

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030733.D
 Acq On : 23 Aug 2022 15:42
 Operator : JC/MD
 Sample : N4245-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20220816

Quant Time: Sep 06 02:54:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 16:33:27 2022
 Response via : Initial Calibration

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

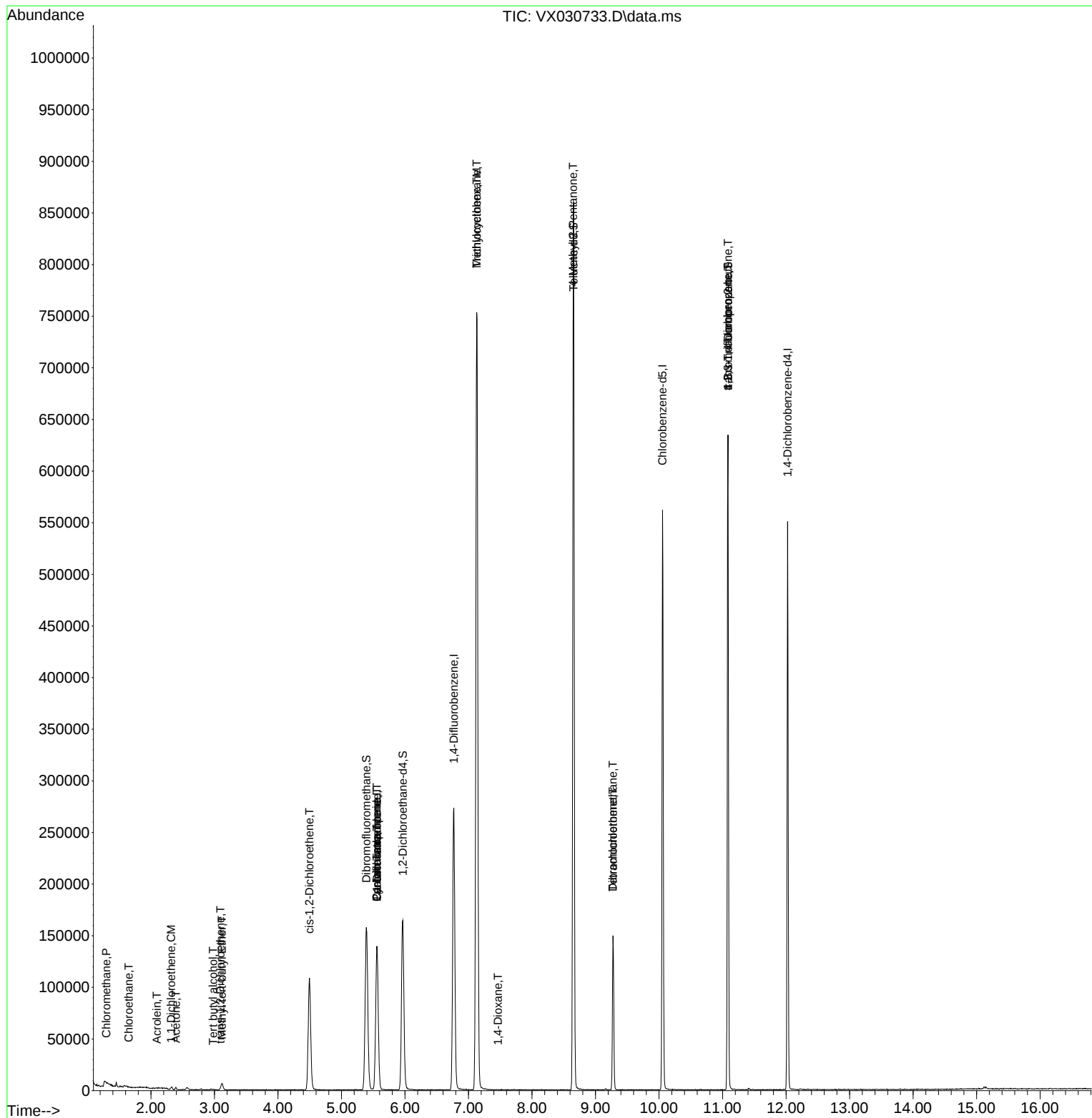
Internal Standards						
1) Pentafluorobenzene	5.556	168	130702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	290714	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155833	59.319	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.640%			
35) Dibromofluoromethane	5.391	113	146126	52.581	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.160%			
50) Toluene-d8	8.652	98	527989	49.059	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.120%			
62) 4-Bromofluorobenzene	11.085	95	183856	46.031	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.060%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	441	0.208	ug/l #	76
5) Bromomethane	1.623	94	265	Below Cal	#	70
6) Chloroethane	1.648	64	674	0.548	ug/l #	41
11) Tert butyl alcohol	2.977	59	1052	1.642	ug/l #	74
12) 1,1-Dichloroethene	2.318	96	878	0.430	ug/l	92
13) Acrolein	2.093	56	33	0.210	ug/l #	14
16) Acetone	2.391	43	1863	1.385	ug/l #	80
19) Methyl tert-butyl Ether	3.117	73	6522	0.933	ug/l #	84
20) Methylene Chloride	2.782	84	296	Below Cal	#	79
21) trans-1,2-Dichloroethene	3.093	96	563	0.250	ug/l #	78
27) cis-1,2-Dichloroethene	4.495	96	71862	27.116	ug/l	91
31) Cyclohexane	5.556	56	2644	0.693	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10630	2.658	ug/l #	49
38) Carbon Tetrachloride	5.556	117	13607	3.644	ug/l #	18
39) Methylcyclohexane	7.128	83	3936	0.762	ug/l #	1
44) Trichloroethene	7.128	130	304769	88.639	ug/l	100
49) 1,4-Dioxane	7.464	88	53	0.562	ug/l #	17
51) 4-Methyl-2-Pentanone	8.646	43	1860	0.330	ug/l #	1
60) Dibromochloromethane	9.274	129	27865	9.209	ug/l #	11
64) Tetrachloroethene	9.274	164	27641	9.779	ug/l	93
67) Ethyl Benzene	10.195	91	125	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	83358	29.238	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	83358	87.711	ug/l #	13

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

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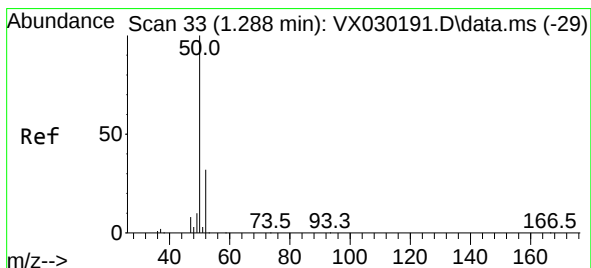
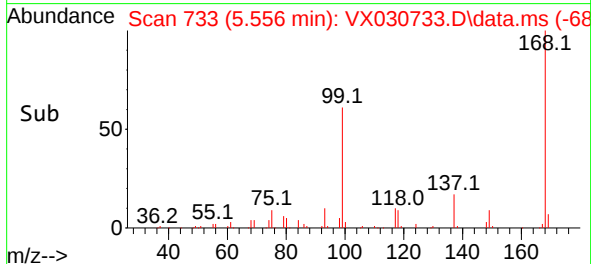
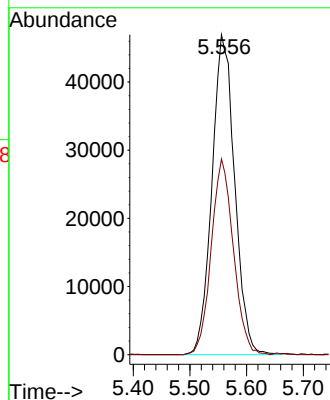
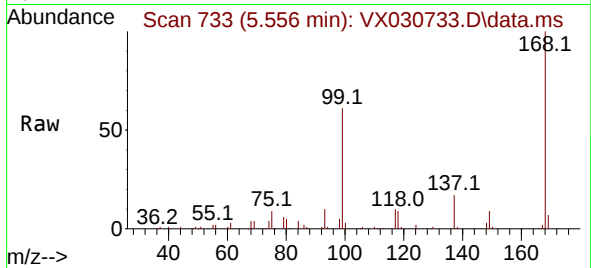




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

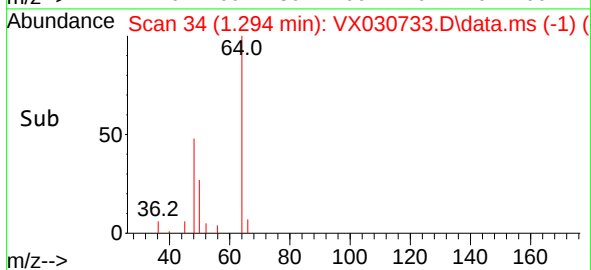
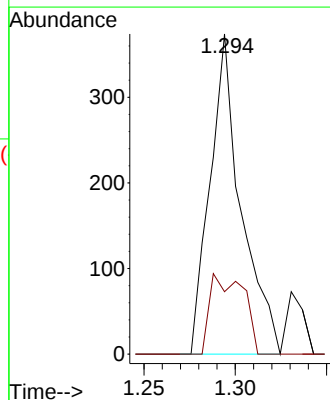
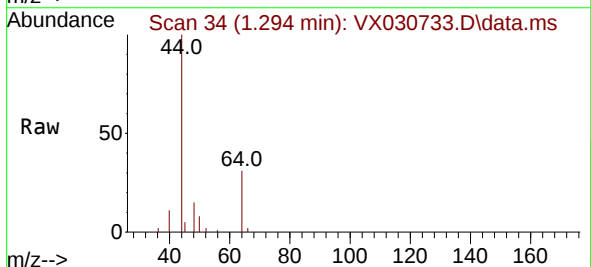
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MSVOA_X
ClientSampleId :
MW179D-20220816

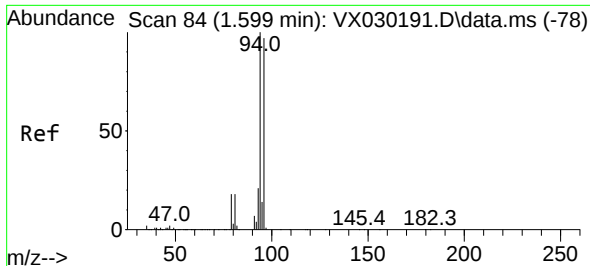
Tgt Ion:168 Resp: 130702
Ion Ratio Lower Upper
168 100
99 61.2 44.0 66.0



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 19.5 26.3 39.5#

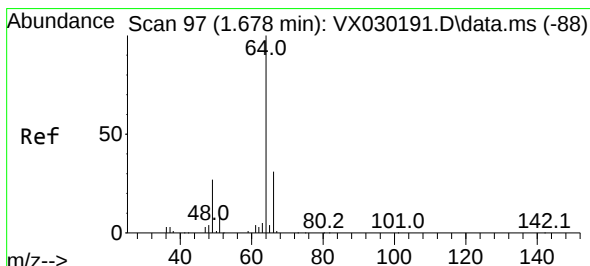
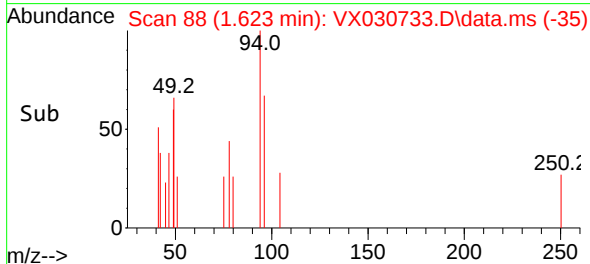
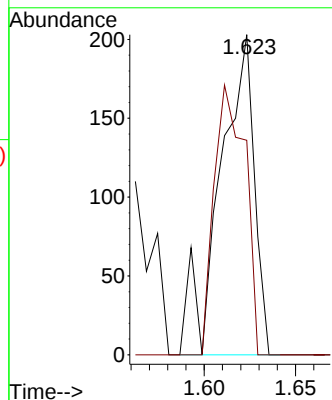
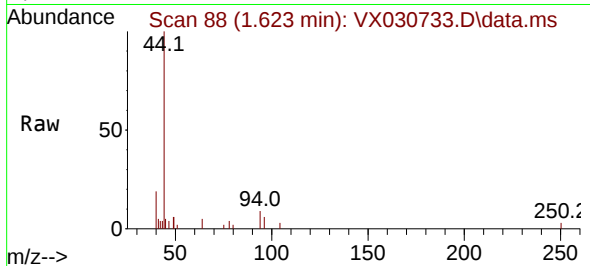




#5
Bromomethane
Concen: Below Cal
RT: 1.623 min Scan# 81
Delta R.T. 0.024 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

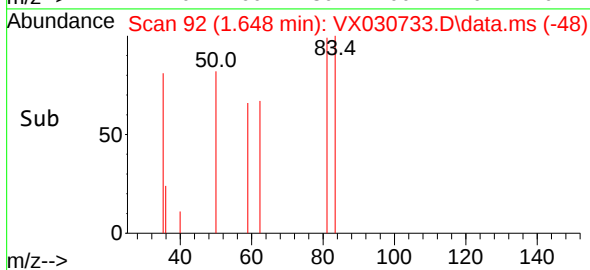
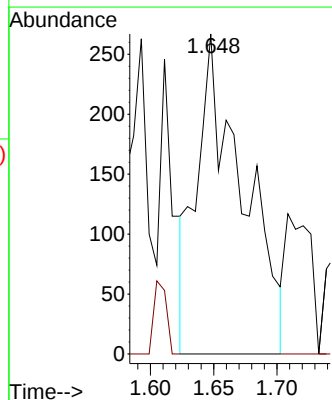
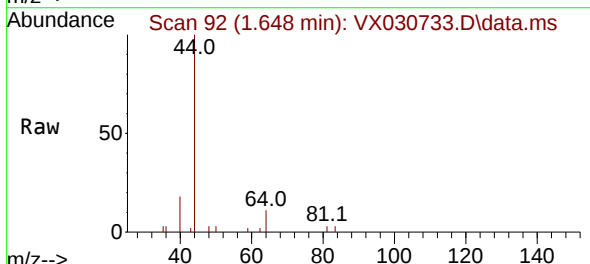
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

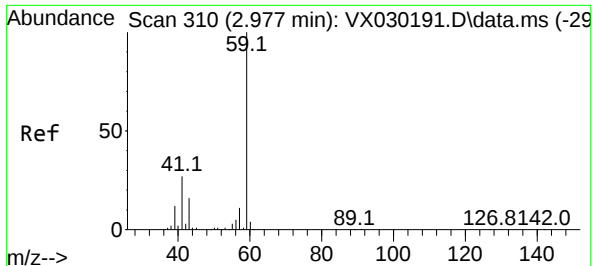
Tgt Ion: 94 Resp: 265
Ion Ratio Lower Upper
94 100
96 67.0 76.9 115.3#



#6
Chloroethane
Concen: 0.548 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 64 Resp: 674
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

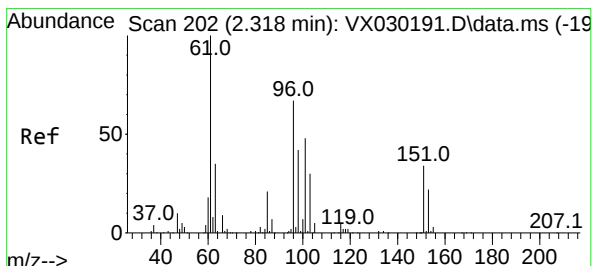
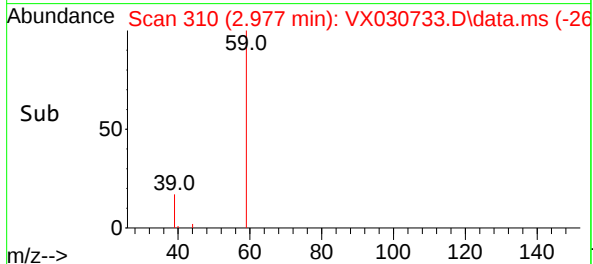
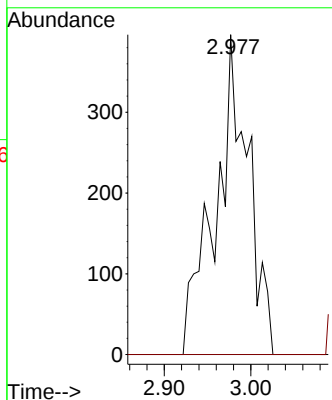
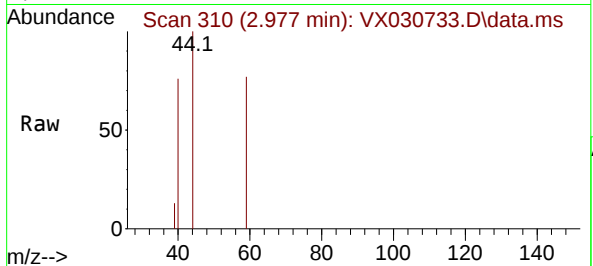




#11
Tert butyl alcohol
Concen: 1.642 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

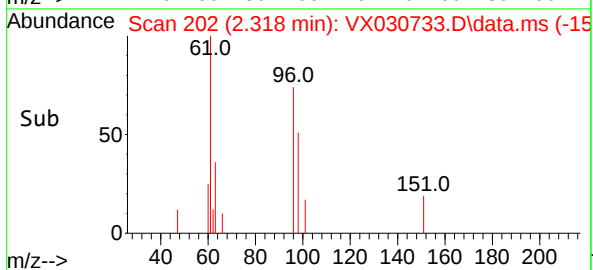
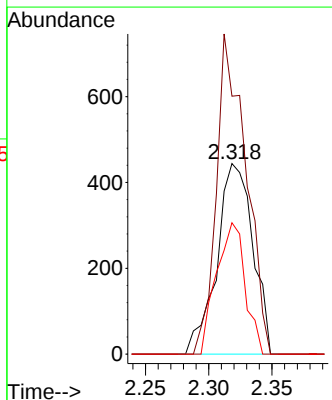
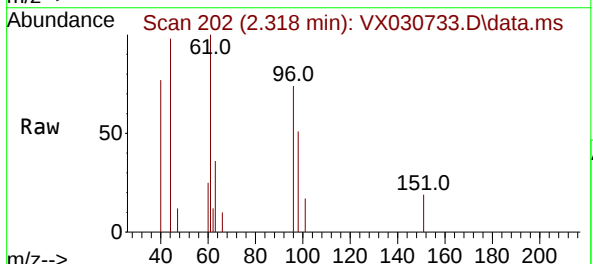
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

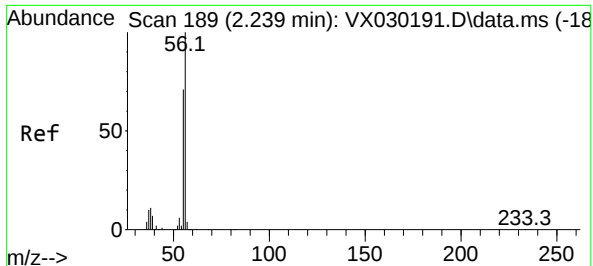
Tgt Ion: 59 Resp: 1052
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 0.430 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 96 Resp: 878
Ion Ratio Lower Upper
96 100
61 135.4 117.4 176.0
98 68.9 52.2 78.4

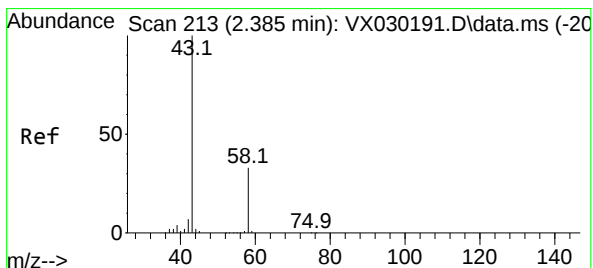
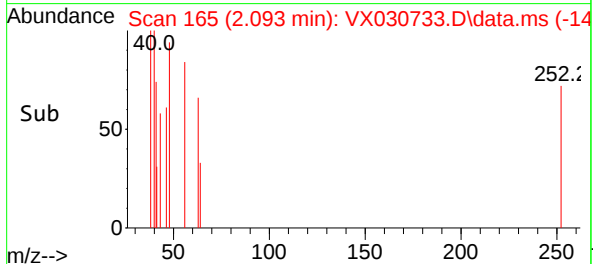
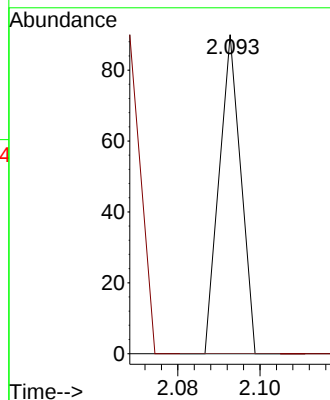
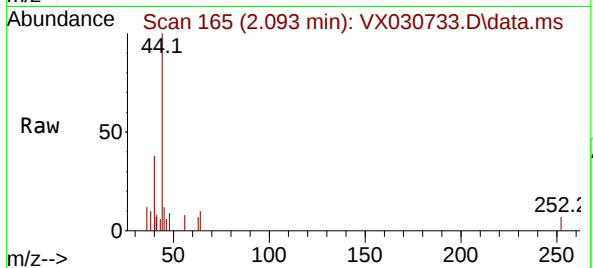




#13
Acrolein
Concen: 0.210 ug/l
RT: 2.093 min Scan# 11
Delta R.T. -0.146 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

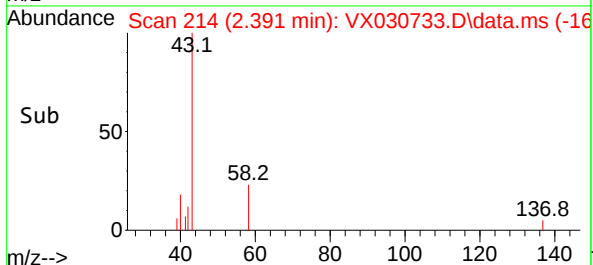
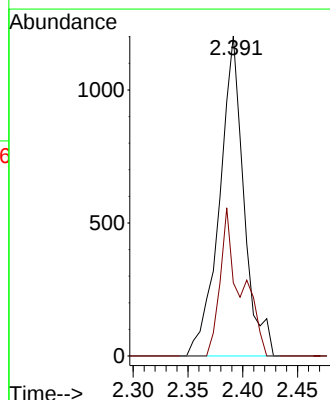
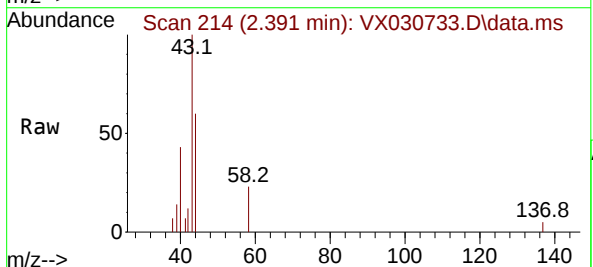
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

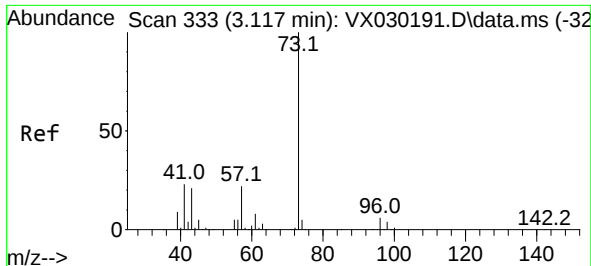
Tgt Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.385 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 43 Resp: 1863
Ion Ratio Lower Upper
43 100
58 22.9 27.7 41.5#





#19

Methyl tert-butyl Ether

Concen: 0.933 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX030733.D

Acq: 23 Aug 2022 15:42

Instrument :

MSVOA_X

ClientSampleId :

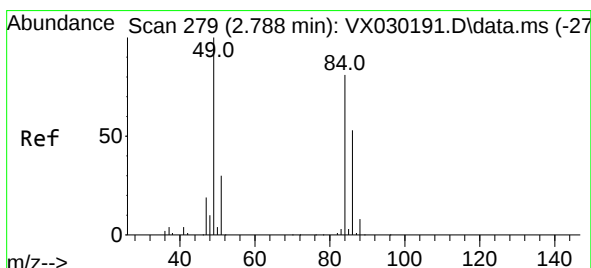
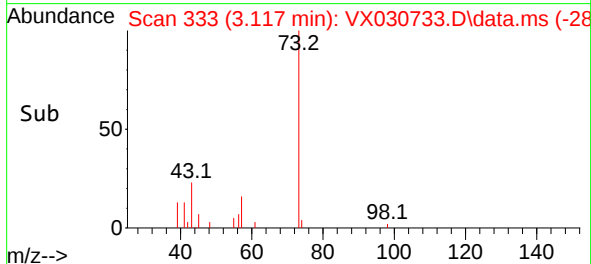
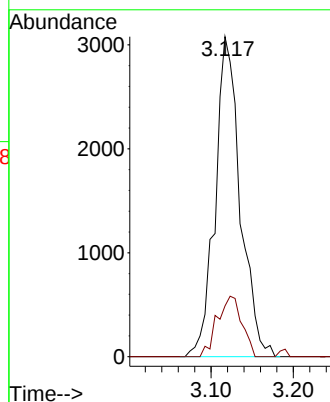
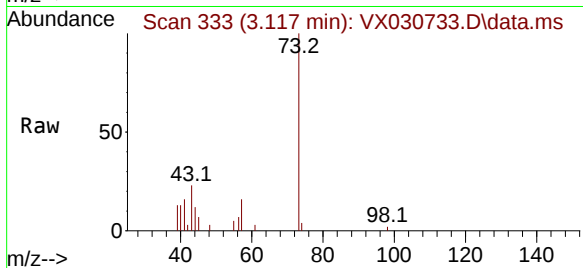
MW179D-20220816

Tgt Ion: 73 Resp: 6522

Ion Ratio Lower Upper

73 100

57 15.9 19.0 28.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX030733.D

Acq: 23 Aug 2022 15:42

Tgt Ion: 84 Resp: 296

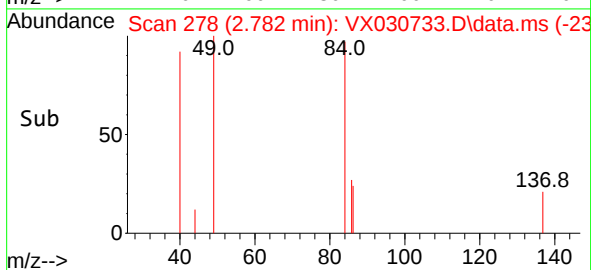
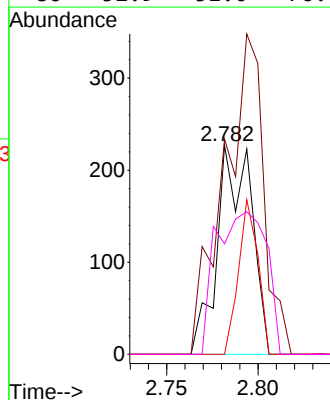
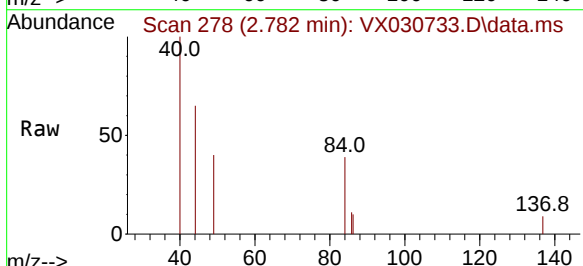
Ion Ratio Lower Upper

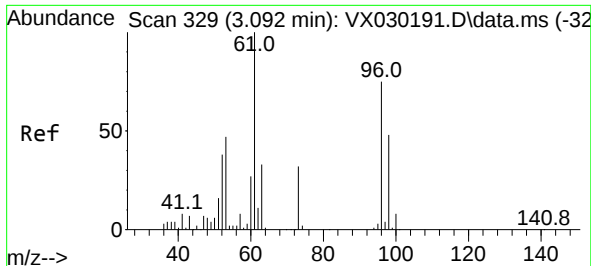
84 100

49 103.1 93.8 140.6

51 0.0 29.4 44.0#

86 52.9 51.0 76.4

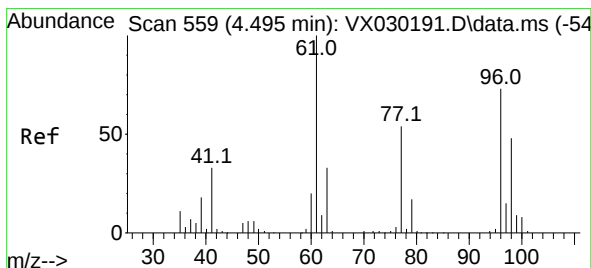
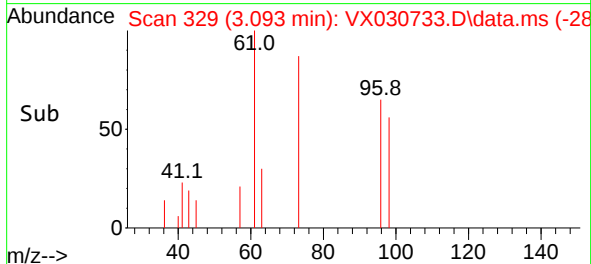
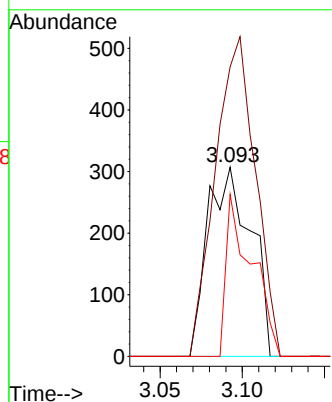
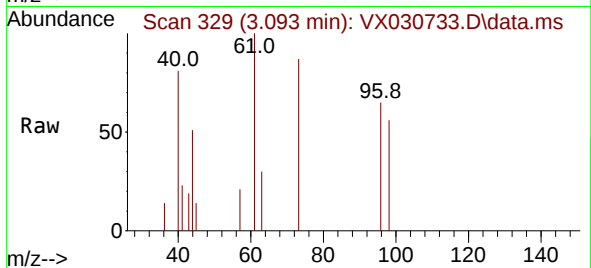




#21
trans-1,2-Dichloroethene
Concen: 0.250 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.001 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

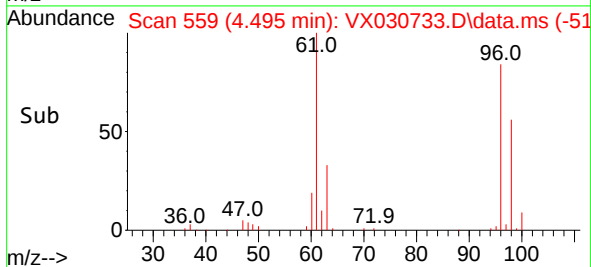
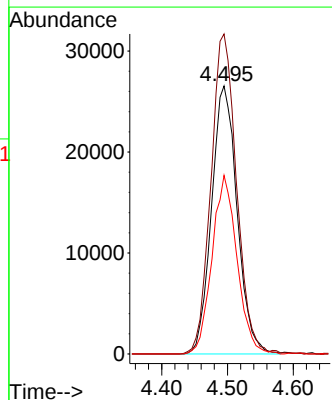
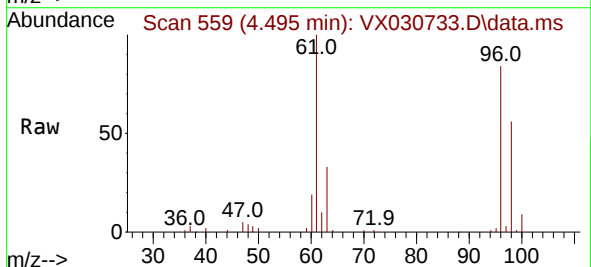
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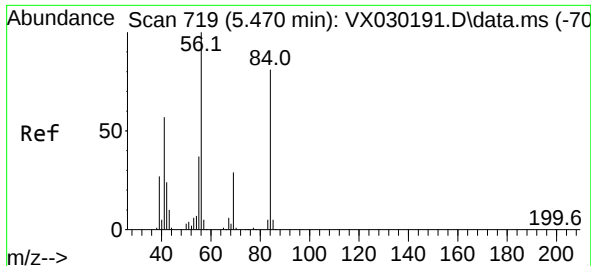
Tgt Ion: 96 Resp: 563
Ion Ratio Lower Upper
96 100
61 153.1 105.6 158.4
98 85.7 50.1 75.1#



#27
cis-1,2-Dichloroethene
Concen: 27.116 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 96 Resp: 71862
Ion Ratio Lower Upper
96 100
61 119.6 0.0 270.0
98 65.0 0.0 127.8

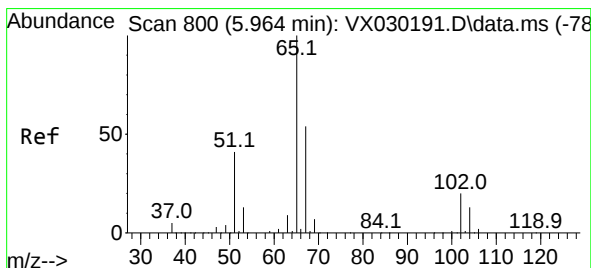
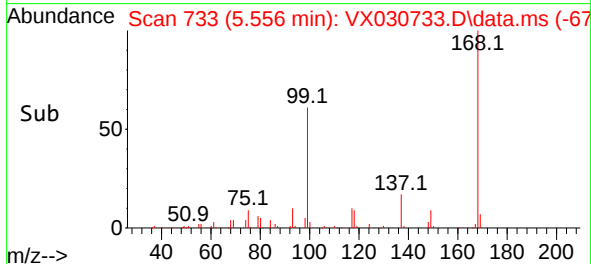
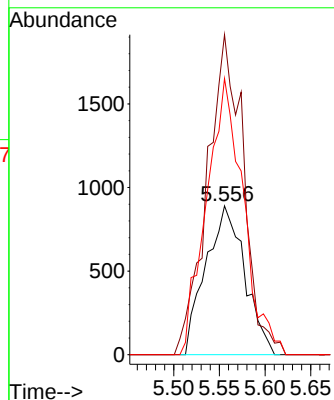
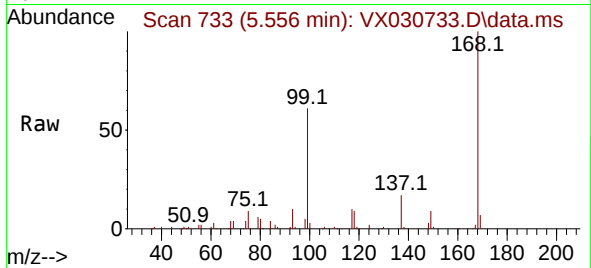




#31
Cyclohexane
Concen: 0.693 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

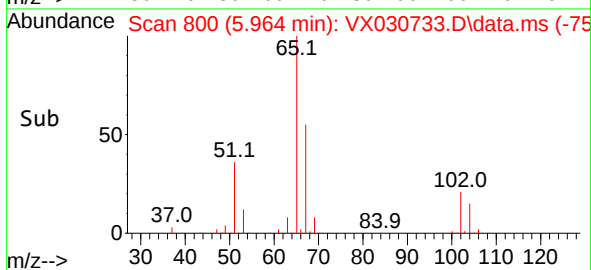
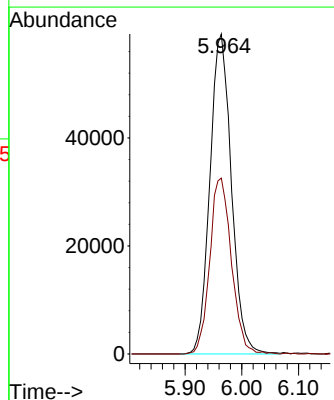
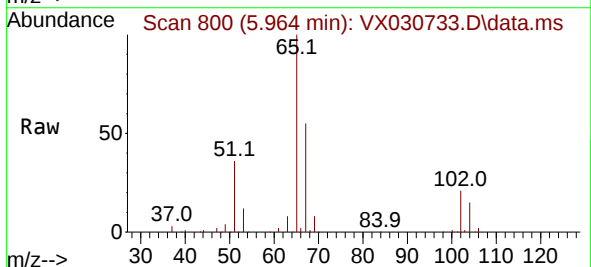
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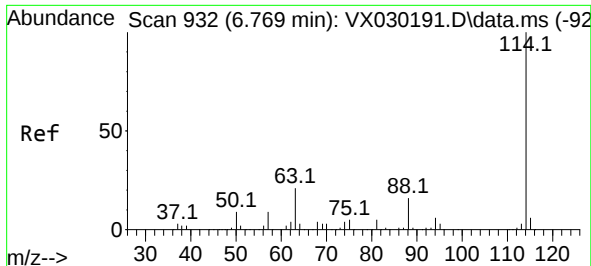
Tgt Ion: 56 Resp: 2644
Ion Ratio Lower Upper
56 100
69 206.6 25.4 38.0#
84 185.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 59.319 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 65 Resp: 155833
Ion Ratio Lower Upper
65 100
67 55.4 0.0 109.6

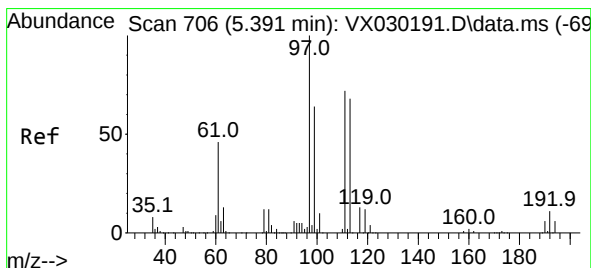
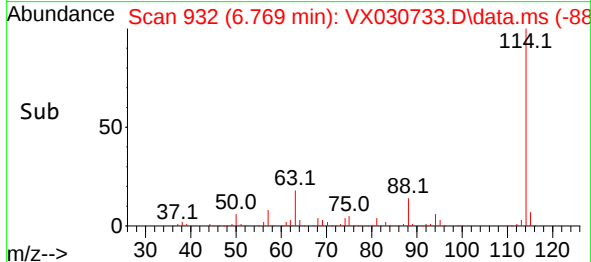
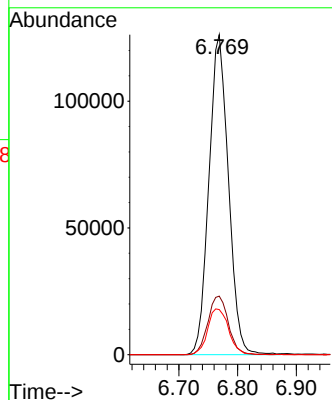
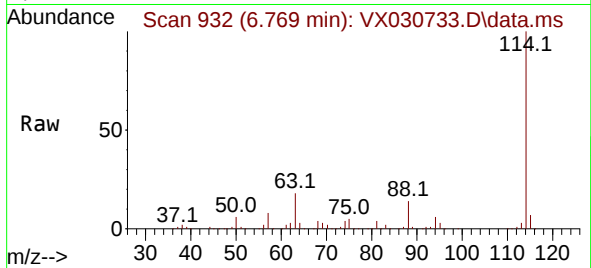




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

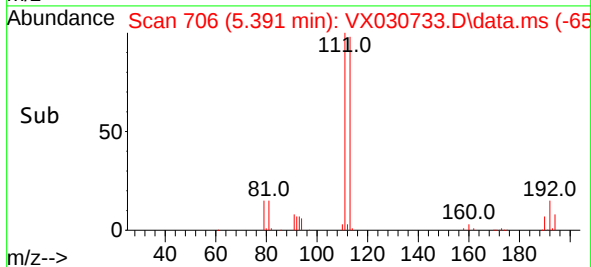
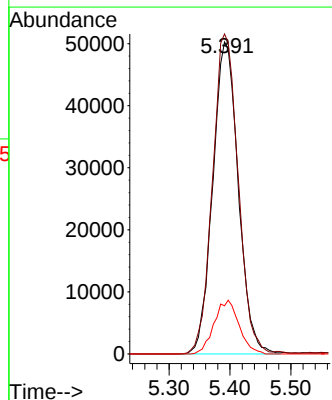
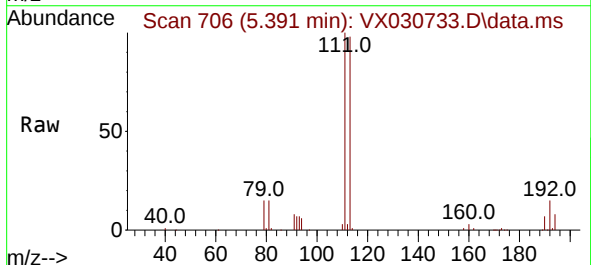
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

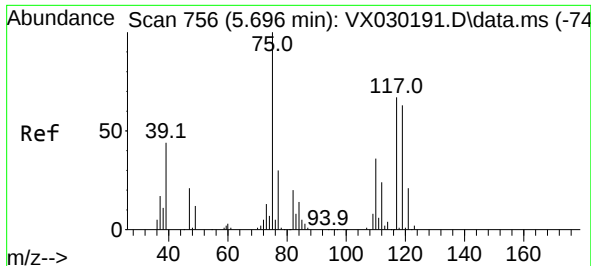
Tgt Ion:114 Resp: 290714
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 14.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.581 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion:113 Resp: 146126
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 16.8 14.8 22.2

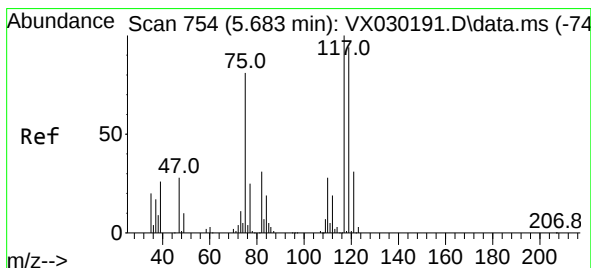
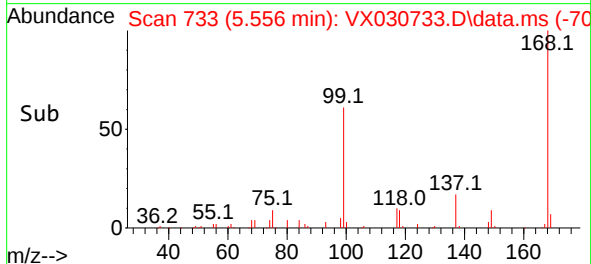
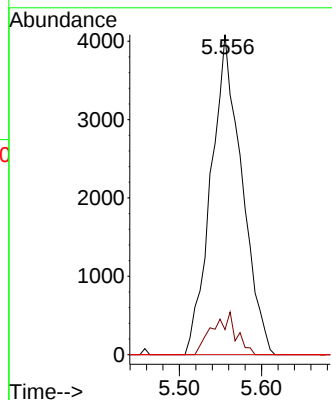
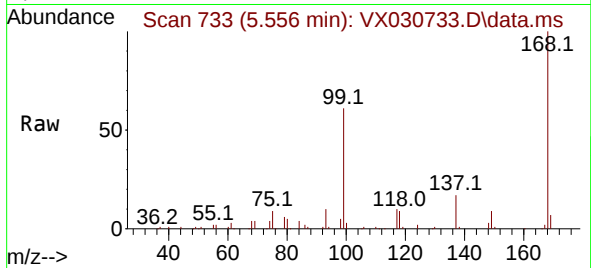




#36
1,1-Dichloropropene
Concen: 2.658 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

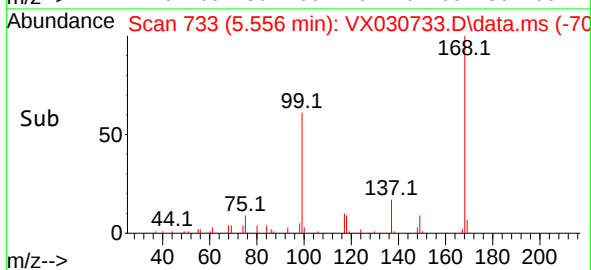
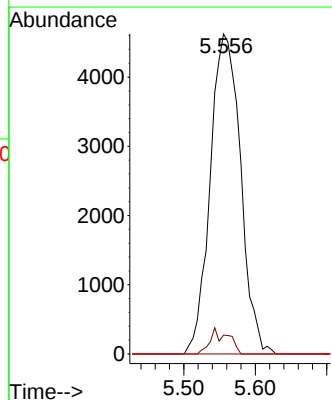
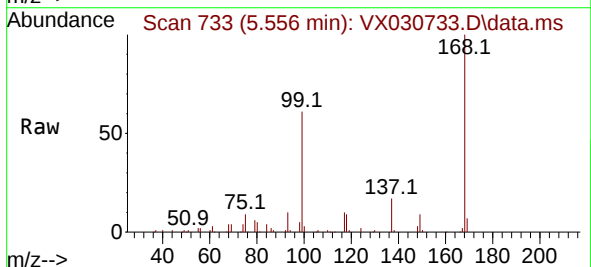
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

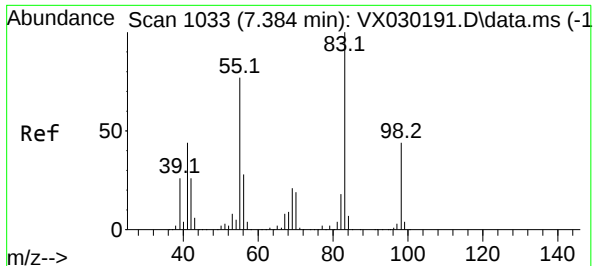
Tgt Ion: 75 Resp: 10630
Ion Ratio Lower Upper
75 100
110 10.3 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 3.644 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.127 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 117 Resp: 13607
Ion Ratio Lower Upper
117 100
119 5.9 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.762 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX030733.D

Acq: 23 Aug 2022 15:42

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20220816

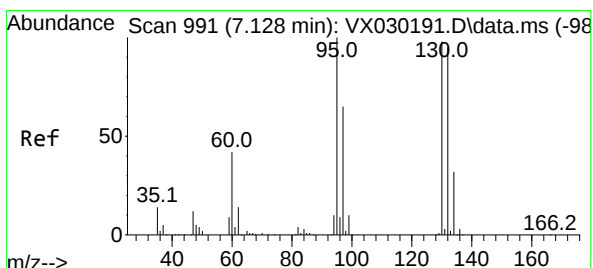
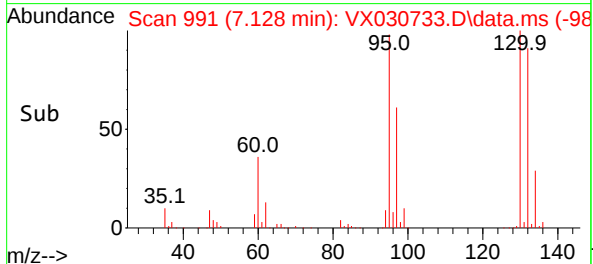
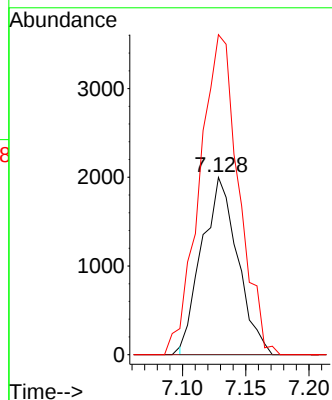
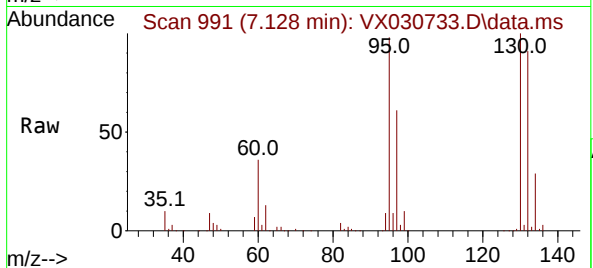
Tgt Ion: 83 Resp: 3936

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 180.4 36.5 54.7#



#44

Trichloroethene

Concen: 88.639 ug/l

RT: 7.128 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX030733.D

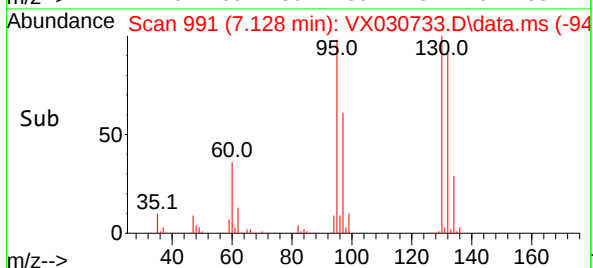
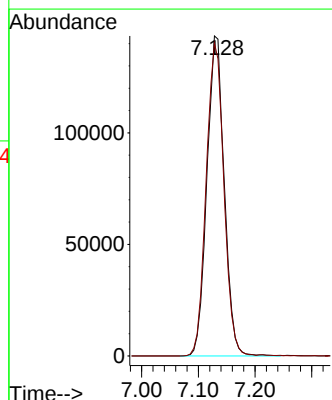
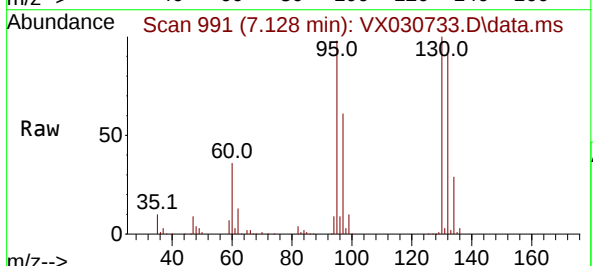
Acq: 23 Aug 2022 15:42

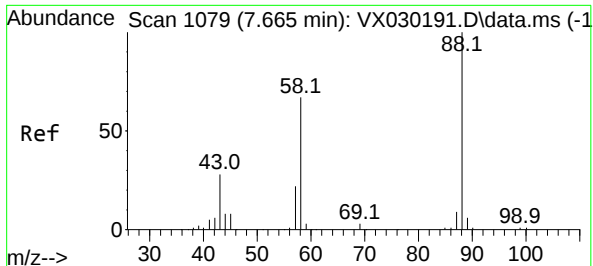
Tgt Ion:130 Resp: 304769

Ion Ratio Lower Upper

130 100

95 97.8 0.0 194.8





#49

1,4-Dioxane

Concen: 0.562 ug/l

RT: 7.464 min Scan# 1046

Delta R.T. -0.201 min

Lab File: VX030733.D

Acq: 23 Aug 2022 15:42

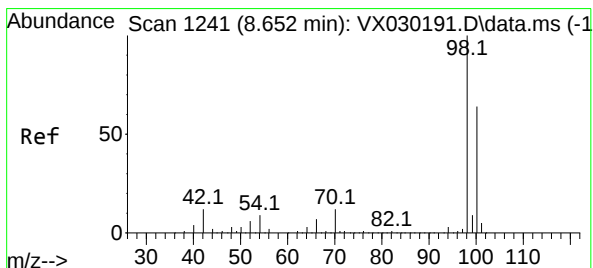
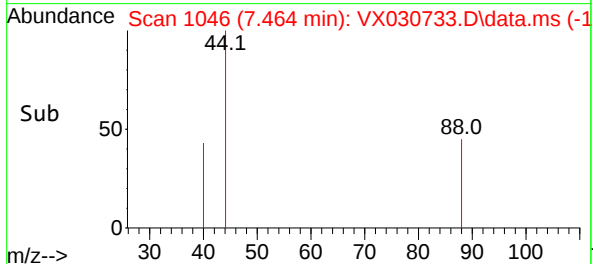
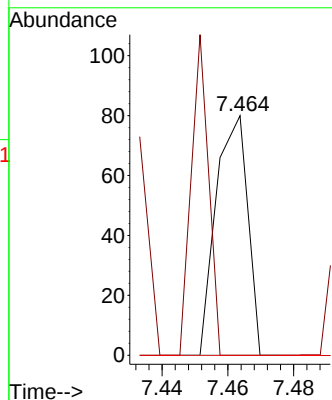
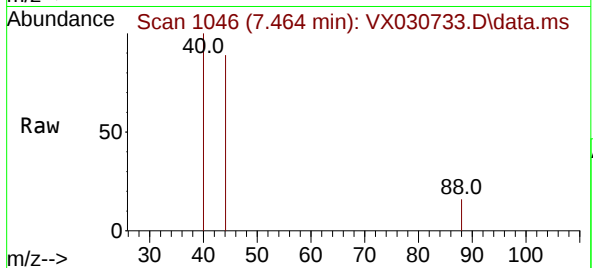
Instrument :

MSVOA_X

ClientSampleId :

MW179D-20220816

Tgt Ion:	88	Resp:	53
Ion	Ratio	Lower	Upper
88	100		
43	73.6	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 49.059 ug/l

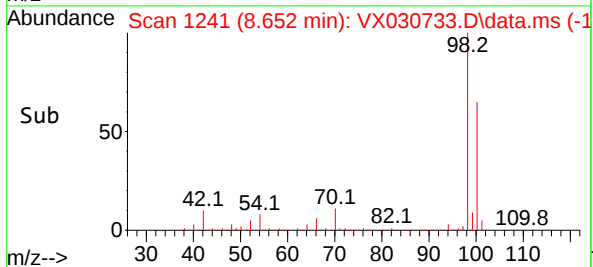
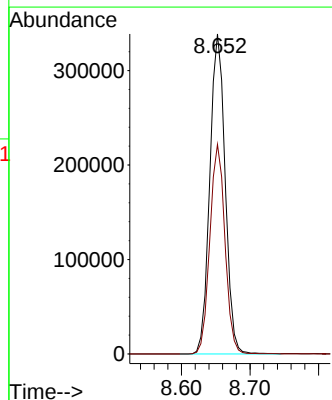
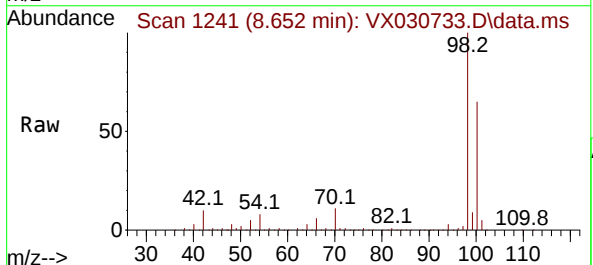
RT: 8.652 min Scan# 1241

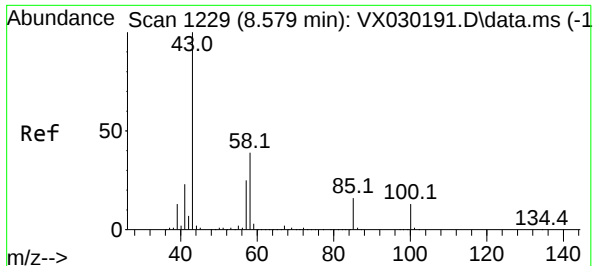
Delta R.T. 0.001 min

Lab File: VX030733.D

Acq: 23 Aug 2022 15:42

Tgt Ion:	98	Resp:	527989
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 0.330 ug/l

RT: 8.646 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX030733.D

Acq: 23 Aug 2022 15:42

Instrument :

MSVOA_X

ClientSampleId :

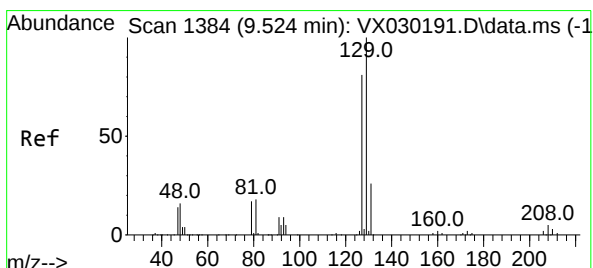
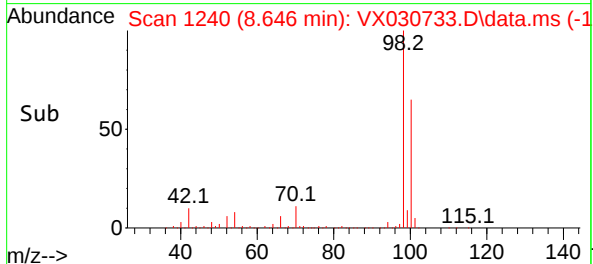
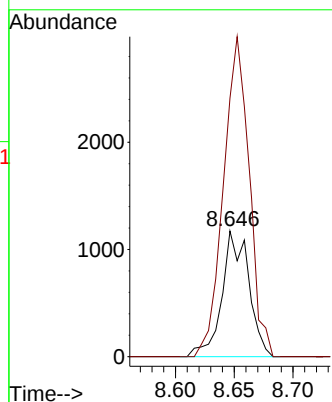
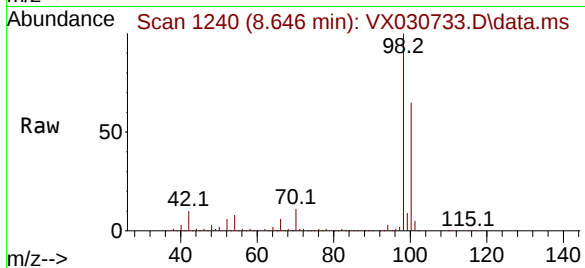
MW179D-20220816

Tgt Ion: 43 Resp: 1860

Ion Ratio Lower Upper

43 100

58 244.9 31.4 47.2#



#60

Dibromochloromethane

Concen: 9.209 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX030733.D

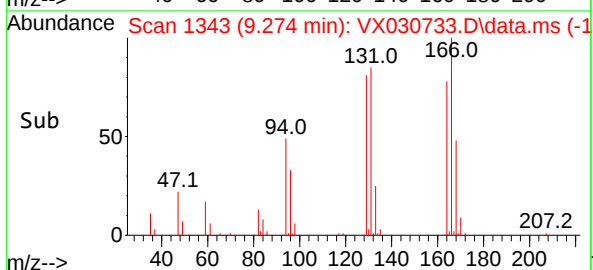
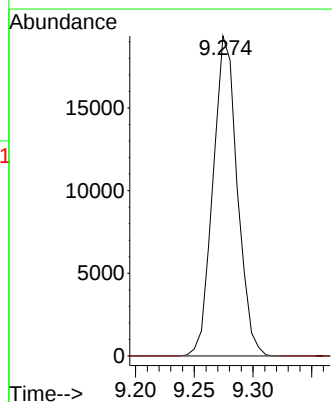
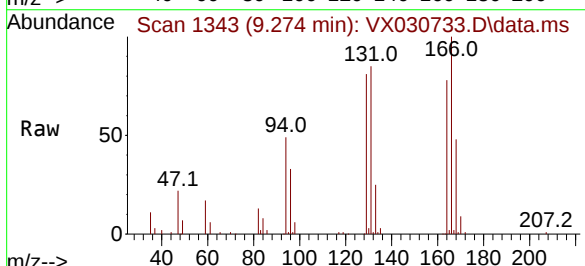
Acq: 23 Aug 2022 15:42

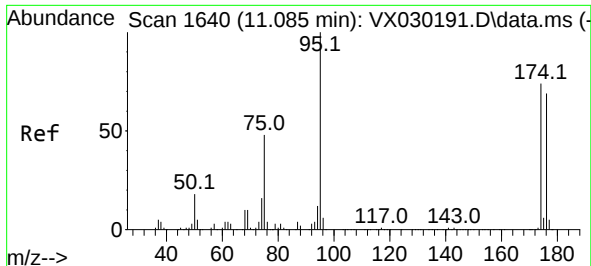
Tgt Ion: 129 Resp: 27865

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

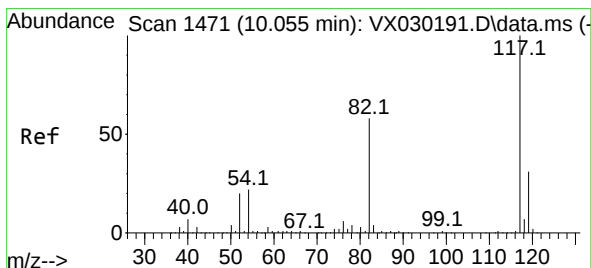
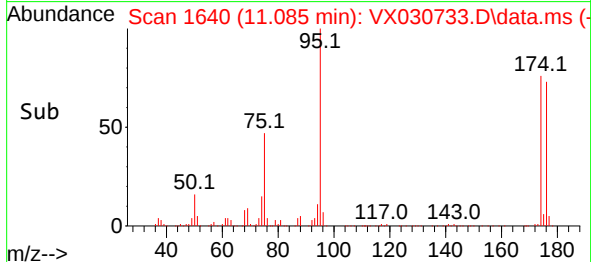
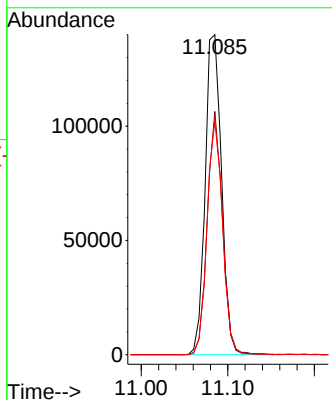
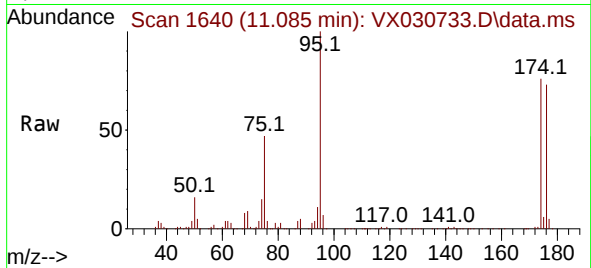




#62
4-Bromofluorobenzene
Concen: 46.031 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

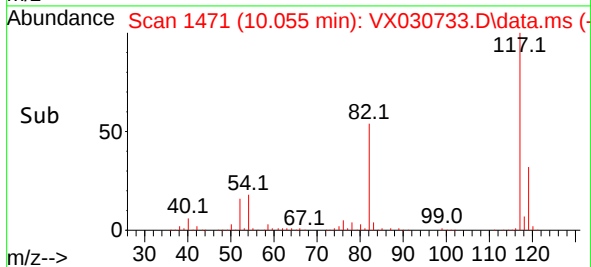
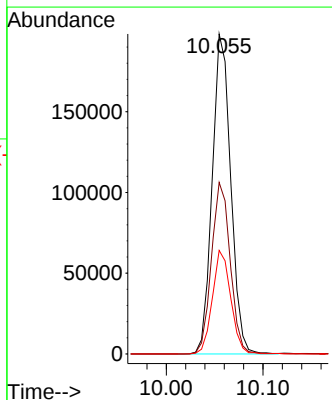
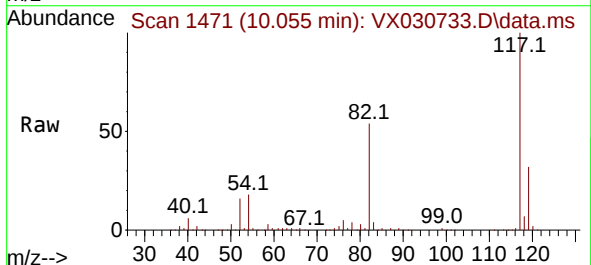
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

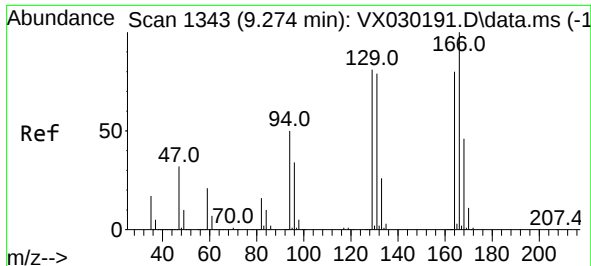
Tgt Ion: 95 Resp: 183856
Ion Ratio Lower Upper
95 100
174 70.6 0.0 149.0
176 69.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 117 Resp: 262559
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 32.4 25.4 38.2

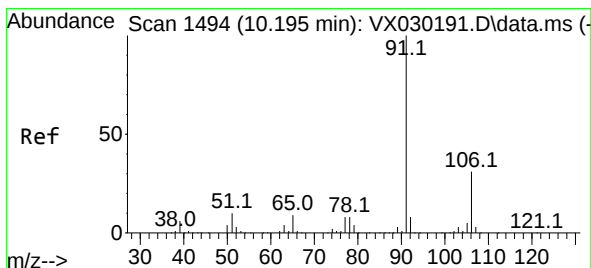
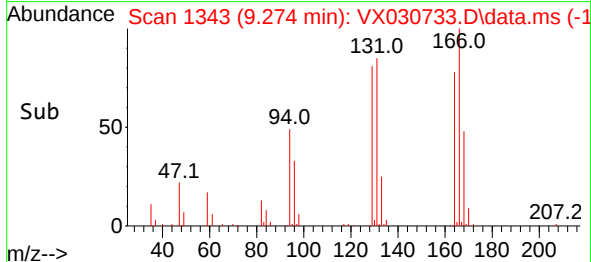
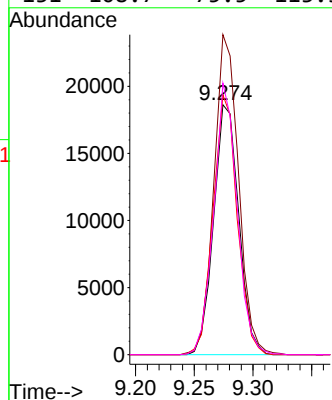
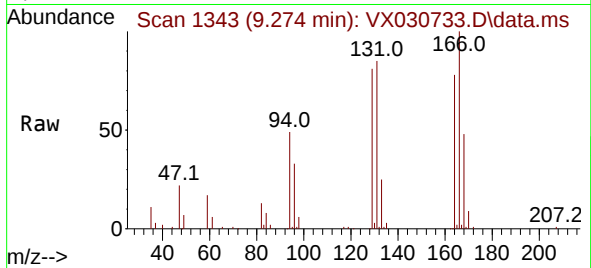




#64
Tetrachloroethene
Concen: 9.779 ug/l
RT: 9.274 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

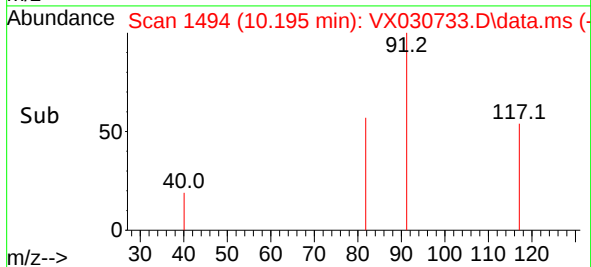
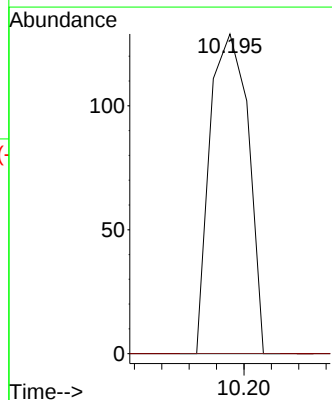
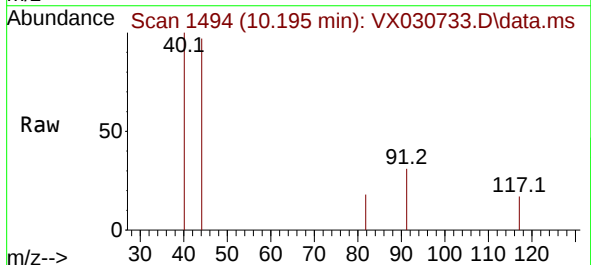
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

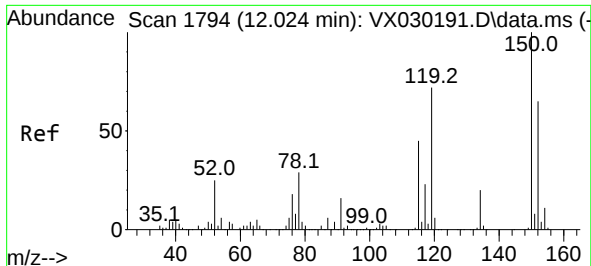
Tgt Ion:164 Resp: 27641
Ion Ratio Lower Upper
164 100
166 128.0 98.2 147.4
129 103.9 80.8 121.2
131 108.7 75.5 113.3



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 91 Resp: 125
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#

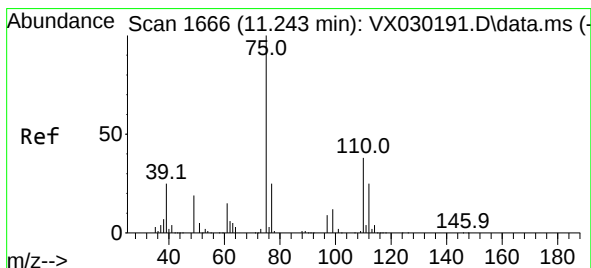
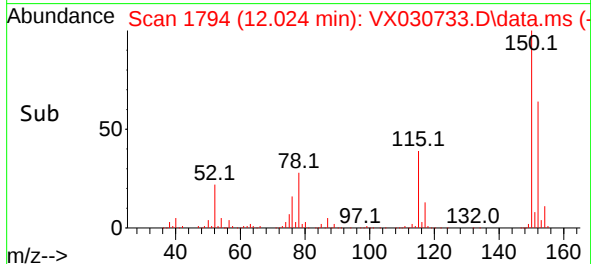
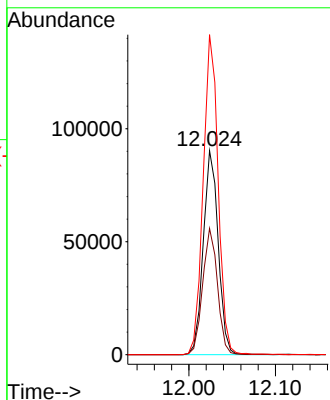
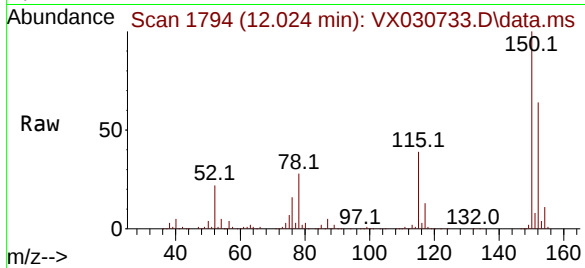




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

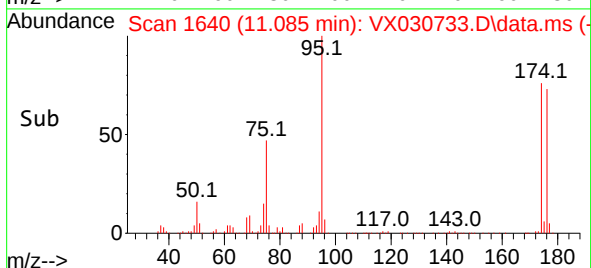
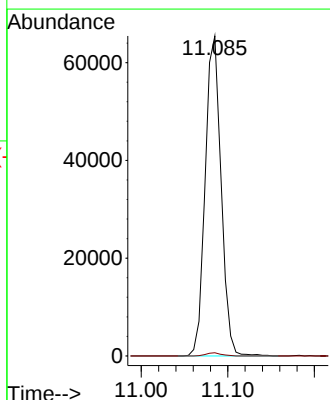
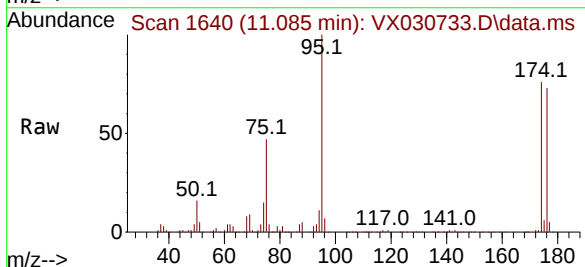
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20220816

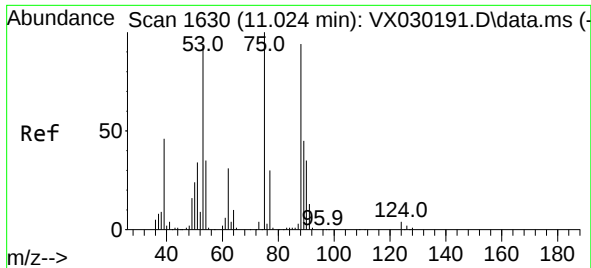
Tgt Ion:152 Resp: 108160
Ion Ratio Lower Upper
152 100
115 61.4 40.5 121.5
150 157.3 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 29.238 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030733.D
Acq: 23 Aug 2022 15:42

Tgt Ion: 75 Resp: 83358
Ion Ratio Lower Upper
75 100
77 1.0 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.711 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030733.D
 Acq: 23 Aug 2022 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20220816

Tgt Ion: 75 Resp: 83358
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

