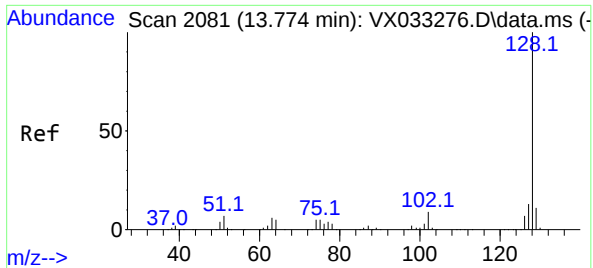
Tgt Ion:105 Resp: 1685
Ion Ratio Lower Upper
105 100
120 45.3 21.9 65.5



#90
Hexachloroethane
Concen: 0.221 ug/l
RT: 12.616 min Scan# 1891
Delta R.T. 0.073 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

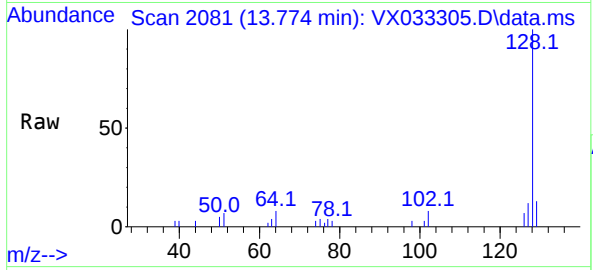
Tgt Ion:117 Resp: 223
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 0.893 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033305.D
Acq: 08 Dec 2022 00:33

Instrument :
MSVOA_X
ClientSampleId :
MW-24



Tgt Ion:	128	Resp:	5840
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.5	8.9	13.3

