

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090222\
 Data File : VX031062.D
 Acq On : 02 Sep 2022 13:18
 Operator : JC/MD
 Sample : N4298-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Quant Time: Sep 03 00:49:13 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

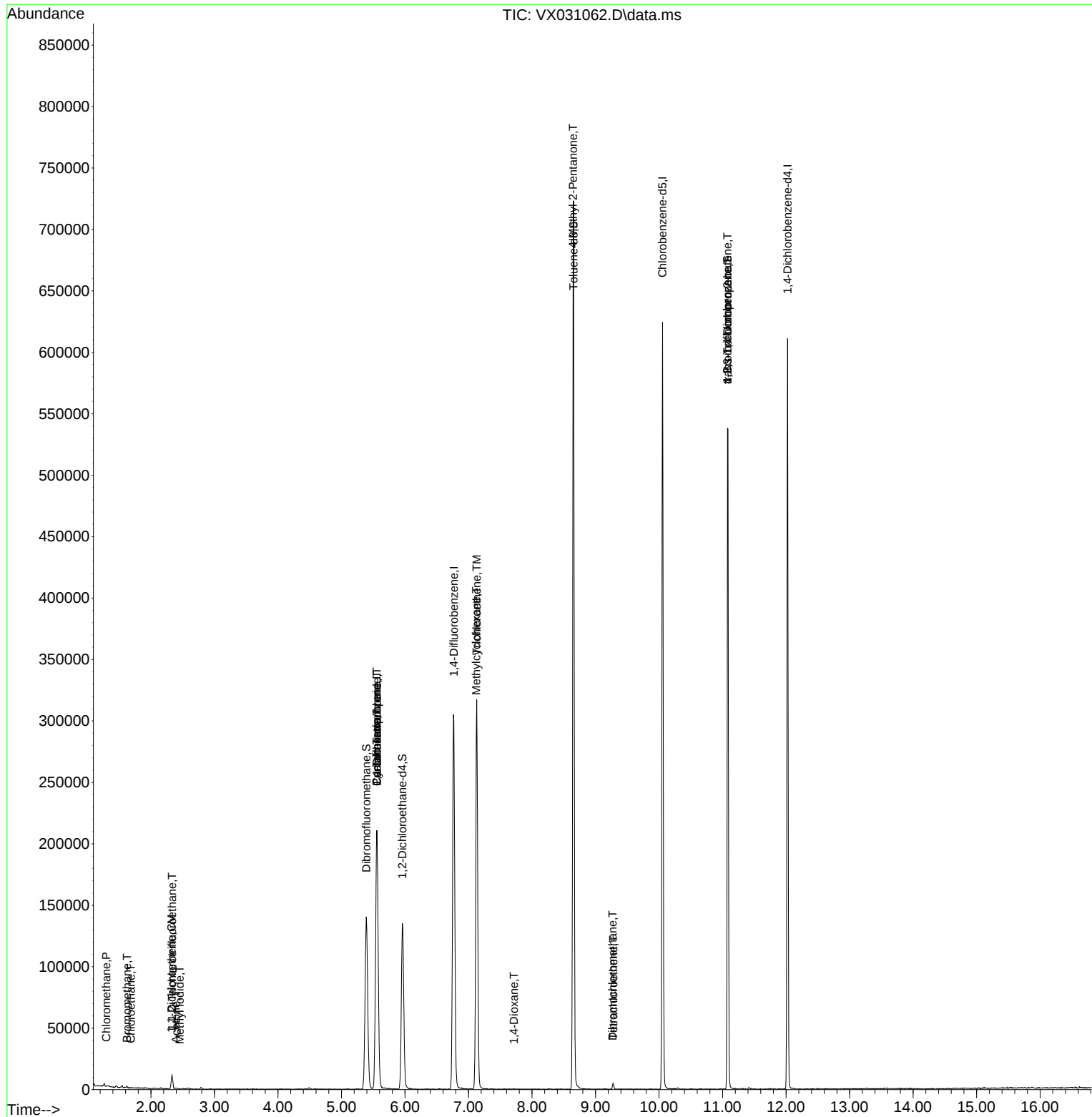
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

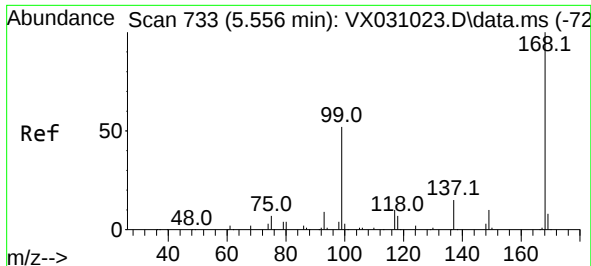
Internal Standards						
1) Pentafluorobenzene	5.556	168	214544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	341951	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	132351	47.944	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.880%		
35) Dibromofluoromethane	5.391	113	126830	50.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.640%		
50) Toluene-d8	8.653	98	457043	49.764	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.520%		
62) 4-Bromofluorobenzene	11.079	95	153708	47.385	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.780%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	299	0.840	ug/l #	82
5) Bromomethane	1.624	94	340	0.330	ug/l #	41
6) Chloroethane	1.685	64	114	1.805	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	3827	1.483	ug/l #	86
10) Methyl Iodide	2.453	142	144	2.963	ug/l #	89
11) Tert butyl alcohol	2.995	59	31	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	547	0.219	ug/l	99
16) Acetone	2.392	43	667	0.626	ug/l #	84
20) Methylene Chloride	2.782	84	559	Below Cal	#	73
31) Cyclohexane	5.556	56	3238	0.859	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13697	3.919	ug/l #	51
38) Carbon Tetrachloride	5.556	117	19867	5.476	ug/l #	18
39) Methylcyclohexane	7.123	83	1213	0.280	ug/l #	1
44) Trichloroethene	7.129	130	134089	42.215	ug/l	81
49) 1,4-Dioxane	7.714	88	97	1.331	ug/l #	25
51) 4-Methyl-2-Pentanone	8.647	43	1295	0.424	ug/l #	1
60) Dibromochloromethane	9.269	129	870	0.303	ug/l #	11
64) Tetrachloroethene	9.281	164	910	0.298	ug/l #	64
76) 1,2,3-Trichloropropane	11.079	75	68475	21.129	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	68475	66.404	ug/l #	12

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

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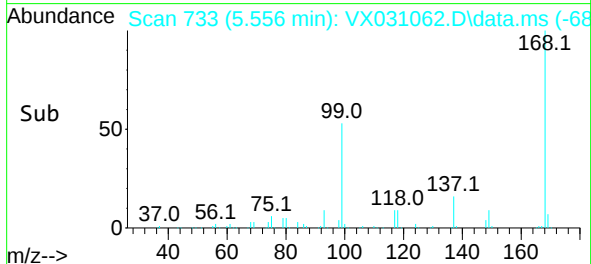
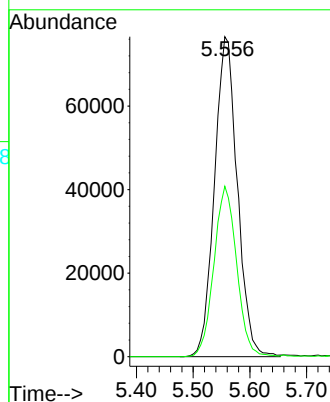
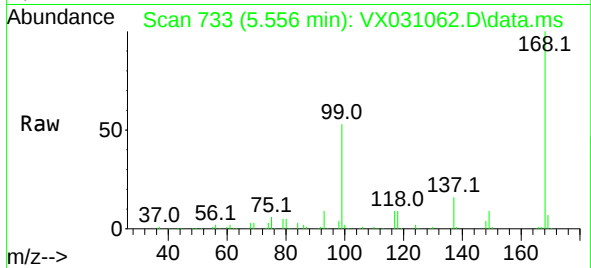




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

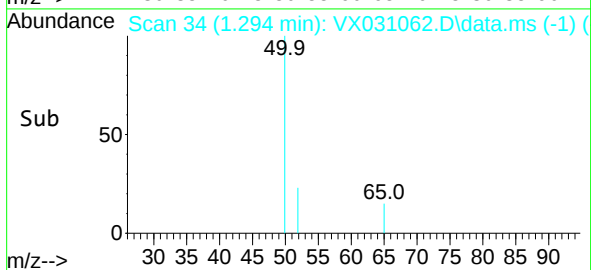
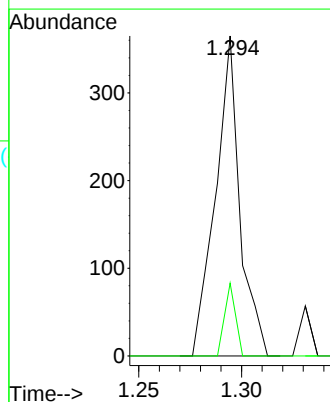
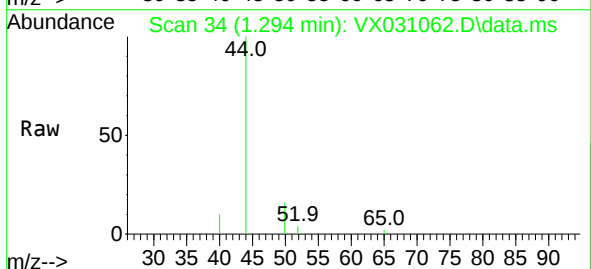
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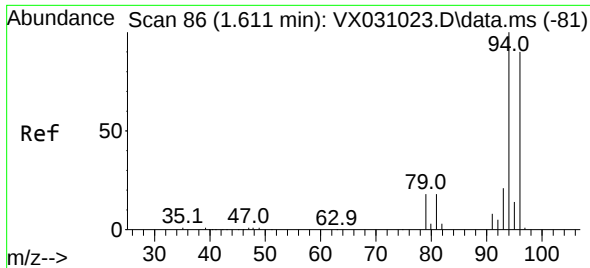
Tgt Ion:168 Resp: 214544
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#3
Chloromethane
Concen: 0.840 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Tgt Ion: 50 Resp: 299
Ion Ratio Lower Upper
50 100
52 22.7 26.3 39.5

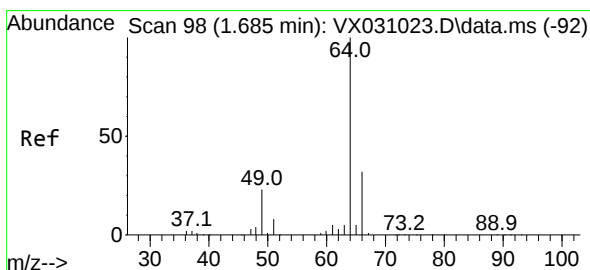
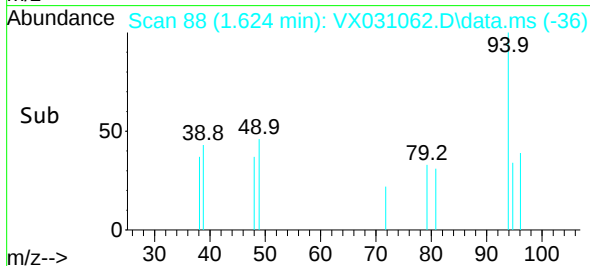
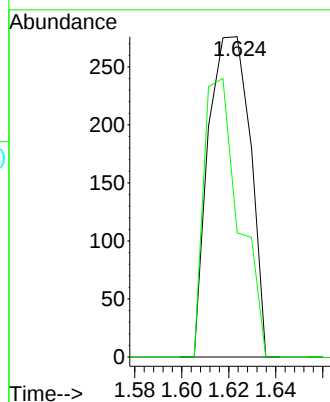
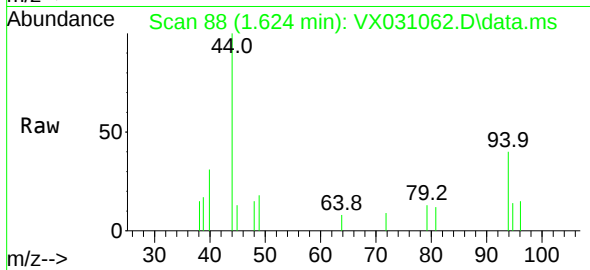




#5
Bromomethane
Concen: 0.330 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

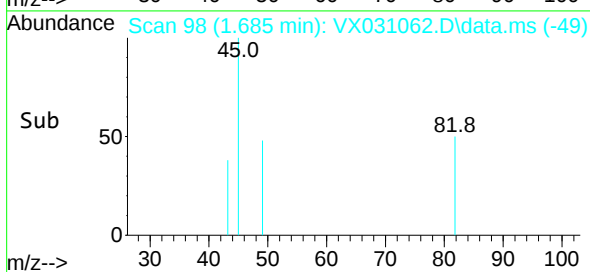
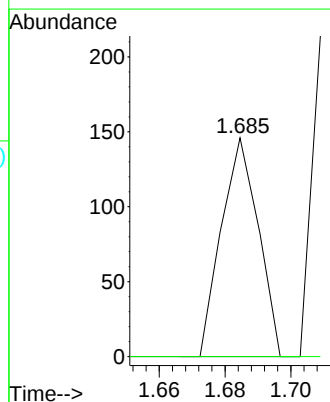
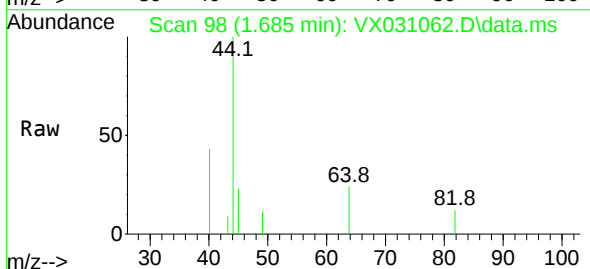
Instrument :
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ClientSampleId :
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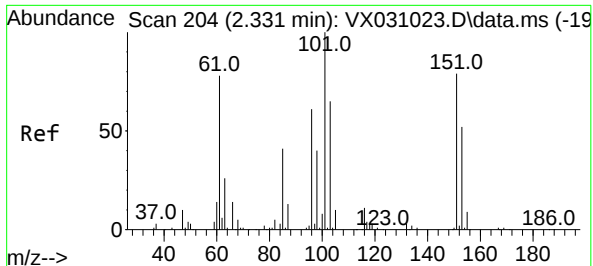
Tgt Ion: 94 Resp: 340
Ion Ratio Lower Upper
94 100
96 38.8 76.9 115.3#



#6
Chloroethane
Concen: 1.805 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Tgt Ion: 64 Resp: 114
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

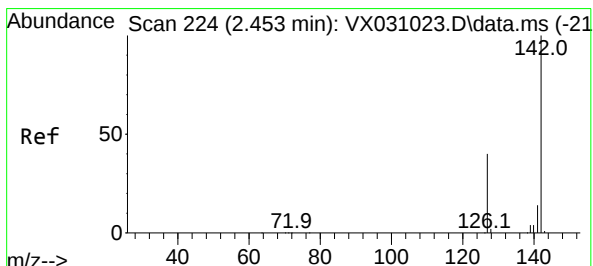
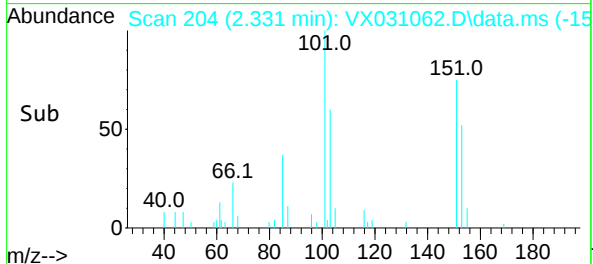
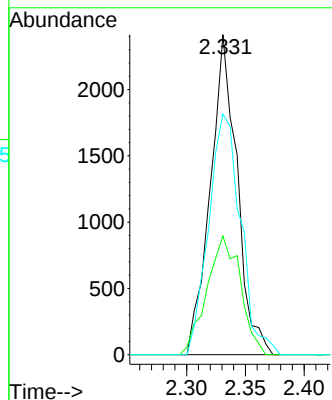
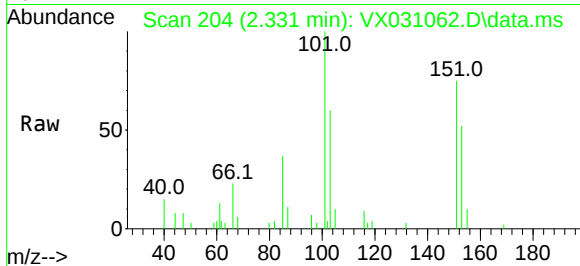




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.483 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

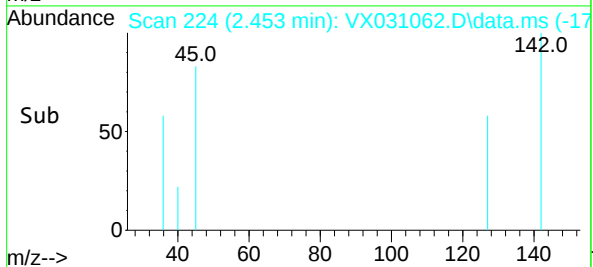
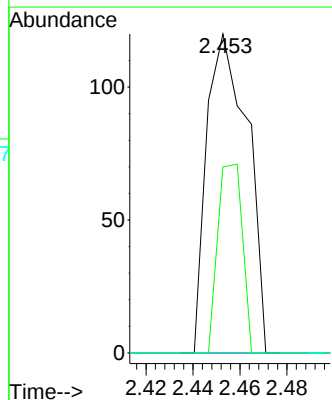
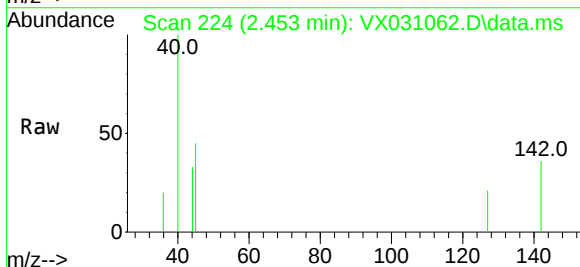
Instrument :
MSVOA_X
ClientSampleId :
MDL05

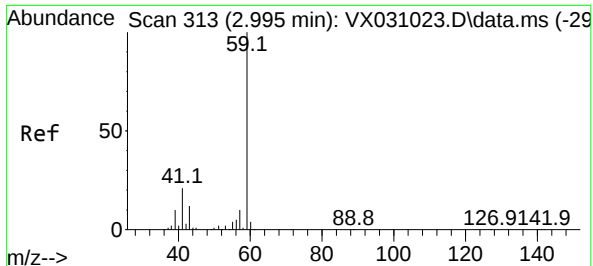
Tgt Ion:101 Resp: 3827
Ion Ratio Lower Upper
101 100
85 46.4 34.0 51.0
151 89.8 59.4 89.0#



#10
Methyl Iodide
Concen: 2.963 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Tgt Ion:142 Resp: 144
Ion Ratio Lower Upper
142 100
127 36.1 30.2 45.2
141 0.0 11.3 16.9#

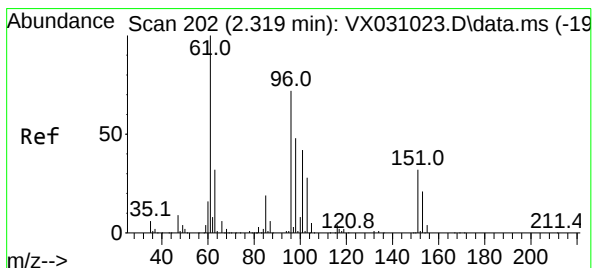
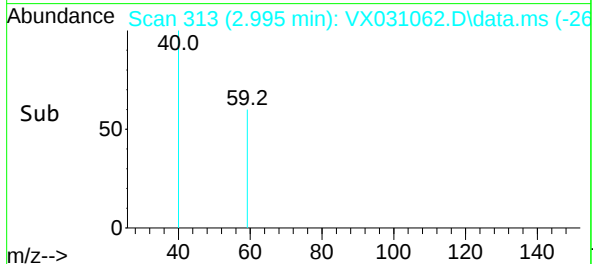
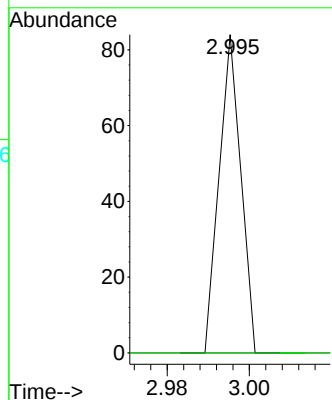
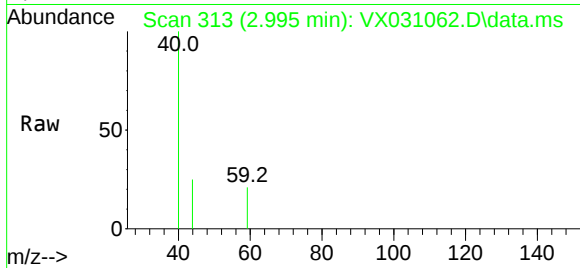




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.995 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

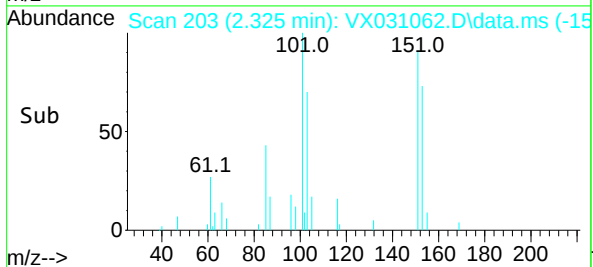
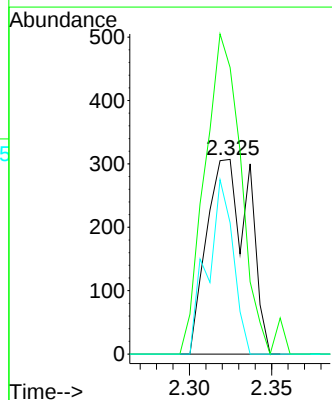
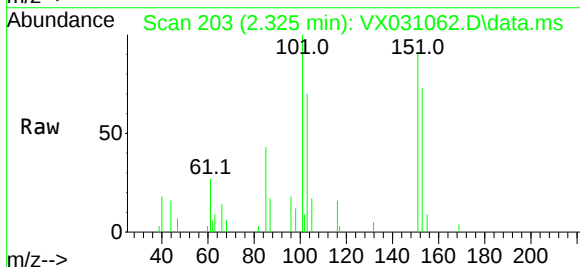
Instrument :
MSVOA_X
ClientSampleId :
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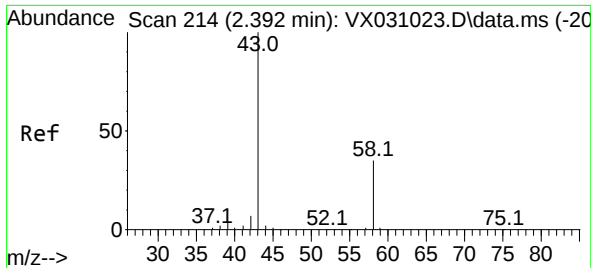
Tgt Ion: 59 Resp: 31
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 0.219 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Tgt Ion: 96 Resp: 547
Ion Ratio Lower Upper
96 100
61 147.2 117.4 176.0
98 67.4 52.2 78.4

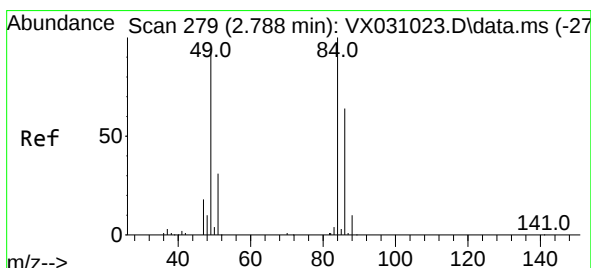
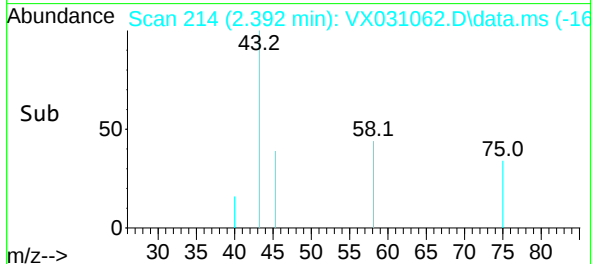
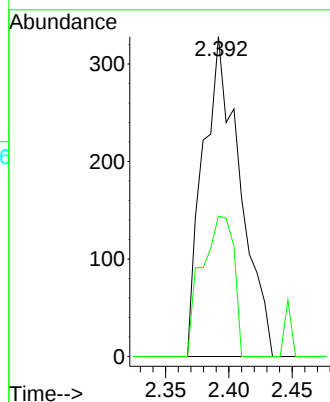
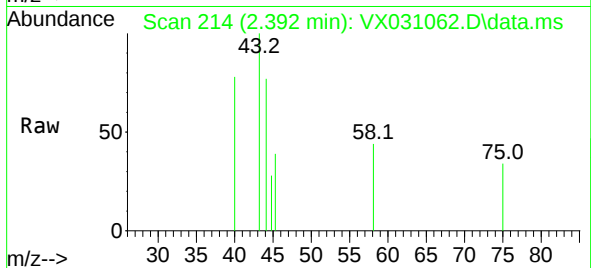




#16
Acetone
Concen: 0.626 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

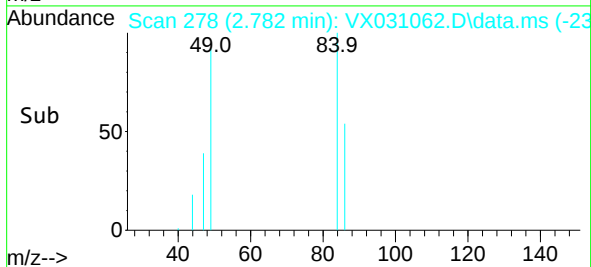
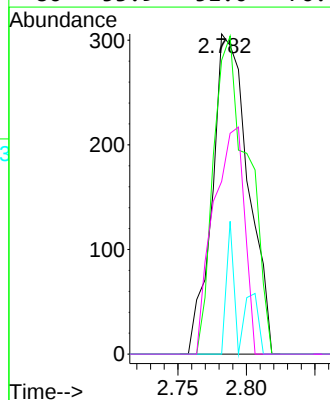
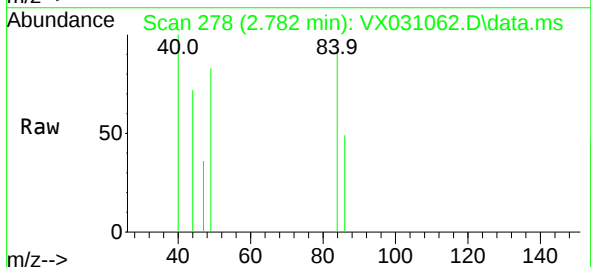
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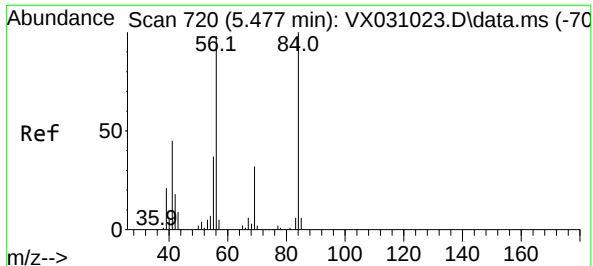
Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
58 43.9 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Tgt Ion: 84 Resp: 559
Ion Ratio Lower Upper
84 100
49 91.8 93.8 140.6#
51 0.0 29.4 44.0#
86 53.9 51.0 76.4

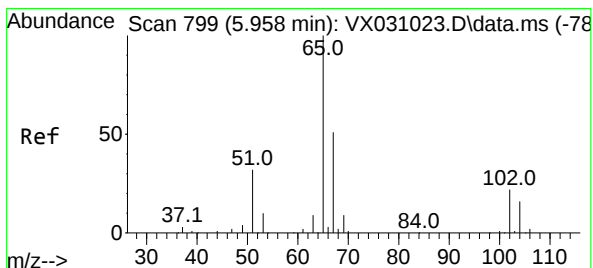
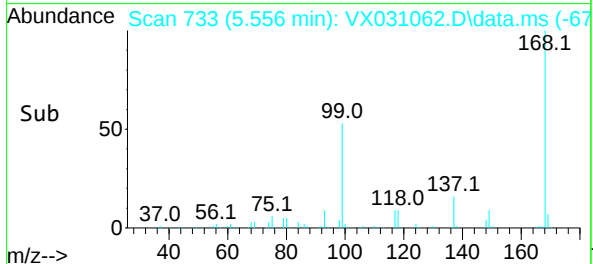
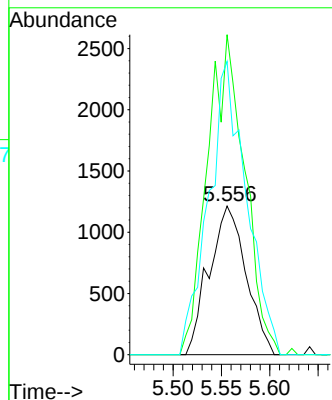
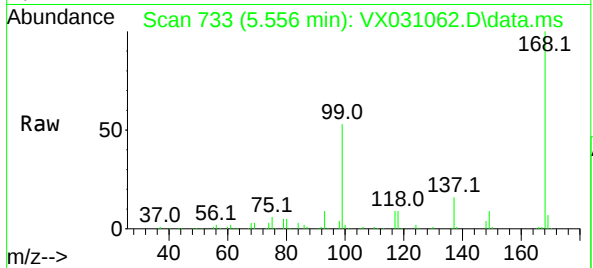




#31
Cyclohexane
Concen: 0.859 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

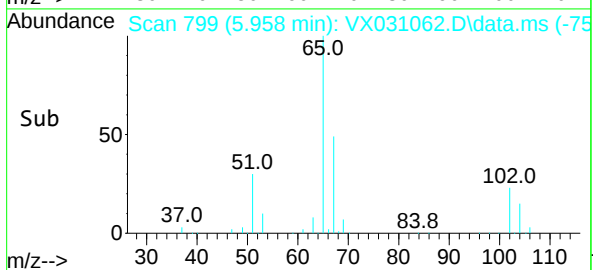
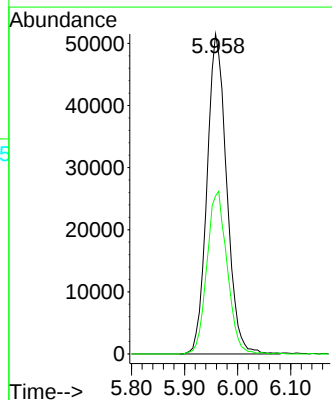
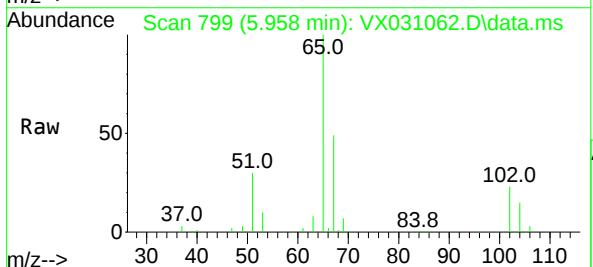
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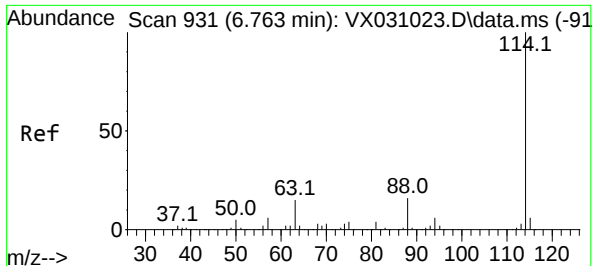
Tgt Ion: 56 Resp: 3238
Ion Ratio Lower Upper
56 100
69 215.2 25.4 38.0#
84 197.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 47.944 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Tgt Ion: 65 Resp: 132351
Ion Ratio Lower Upper
65 100
67 52.3 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: VX031062.D

Acq: 02 Sep 2022 13:18

Instrument :

MSVOA_X

ClientSampleId :

MDL05

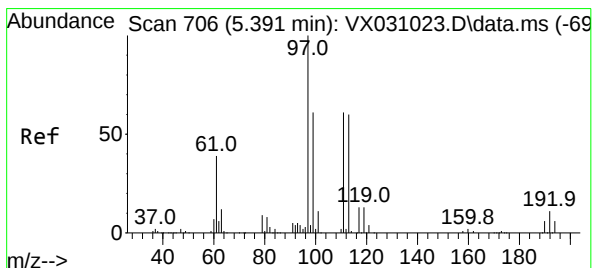
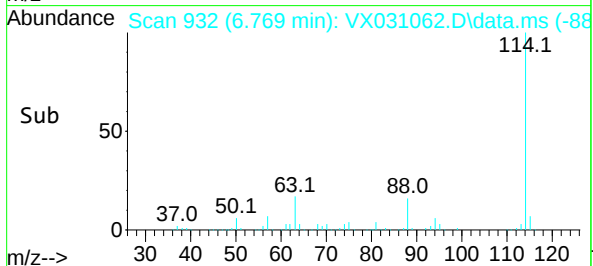
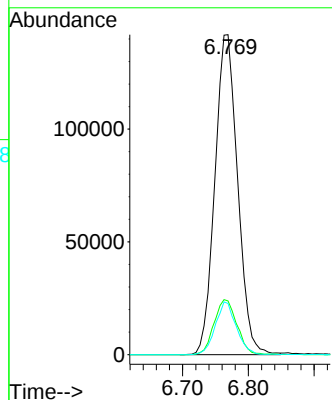
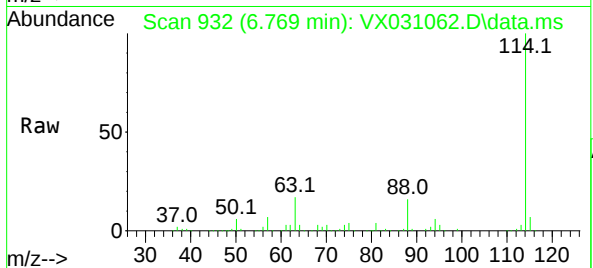
Tgt Ion:114 Resp: 341951

Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 16.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.825 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031062.D

Acq: 02 Sep 2022 13:18

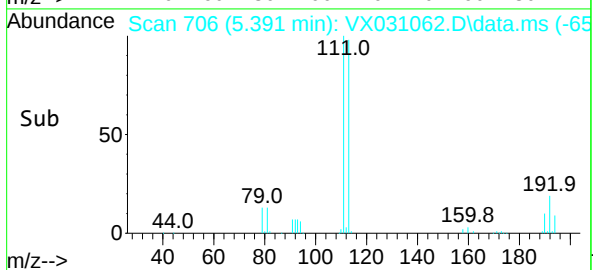
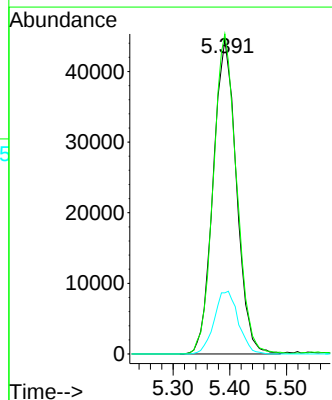
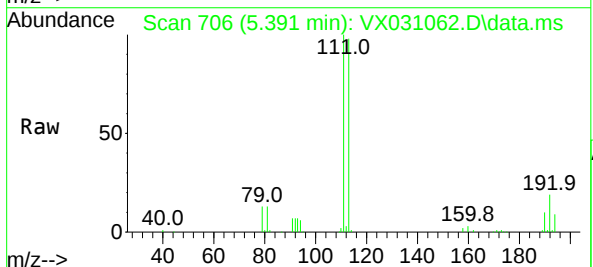
Tgt Ion:113 Resp: 126830

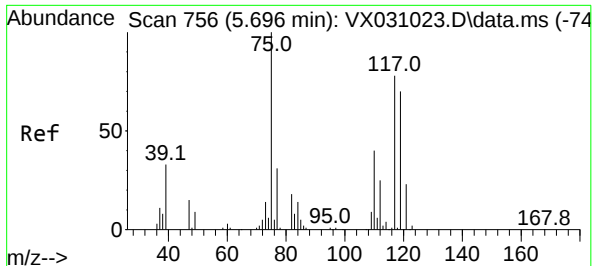
Ion Ratio Lower Upper

113 100

111 102.0 83.2 124.8

192 20.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 3.919 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031062.D

Acq: 02 Sep 2022 13:18

Instrument :

MSVOA_X

ClientSampleId :

MDL05

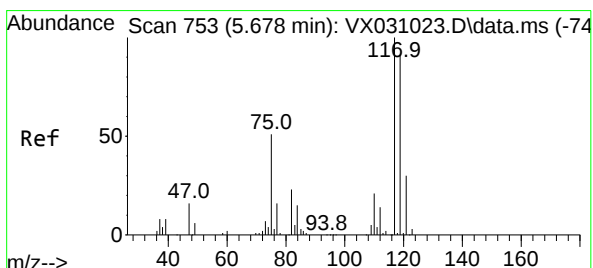
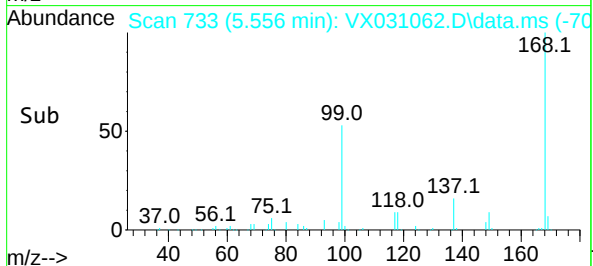
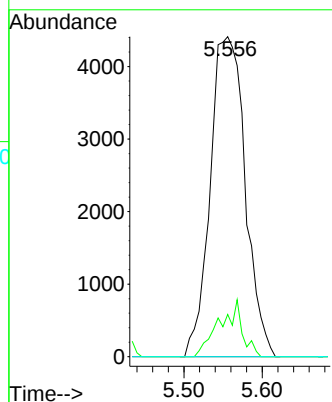
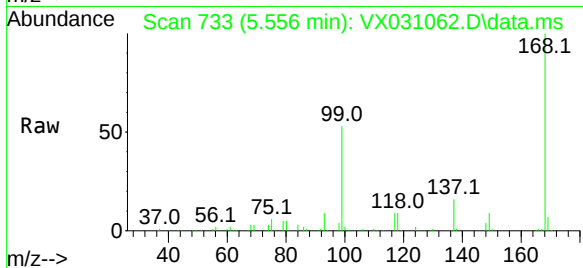
Tgt Ion: 75 Resp: 13697

Ion Ratio Lower Upper

75 100

110 11.7 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.476 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX031062.D

Acq: 02 Sep 2022 13:18

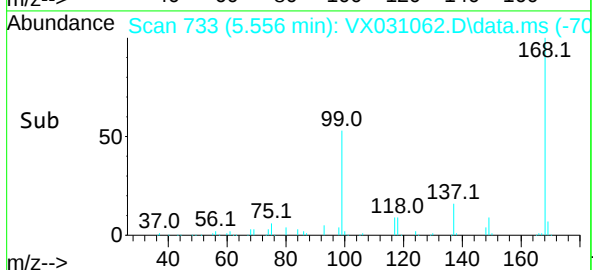
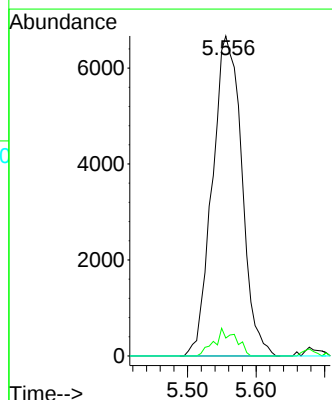
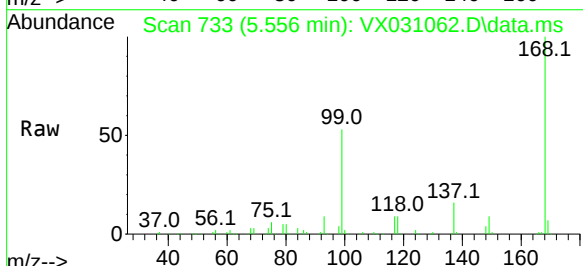
Tgt Ion: 117 Resp: 19867

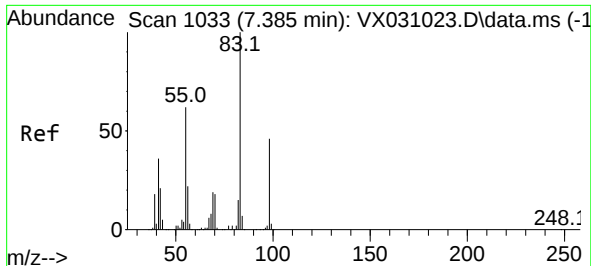
Ion Ratio Lower Upper

117 100

119 5.6 74.1 111.1#

121 0.0 25.8 38.8#

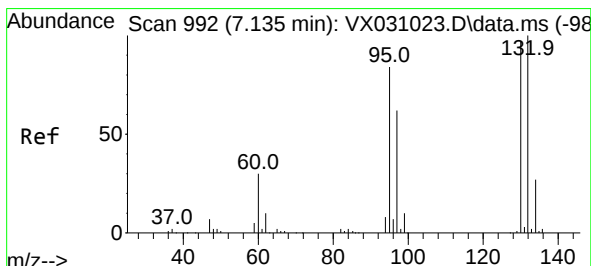
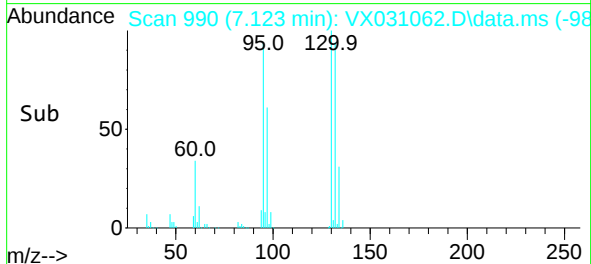
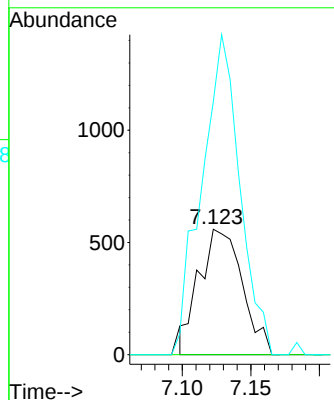
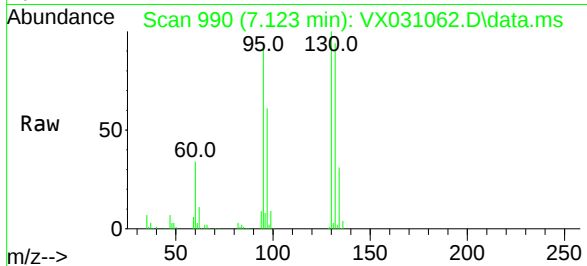




#39
Methylcyclohexane
Concen: 0.280 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.262 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

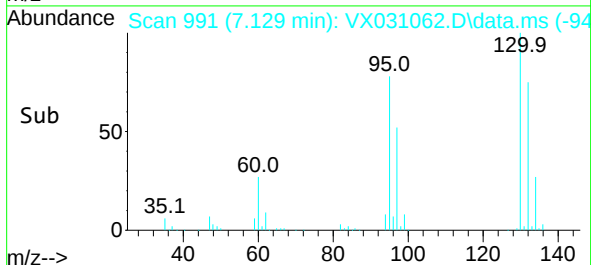
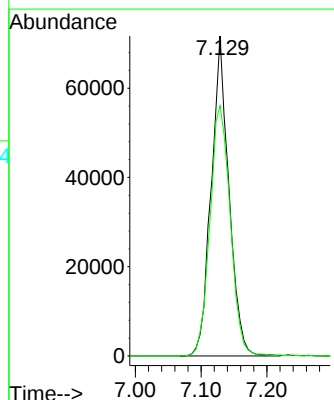
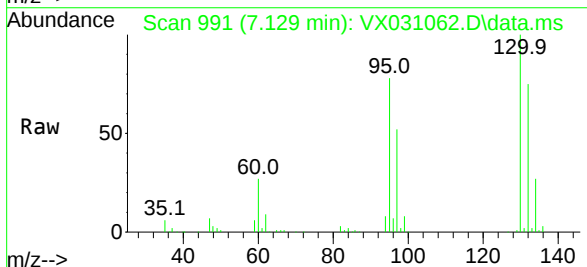
Instrument :
MSVOA_X
ClientSampleId :
MDL05

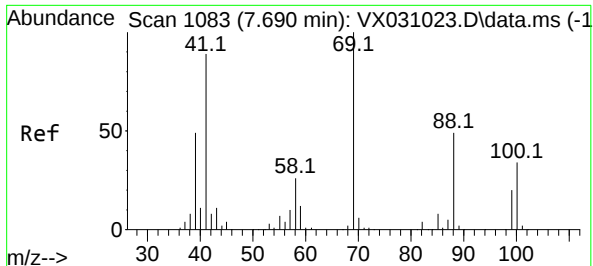
Tgt Ion: 83 Resp: 1213
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 201.8 36.5 54.7#



#44
Trichloroethene
Concen: 42.215 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Tgt Ion:130 Resp: 134089
Ion Ratio Lower Upper
130 100
95 78.2 0.0 194.8





#49

1,4-Dioxane

Concen: 1.331 ug/l

RT: 7.714 min Scan# 1083

Delta R.T. 0.037 min

Lab File: VX031062.D

Acq: 02 Sep 2022 13:18

Instrument :

MSVOA_X

ClientSampleId :

MDL05

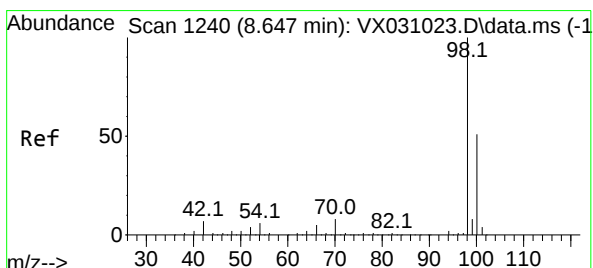
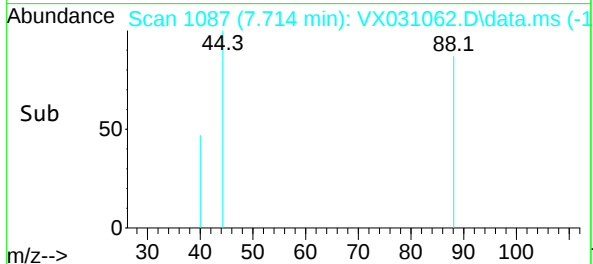
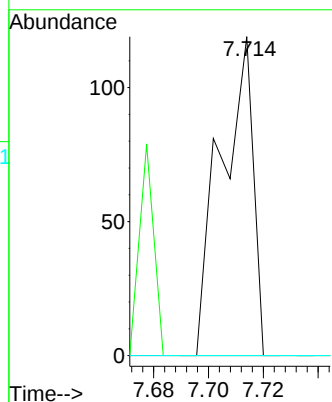
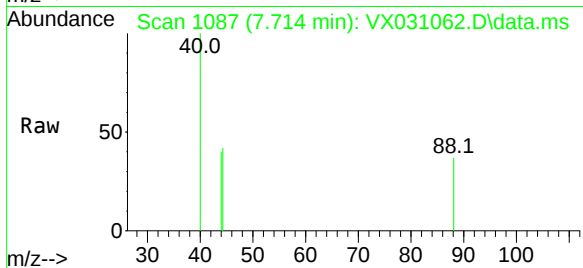
Tgt Ion: 88 Resp: 97

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 49.764 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031062.D

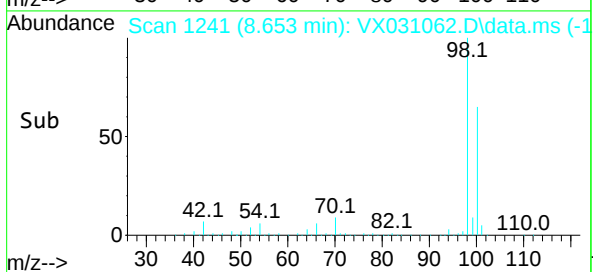
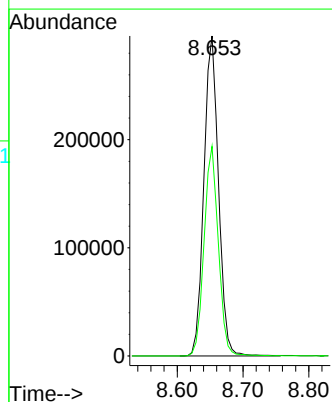
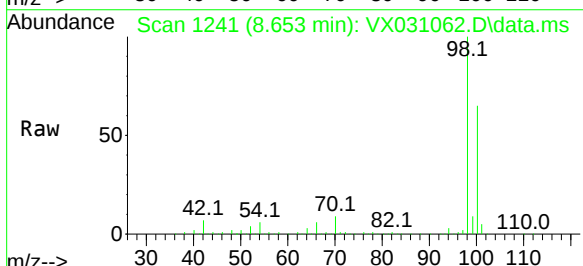
Acq: 02 Sep 2022 13:18

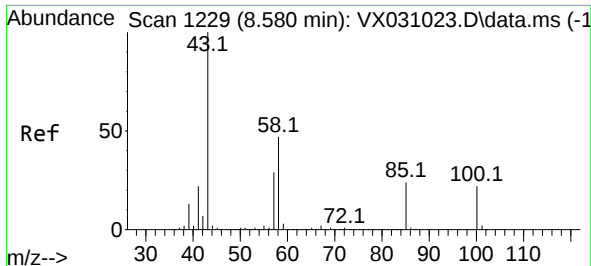
Tgt Ion: 98 Resp: 457043

Ion Ratio Lower Upper

98 100

100 63.9 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.424 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX031062.D

Acq: 02 Sep 2022 13:18

Instrument :

MSVOA_X

ClientSampleId :

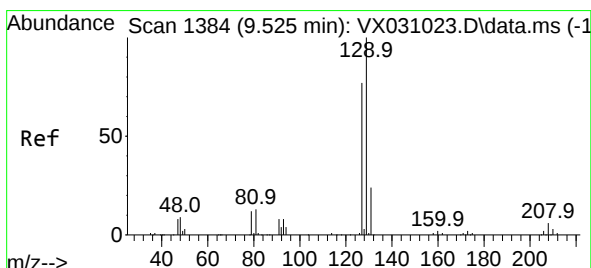
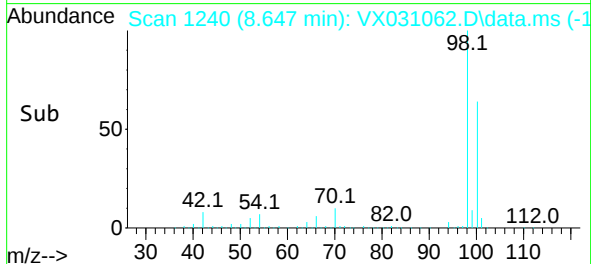
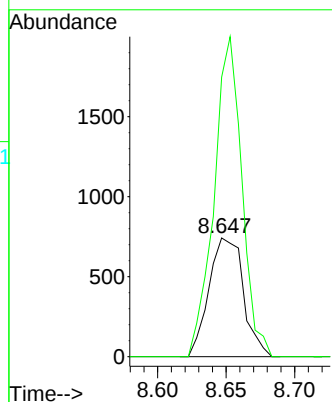
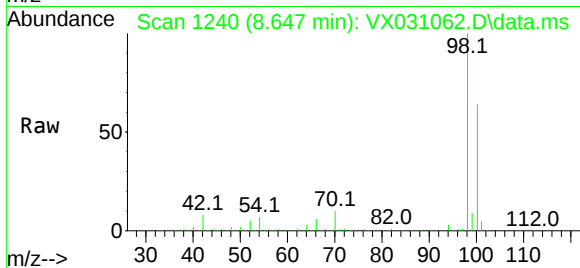
MDL05

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

58 218.3 31.4 47.2#



#60

Dibromochloromethane

Concen: 0.303 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.256 min

Lab File: VX031062.D

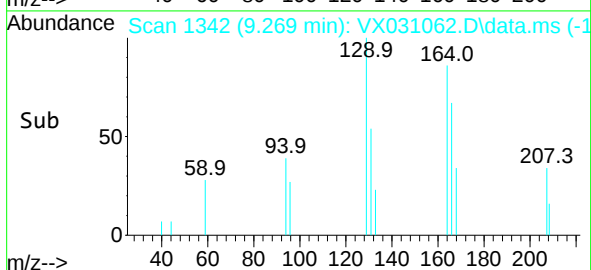
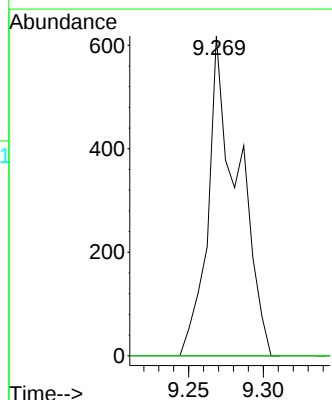
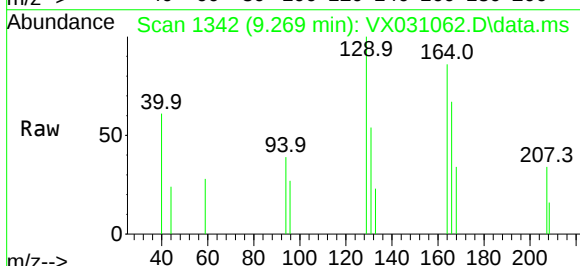
Acq: 02 Sep 2022 13:18

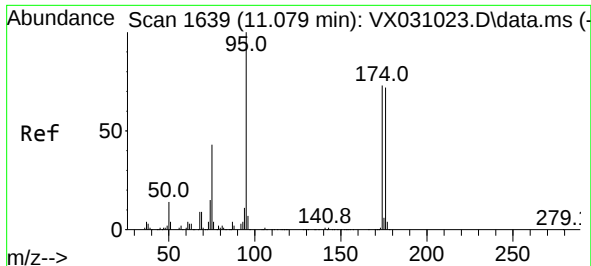
Tgt Ion: 129 Resp: 870

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 47.385 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX031062.D

Acq: 02 Sep 2022 13:18

Instrument :

MSVOA_X

ClientSampleId :

MDL05

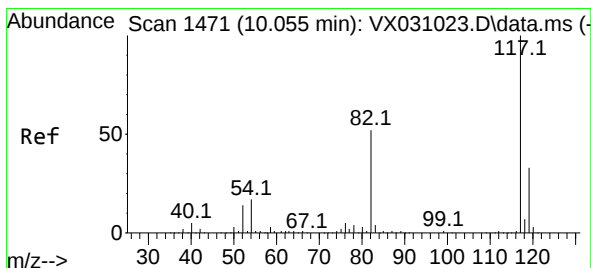
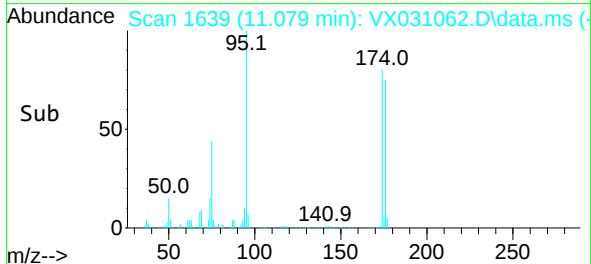
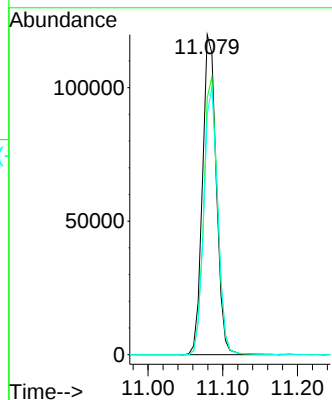
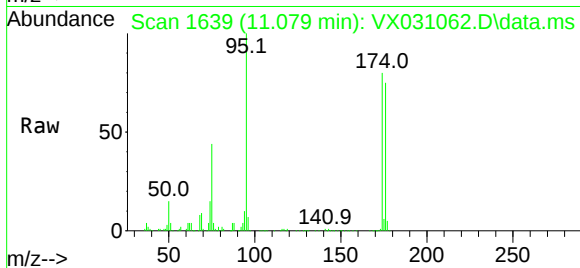
Tgt Ion: 95 Resp: 153708

Ion Ratio Lower Upper

95 100

174 87.4 0.0 149.0

176 84.2 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: VX031062.D

Acq: 02 Sep 2022 13:18

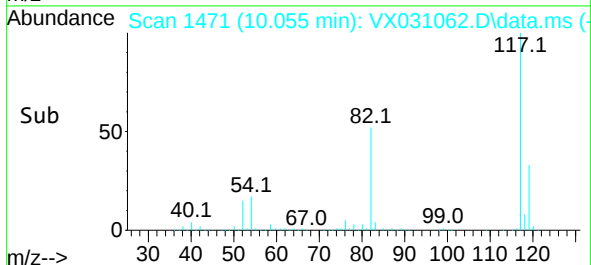
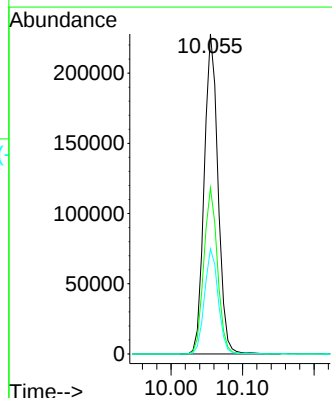
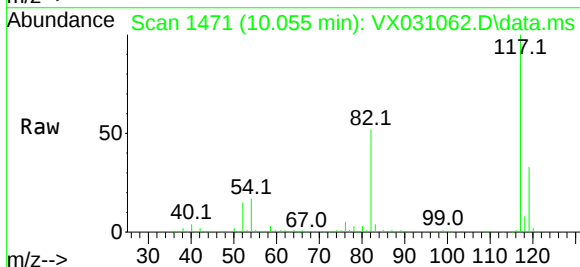
Tgt Ion: 117 Resp: 305411

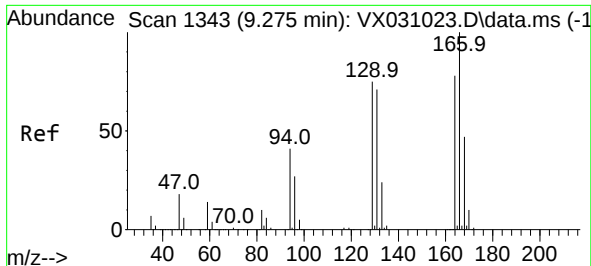
Ion Ratio Lower Upper

117 100

82 51.9 42.7 64.1

119 32.8 25.4 38.2

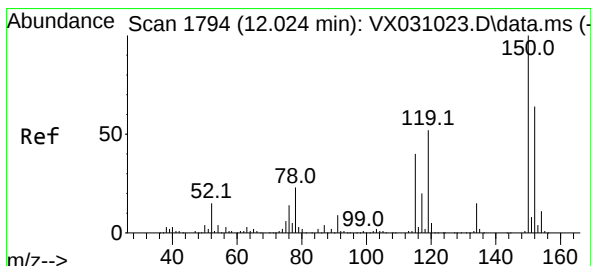
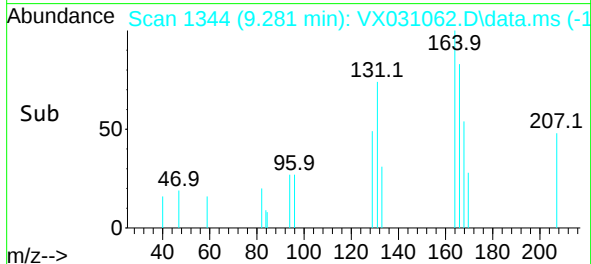
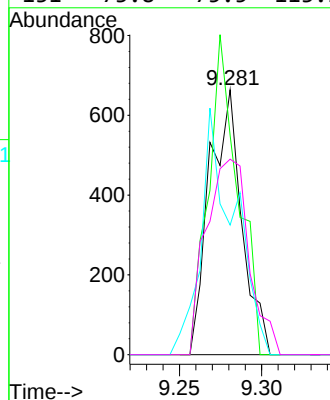
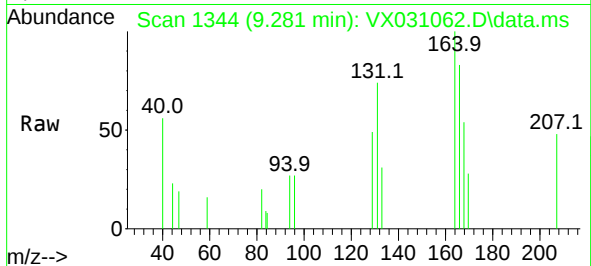




#64
Tetrachloroethene
Concen: 0.298 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

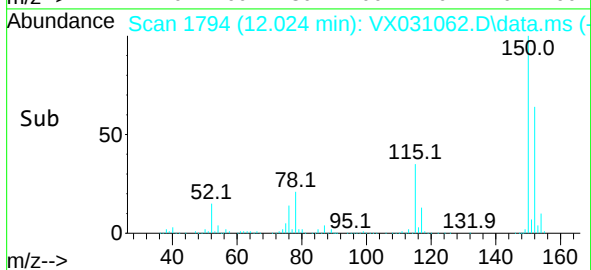
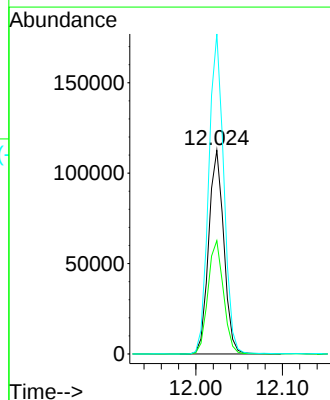
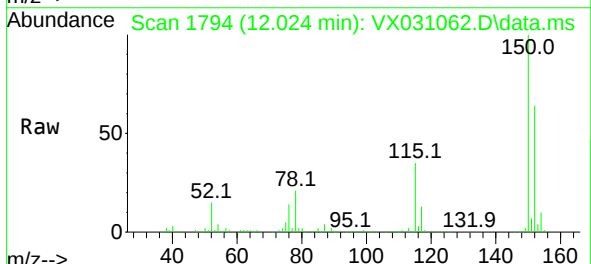
Instrument :
MSVOA_X
ClientSampleId :
MDL05

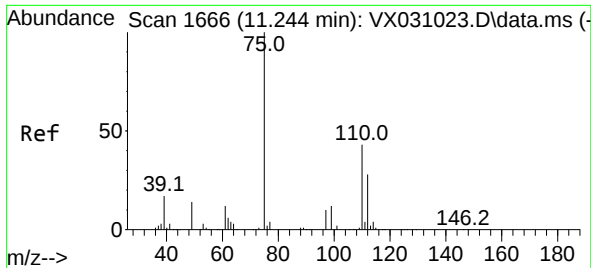
Tgt Ion:164 Resp: 910
Ion Ratio Lower Upper
164 100
166 82.8 98.2 147.4#
129 48.9 80.8 121.2#
131 73.8 75.5 113.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Tgt Ion:152 Resp: 137092
Ion Ratio Lower Upper
152 100
115 56.7 40.5 121.5
150 156.2 0.0 347.0

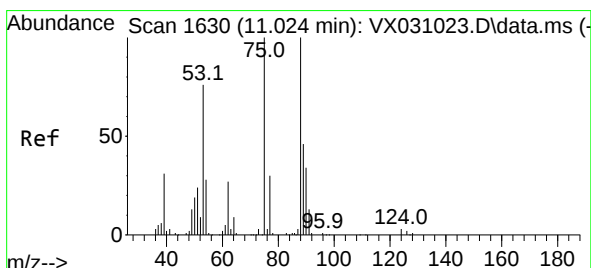
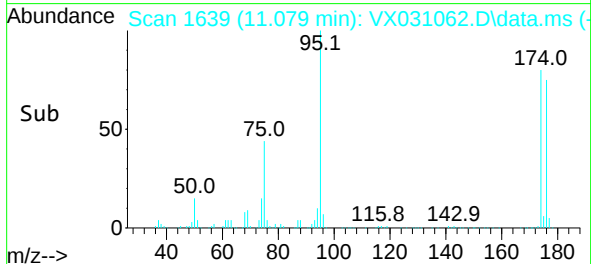
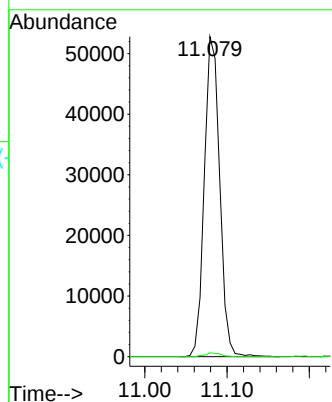
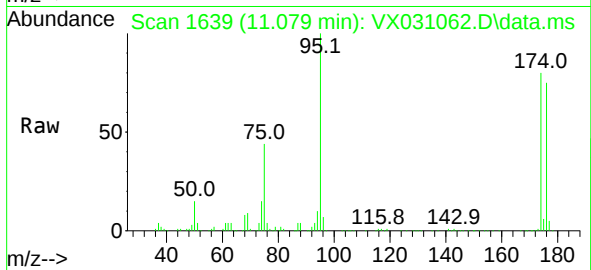




#76
1,2,3-Trichloropropane
Concen: 21.129 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tgt Ion: 75 Resp: 68475
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.404 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031062.D
Acq: 02 Sep 2022 13:18

Tgt Ion: 75 Resp: 68475
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

