

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111722\
 Data File : VX032898.D
 Acq On : 17 Nov 2022 14:30
 Operator : JC/MD
 Sample : N5671-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20221115

Quant Time: Nov 18 01:40:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

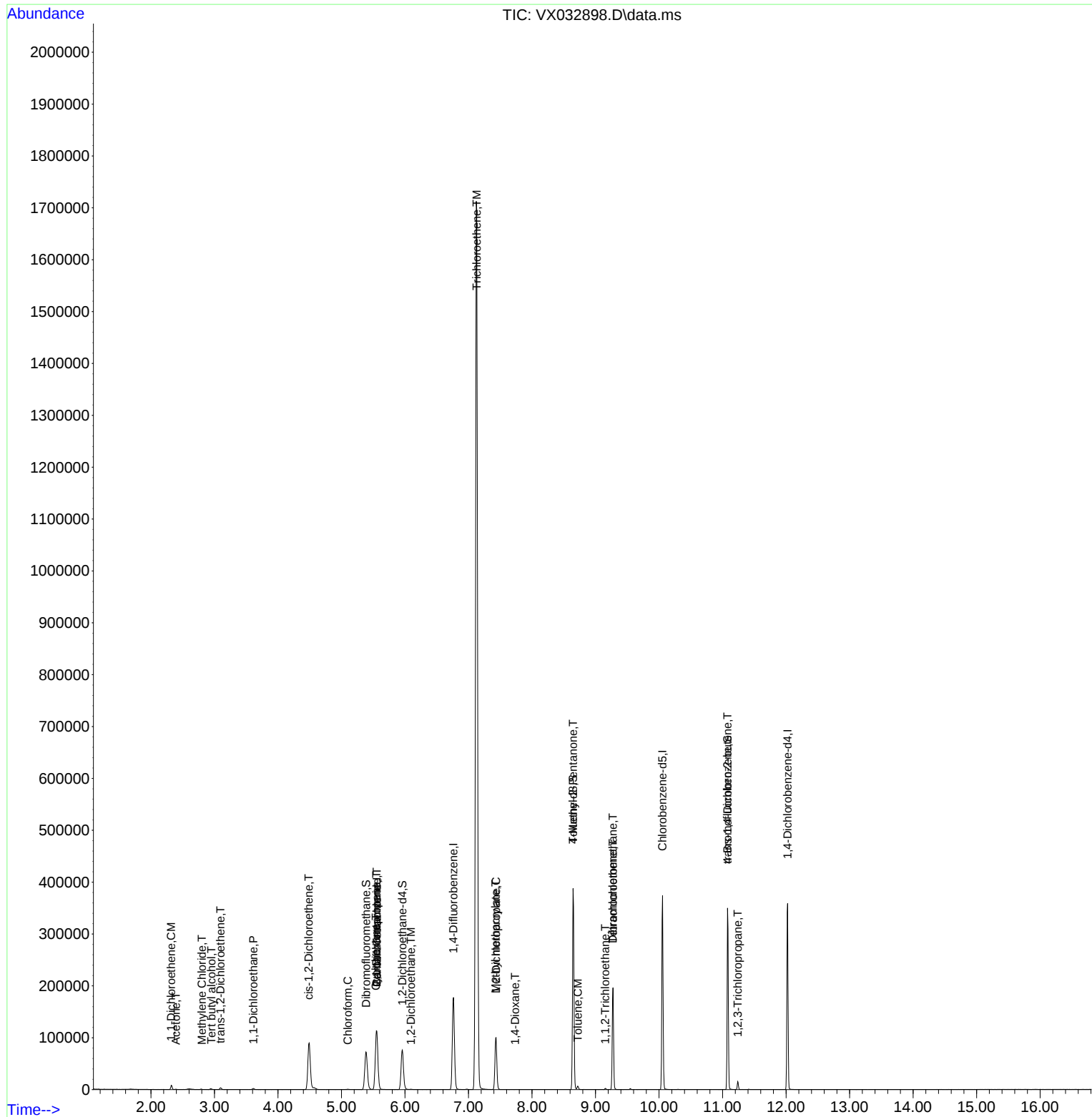
Internal Standards						
1) Pentafluorobenzene	5.556	168	108708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180611	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78064	51.682	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.360%	
35) Dibromofluoromethane	5.385	113	62364	48.407	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.820%	
50) Toluene-d8	8.647	98	227128	50.701	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.400%	
62) 4-Bromofluorobenzene	11.079	95	87168	49.813	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1052	4.785	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	2716	2.491	ug/l	91
16) Acetone	2.392	43	955	1.740	ug/l	97
20) Methylene Chloride	2.800	84	507	0.403	ug/l #	68
21) trans-1,2-Dichloroethene	3.093	96	1369	1.154	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	2737	1.266	ug/l #	91
27) cis-1,2-Dichloroethene	4.483	96	58874	42.921	ug/l	88
30) Chloroform	5.099	83	706	0.298	ug/l	90
31) Cyclohexane	5.544	56	2363	1.290	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	8246	4.596	ug/l #	51
38) Carbon Tetrachloride	5.556	117	11381	5.720	ug/l #	14
42) 1,2-Dichloroethane	6.092	62	816	0.393	ug/l	84
44) Trichloroethene	7.129	130	660042	461.837	ug/l	99
45) 1,2-Dichloropropane	7.434	63	38465	29.515	ug/l	100
48) Methyl methacrylate	7.428	41	22126	14.942	ug/l #	39
49) 1,4-Dioxane	7.732	88	20	0.709	ug/l #	26
51) 4-Methyl-2-Pentanone	8.647	43	1091	0.604	ug/l #	1
52) Toluene	8.720	92	2498	0.754	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	612	0.439	ug/l #	87
60) Dibromochloromethane	9.275	129	34291	22.506	ug/l #	11
64) Tetrachloroethene	9.275	164	35373	29.541	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	4818	2.864	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.079	75	47211	89.295	ug/l #	6

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

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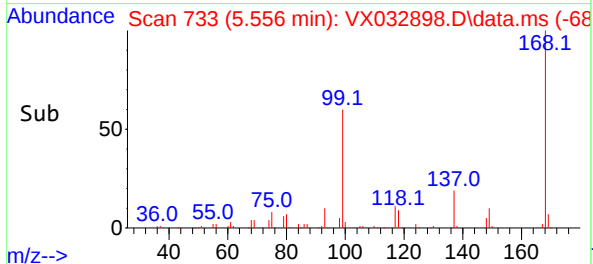
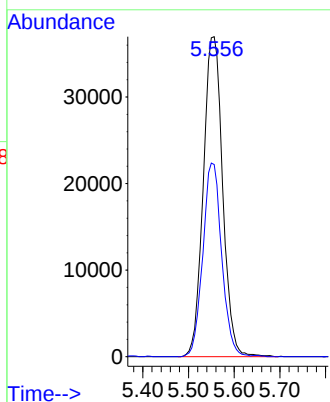
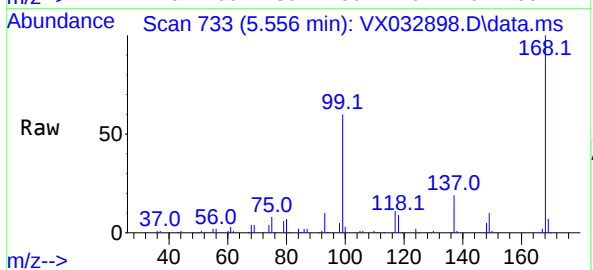




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

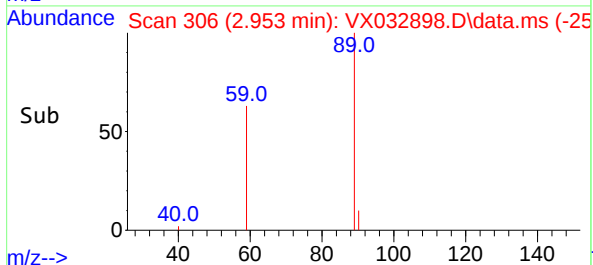
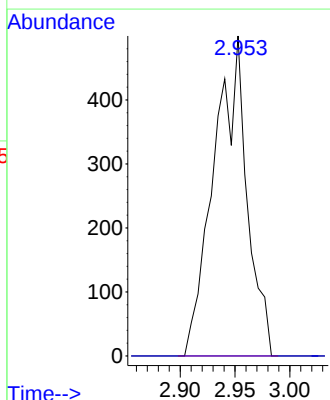
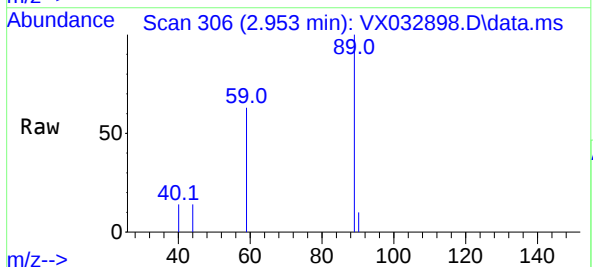
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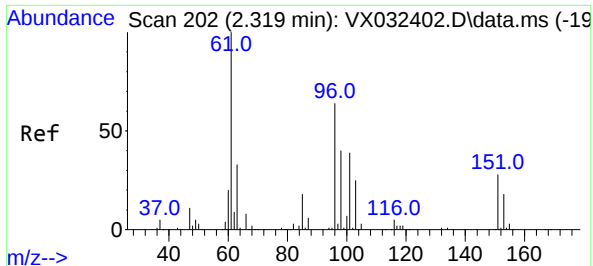
Tgt Ion:168 Resp: 108708
Ion Ratio Lower Upper
168 100
99 60.0 46.1 69.1



#11
Tert butyl alcohol
Concen: 4.785 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion: 59 Resp: 1052
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

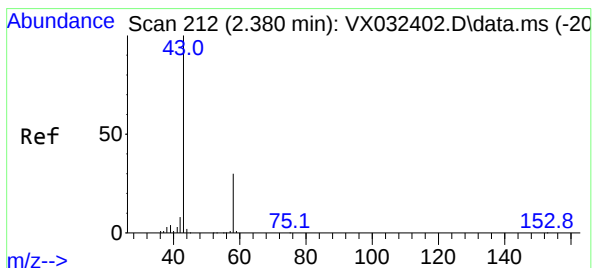
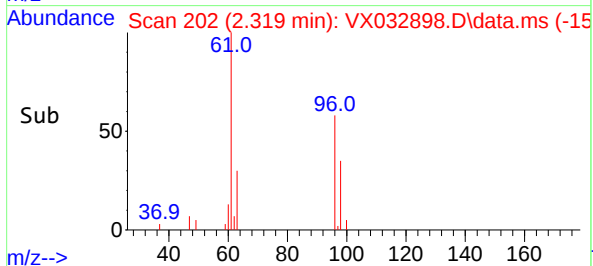
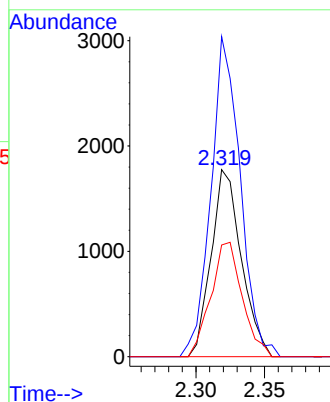
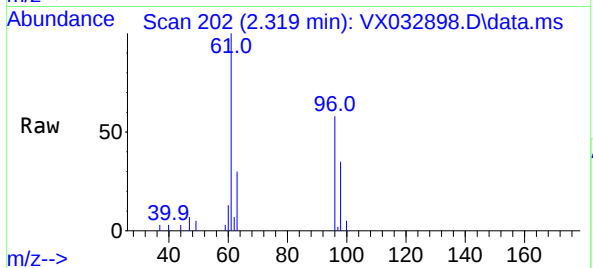




#12
1,1-Dichloroethene
Concen: 2.491 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

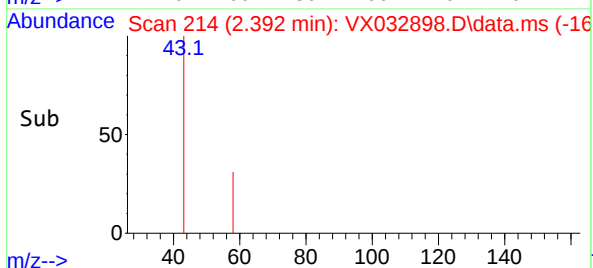
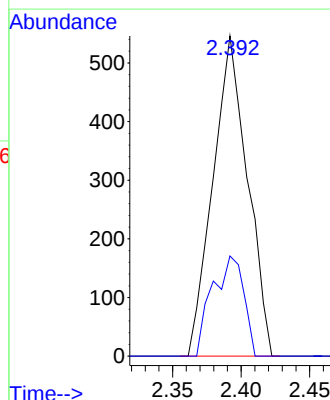
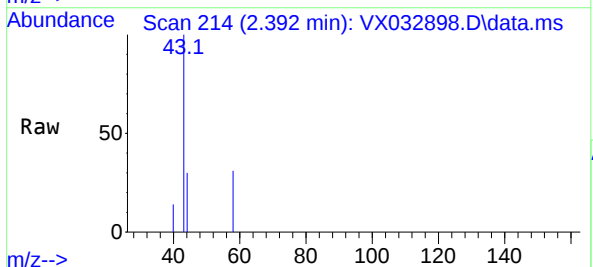
Instrument :
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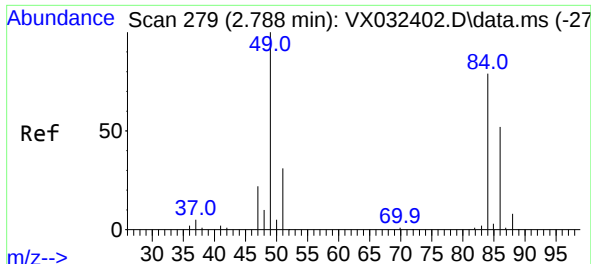
Tgt Ion: 96 Resp: 2716
Ion Ratio Lower Upper
96 100
61 171.1 125.1 187.7
98 59.7 50.6 76.0



#16
Acetone
Concen: 1.740 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
58 31.3 23.8 35.8



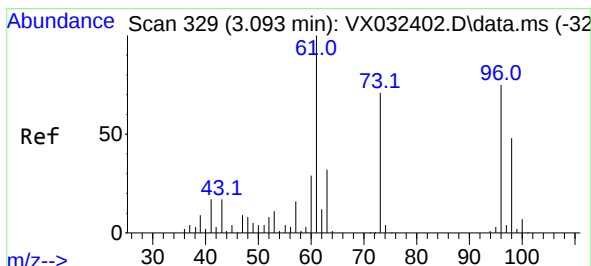
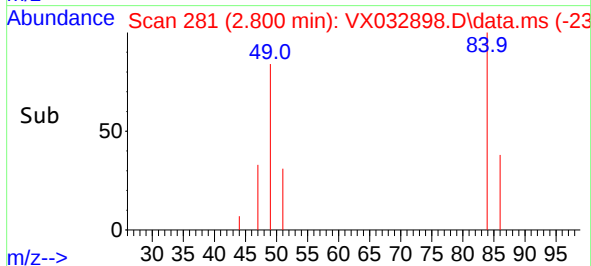
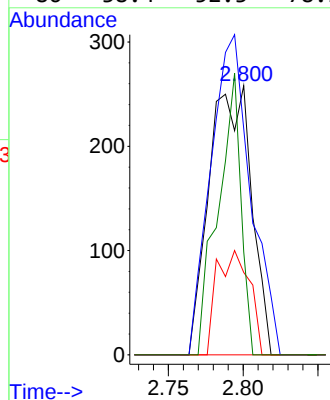
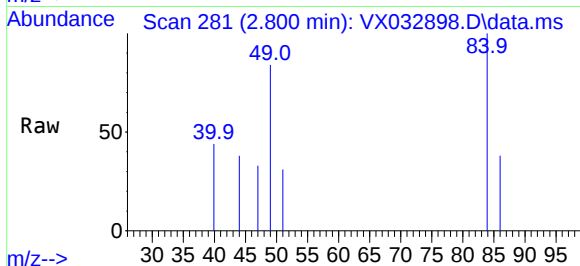


#20
Methylene Chloride
Concen: 0.403 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115

Tgt Ion: 84 Resp: 507

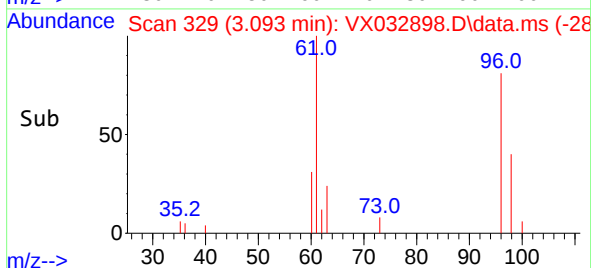
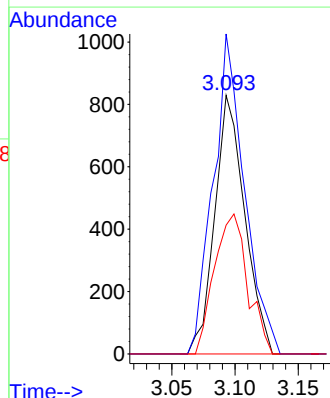
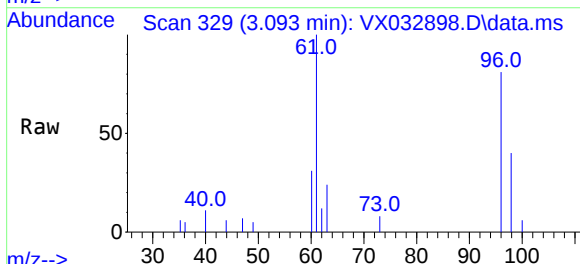
Ion	Ratio	Lower	Upper
84	100		
49	84.1	101.0	151.6#
51	30.6	31.1	46.7#
86	38.4	52.3	78.5#

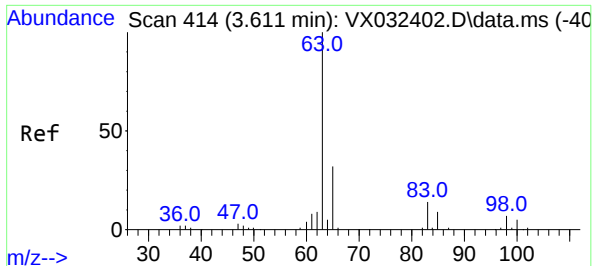


#21
trans-1,2-Dichloroethene
Concen: 1.154 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion: 96 Resp: 1369

Ion	Ratio	Lower	Upper
96	100		
61	123.8	106.6	160.0
98	49.8	51.0	76.6#

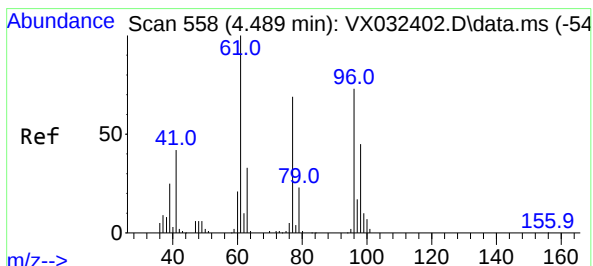
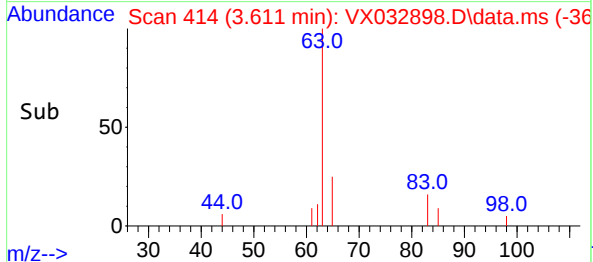
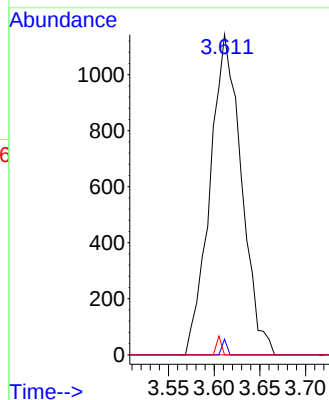
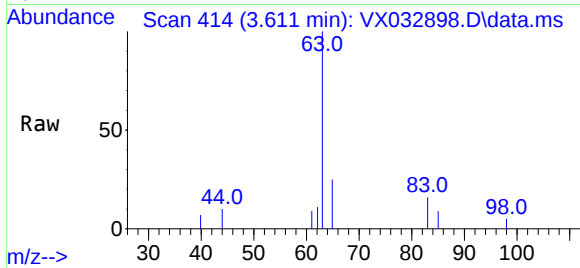




#24
1,1-Dichloroethane
Concen: 1.266 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

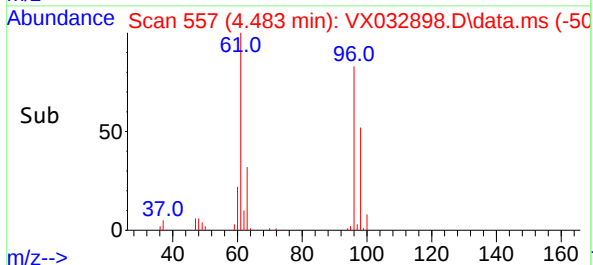
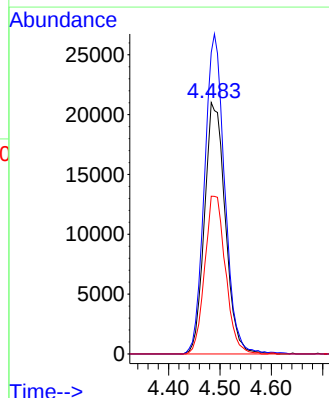
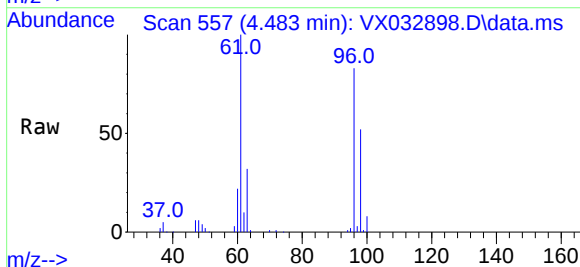
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115

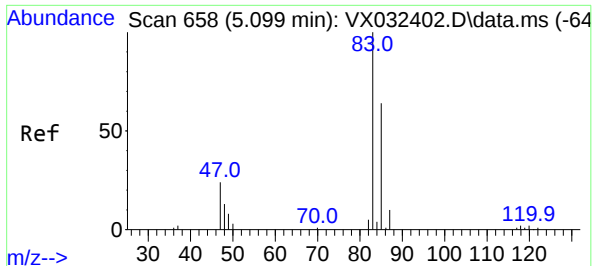
Tgt Ion:	63	Resp:	2737
Ion	Ratio	Lower	Upper
63	100		
98	4.9	3.5	10.4
100	0.0	2.3	6.8



#27
cis-1,2-Dichloroethene
Concen: 42.921 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion:	96	Resp:	58874
Ion	Ratio	Lower	Upper
96	100		
61	123.7	0.0	286.0
98	62.8	0.0	129.6

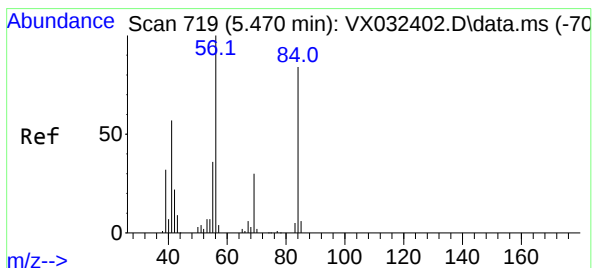
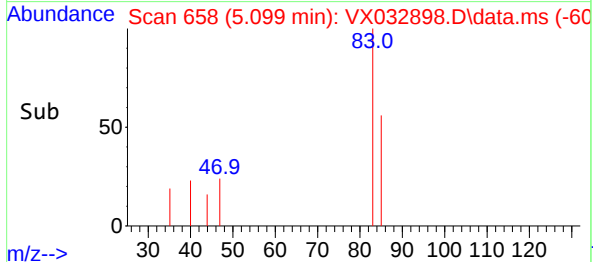
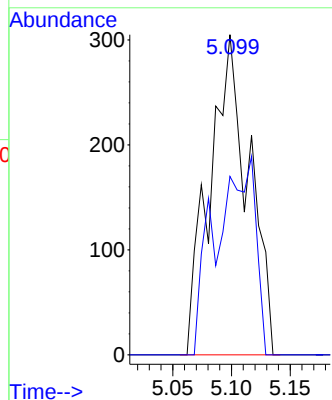
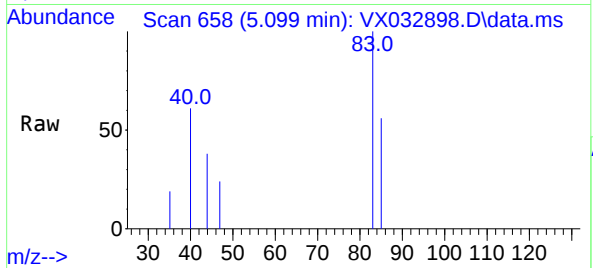




#30
Chloroform
Concen: 0.298 ug/l
RT: 5.099 min Scan# 610
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

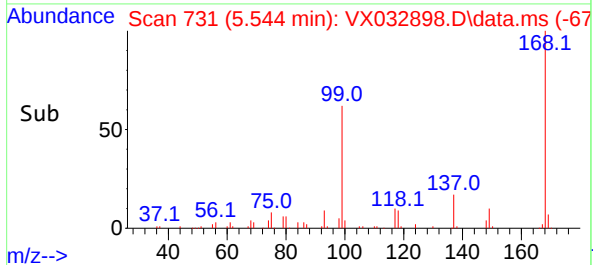
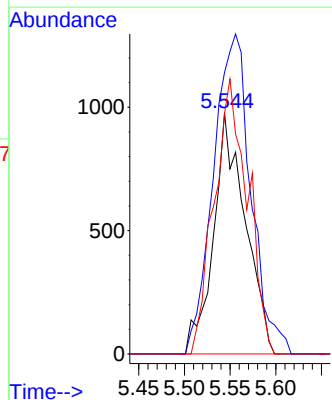
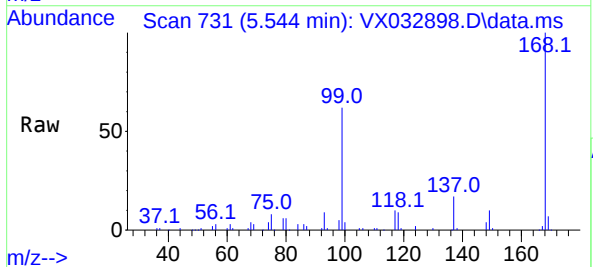
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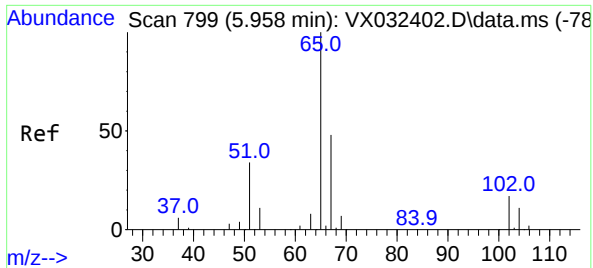
Tgt Ion: 83 Resp: 706
Ion Ratio Lower Upper
83 100
85 55.7 51.1 76.7



#31
Cyclohexane
Concen: 1.290 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion: 56 Resp: 2363
Ion Ratio Lower Upper
56 100
69 116.7 24.1 36.1#
84 99.7 66.9 100.3

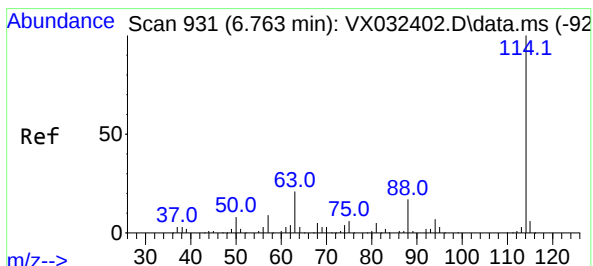
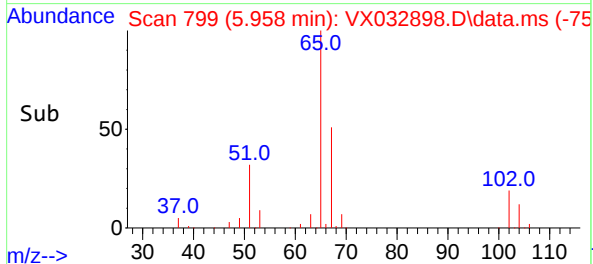
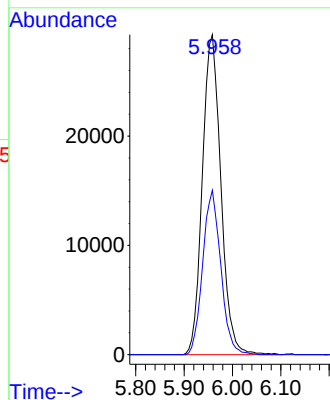
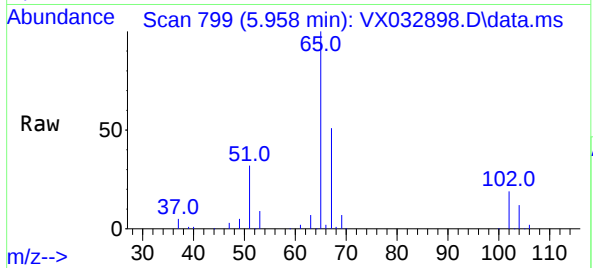




#33
 1,2-Dichloroethane-d4
 Concen: 51.682 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032898.D
 Acq: 17 Nov 2022 14:30

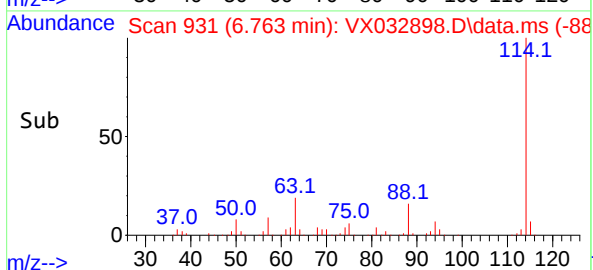
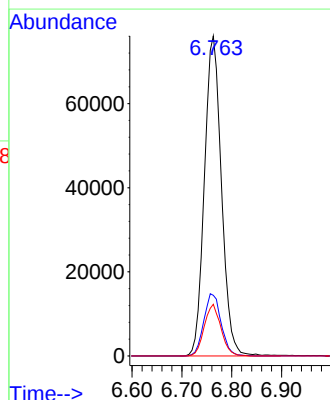
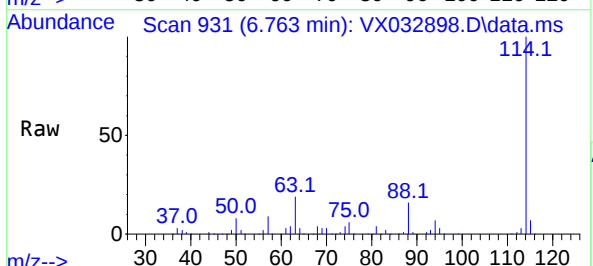
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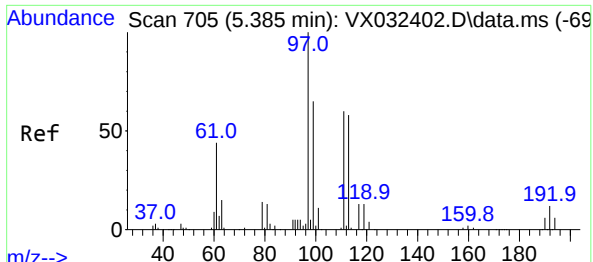
Tgt Ion: 65 Resp: 78064
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032898.D
 Acq: 17 Nov 2022 14:30

Tgt Ion: 114 Resp: 180611
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 41.6
 88 16.1 0.0 33.4

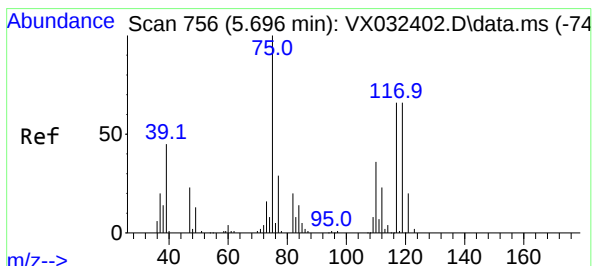
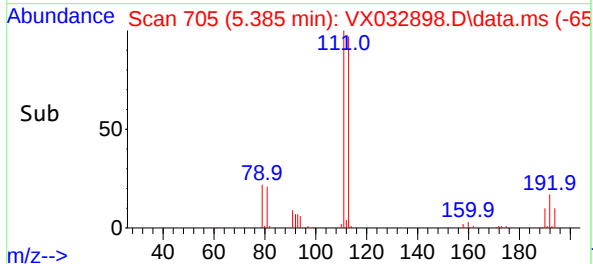
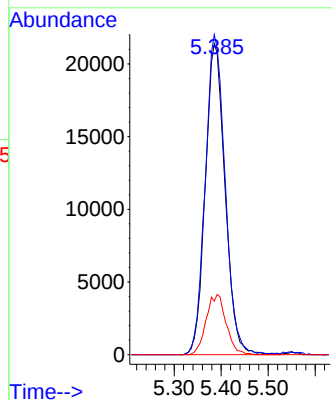
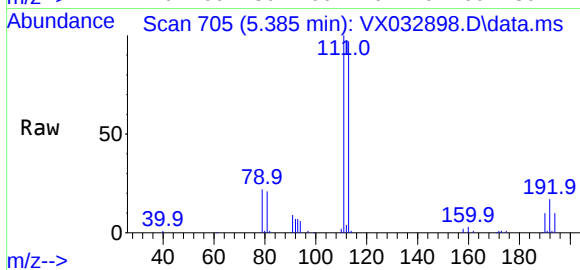




#35
Dibromofluoromethane
Concen: 48.407 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

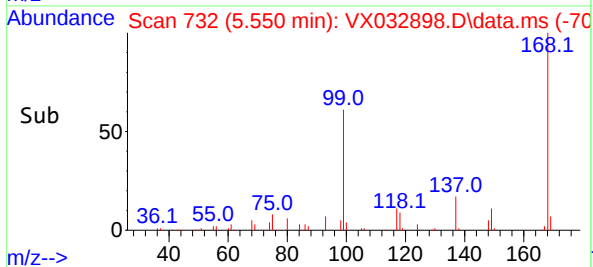
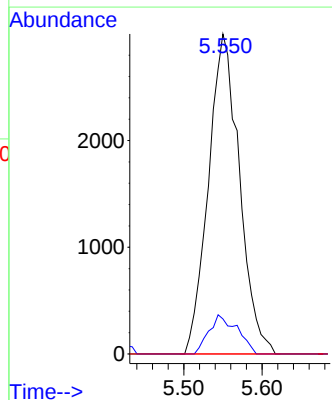
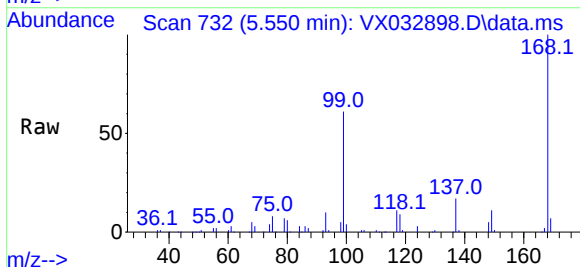
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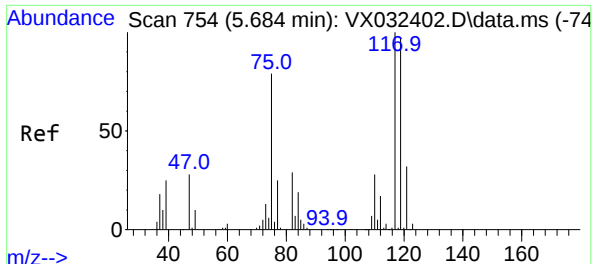
Tgt Ion:113 Resp: 62364
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 19.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

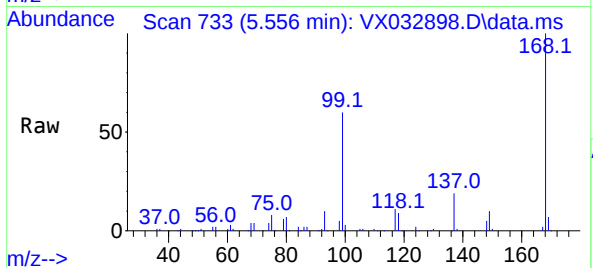
Tgt Ion: 75 Resp: 8246
Ion Ratio Lower Upper
75 100
110 11.1 18.4 55.2#
77 0.0 24.5 36.7#



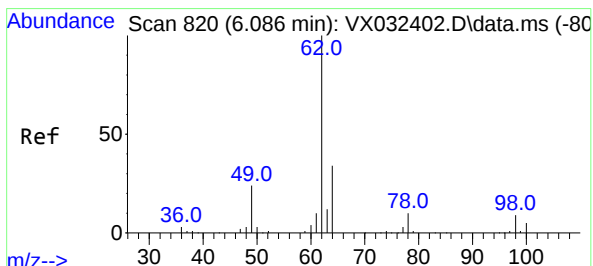
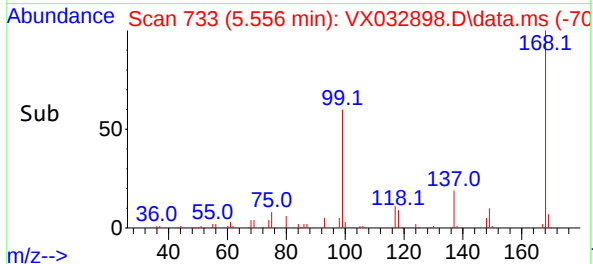
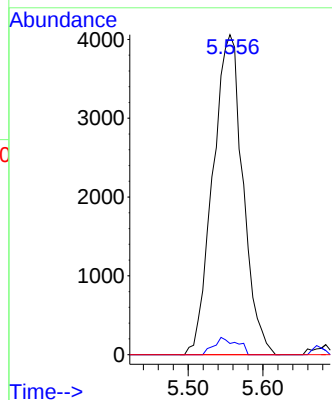


#38
Carbon Tetrachloride
Concen: 5.720 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115

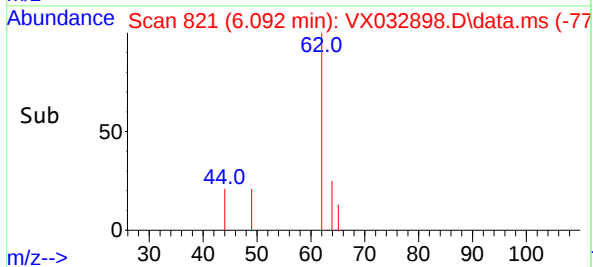
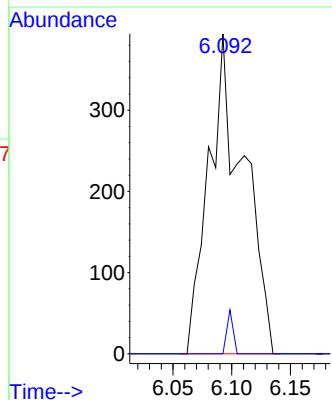
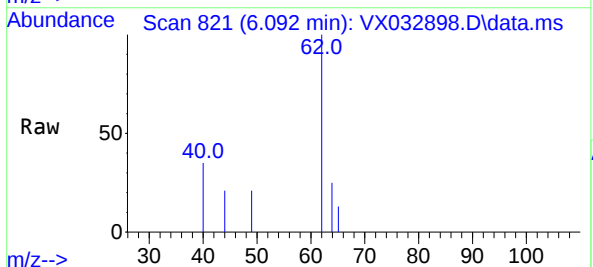


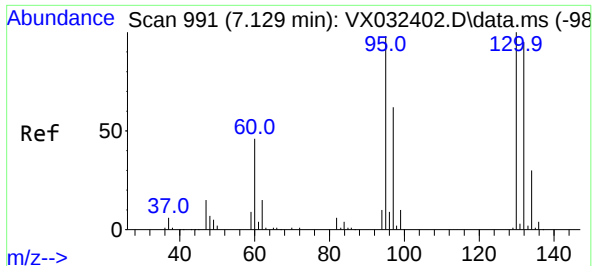
Tgt Ion:117 Resp: 11381
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 25.8 38.6#



#42
1,2-Dichloroethane
Concen: 0.393 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion: 62 Resp: 816
Ion Ratio Lower Upper
62 100
98 2.5 0.0 16.0

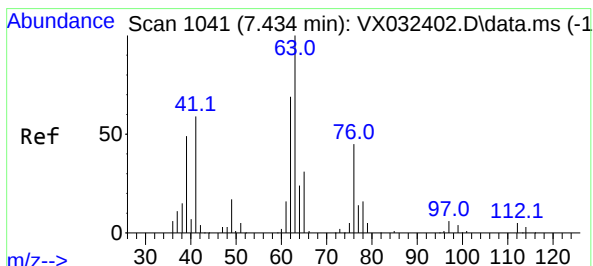
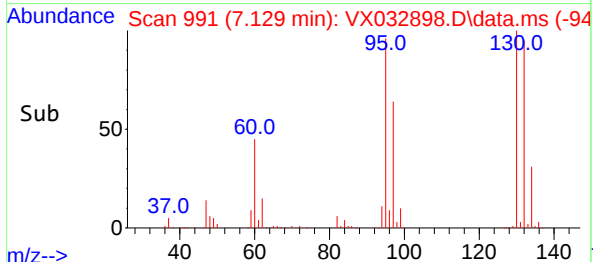
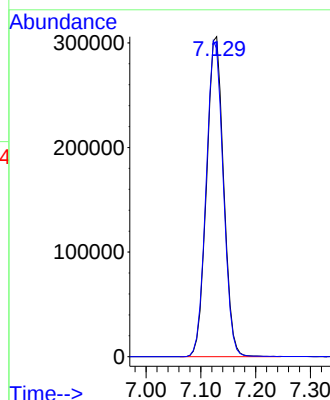
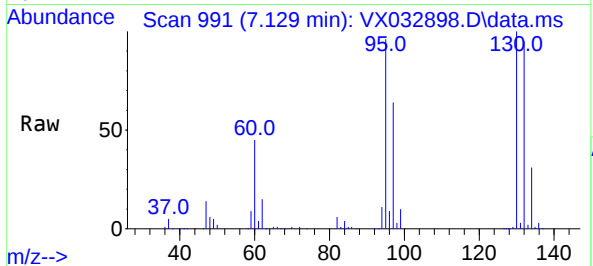




#44
Trichloroethene
Concen: 461.837 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

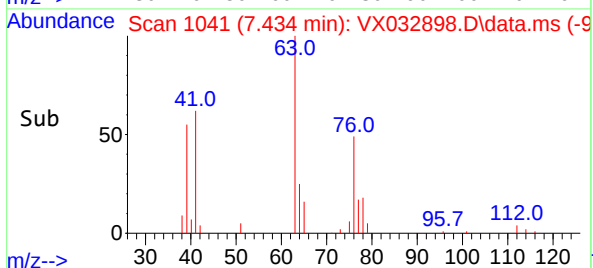
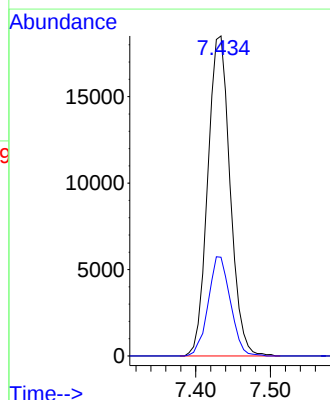
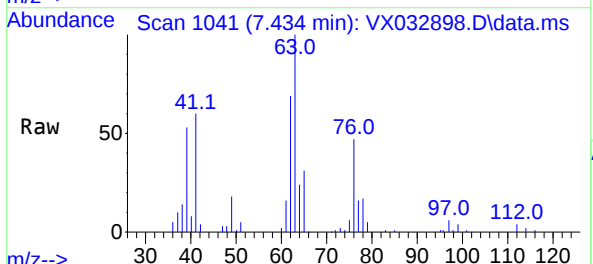
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115

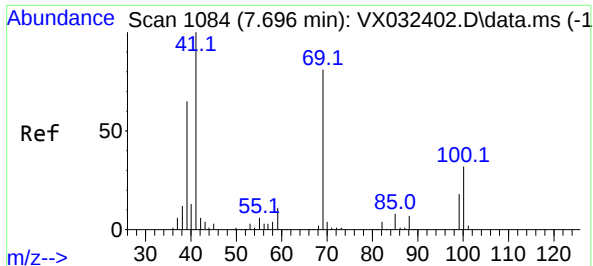
Tgt Ion:130 Resp: 660042
Ion Ratio Lower Upper
130 100
95 96.3 0.0 195.2



#45
1,2-Dichloropropane
Concen: 29.515 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion: 63 Resp: 38465
Ion Ratio Lower Upper
63 100
65 30.9 24.6 36.8

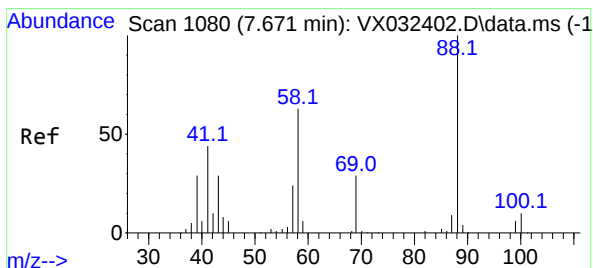
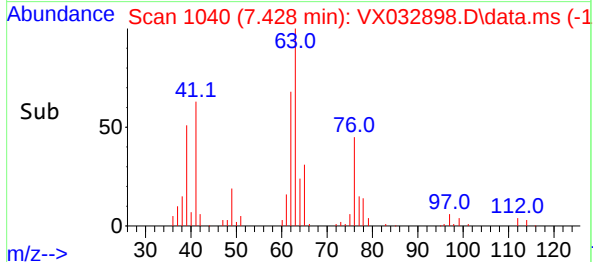
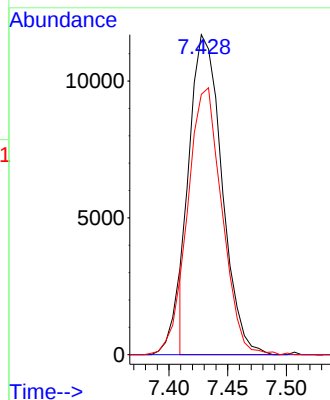
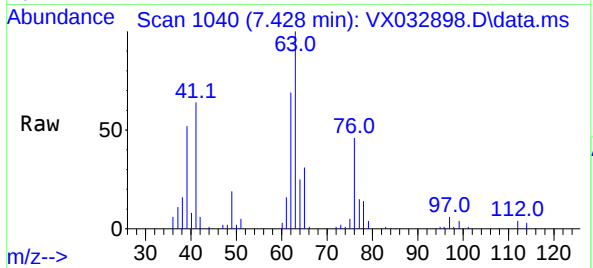




#48
Methyl methacrylate
Concen: 14.942 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. -0.268 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

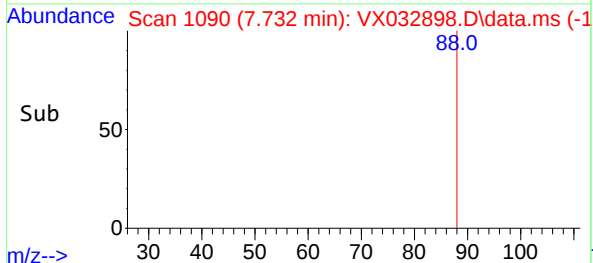
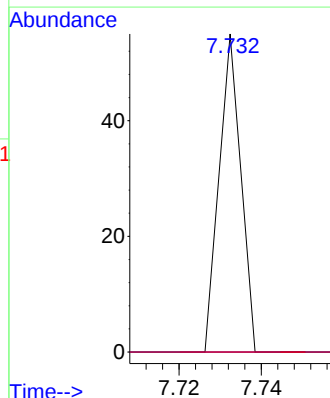
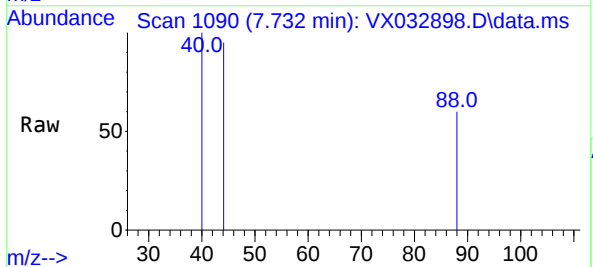
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115

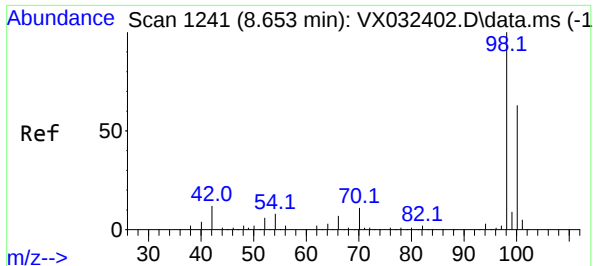
Tgt Ion: 41 Resp: 22126
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 82.8 51.9 77.9#



#49
1,4-Dioxane
Concen: 0.709 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.061 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 0.0 51.7 77.5#





#50

Toluene-d8

Concen: 50.701 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032898.D

Acq: 17 Nov 2022 14:30

Instrument :

MSVOA_X

ClientSampleId :

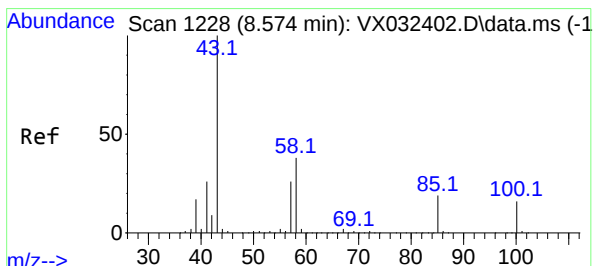
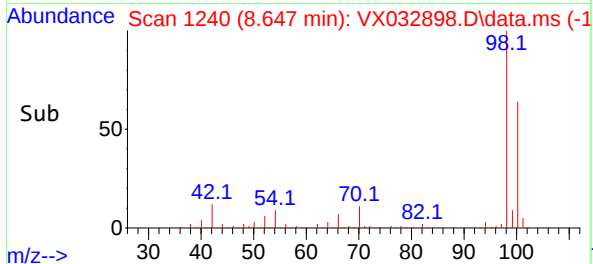
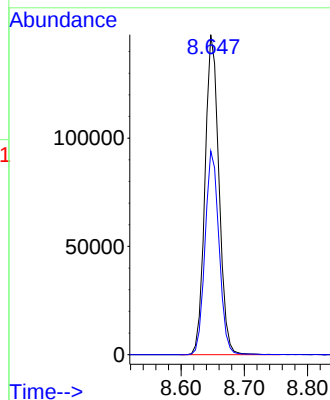
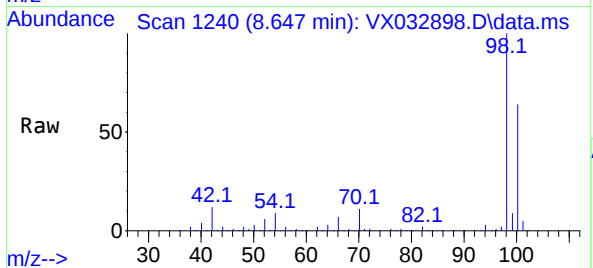
MW17811-20221115

Tgt Ion: 98 Resp: 227128

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.604 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032898.D

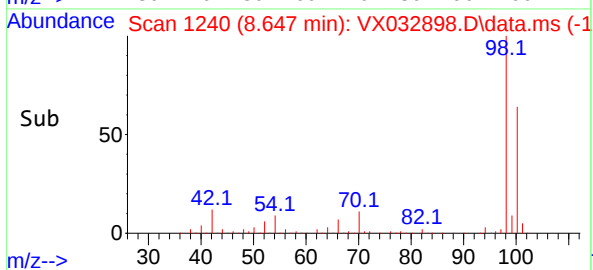
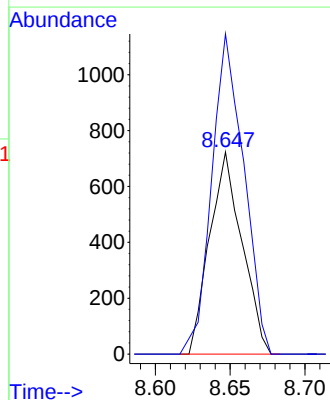
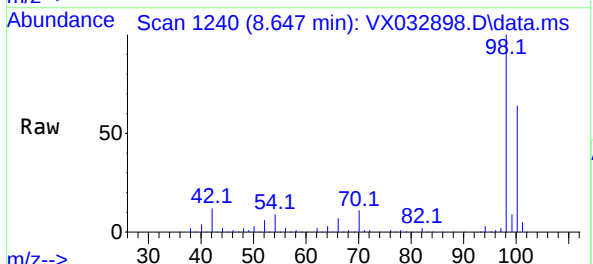
Acq: 17 Nov 2022 14:30

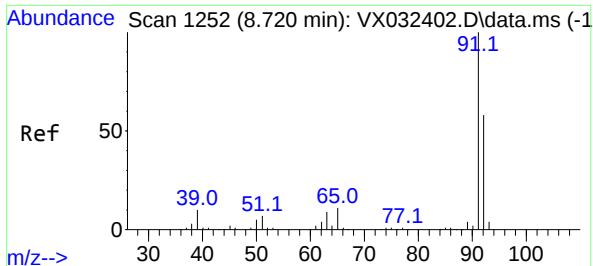
Tgt Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

58 156.9 30.9 46.3#

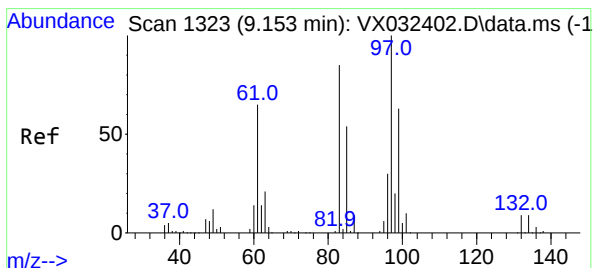
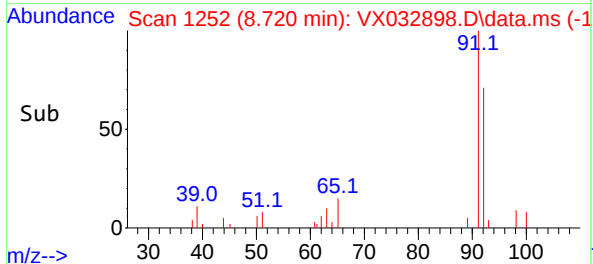
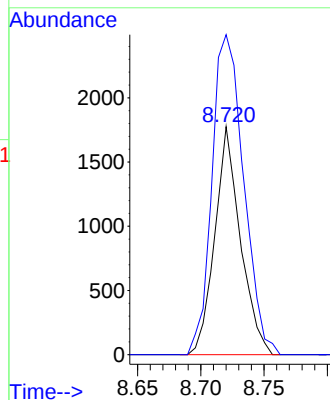
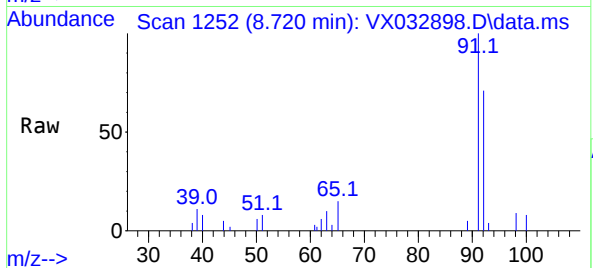




#52
Toluene
Concen: 0.754 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

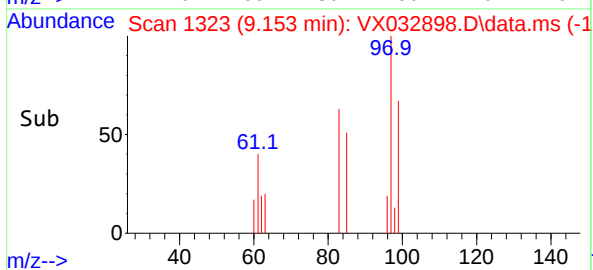
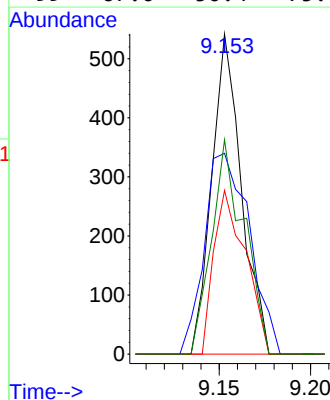
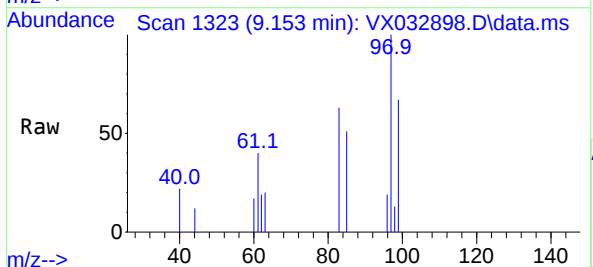
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115

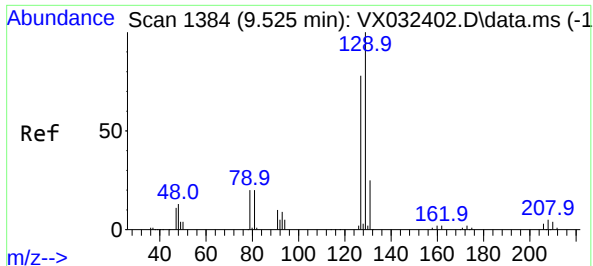
Tgt Ion: 92 Resp: 2498
Ion Ratio Lower Upper
92 100
91 174.0 138.3 207.5



#55
1,1,2-Trichloroethane
Concen: 0.439 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion: 97 Resp: 612
Ion Ratio Lower Upper
97 100
83 62.7 68.1 102.1#
85 51.1 43.3 64.9
99 67.0 50.4 75.6

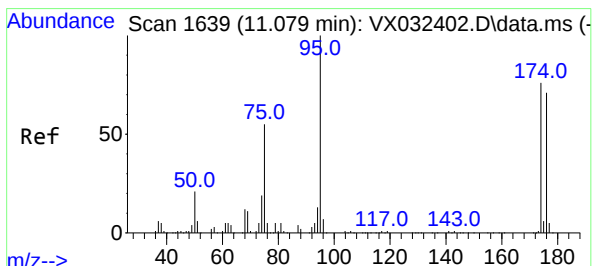
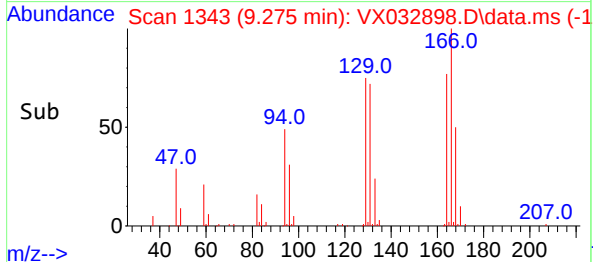
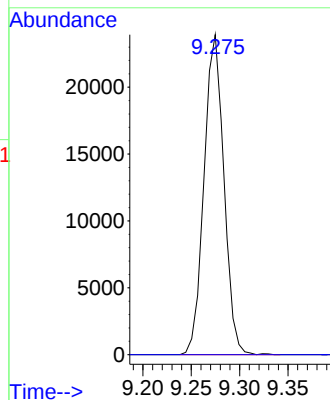
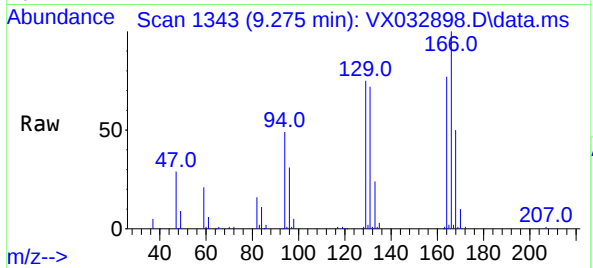




#60
Dibromochloromethane
Concen: 22.506 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

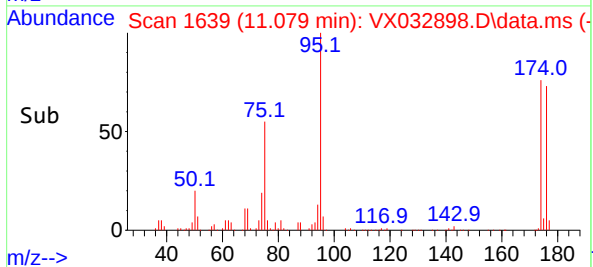
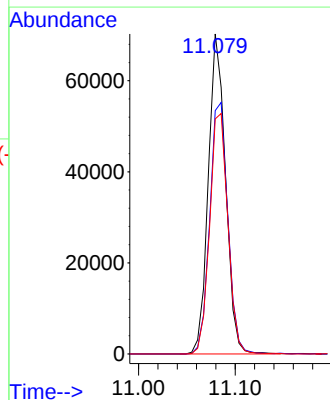
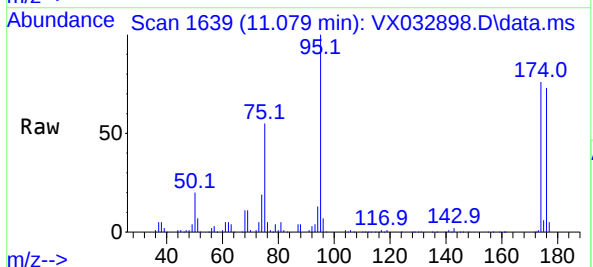
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115

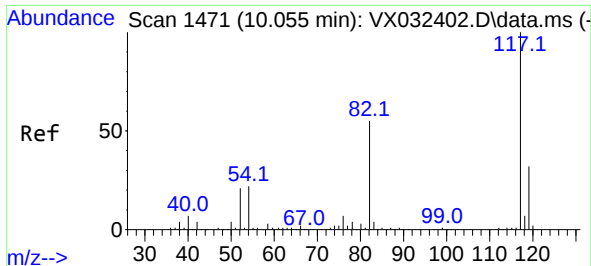
Tgt Ion:129 Resp: 34291
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.813 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion: 95 Resp: 87168
Ion Ratio Lower Upper
95 100
174 82.9 0.0 164.0
176 79.6 0.0 154.4

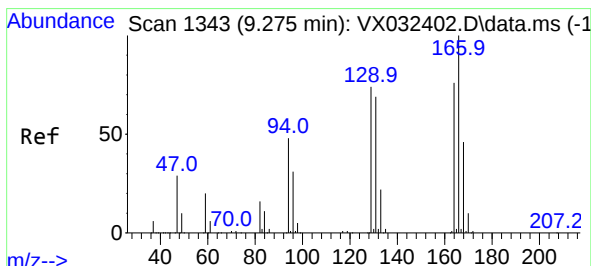
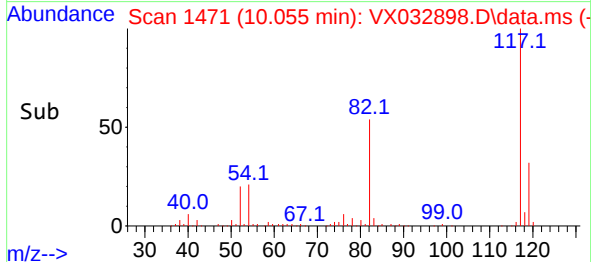
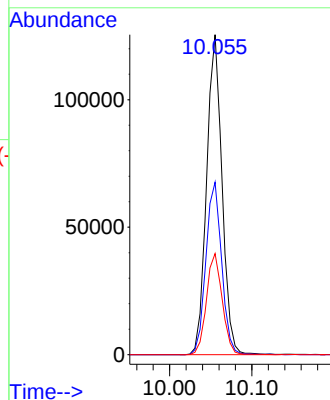
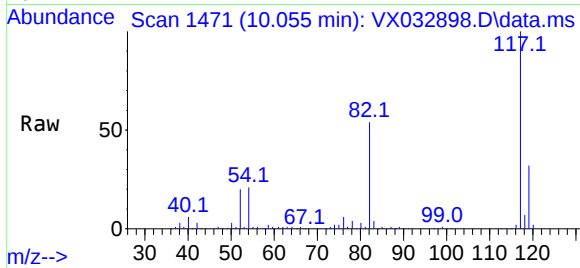




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

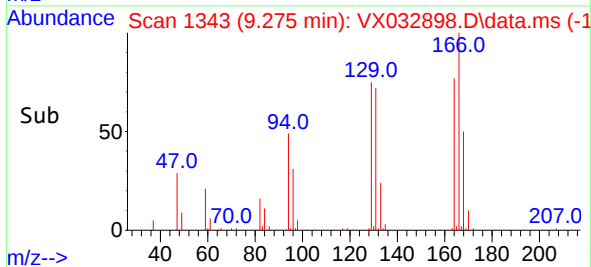
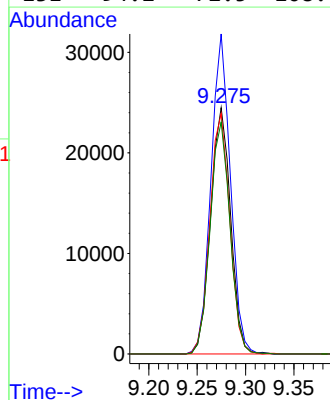
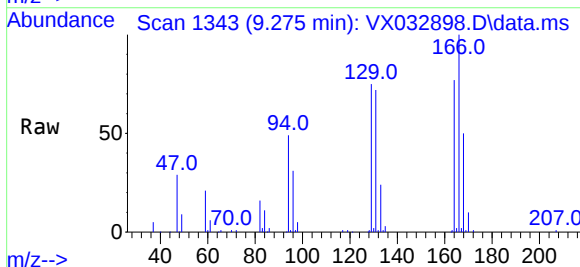
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115

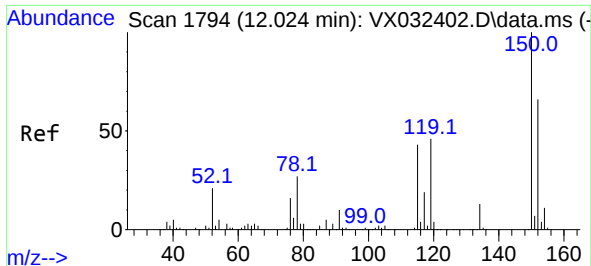
Tgt Ion:117 Resp: 163598
Ion Ratio Lower Upper
117 100
82 53.9 44.3 66.5
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 29.541 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Tgt Ion:164 Resp: 35373
Ion Ratio Lower Upper
164 100
166 130.0 105.4 158.2
129 97.7 78.2 117.2
131 94.2 72.5 108.7

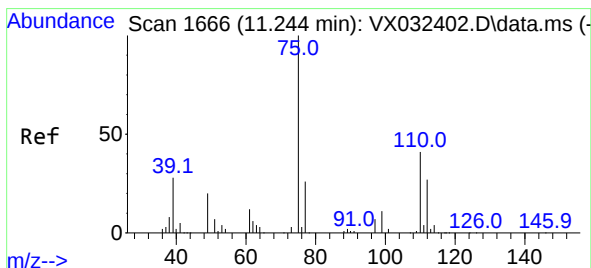
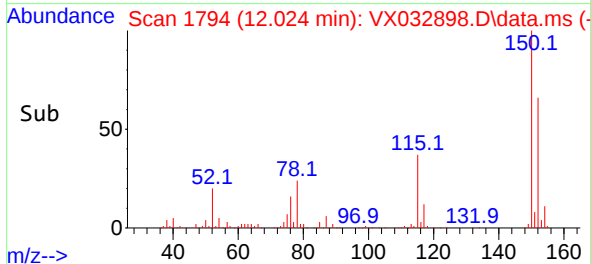
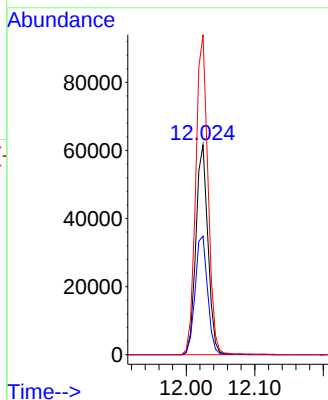
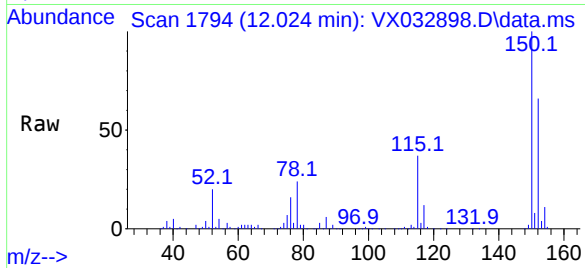




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

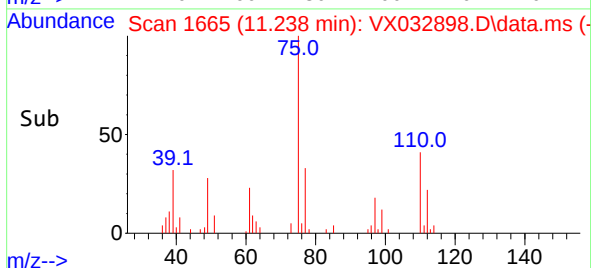
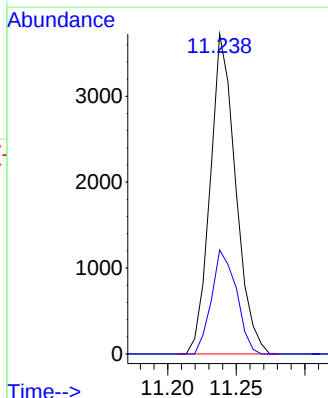
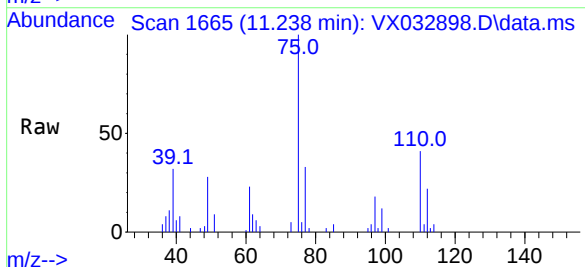
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115

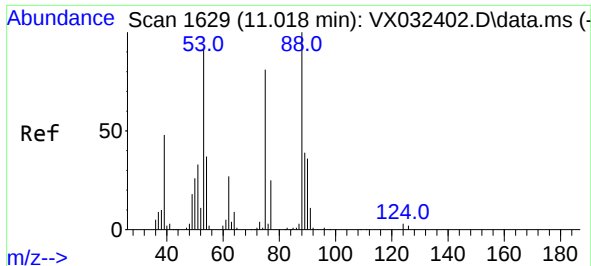
Tgt Ion:152 Resp: 75620
Ion Ratio Lower Upper
152 100
115 58.6 44.0 132.0
150 155.1 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 2.864 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.006 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

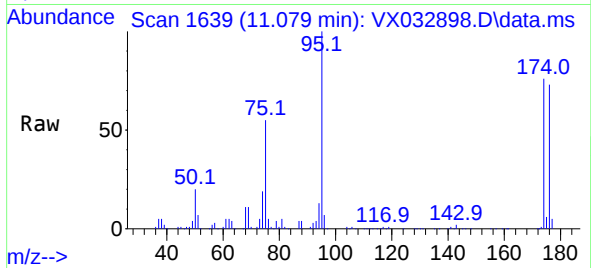
Tgt Ion: 75 Resp: 4818
Ion Ratio Lower Upper
75 100
77 31.7 20.0 60.0





#81
trans-1,4-Dichloro-2-butene
Concen: 89.295 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX032898.D
Acq: 17 Nov 2022 14:30

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20221115



Tgt Ion: 75 Resp: 47211
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

