

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090222\
 Data File : VX031070.D
 Acq On : 02 Sep 2022 16:25
 Operator : JC/MD
 Sample : N4297-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW8-MW01D2-20220821

Quant Time: Sep 03 00:50:31 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)

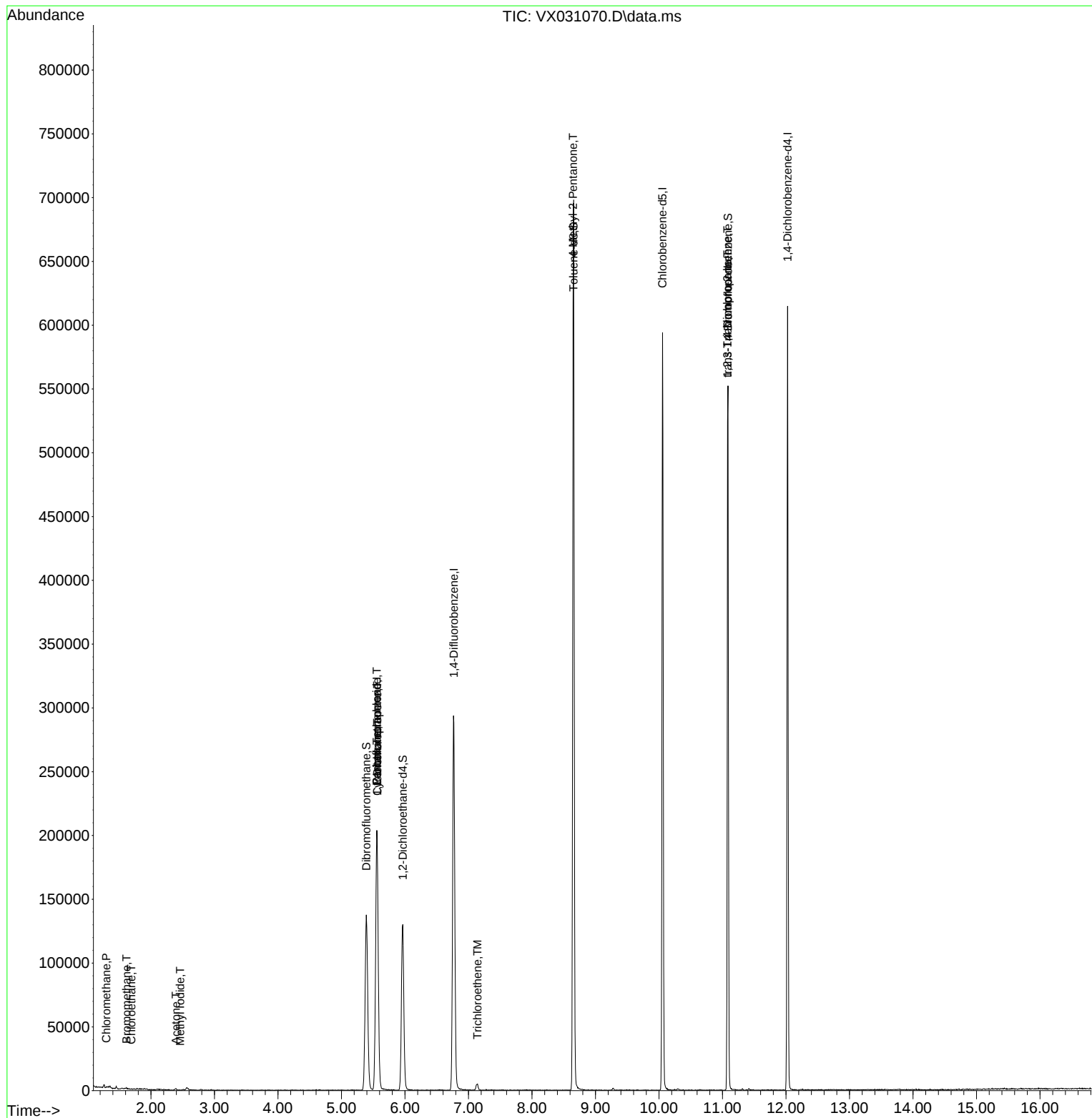
Internal Standards						
1) Pentafluorobenzene	5.556	168	206637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	326857	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	296346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	125686	47.272	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.540%
35) Dibromofluoromethane	5.391	113	123208	51.653	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.300%
50) Toluene-d8	8.653	98	442648	50.423	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.840%
62) 4-Bromofluorobenzene	11.085	95	149771	48.304	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	133	0.765	ug/l #	71
5) Bromomethane	1.618	94	231	0.233	ug/l	83
6) Chloroethane	1.691	64	120	1.811	ug/l #	41
10) Methyl Iodide	2.459	142	64	2.934	ug/l #	45
11) Tert butyl alcohol	2.953	59	26	Below Cal	#	74
16) Acetone	2.392	43	1274	1.241	ug/l #	85
20) Methylene Chloride	2.782	84	470	Below Cal	#	40
31) Cyclohexane	5.562	56	3223	0.887	ug/l #	2
36) 1,1-Dichloropropene	5.562	75	13920	4.166	ug/l #	48
38) Carbon Tetrachloride	5.556	117	19780	5.703	ug/l #	20
44) Trichloroethene	7.141	130	2542	0.837	ug/l	73
51) 4-Methyl-2-Pentanone	8.647	43	1535	0.526	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	71724	22.863	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	71724	71.852	ug/l #	13

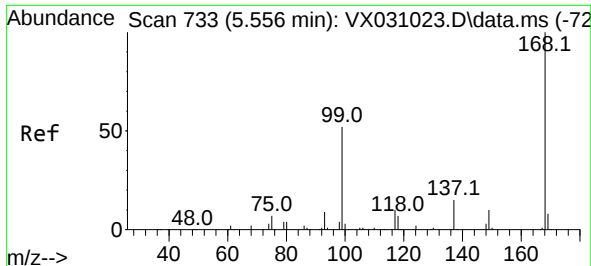
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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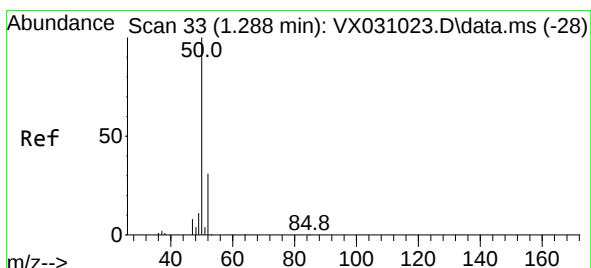
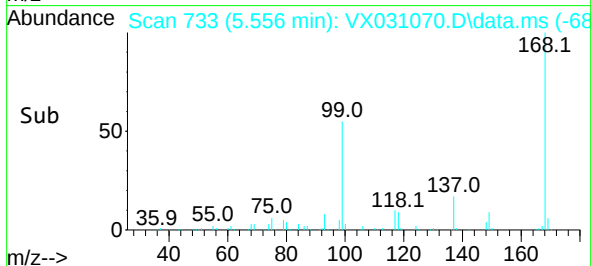
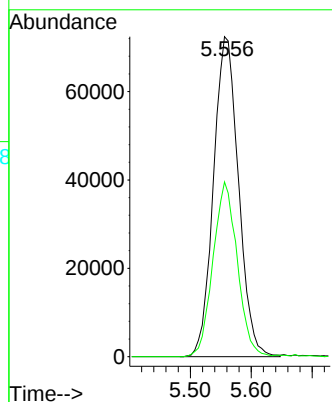
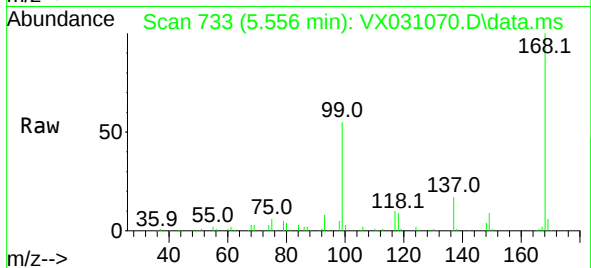




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

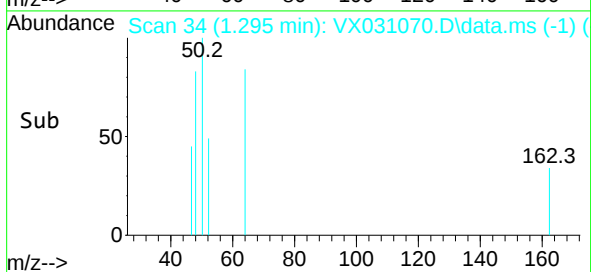
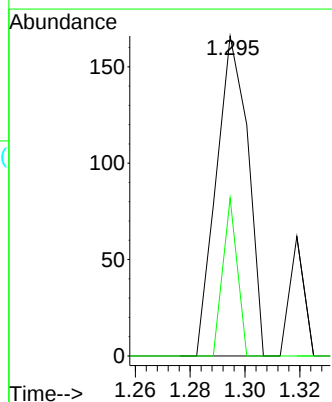
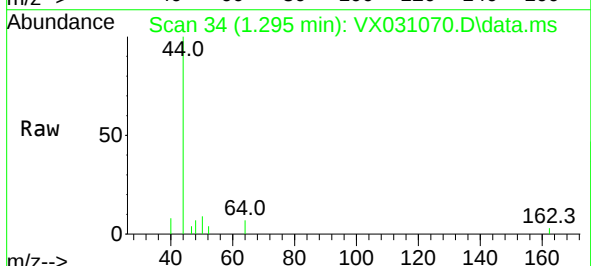
Instrument :
MSVOA_X
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RW8-MW01D2-20220821

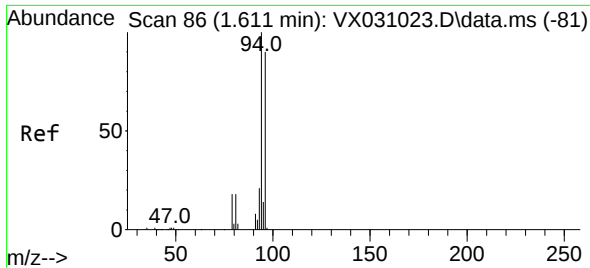
Tgt Ion:168 Resp: 206637
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#3
Chloromethane
Concen: 0.765 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

Tgt Ion: 50 Resp: 133
Ion Ratio Lower Upper
50 100
52 49.4 26.3 39.5#

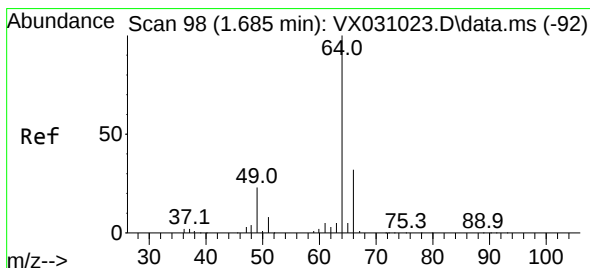
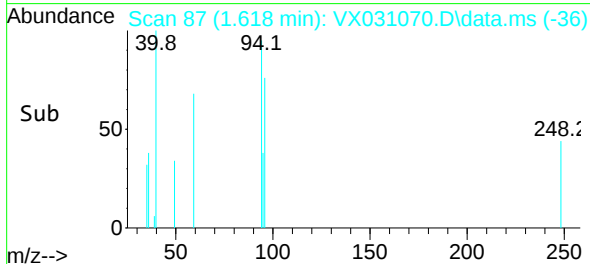
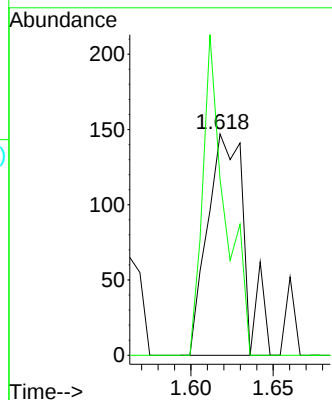
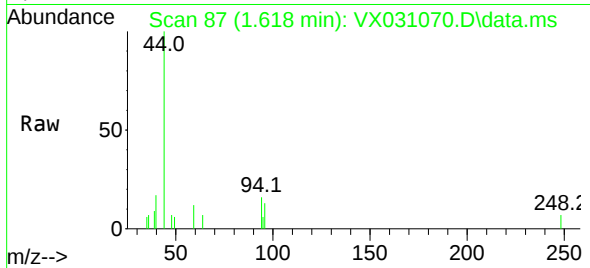




#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

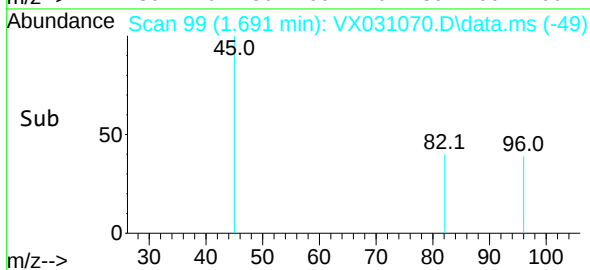
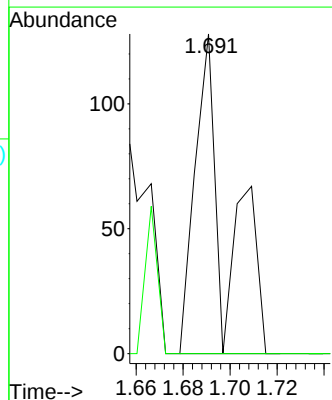
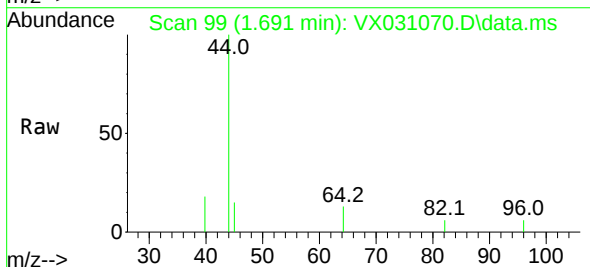
Instrument :
MSVOA_X
ClientSampleId :
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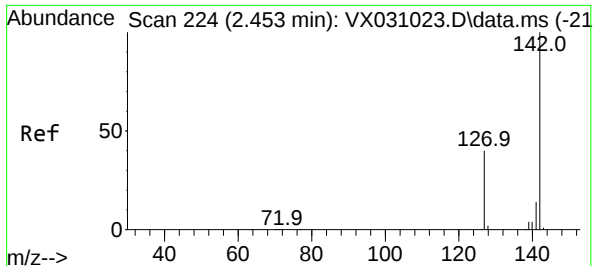
Tgt Ion: 94 Resp: 231
Ion Ratio Lower Upper
94 100
96 79.6 76.9 115.3



#6
Chloroethane
Concen: 1.811 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

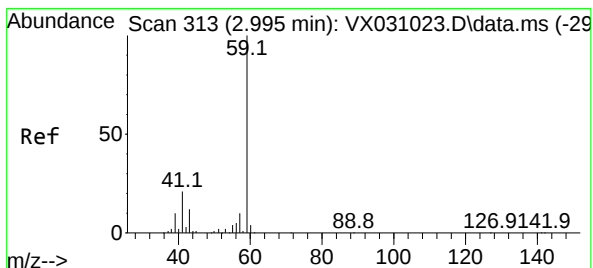
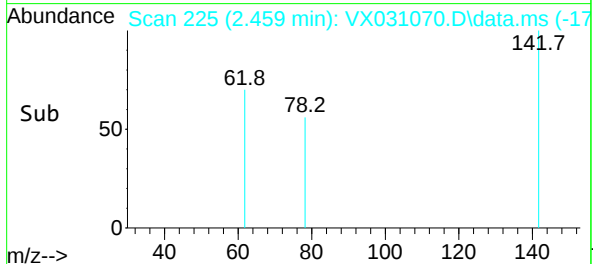
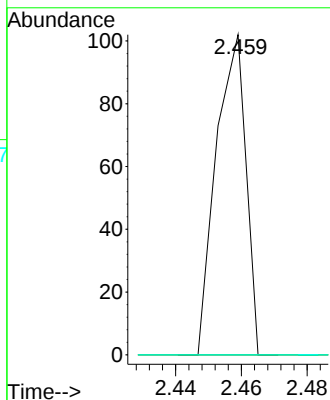
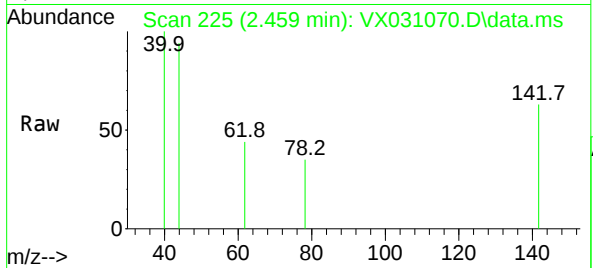




#10
Methyl Iodide
Concen: 2.934 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

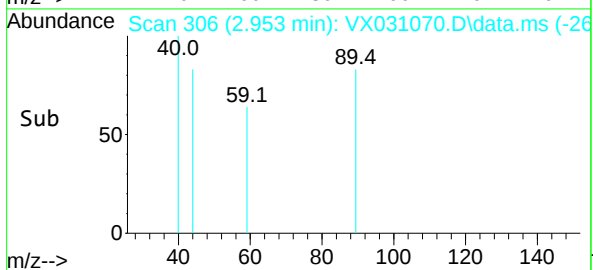
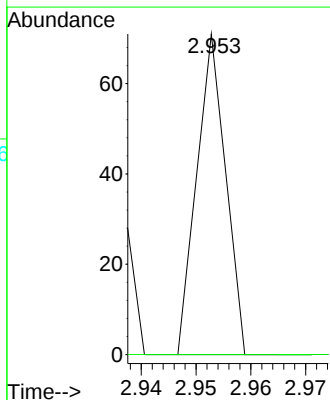
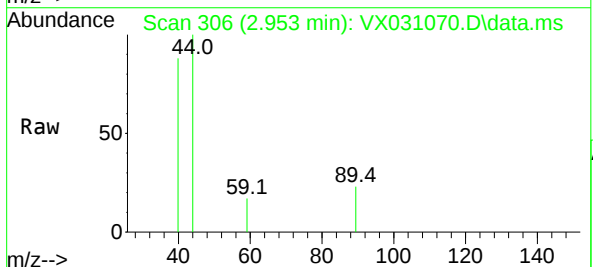
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20220821

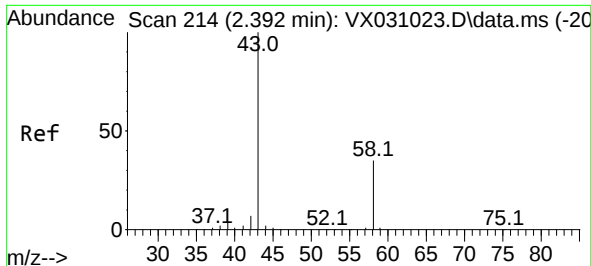
Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

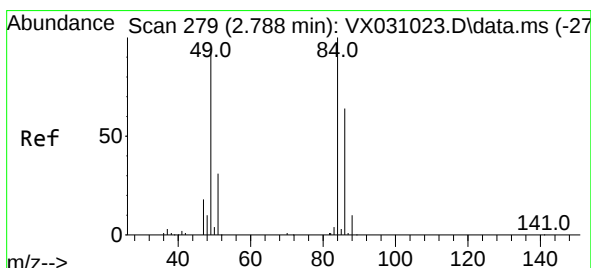
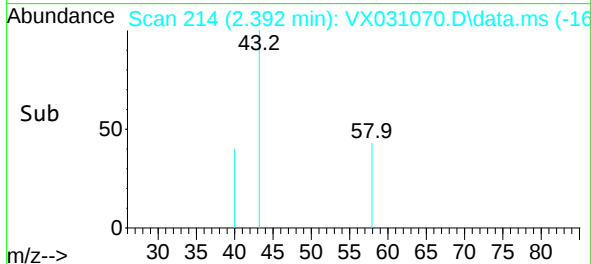
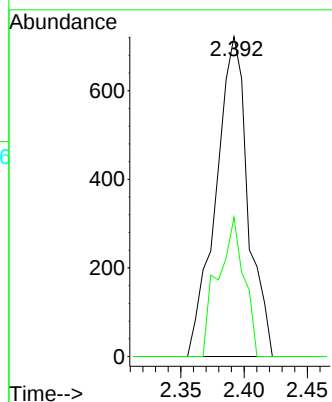
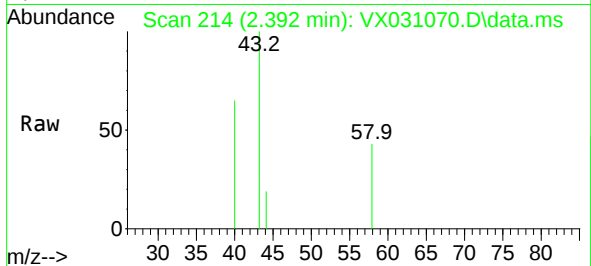




#16
Acetone
Concen: 1.241 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

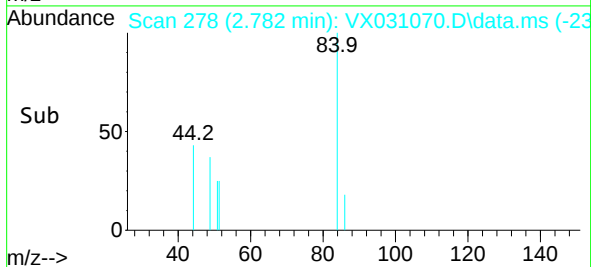
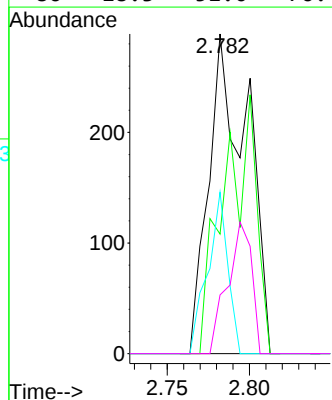
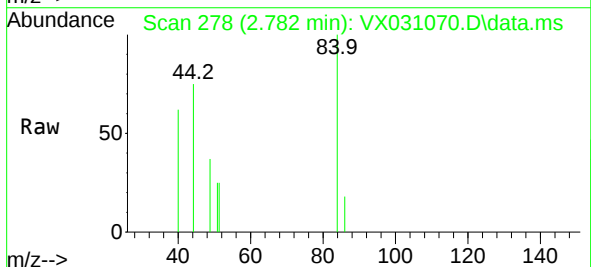
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20220821

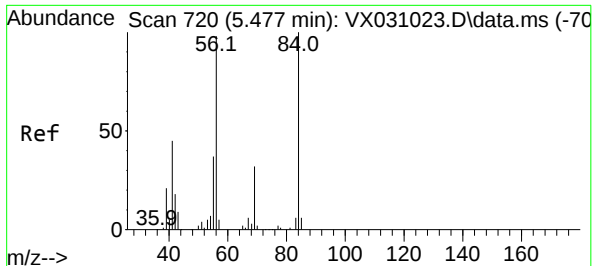
Tgt Ion: 43 Resp: 1274
Ion Ratio Lower Upper
43 100
58 43.5 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

Tgt Ion: 84 Resp: 470
Ion Ratio Lower Upper
84 100
49 37.4 93.8 140.6#
51 50.5 29.4 44.0#
86 18.3 51.0 76.4#





#31

Cyclohexane

Concen: 0.887 ug/l

RT: 5.562 min Scan# 71

Delta R.T. 0.085 min

Lab File: VX031070.D

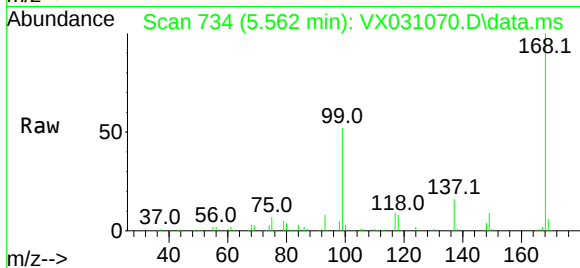
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Instrument :

MSVOA_X

ClientSampleId :

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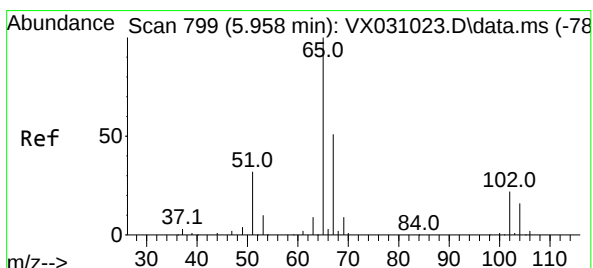
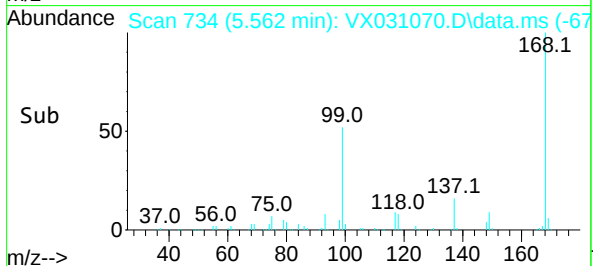
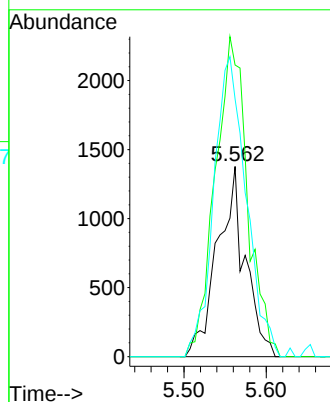
Tgt Ion: 56 Resp: 3223

Ion Ratio Lower Upper

56 100

69 153.3 25.4 38.0#

84 135.5 68.9 103.3#



#33

1,2-Dichloroethane-d4

Concen: 47.272 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX031070.D

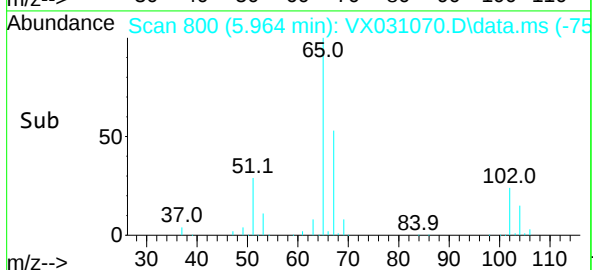
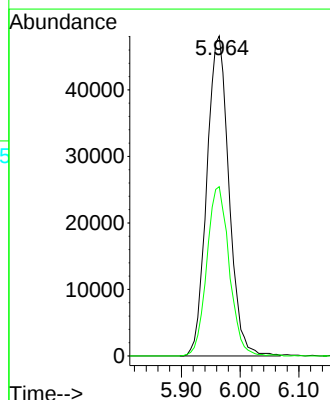
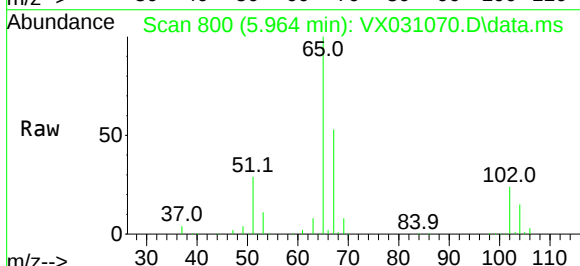
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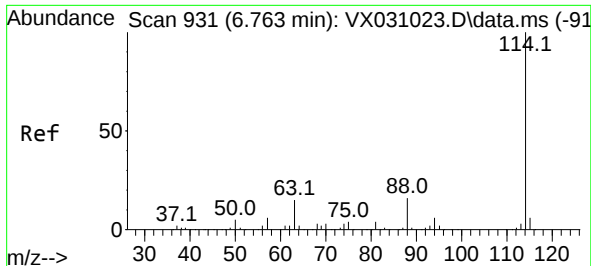
Tgt Ion: 65 Resp: 125686

Ion Ratio Lower Upper

65 100

67 53.6 0.0 109.6

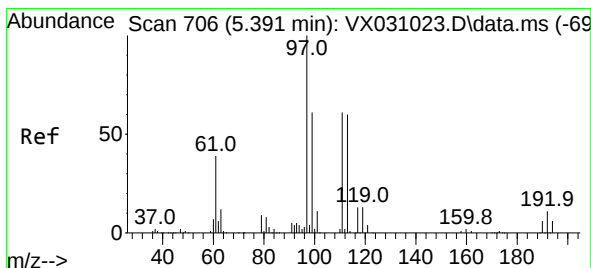
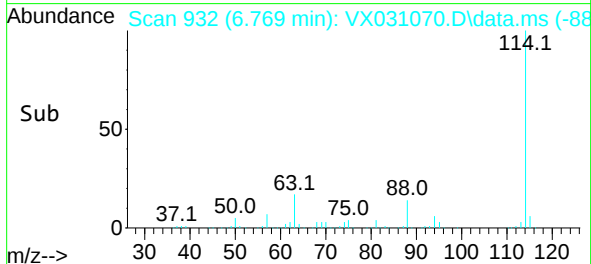
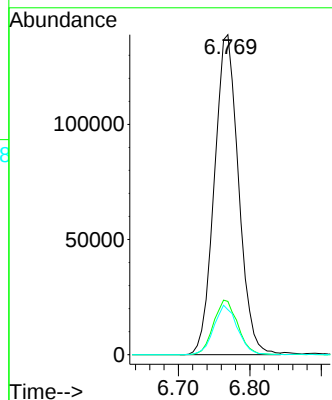
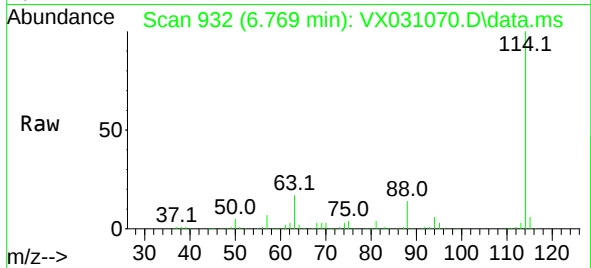




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

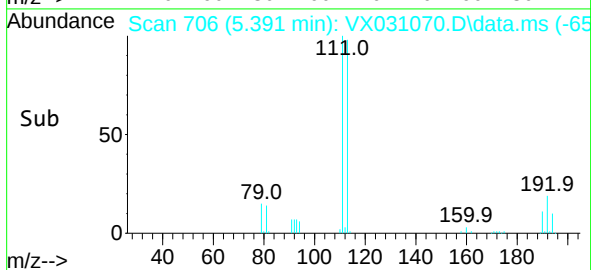
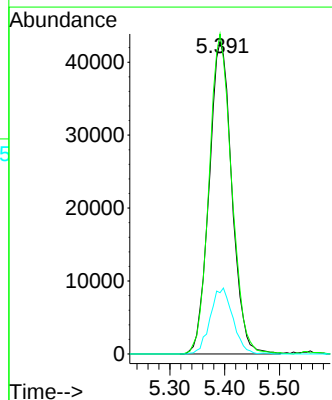
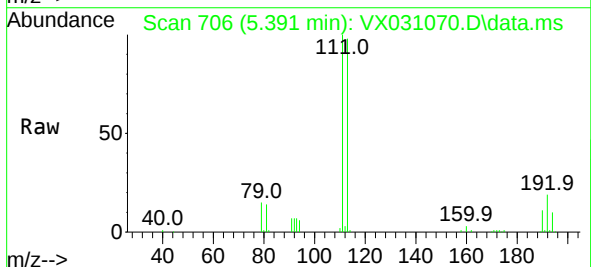
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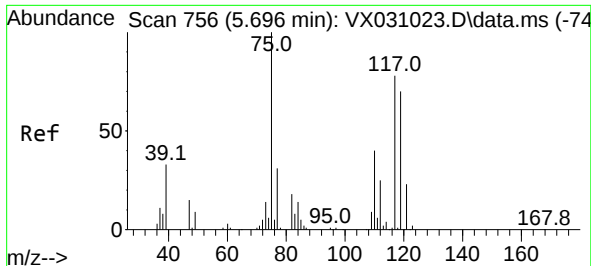
Tgt Ion:114 Resp: 326857
Ion Ratio Lower Upper
114 100
63 16.6 0.0 38.4
88 14.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.653 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

Tgt Ion:113 Resp: 123208
Ion Ratio Lower Upper
113 100
111 101.8 83.2 124.8
192 20.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.166 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX031070.D

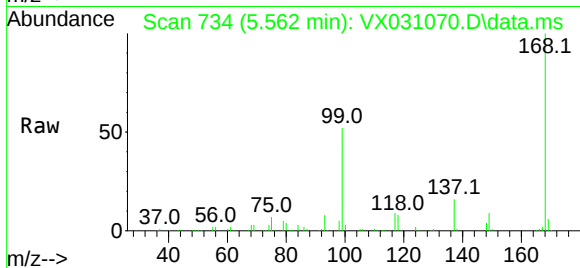
Acq: 02 Sep 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :

RW8-MW01D2-20220821



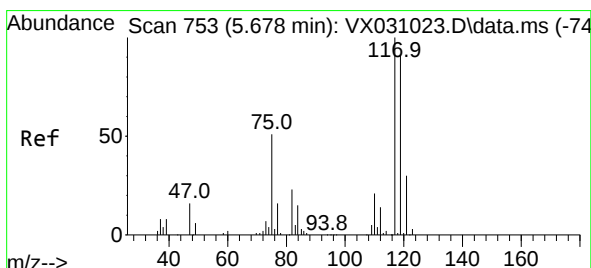
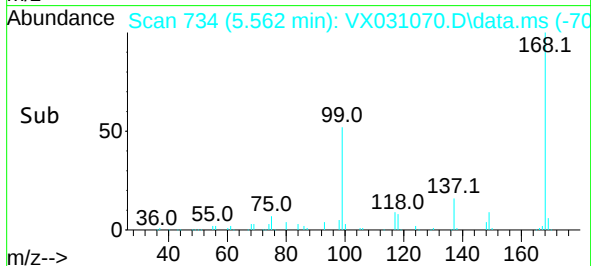
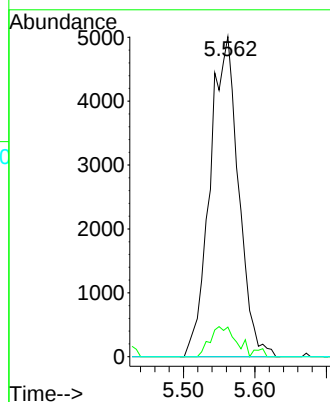
Tgt Ion: 75 Resp: 13920

Ion Ratio Lower Upper

75 100

110 9.0 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.703 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX031070.D

Acq: 02 Sep 2022 16:25

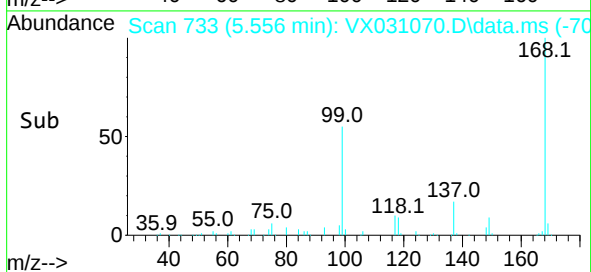
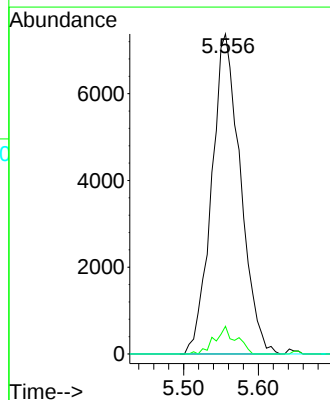
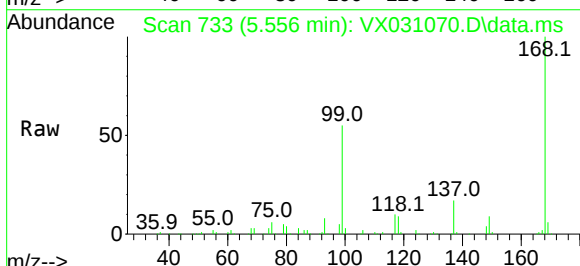
Tgt Ion: 117 Resp: 19780

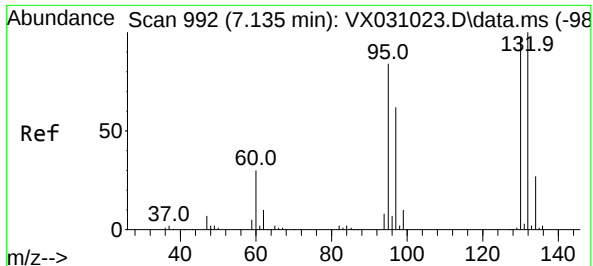
Ion Ratio Lower Upper

117 100

119 8.7 74.1 111.1#

121 0.0 25.8 38.8#

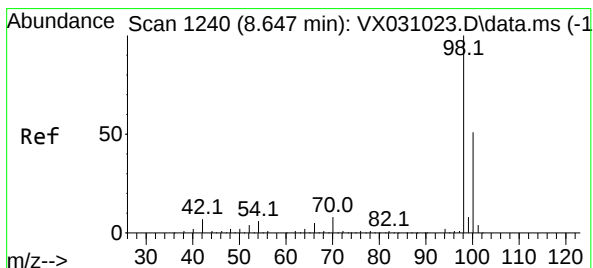
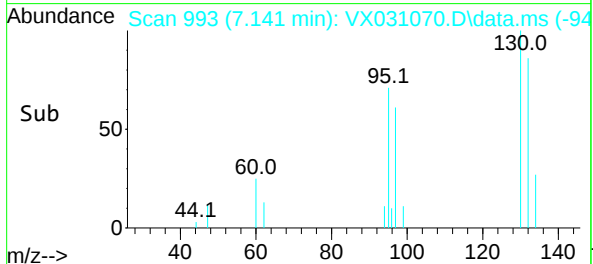
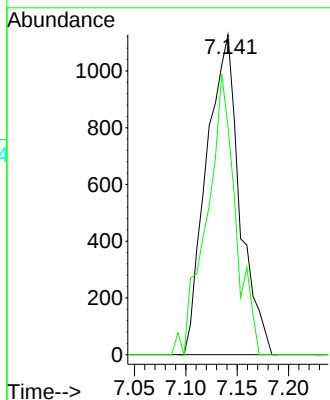
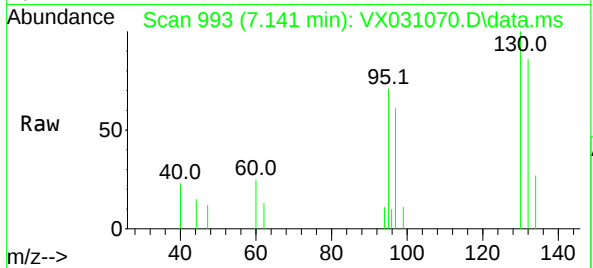




#44
Trichloroethene
Concen: 0.837 ug/l
RT: 7.141 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

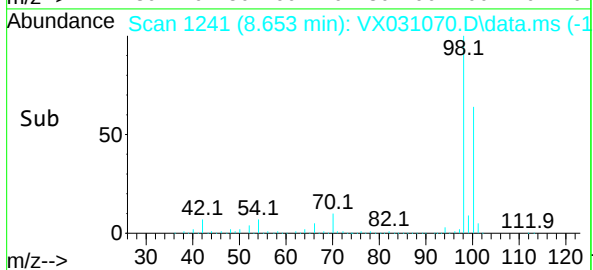
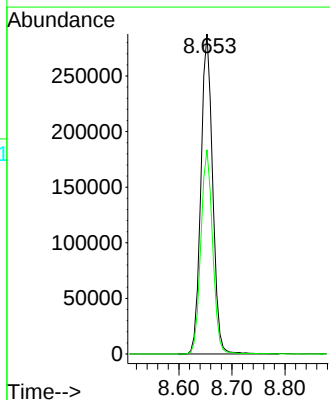
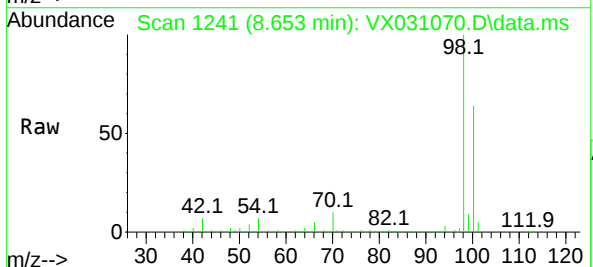
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20220821

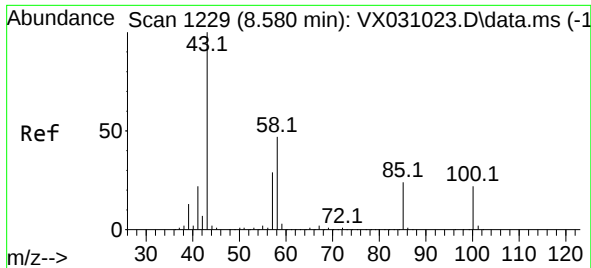
Tgt Ion:130 Resp: 2542
Ion Ratio Lower Upper
130 100
95 71.3 0.0 194.8



#50
Toluene-d8
Concen: 50.423 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

Tgt Ion: 98 Resp: 442648
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5

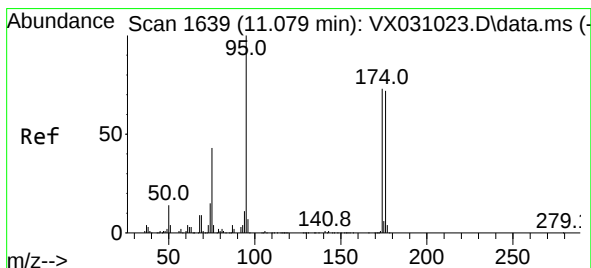
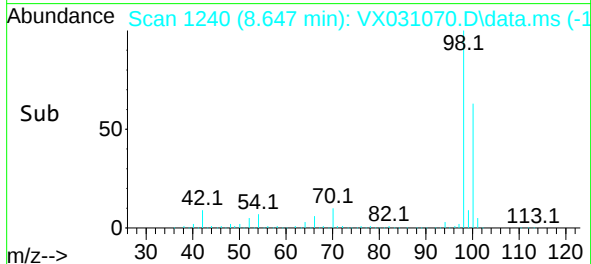
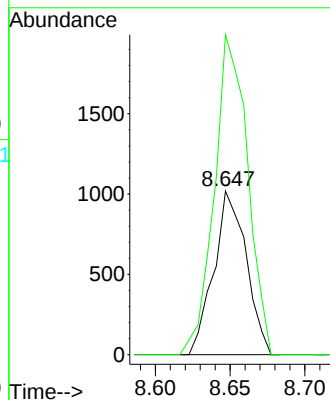
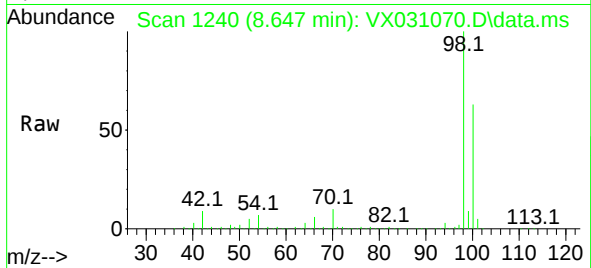




#51
4-Methyl-2-Pentanone
Concen: 0.526 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

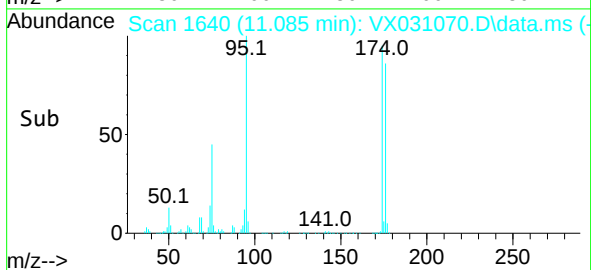
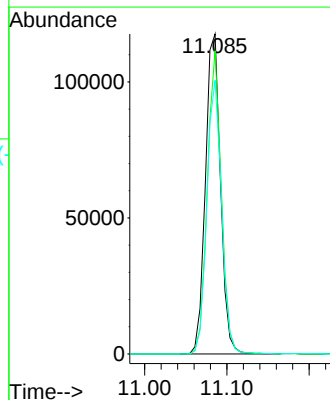
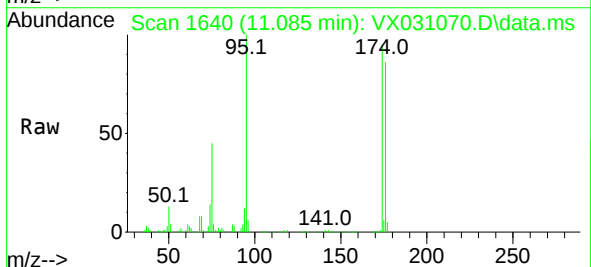
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20220821

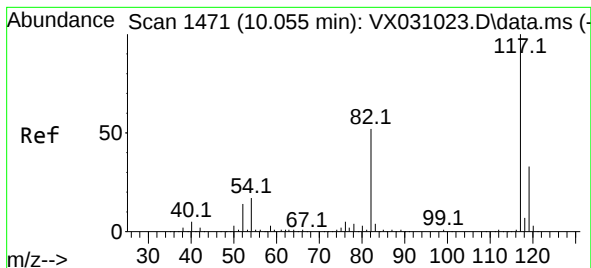
Tgt Ion: 43 Resp: 1535
Ion Ratio Lower Upper
43 100
58 200.8 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 48.304 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

Tgt Ion: 95 Resp: 149771
Ion Ratio Lower Upper
95 100
174 88.7 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: VX031070.D

Acq: 02 Sep 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :

RW8-MW01D2-20220821

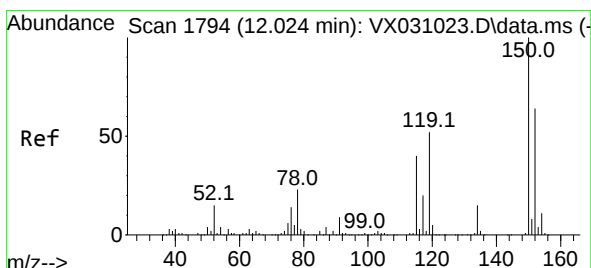
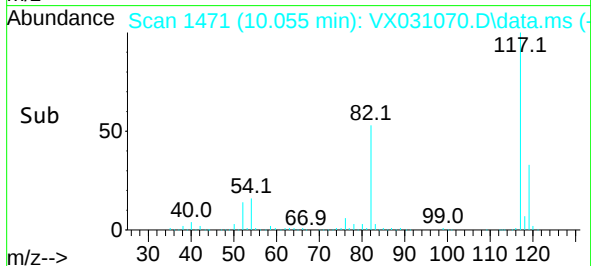
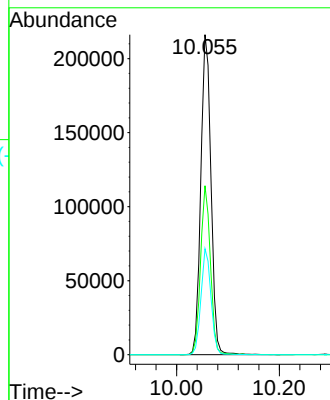
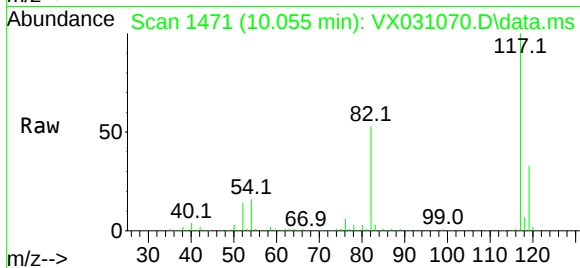
Tgt Ion:117 Resp: 296346

Ion Ratio Lower Upper

117 100

82 52.8 42.7 64.1

119 33.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX031070.D

Acq: 02 Sep 2022 16:25

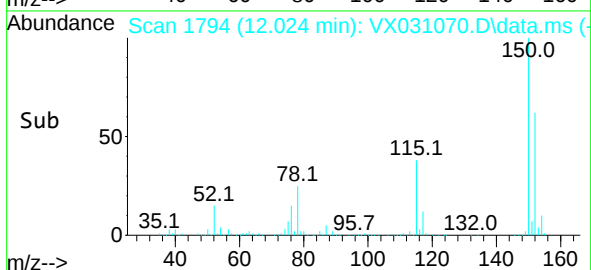
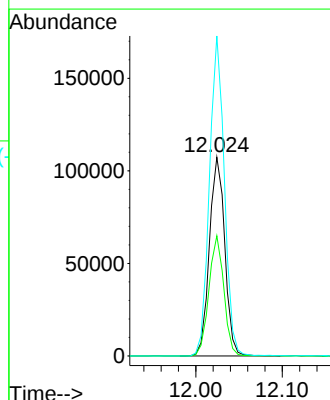
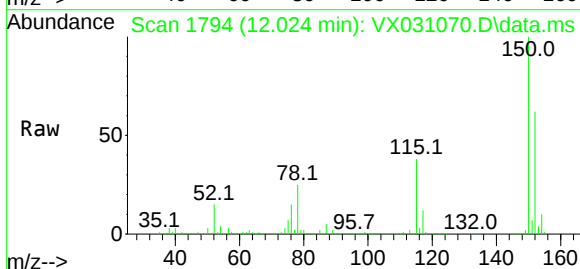
Tgt Ion:152 Resp: 132710

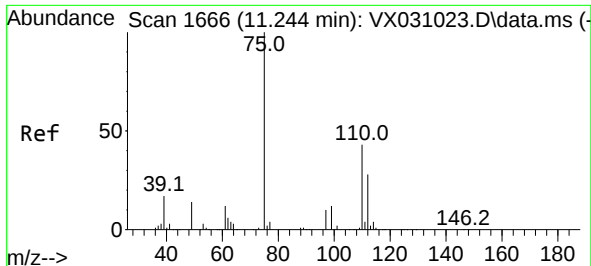
Ion Ratio Lower Upper

152 100

115 58.7 40.5 121.5

150 156.0 0.0 347.0

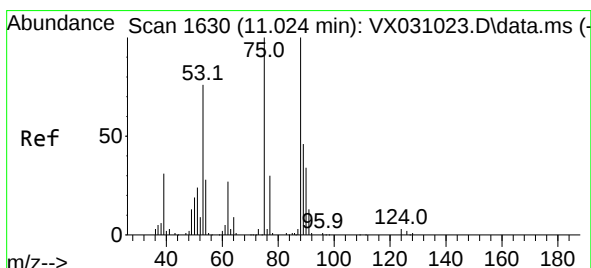
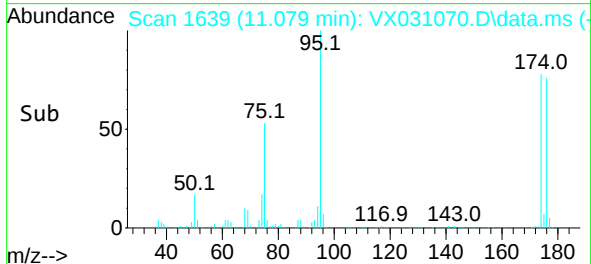
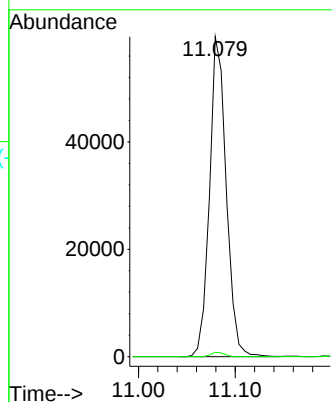
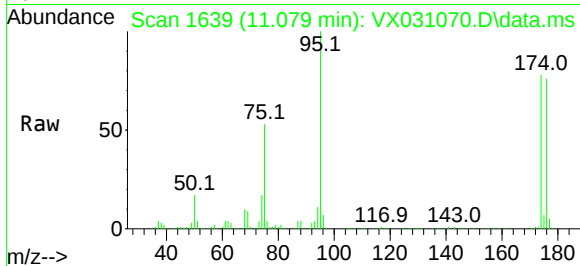




#76
1,2,3-Trichloropropane
Concen: 22.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW01D2-20220821

Tgt Ion: 75 Resp: 71724
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.852 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031070.D
Acq: 02 Sep 2022 16:25

Tgt Ion: 75 Resp: 71724
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

