

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031035.D
 Acq On : 01 Sep 2022 21:19
 Operator : JC/MD
 Sample : N4298-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D1-20220819

Quant Time: Sep 02 02:56:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

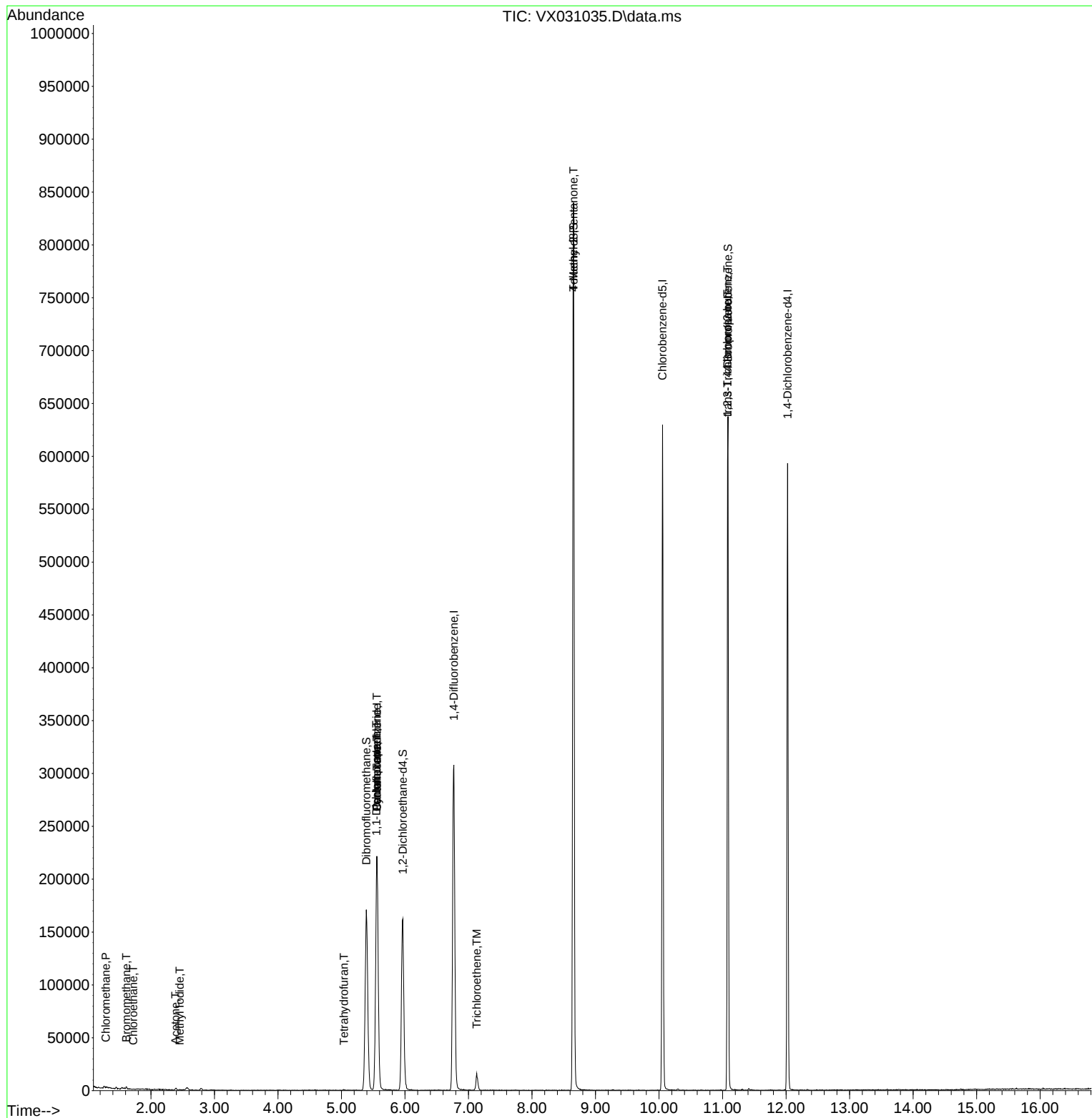
Internal Standards						
1) Pentafluorobenzene	5.556	168	219992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	351468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155371	54.889	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.780%	
35) Dibromofluoromethane	5.391	113	150046	58.500	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.000%	
50) Toluene-d8	8.653	98	546760	57.921	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 115.840%#	
62) 4-Bromofluorobenzene	11.085	95	178428	53.516	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	301	0.838	ug/l	96
5) Bromomethane	1.612	94	540	0.511	ug/l	92
6) Chloroethane	1.721	64	58	1.773	ug/l #	41
10) Methyl Iodide	2.453	142	414	3.061	ug/l #	72
11) Tert butyl alcohol	2.977	59	205	Below Cal	#	74
16) Acetone	2.386	43	1479	1.353	ug/l #	77
20) Methylene Chloride	2.788	84	941	Below Cal	#	71
29) Tetrahydrofuran	5.038	42	497	0.457	ug/l #	36
31) Cyclohexane	5.556	56	3691	0.955	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15030	4.184	ug/l #	49
38) Carbon Tetrachloride	5.556	117	21704	5.820	ug/l #	15
44) Trichloroethene	7.129	130	5963	1.826	ug/l	96
51) 4-Methyl-2-Pentanone	8.653	43	1674	0.534	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	80508	25.406	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	80508	79.845	ug/l #	12

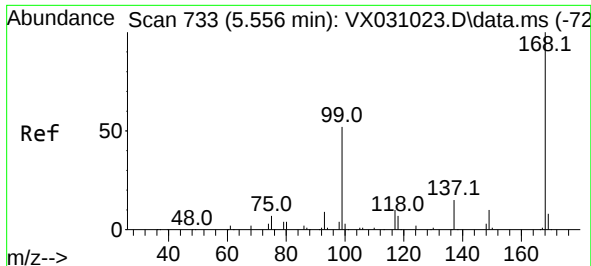
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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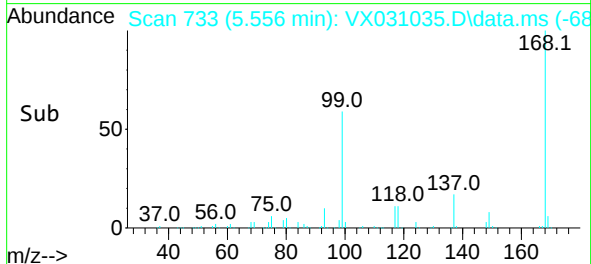
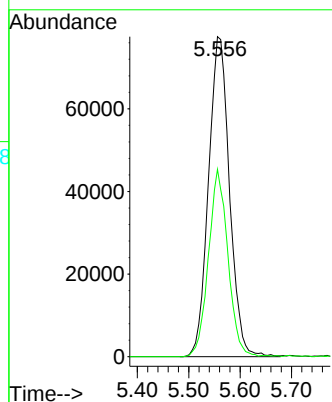
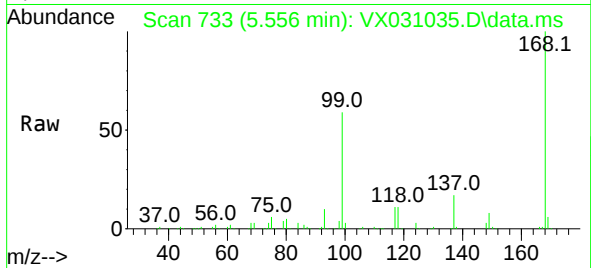




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

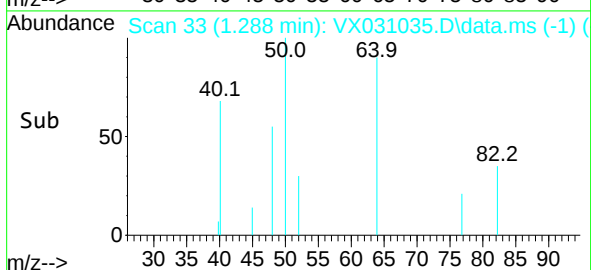
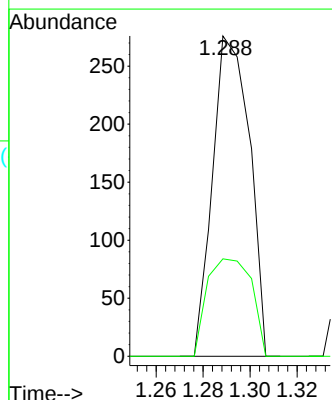
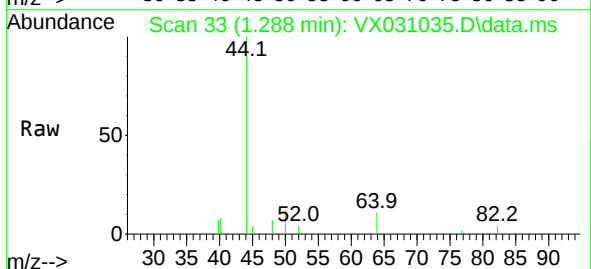
Instrument :
MSVOA_X
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MW201D1-20220819

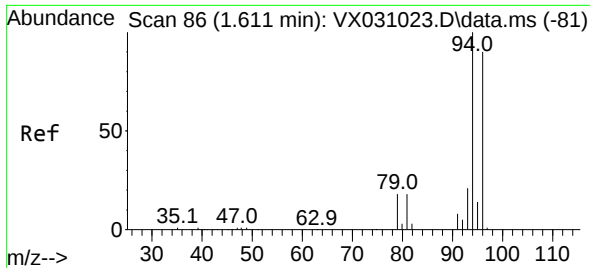
Tgt Ion:168 Resp: 219992
Ion Ratio Lower Upper
168 100
99 58.6 44.0 66.0



#3
Chloromethane
Concen: 0.838 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

Tgt Ion: 50 Resp: 301
Ion Ratio Lower Upper
50 100
52 30.4 26.3 39.5

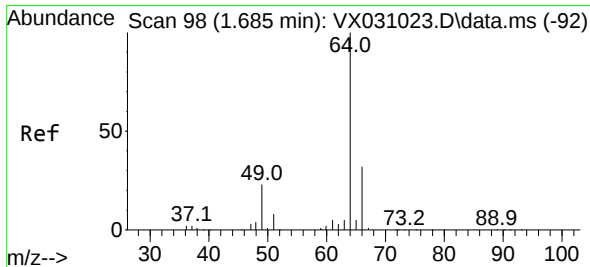
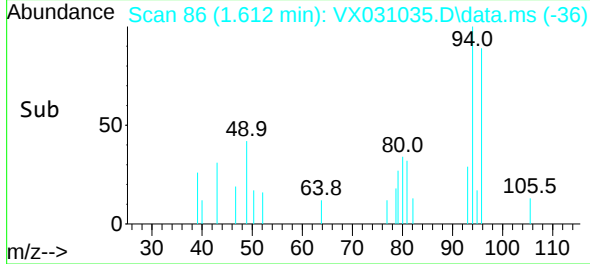
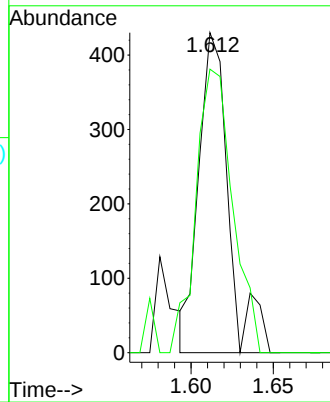
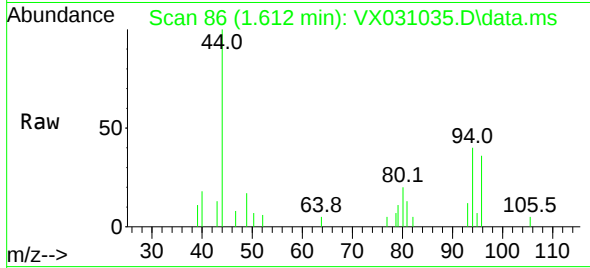




#5
Bromomethane
Concen: 0.511 ug/l
RT: 1.612 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

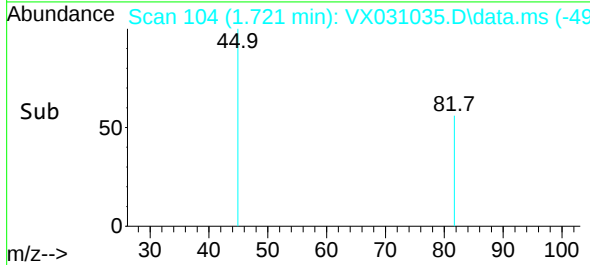
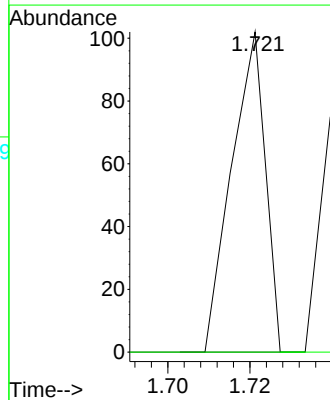
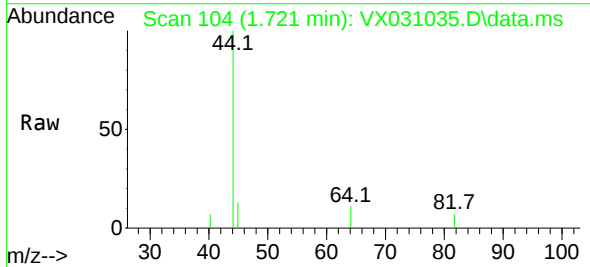
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20220819

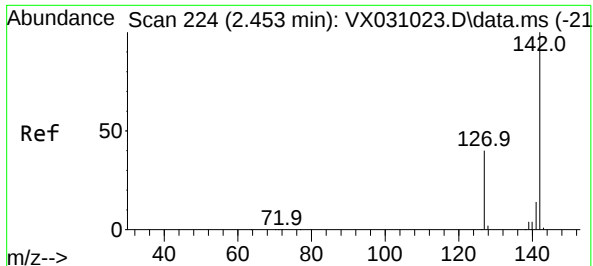
Tgt Ion: 94 Resp: 540
Ion Ratio Lower Upper
94 100
96 88.6 76.9 115.3



#6
Chloroethane
Concen: 1.773 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.036 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

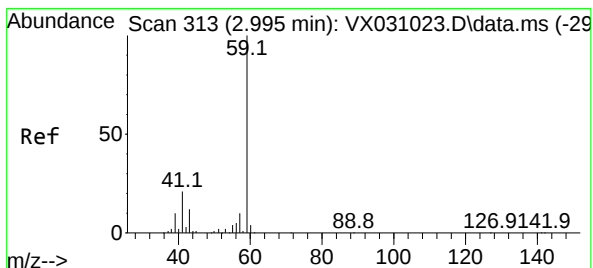
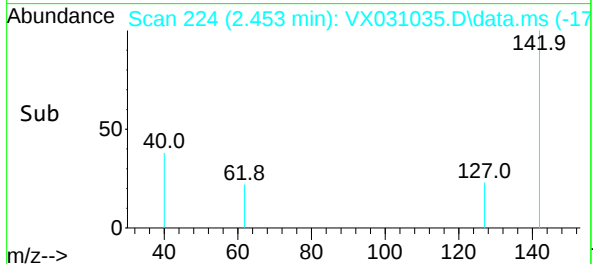
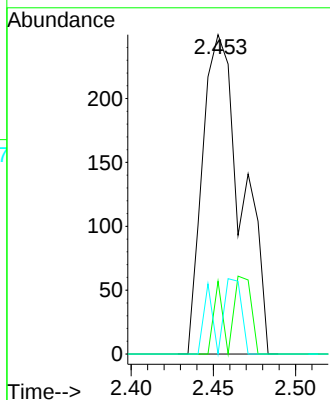
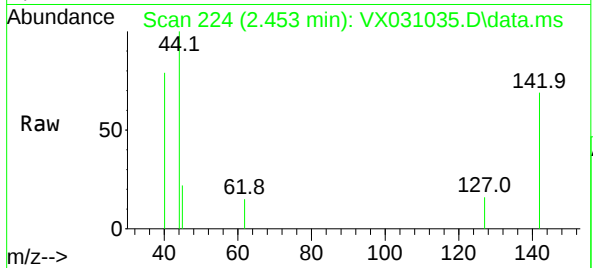




#10
Methyl Iodide
Concen: 3.061 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

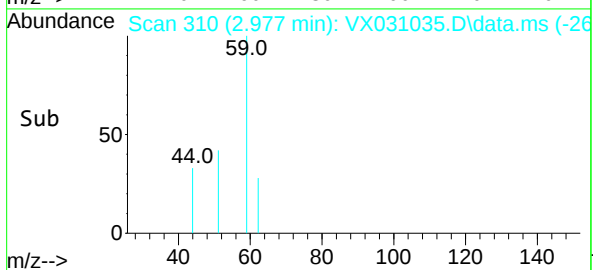
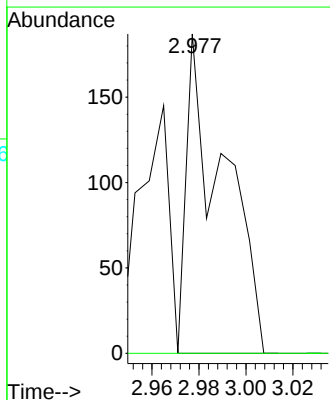
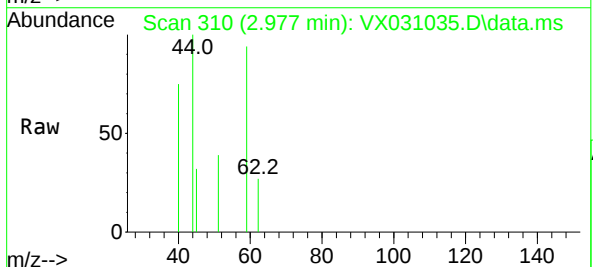
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20220819

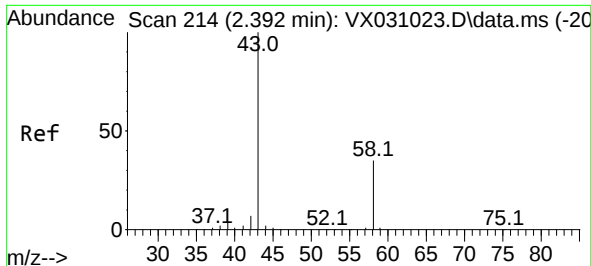
Tgt Ion:142 Resp: 414
Ion Ratio Lower Upper
142 100
127 15.5 30.2 45.2#
141 15.2 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

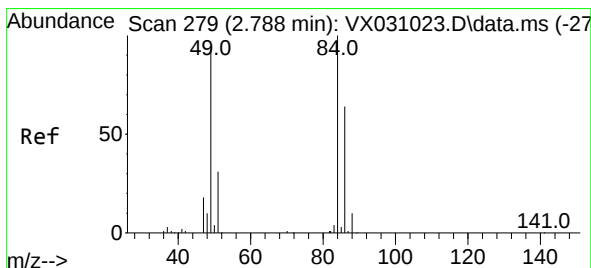
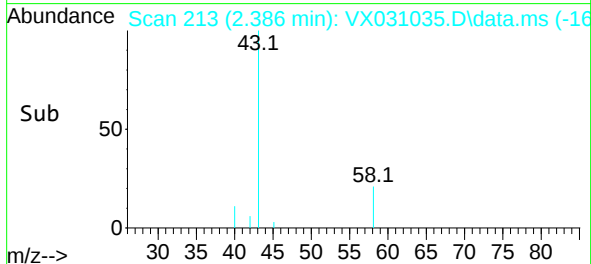
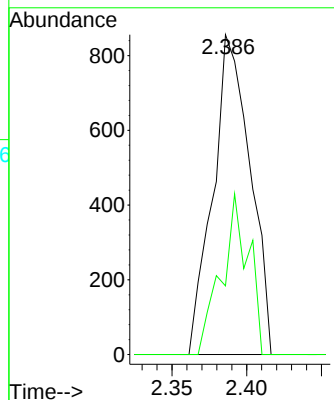
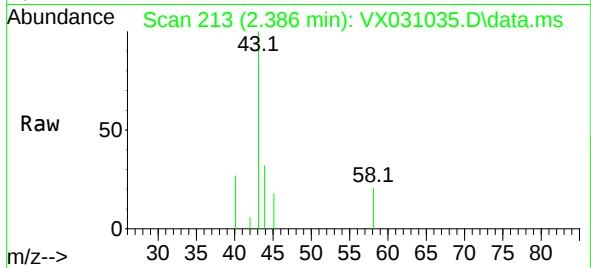




#16
Acetone
Concen: 1.353 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

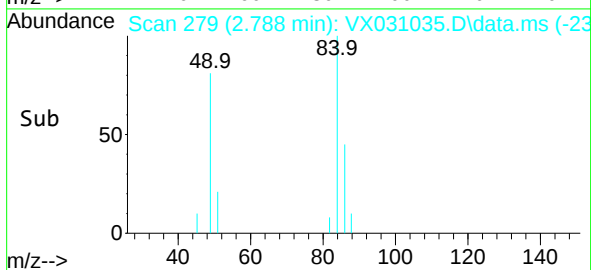
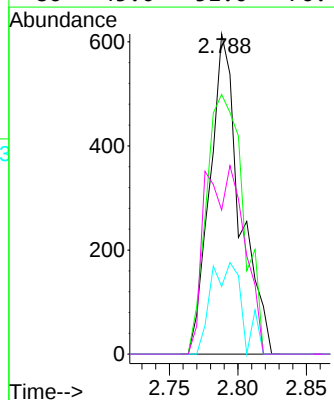
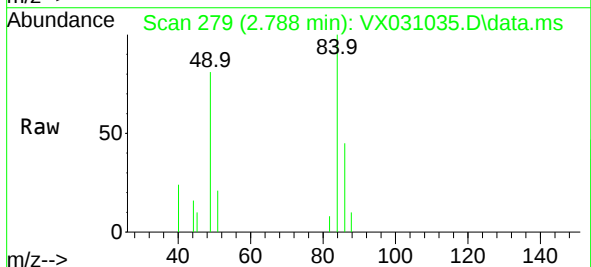
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20220819

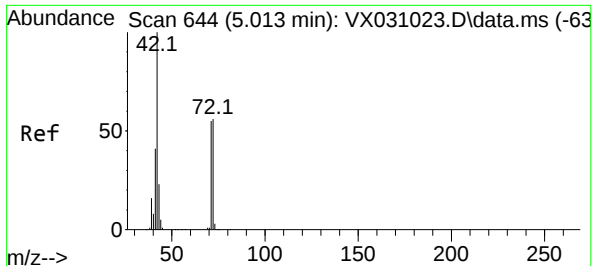
Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
58 21.5 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

Tgt Ion: 84 Resp: 941
Ion Ratio Lower Upper
84 100
49 81.1 93.8 140.6#
51 21.1 29.4 44.0#
86 45.0 51.0 76.4#





#29

Tetrahydrofuran

Concen: 0.457 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.025 min

Lab File: VX031035.D

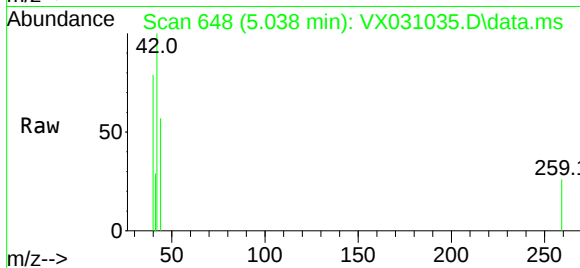
Acq: 01 Sep 2022 21:19

Instrument :

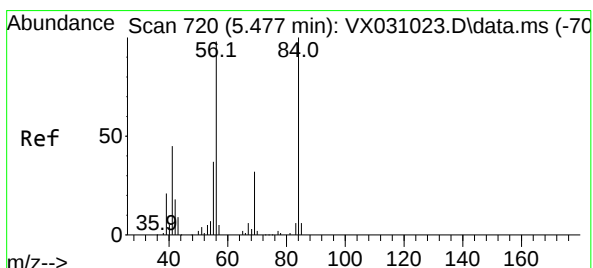
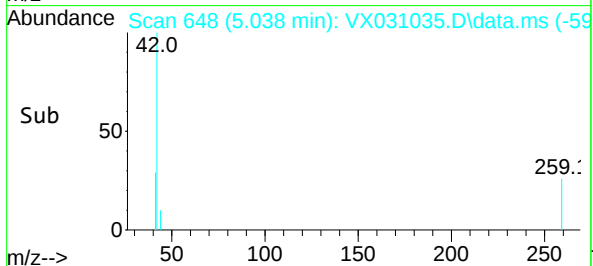
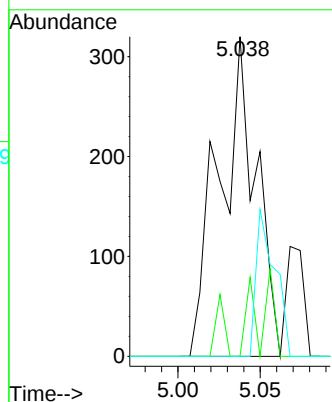
MSVOA_X

ClientSampleId :

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Tgt Ion:	42	Resp:	497
Ion	Ratio	Lower	Upper
42	100		
72	4.6	36.5	54.7#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 0.955 ug/l

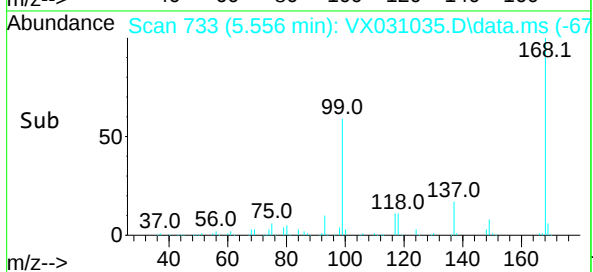
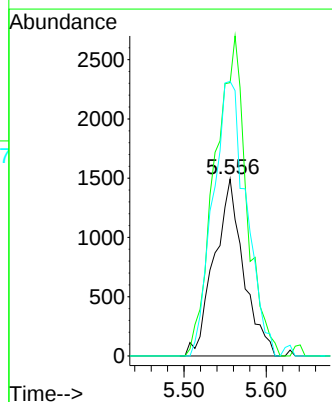
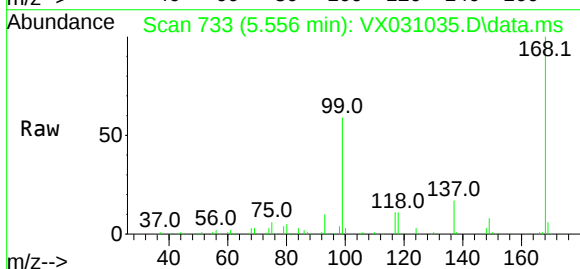
RT: 5.556 min Scan# 733

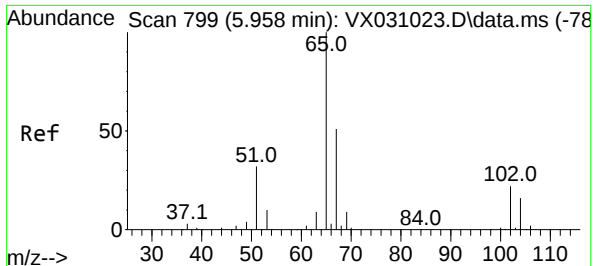
Delta R.T. 0.079 min

Lab File: VX031035.D

Acq: 01 Sep 2022 21:19

Tgt Ion:	56	Resp:	3691
Ion	Ratio	Lower	Upper
56	100		
69	154.5	25.4	38.0#
84	155.2	68.9	103.3#





#33

1,2-Dichloroethane-d4

Concen: 54.889 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX031035.D

Acq: 01 Sep 2022 21:19

Instrument :

MSVOA_X

ClientSampleId :

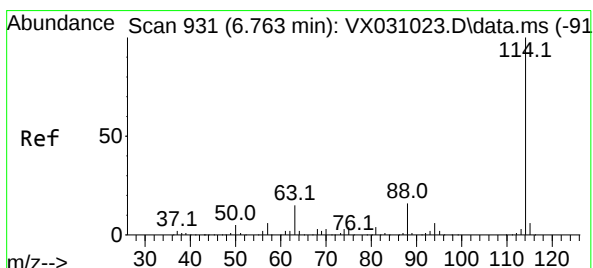
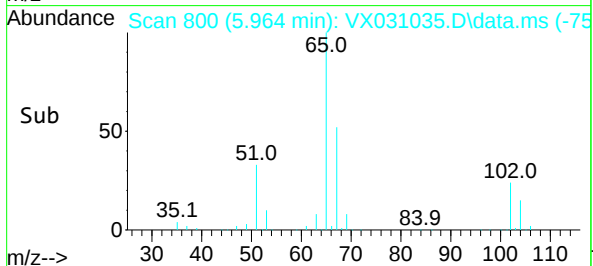
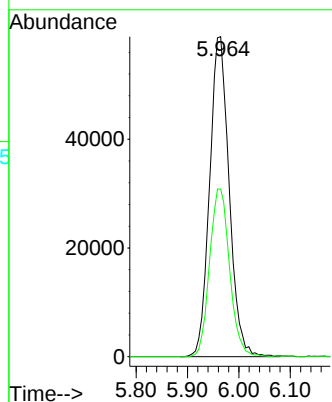
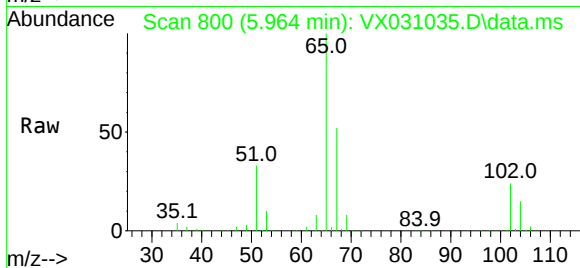
MW201D1-20220819

Tgt Ion: 65 Resp: 155371

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX031035.D

Acq: 01 Sep 2022 21:19

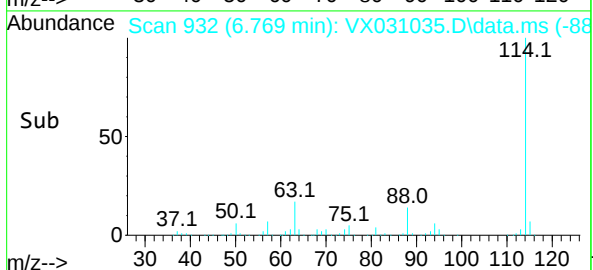
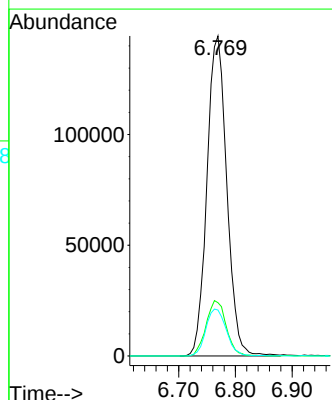
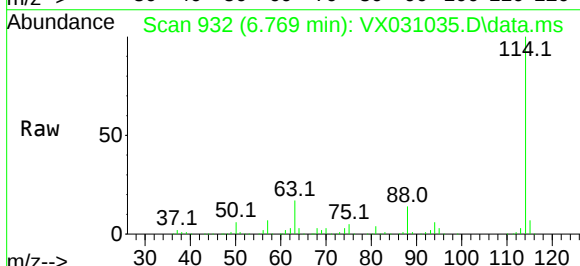
Tgt Ion: 114 Resp: 351468

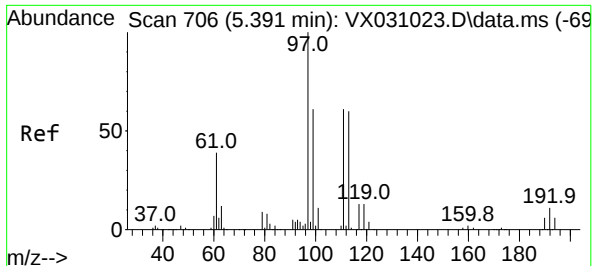
Ion Ratio Lower Upper

114 100

63 16.7 0.0 38.4

88 14.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 58.500 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031035.D

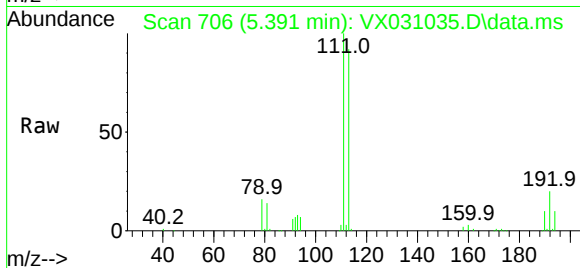
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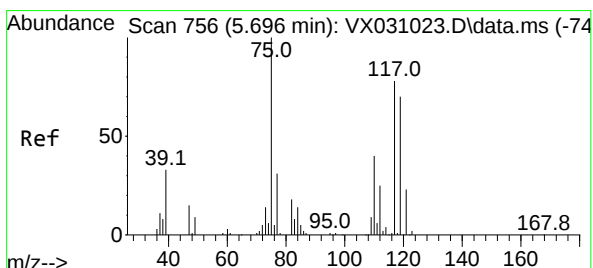
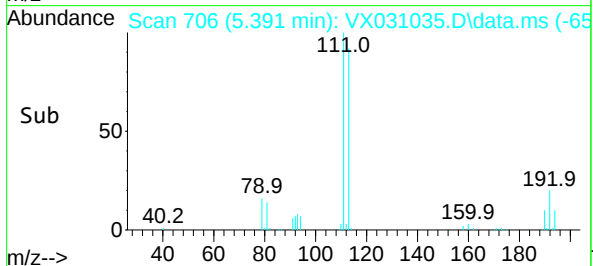
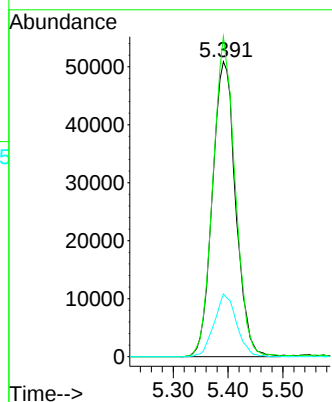
Tgt Ion:113 Resp: 150046

Ion Ratio Lower Upper

113 100

111 103.5 83.2 124.8

192 20.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.184 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031035.D

Acq: 01 Sep 2022 21:19

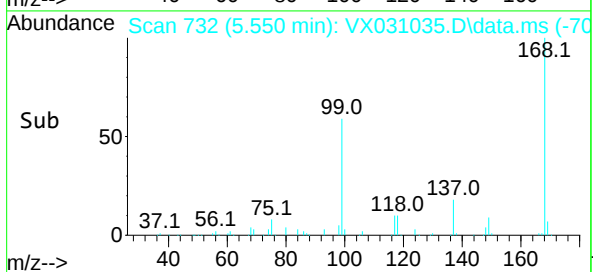
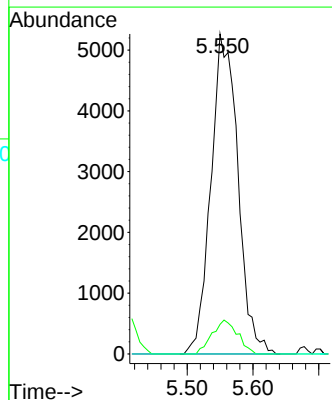
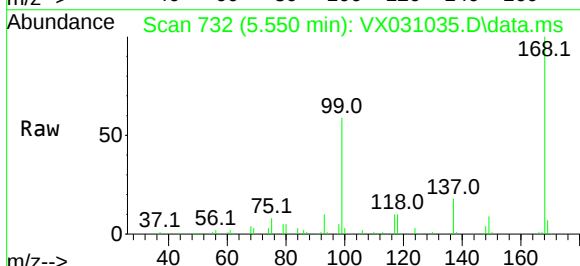
Tgt Ion: 75 Resp: 15030

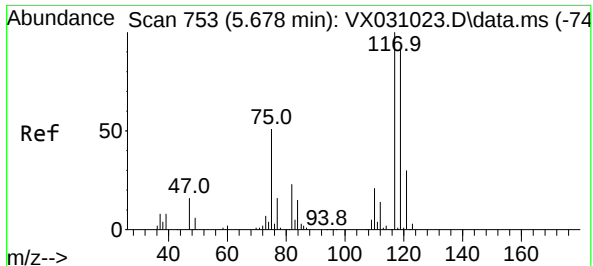
Ion Ratio Lower Upper

75 100

110 10.0 19.3 57.9#

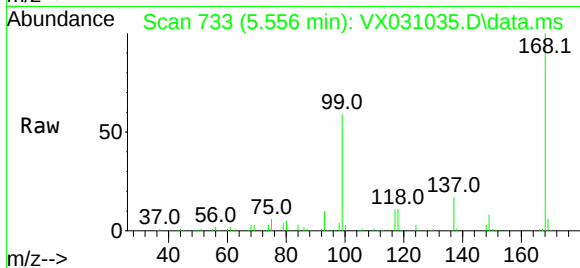
77 0.0 24.4 36.6#



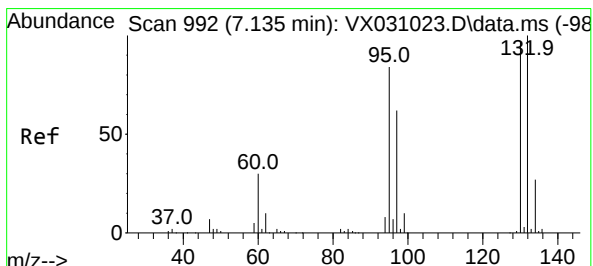
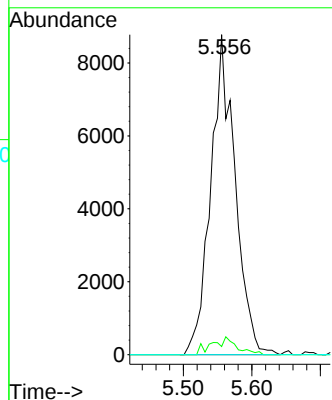
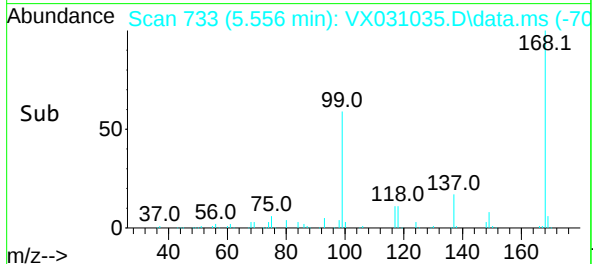


#38
Carbon Tetrachloride
Concen: 5.820 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20220819

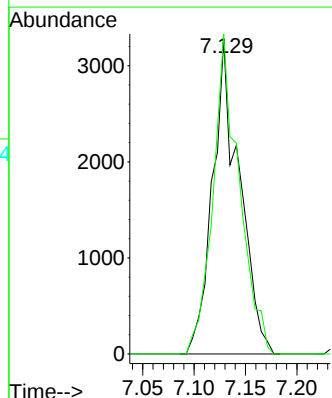
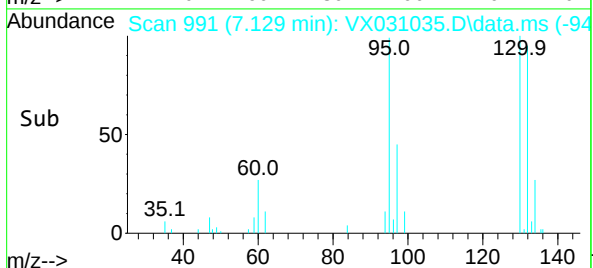
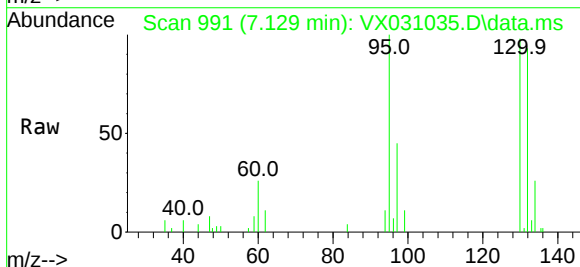


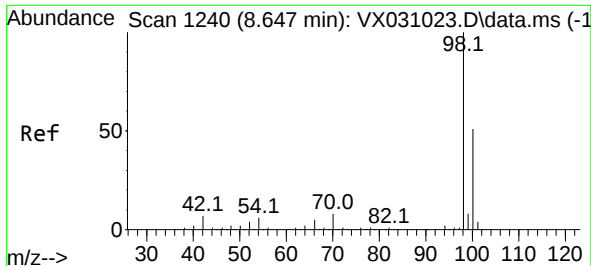
Tgt Ion:117 Resp: 21704
Ion Ratio Lower Upper
117 100
119 2.5 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 1.826 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

Tgt Ion:130 Resp: 5963
Ion Ratio Lower Upper
130 100
95 101.7 0.0 194.8

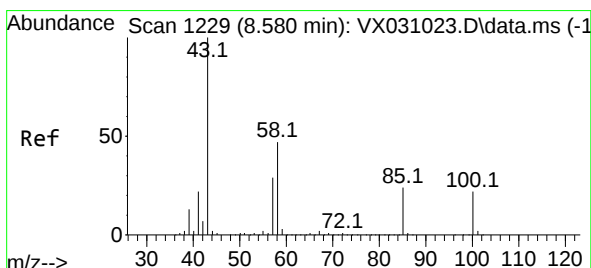
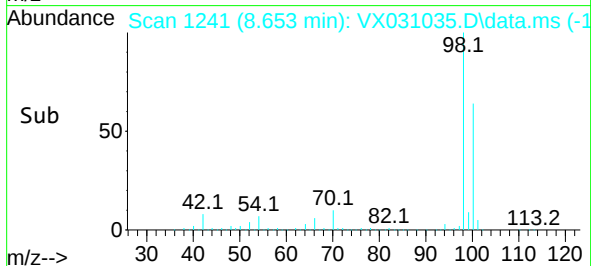
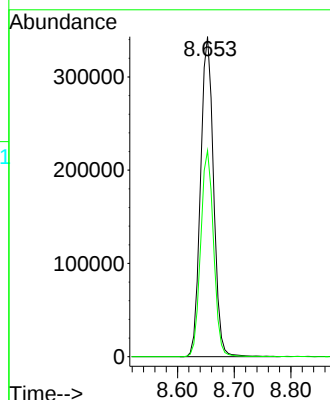
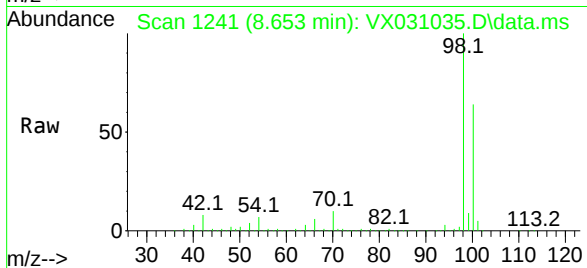




#50
Toluene-d8
Concen: 57.921 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

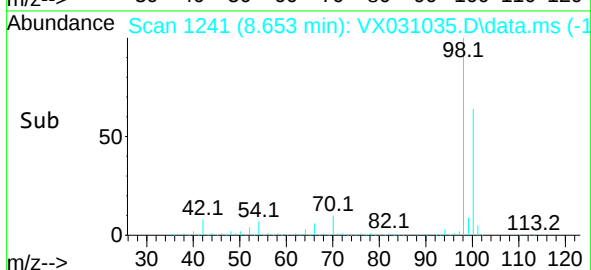
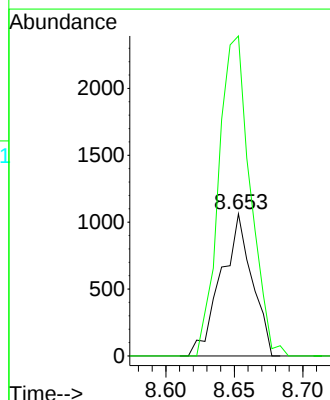
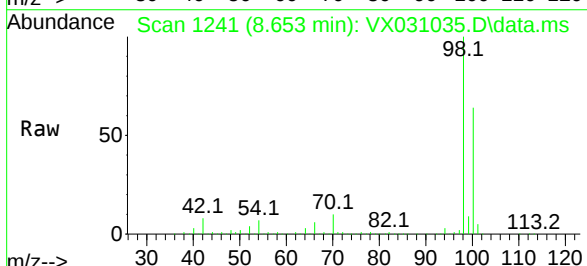
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20220819

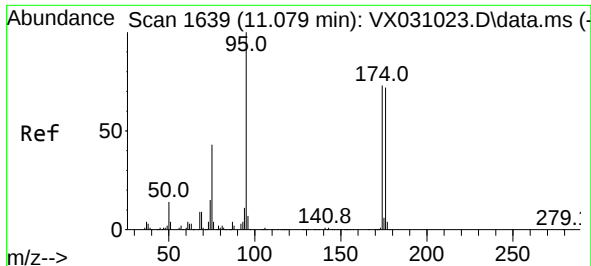
Tgt Ion: 98 Resp: 546760
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.534 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

Tgt Ion: 43 Resp: 1674
Ion Ratio Lower Upper
43 100
58 228.8 31.4 47.2#

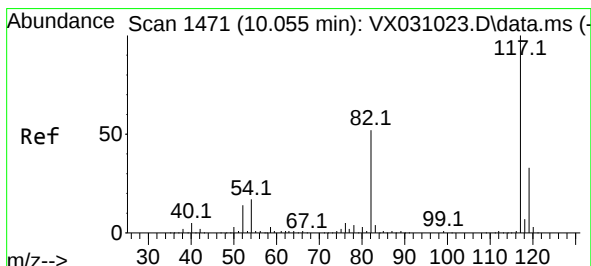
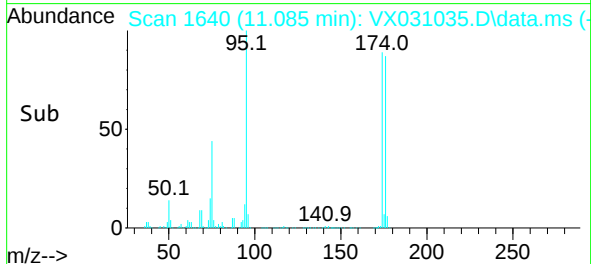
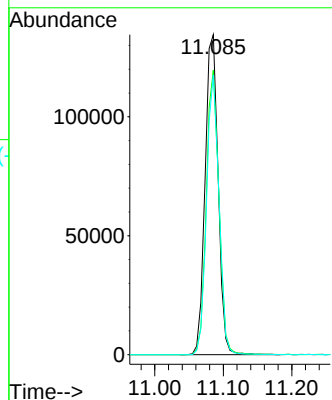
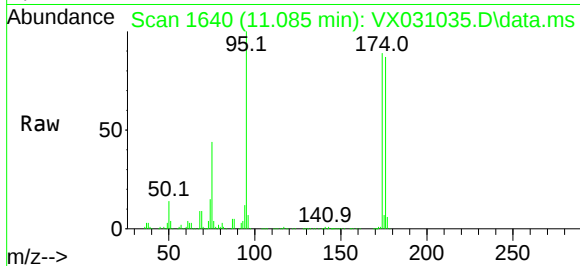




#62
4-Bromofluorobenzene
Concen: 53.516 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

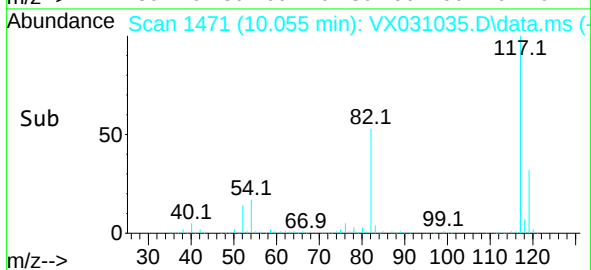
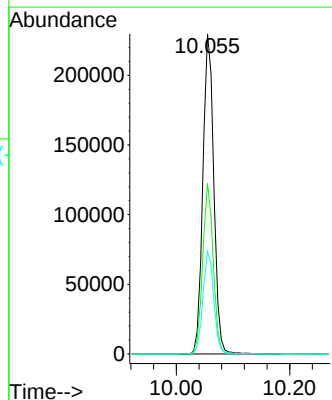
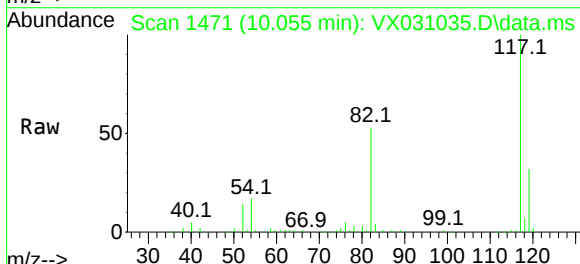
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20220819

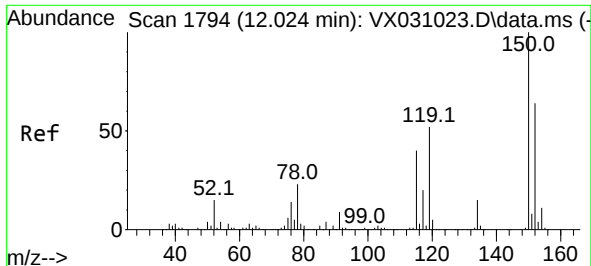
Tgt Ion: 95 Resp: 178428
Ion Ratio Lower Upper
95 100
174 86.0 0.0 149.0
176 83.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

Tgt Ion: 117 Resp: 306610
Ion Ratio Lower Upper
117 100
82 53.3 42.7 64.1
119 32.2 25.4 38.2

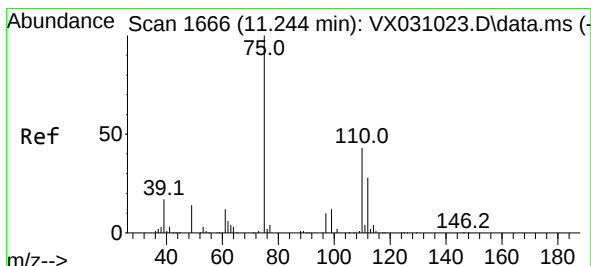
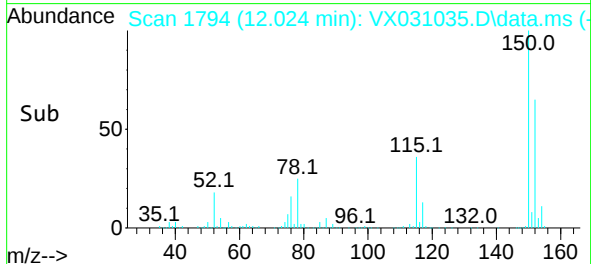
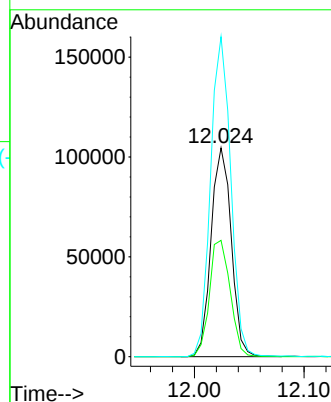
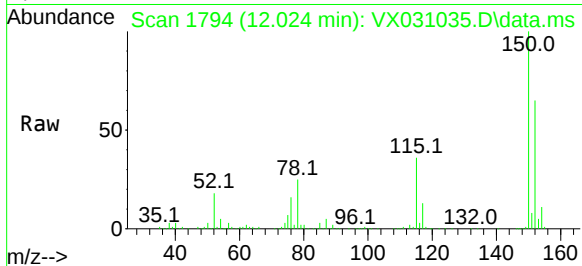




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

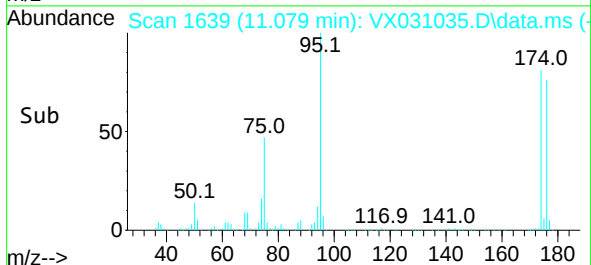
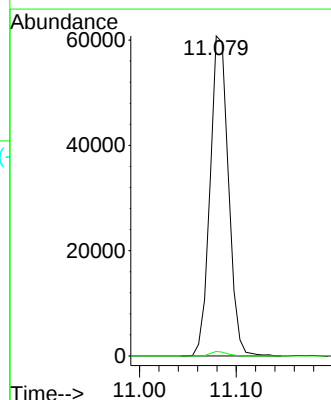
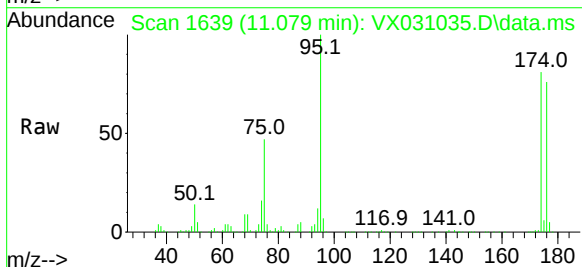
Instrument :
MSVOA_X
ClientSampleId :
MW201D1-20220819

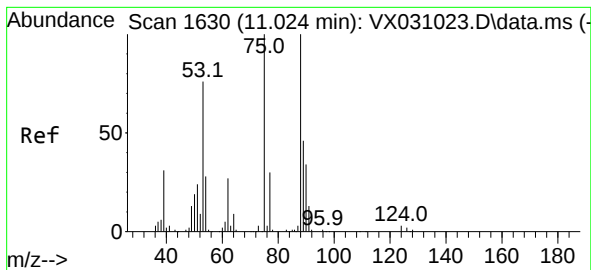
Tgt Ion:152 Resp: 134050
Ion Ratio Lower Upper
152 100
115 57.2 40.5 121.5
150 153.6 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 25.406 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031035.D
Acq: 01 Sep 2022 21:19

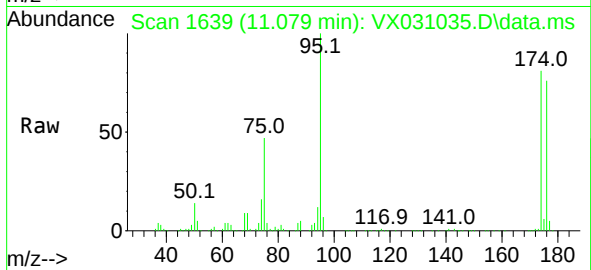
Tgt Ion: 75 Resp: 80508
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.845 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031035.D
 Acq: 01 Sep 2022 21:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MW201D1-20220819



Tgt Ion: 75 Resp: 80508
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

