

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031041.D
 Acq On : 01 Sep 2022 23:39
 Operator : JC/MD
 Sample : N4297-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20220821

Quant Time: Sep 02 02:57:24 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)

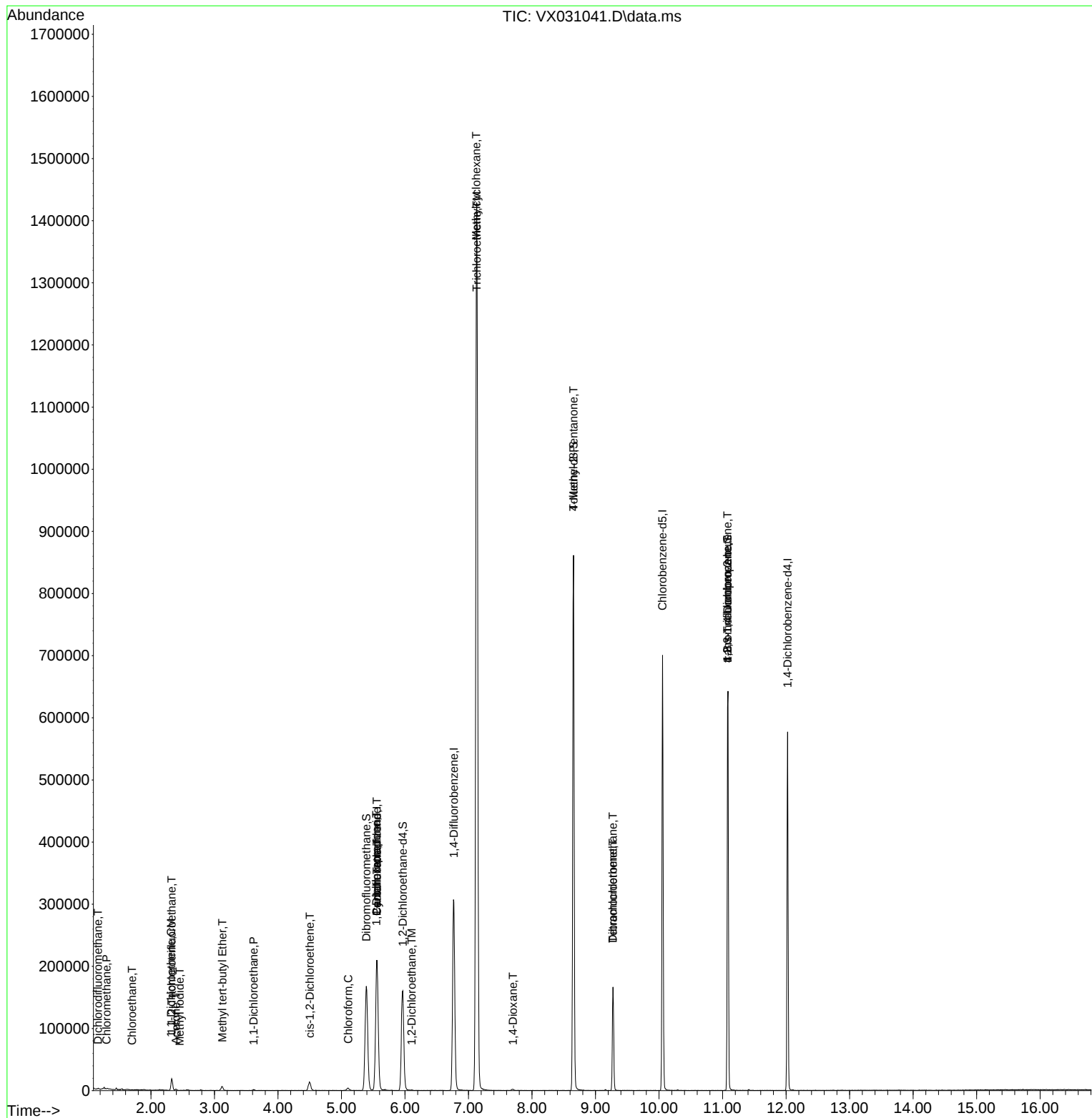
Internal Standards						
1) Pentafluorobenzene	5.556	168	215853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	344113	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	330523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	156883	56.486	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.980%	
35) Dibromofluoromethane	5.391	113	152736	60.821	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 121.640%	
50) Toluene-d8	8.653	98	545094	58.979	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 117.960%#	
62) 4-Bromofluorobenzene	11.079	95	184186	56.424	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.840%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	597	0.269	ug/l	85
3) Chloromethane	1.301	50	198	0.792	ug/l #	42
6) Chloroethane	1.703	64	124	1.811	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.325	101	6076	2.340	ug/l	91
10) Methyl Iodide	2.453	142	161	2.969	ug/l #	45
11) Tert butyl alcohol	3.014	59	50	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	1927	0.768	ug/l	90
16) Acetone	2.392	43	829	0.773	ug/l #	84
19) Methyl tert-butyl Ether	3.123	73	7136	0.924	ug/l	93
20) Methylene Chloride	2.794	84	449	Below Cal	#	54
24) 1,1-Dichloroethane	3.617	63	1614	0.357	ug/l #	84
27) cis-1,2-Dichloroethene	4.501	96	9294	2.972	ug/l	88
30) Chloroform	5.105	83	4773	0.963	ug/l #	80
31) Cyclohexane	5.556	56	3233	0.852	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14410	4.097	ug/l #	45
38) Carbon Tetrachloride	5.556	117	19572	5.360	ug/l #	17
39) Methylcyclohexane	7.123	83	6208	1.424	ug/l #	1
42) 1,2-Dichloroethane	6.105	62	772	0.232	ug/l #	73
44) Trichloroethene	7.129	130	608096	190.241	ug/l	99
49) 1,4-Dioxane	7.702	88	2094	28.550	ug/l #	90
51) 4-Methyl-2-Pentanone	8.653	43	1780	0.580	ug/l #	1
60) Dibromochloromethane	9.275	129	33069	11.438	ug/l #	11
64) Tetrachloroethene	9.275	164	34640	10.497	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	81229	26.977	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	81229	84.781	ug/l #	13

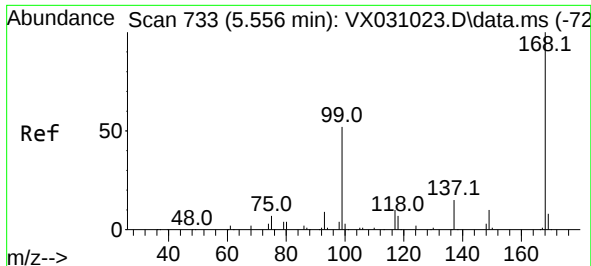
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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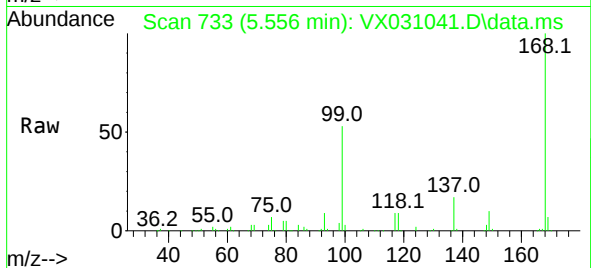
Quant Time: Sep 02 02:57:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
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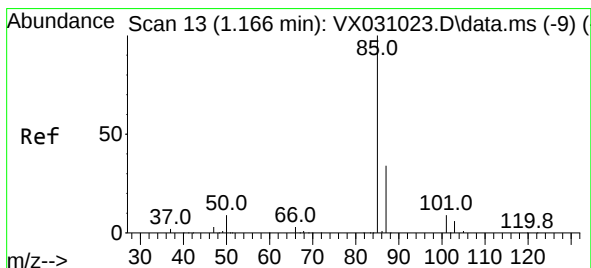
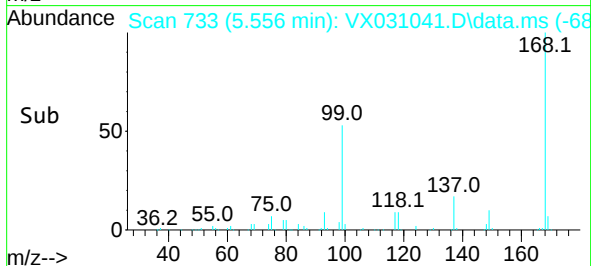
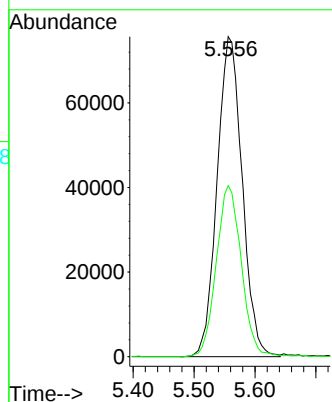


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

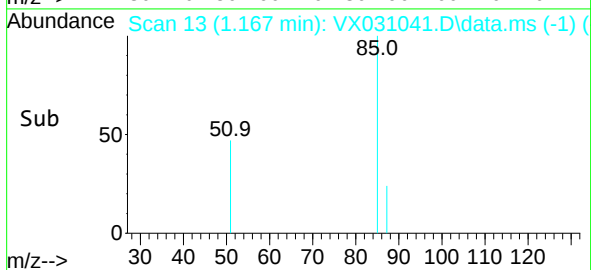
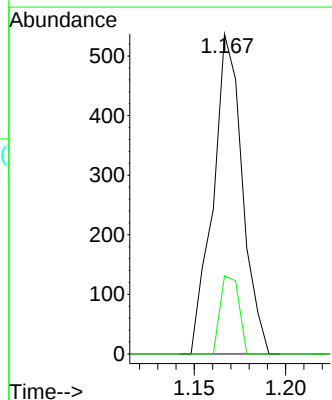
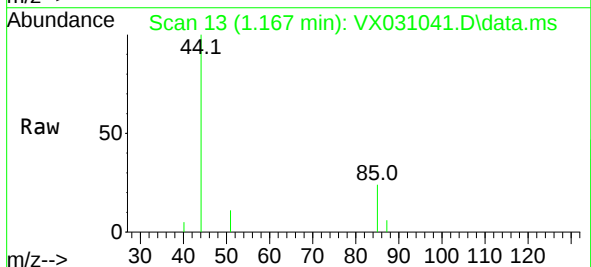


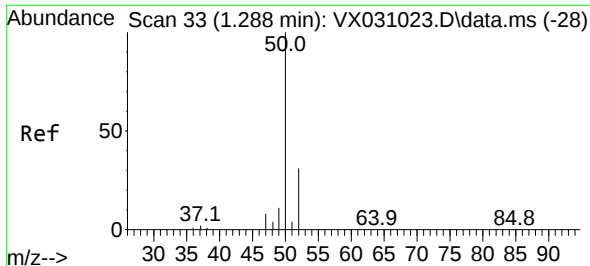
Tgt Ion:168 Resp: 215853
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.269 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 85 Resp: 597
Ion Ratio Lower Upper
85 100
87 24.4 16.5 49.5

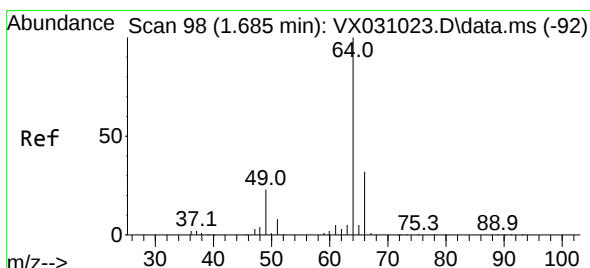
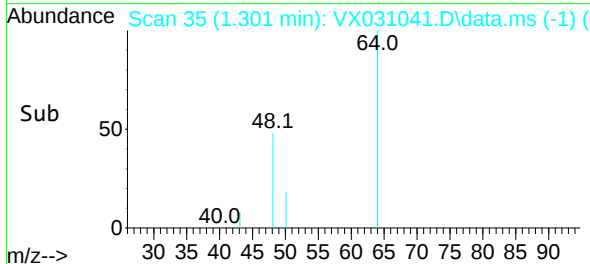
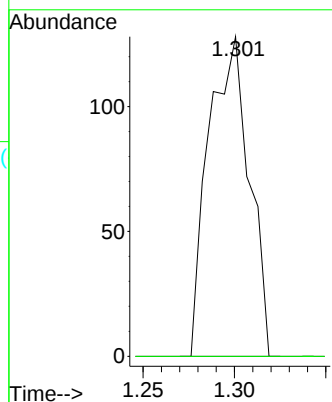
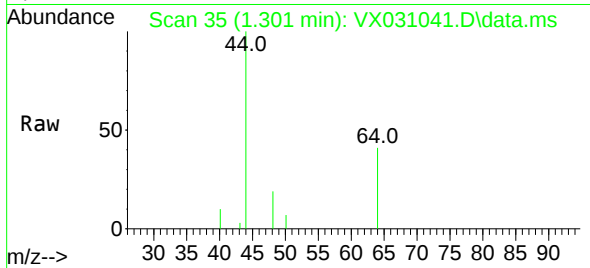




#3
Chloromethane
Concen: 0.792 ug/l
RT: 1.301 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

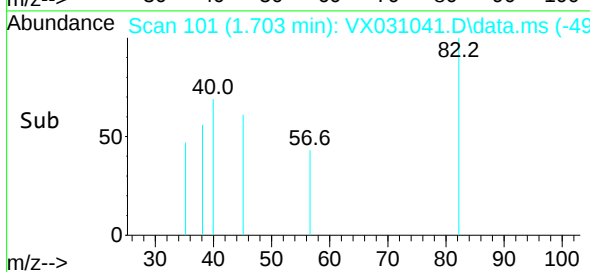
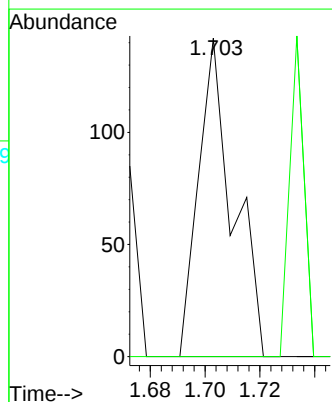
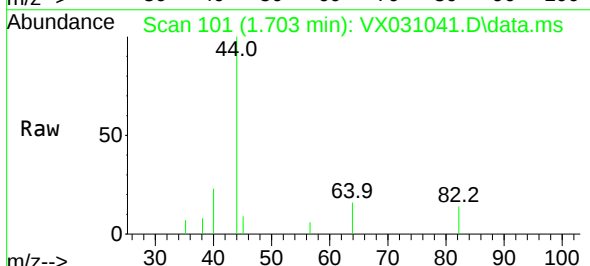
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

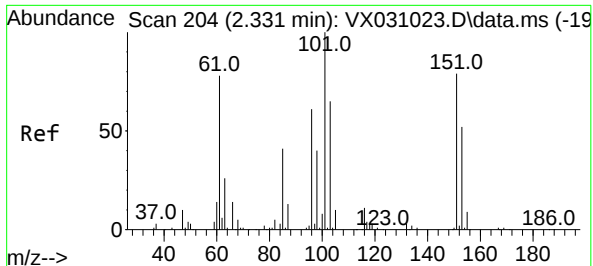
Tgt Ion: 50 Resp: 198
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#6
Chloroethane
Concen: 1.811 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 64 Resp: 124
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

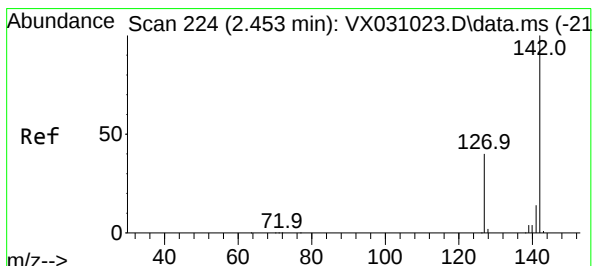
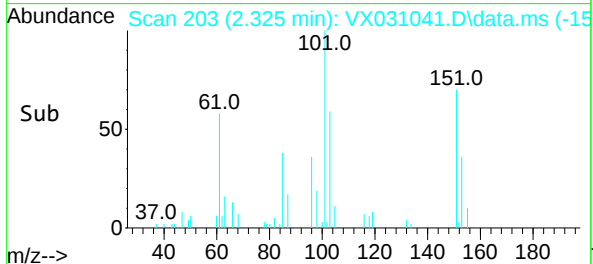
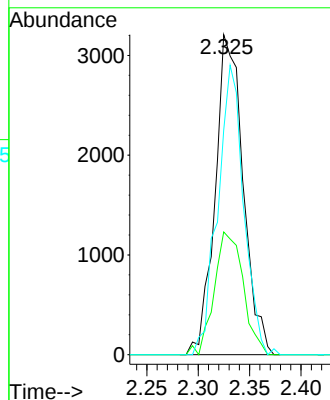
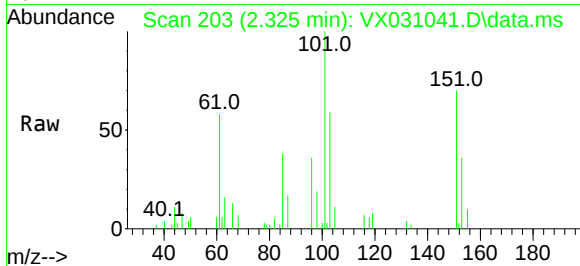




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.340 ug/l
RT: 2.325 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

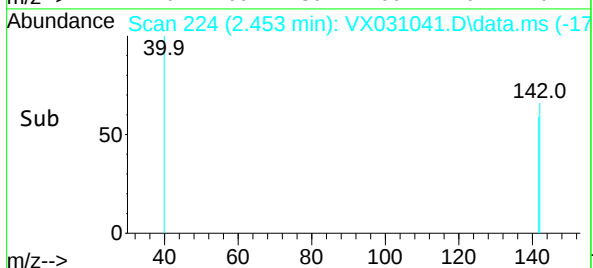
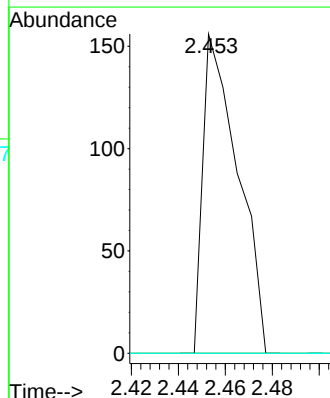
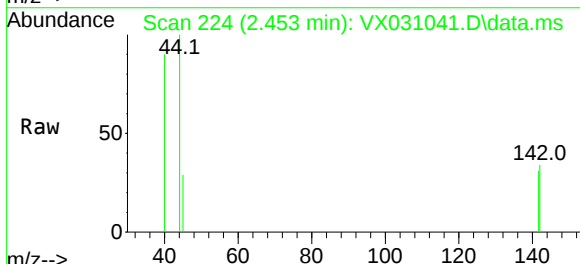
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

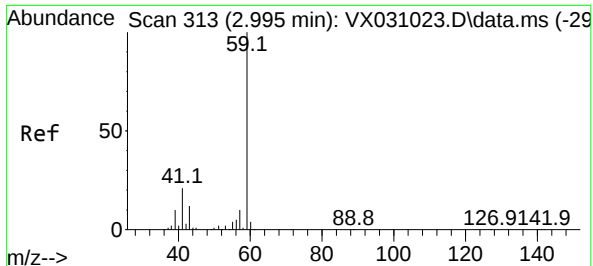
Tgt Ion:101 Resp: 6076
Ion Ratio Lower Upper
101 100
85 39.5 34.0 51.0
151 83.9 59.4 89.0



#10
Methyl Iodide
Concen: 2.969 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion:142 Resp: 161
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: 3.014 min Scan# 31

Delta R.T. 0.025 min

Lab File: VX031041.D

Acq: 01 Sep 2022 23:39

Instrument :

MSVOA_X

ClientSampleId :

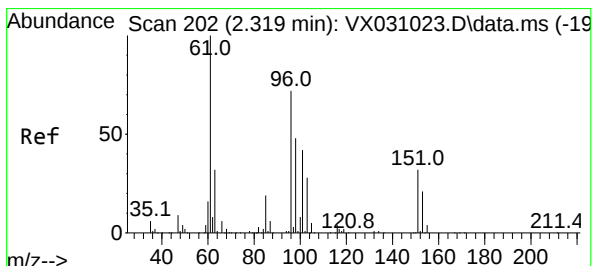
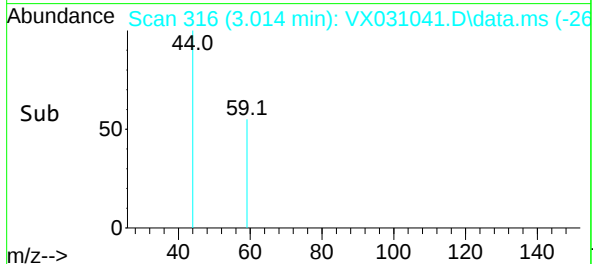
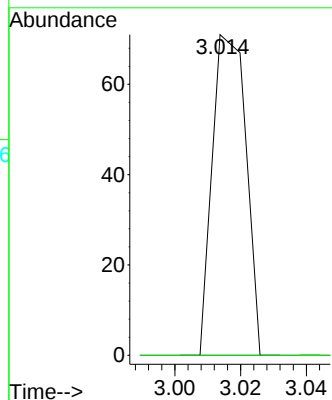
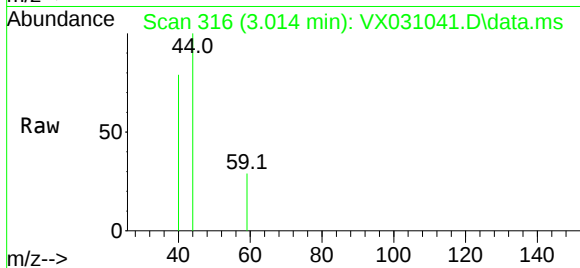
RE131D1-20220821

Tgt Ion: 59 Resp: 50

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.768 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX031041.D

Acq: 01 Sep 2022 23:39

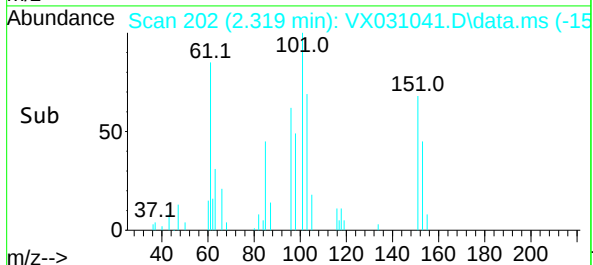
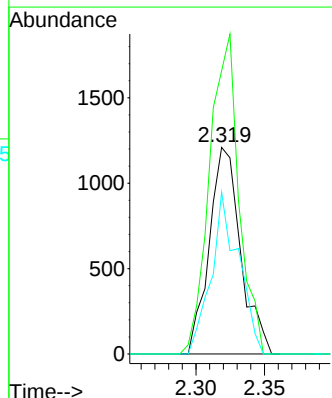
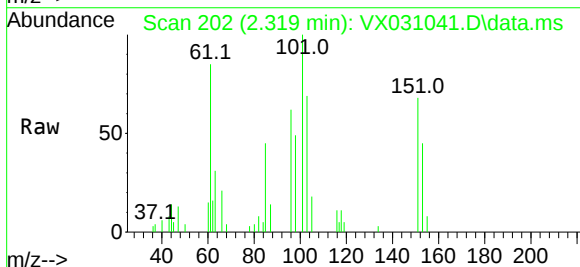
Tgt Ion: 96 Resp: 1927

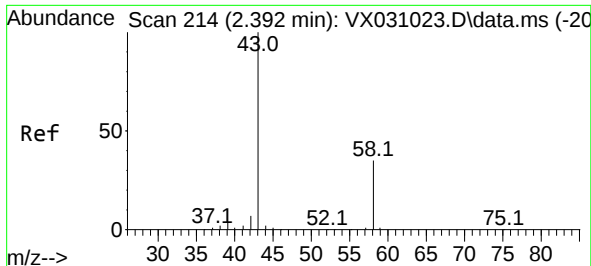
Ion Ratio Lower Upper

96 100

61 137.1 117.4 176.0

98 78.3 52.2 78.4

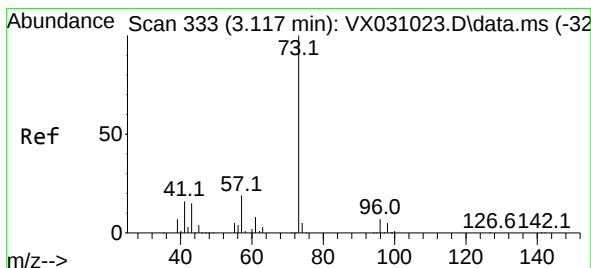
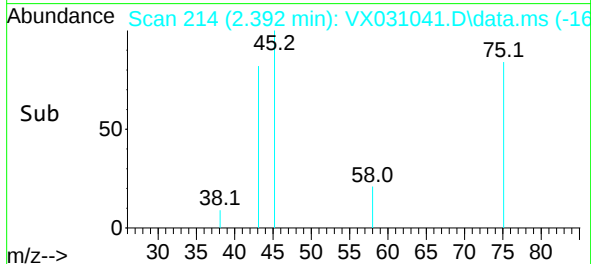
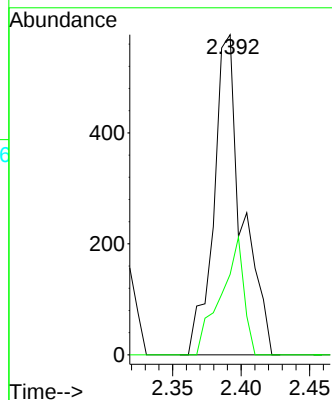
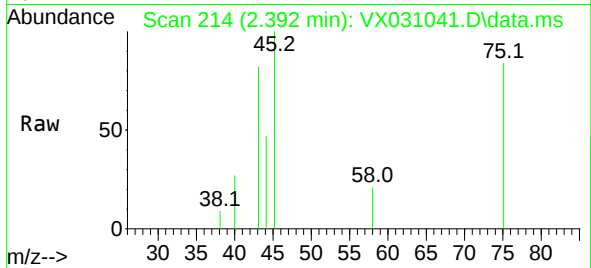




#16
Acetone
Concen: 0.773 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

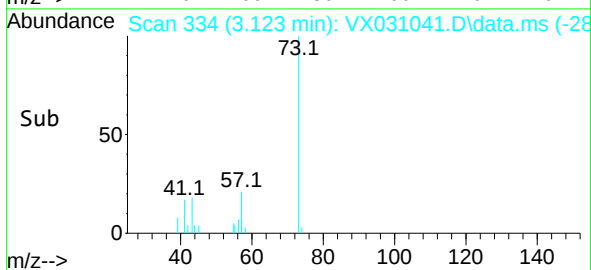
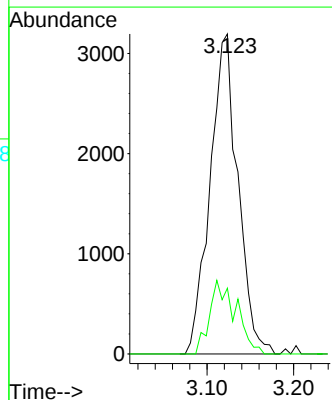
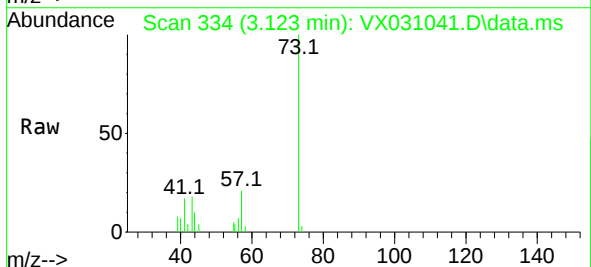
Instrument :
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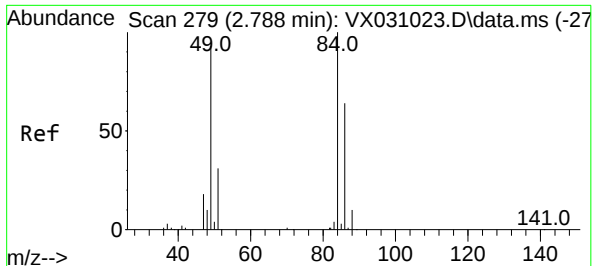
Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
58 25.1 27.7 41.5#



#19
Methyl tert-butyl Ether
Concen: 0.924 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 73 Resp: 7136
Ion Ratio Lower Upper
73 100
57 20.6 19.0 28.6





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031041.D

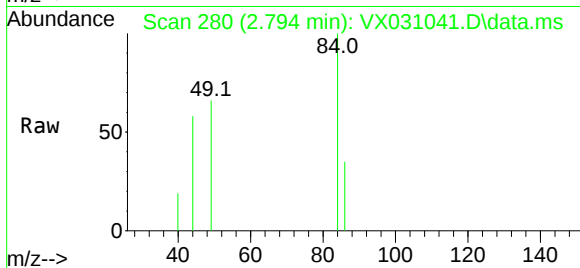
Acq: 01 Sep 2022 23:39

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20220821



Tgt Ion: 84 Resp: 449

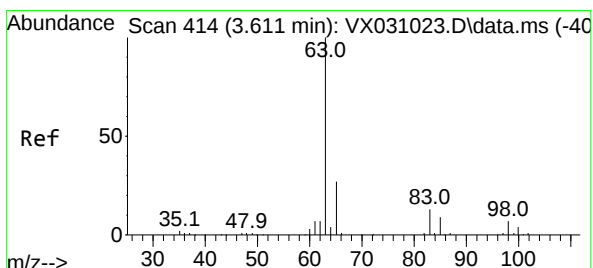
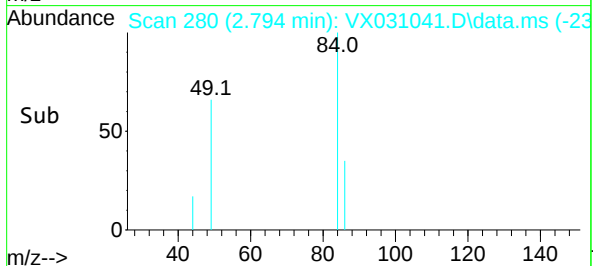
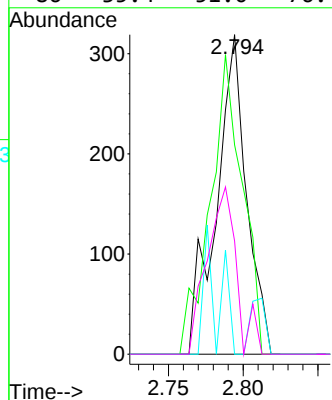
Ion Ratio Lower Upper

84 100

49 65.5 93.8 140.6#

51 0.0 29.4 44.0#

86 35.4 51.0 76.4#



#24

1,1-Dichloroethane

Concen: 0.357 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX031041.D

Acq: 01 Sep 2022 23:39

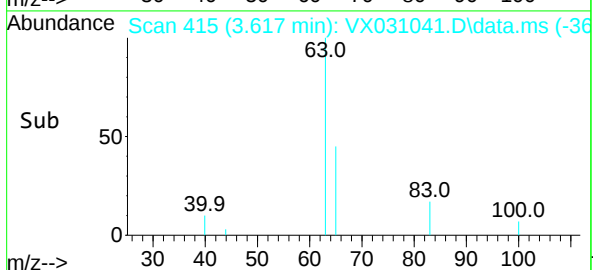
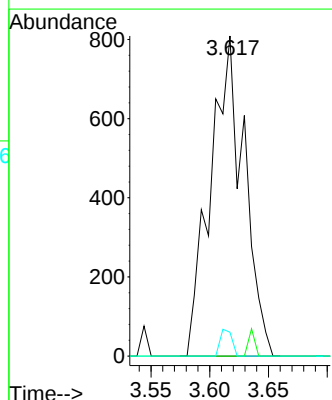
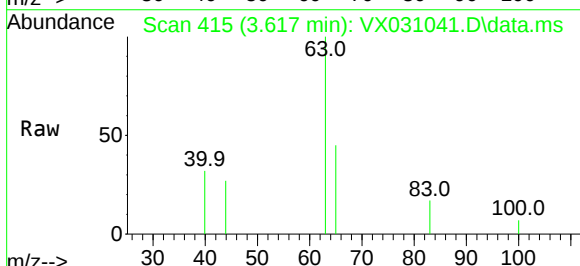
Tgt Ion: 63 Resp: 1614

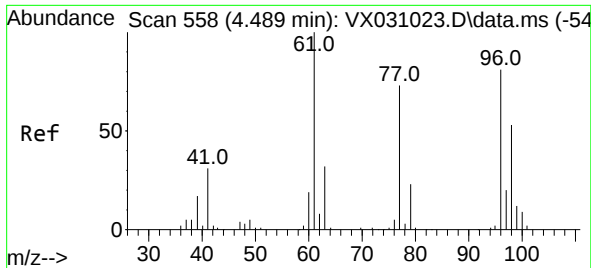
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 7.4 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 2.972 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX031041.D

Acq: 01 Sep 2022 23:39

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20220821

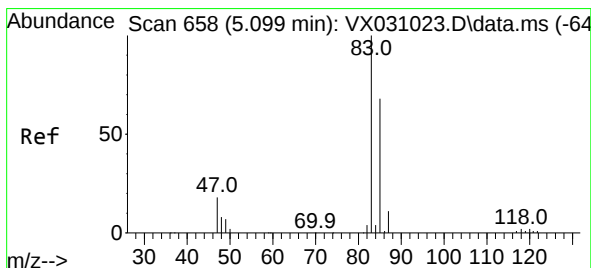
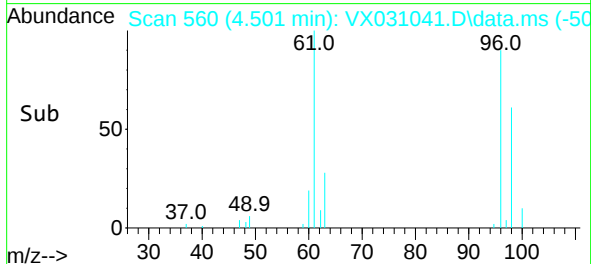
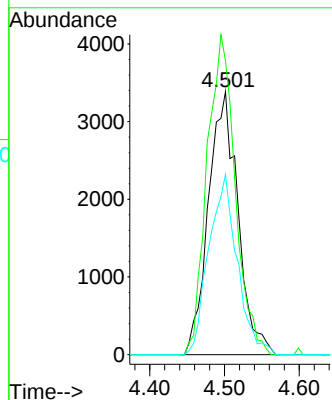
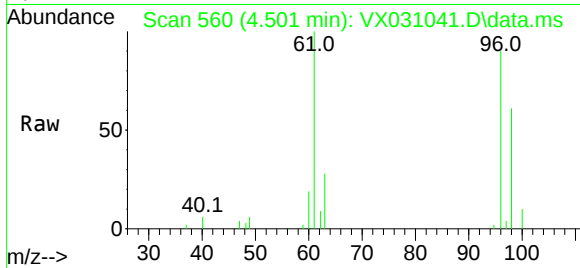
Tgt Ion: 96 Resp: 9294

Ion Ratio Lower Upper

96 100

61 116.2 0.0 270.0

98 65.9 0.0 127.8



#30

Chloroform

Concen: 0.963 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX031041.D

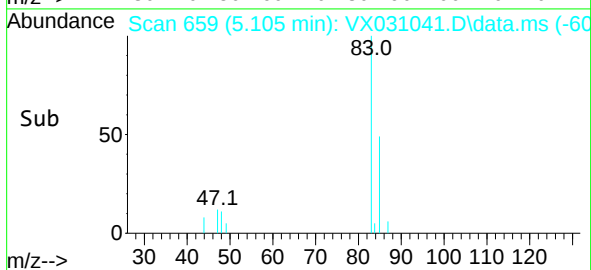
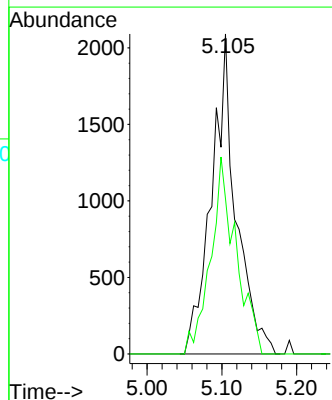
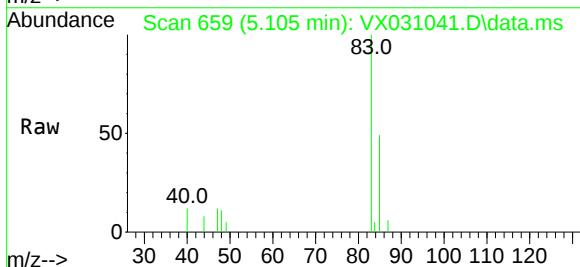
Acq: 01 Sep 2022 23:39

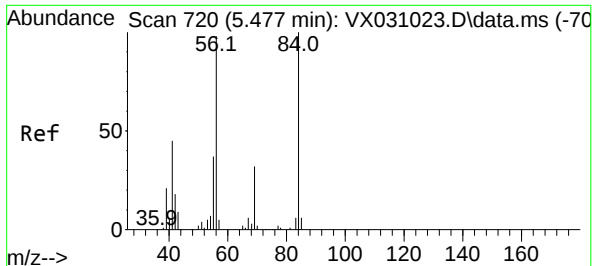
Tgt Ion: 83 Resp: 4773

Ion Ratio Lower Upper

83 100

85 48.5 51.5 77.3#

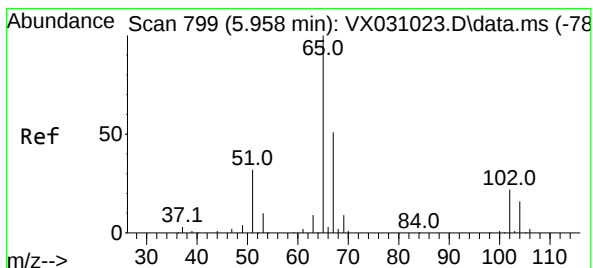
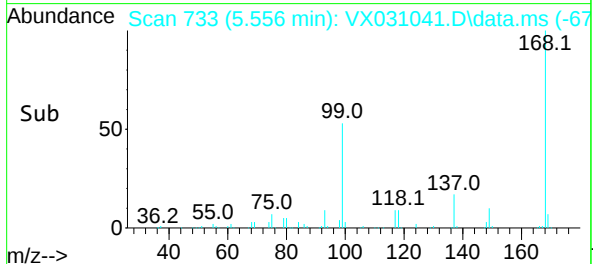
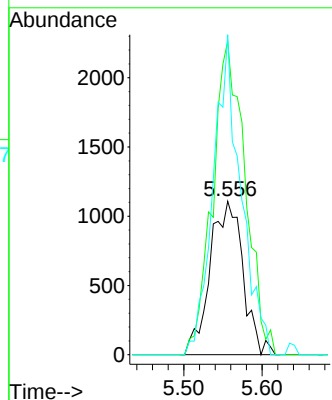
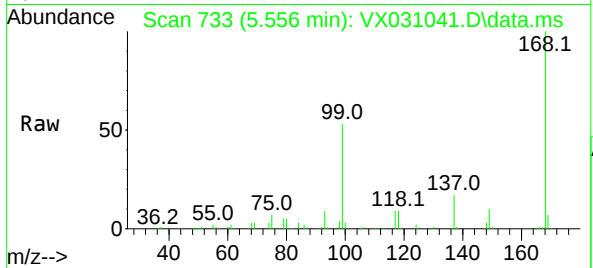




#31
Cyclohexane
Concen: 0.852 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

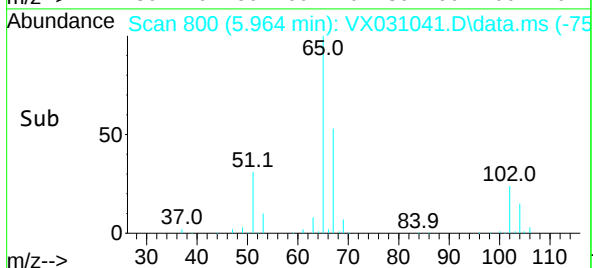
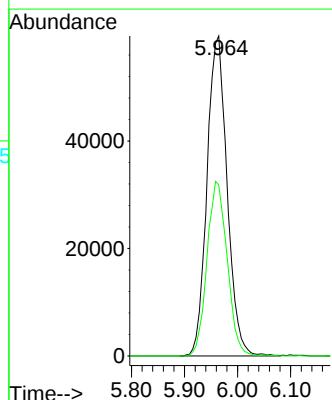
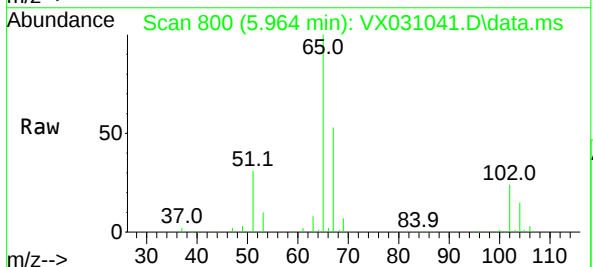
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

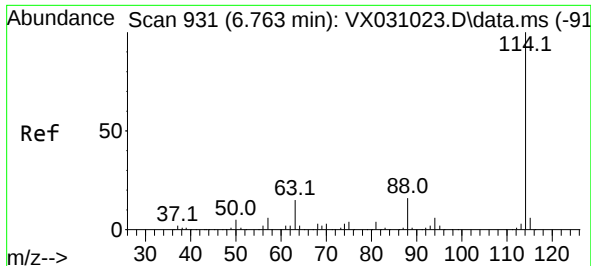
Tgt Ion: 56 Resp: 3233
Ion Ratio Lower Upper
56 100
69 204.5 25.4 38.0#
84 208.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 56.486 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 65 Resp: 156883
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.6

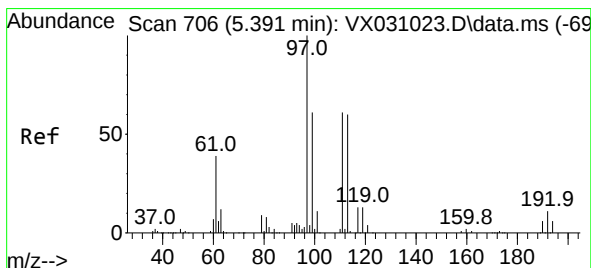
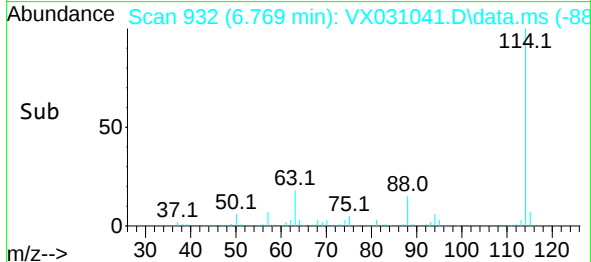
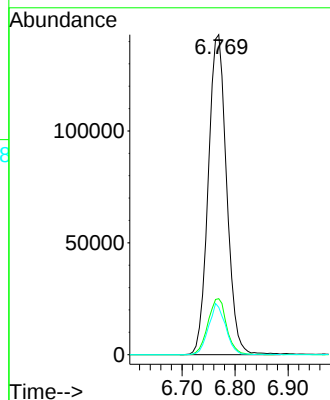
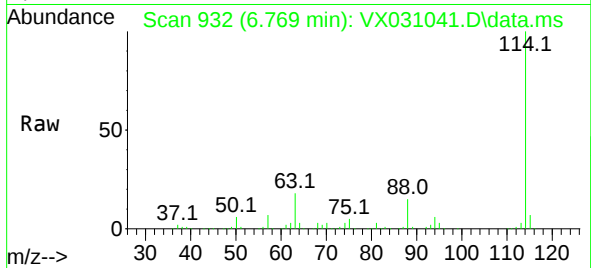




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

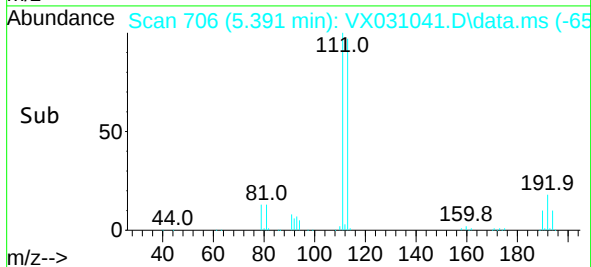
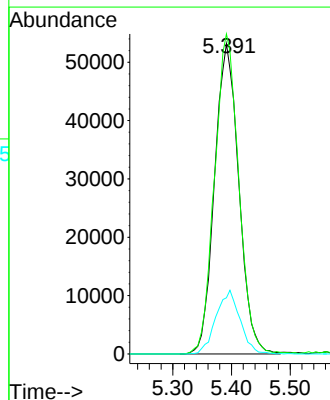
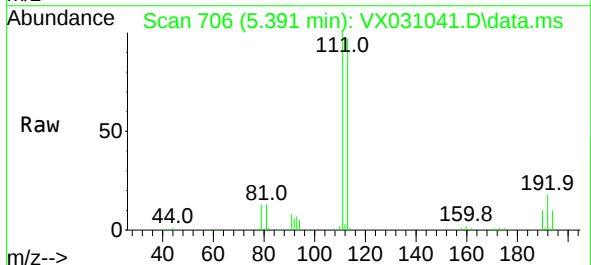
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

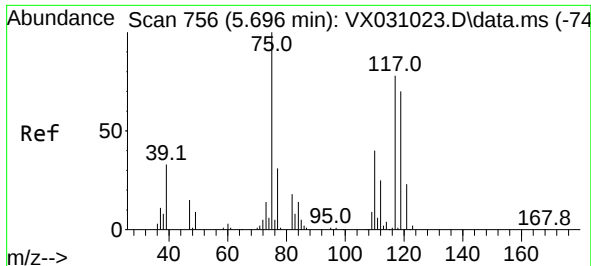
Tgt Ion:114 Resp: 344113
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 14.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 60.821 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion:113 Resp: 152736
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 20.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.097 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX031041.D

Acq: 01 Sep 2022 23:39

Instrument :

MSVOA_X

ClientSampleId :

RE131D1-20220821

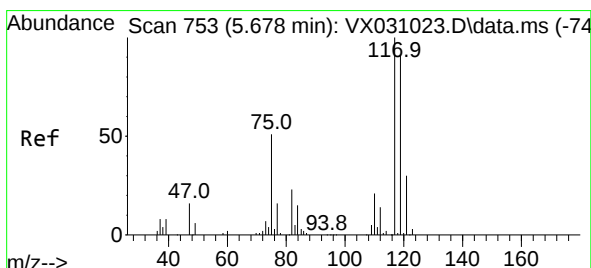
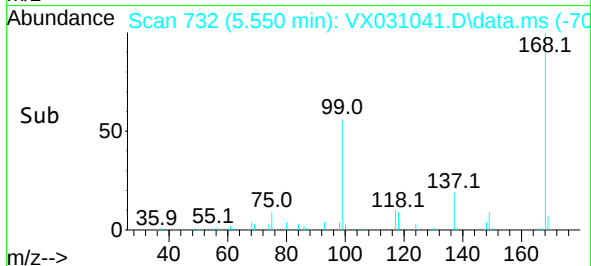
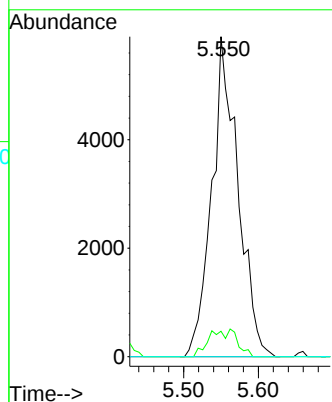
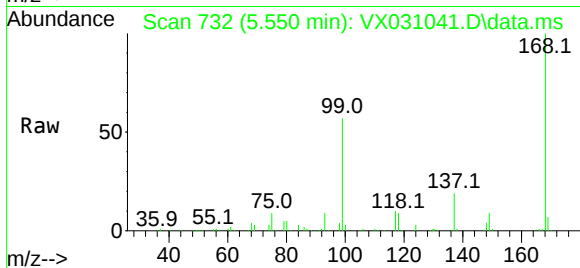
Tgt Ion: 75 Resp: 14410

Ion Ratio Lower Upper

75 100

110 5.7 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.360 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX031041.D

Acq: 01 Sep 2022 23:39

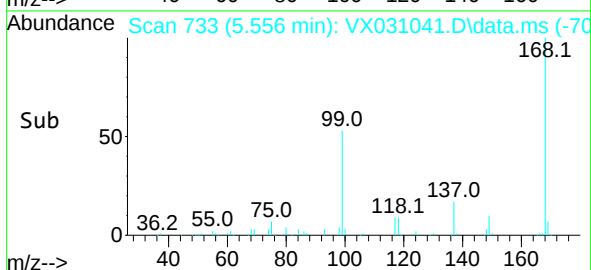
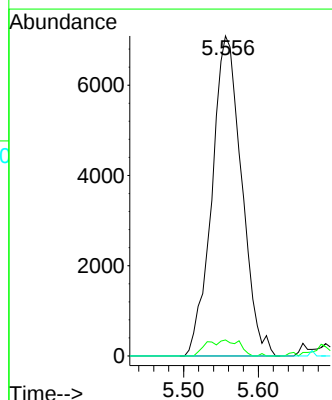
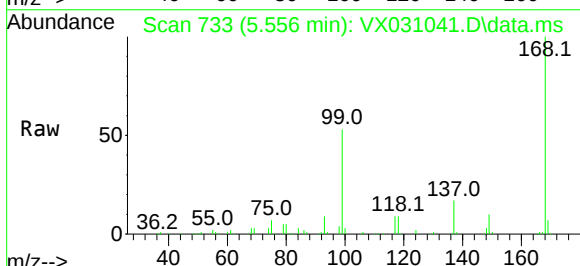
Tgt Ion: 117 Resp: 19572

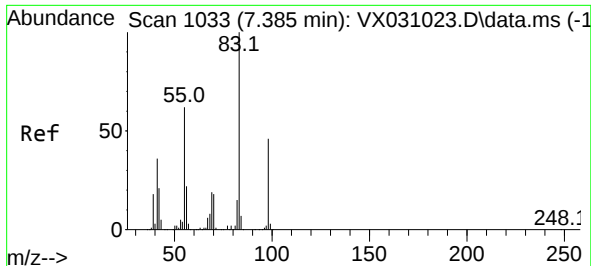
Ion Ratio Lower Upper

117 100

119 5.0 74.1 111.1#

121 0.0 25.8 38.8#

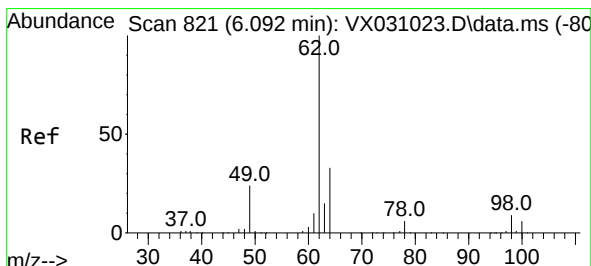
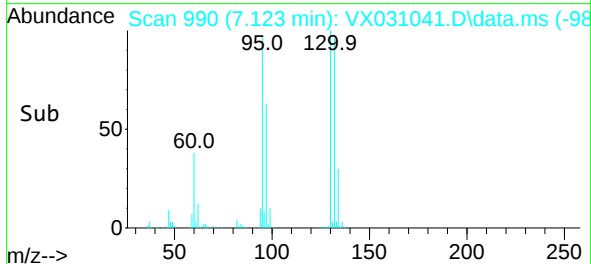
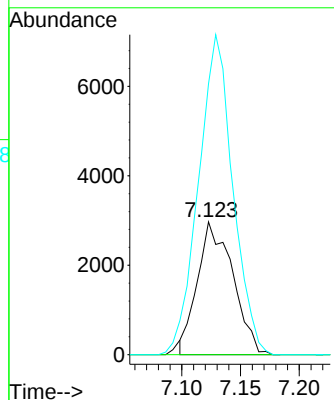
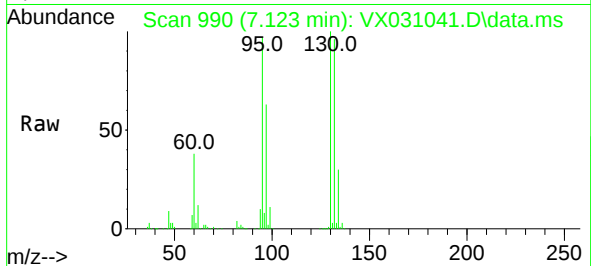




#39
Methylcyclohexane
Concen: 1.424 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.262 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

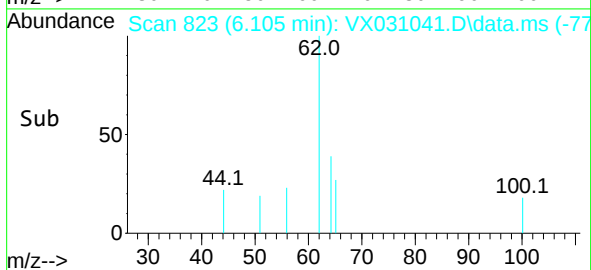
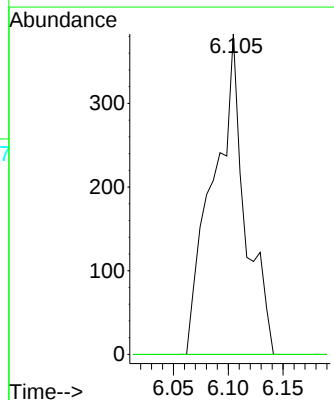
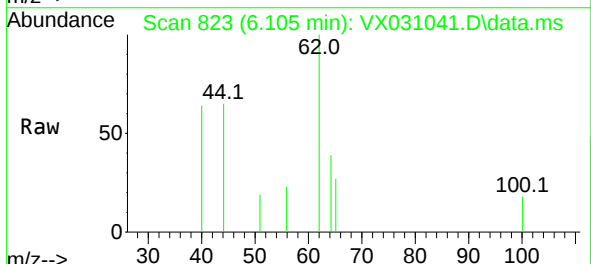
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

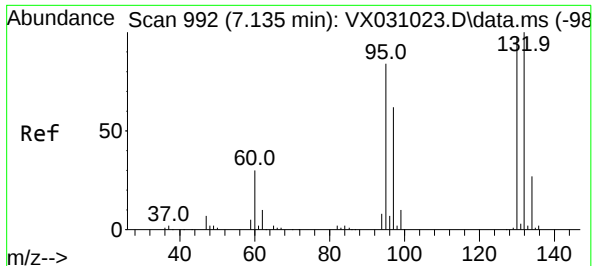
Tgt Ion: 83 Resp: 6208
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 204.1 36.5 54.7#



#42
1,2-Dichloroethane
Concen: 0.232 ug/l
RT: 6.105 min Scan# 823
Delta R.T. 0.013 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 62 Resp: 772
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

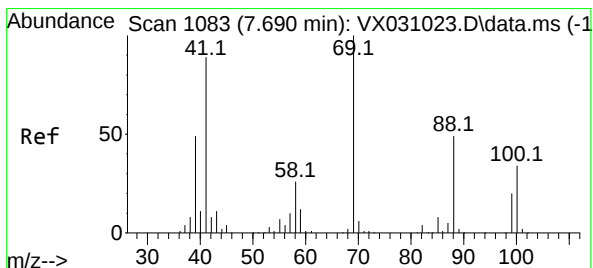
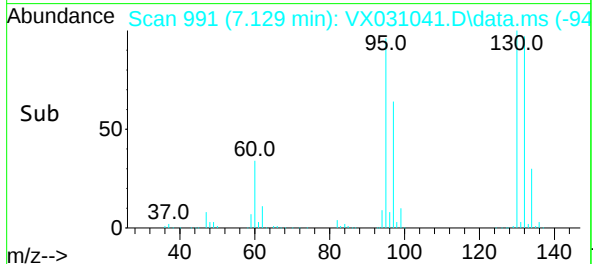
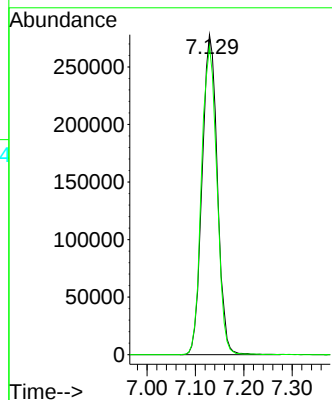
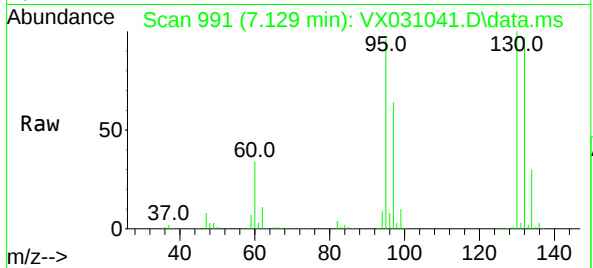




#44
Trichloroethene
Concen: 190.241 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

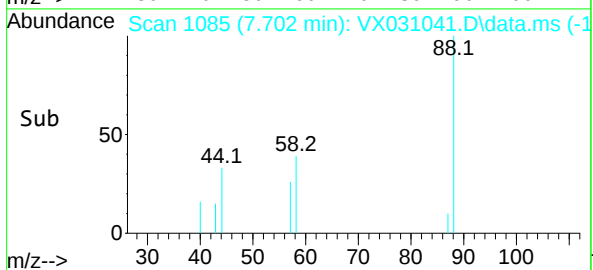
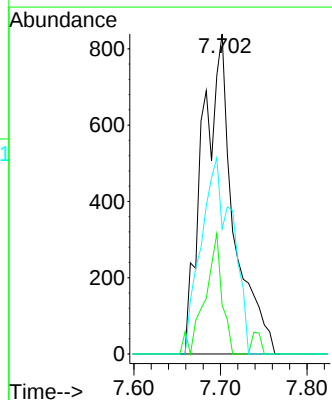
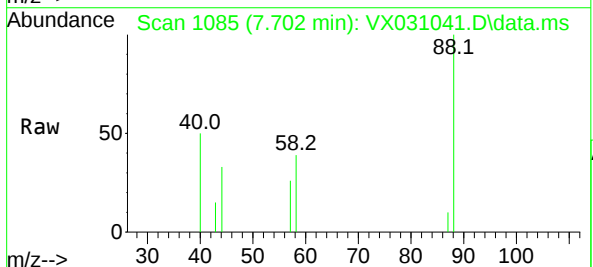
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

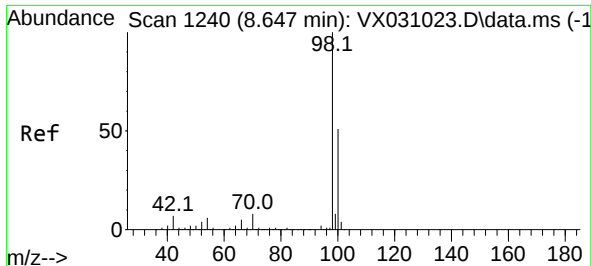
Tgt Ion:130 Resp: 608096
Ion Ratio Lower Upper
130 100
95 96.3 0.0 194.8



#49
1,4-Dioxane
Concen: 28.550 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.025 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 88 Resp: 2094
Ion Ratio Lower Upper
88 100
43 20.6 23.8 35.8#
58 61.4 53.8 80.6

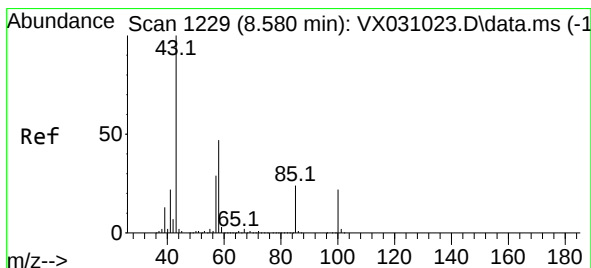
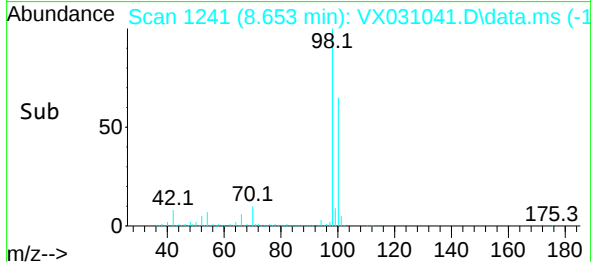
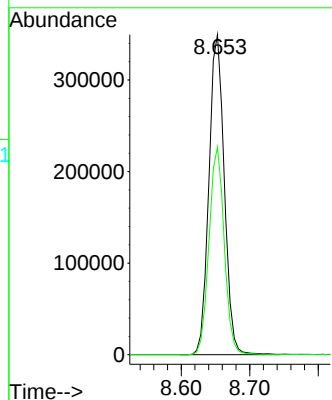
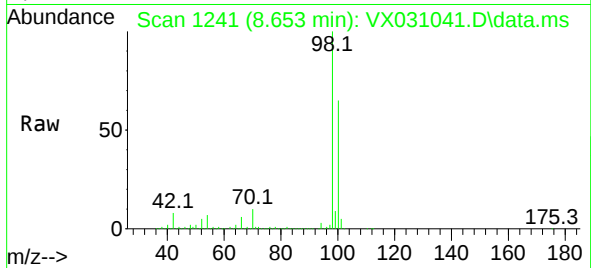




#50
Toluene-d8
Concen: 58.979 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

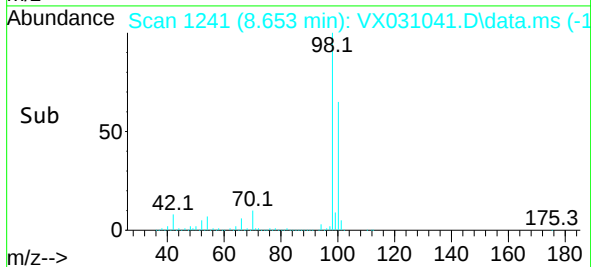
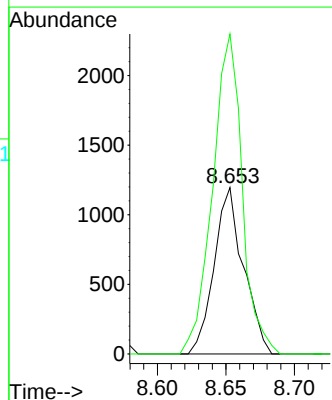
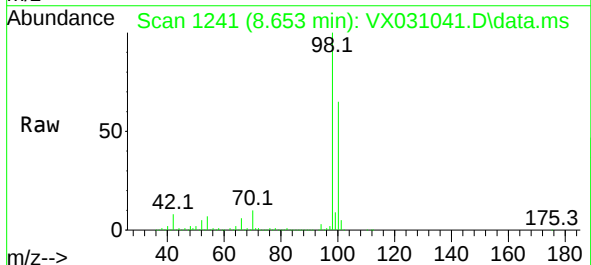
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

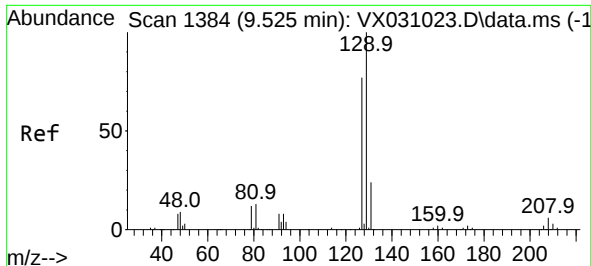
Tgt Ion: 98 Resp: 545094
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.580 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 43 Resp: 1780
Ion Ratio Lower Upper
43 100
58 193.8 31.4 47.2#

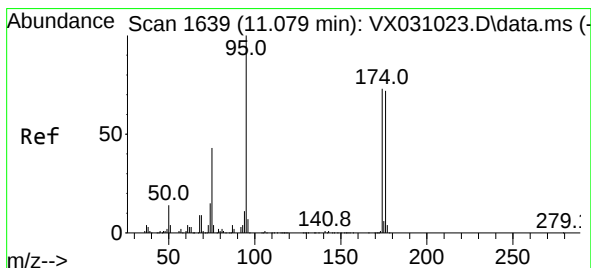
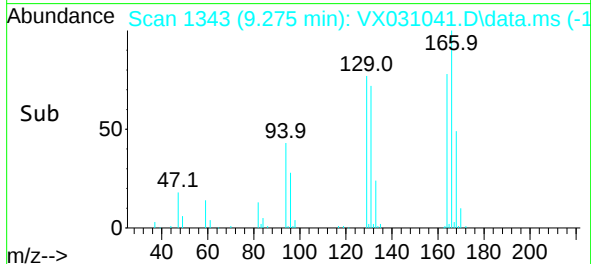
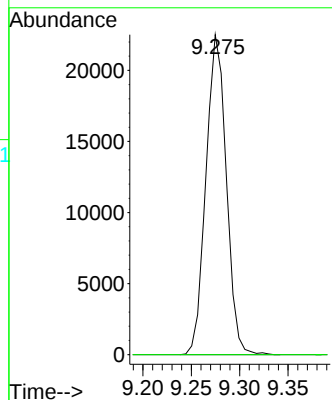
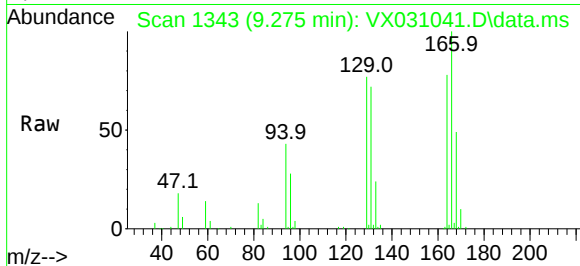




#60
Dibromochloromethane
Concen: 11.438 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

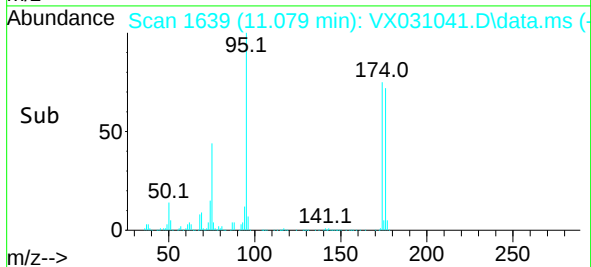
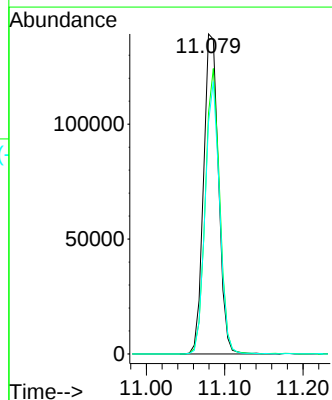
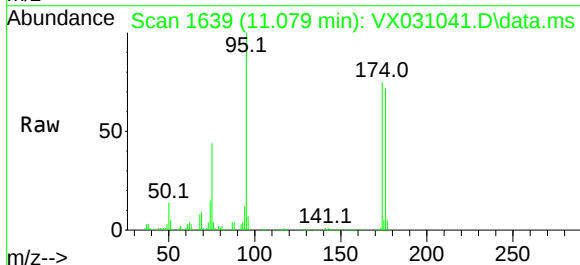
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

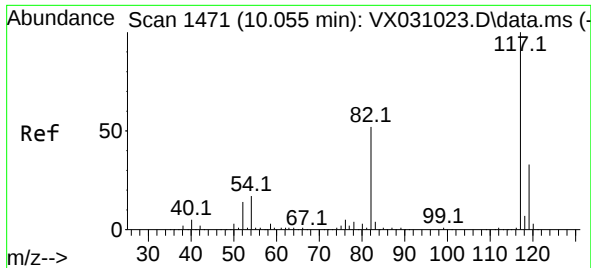
Tgt Ion:129 Resp: 33069
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 56.424 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion: 95 Resp: 184186
Ion Ratio Lower Upper
95 100
174 85.6 0.0 149.0
176 82.1 0.0 146.0

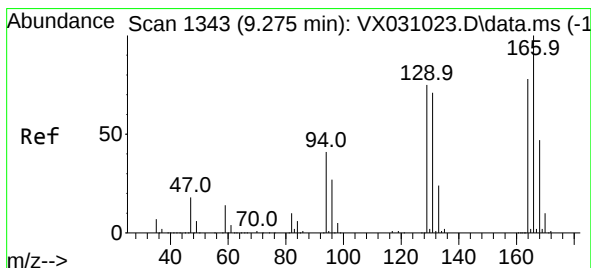
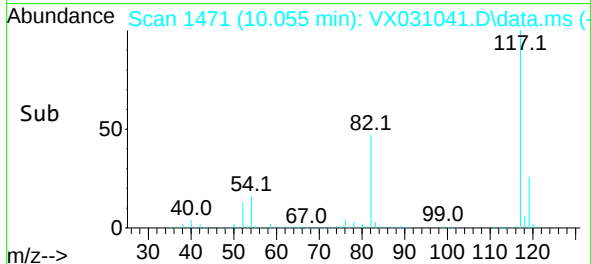
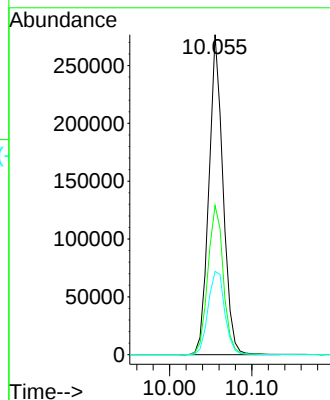
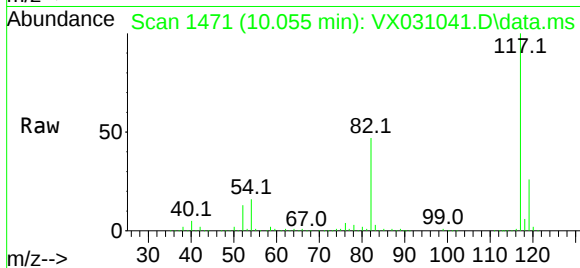




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

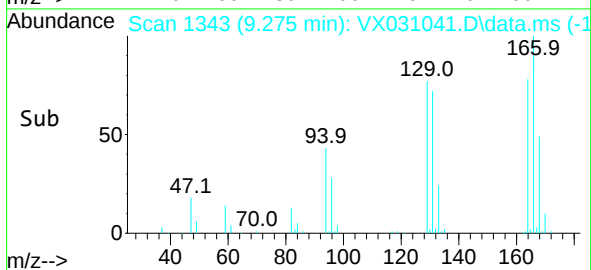
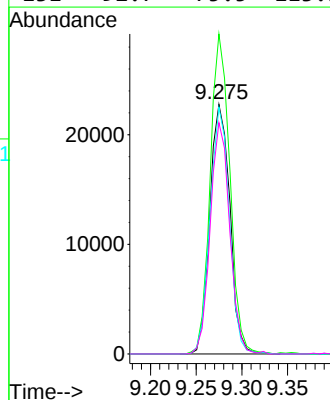
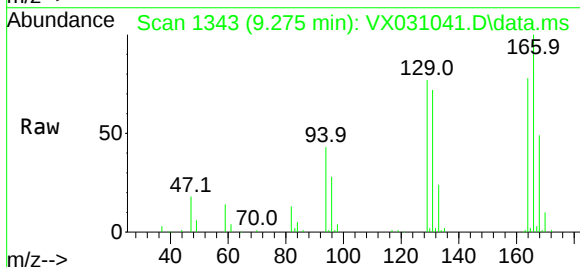
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

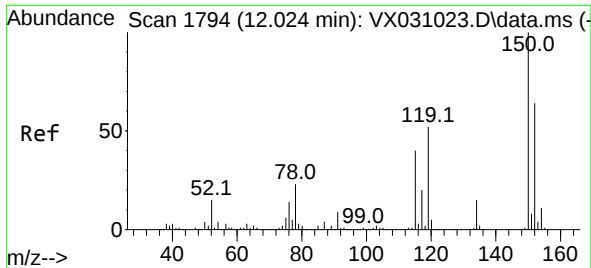
Tgt Ion:117 Resp: 330523
Ion Ratio Lower Upper
117 100
82 46.6 42.7 64.1
119 26.0 25.4 38.2



#64
Tetrachloroethene
Concen: 10.497 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

Tgt Ion:164 Resp: 34640
Ion Ratio Lower Upper
164 100
166 128.2 98.2 147.4
129 98.8 80.8 121.2
131 92.7 75.5 113.3

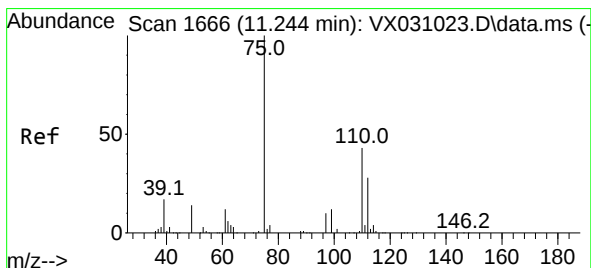
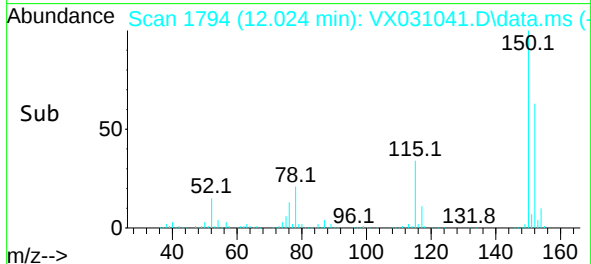
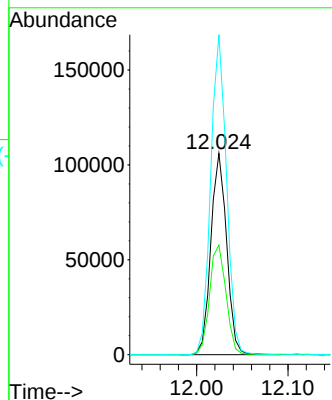
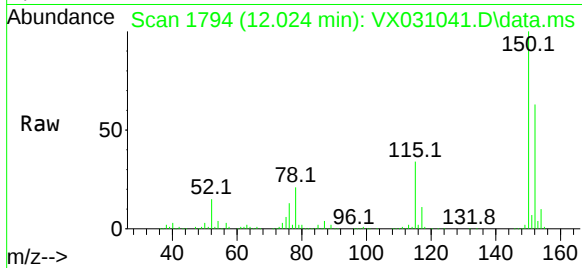




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

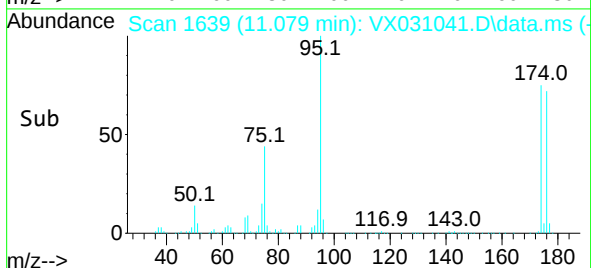
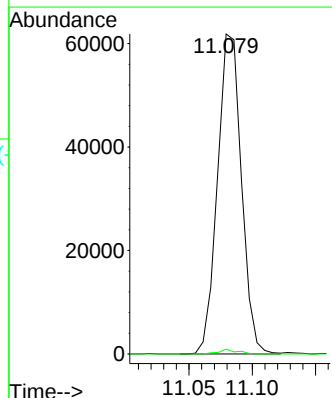
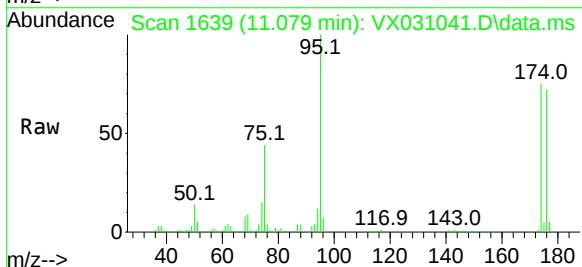
Instrument :
MSVOA_X
ClientSampleId :
RE131D1-20220821

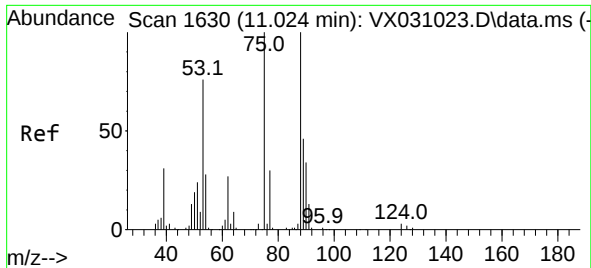
Tgt Ion:152 Resp: 127376
Ion Ratio Lower Upper
152 100
115 56.6 40.5 121.5
150 158.7 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 26.977 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031041.D
Acq: 01 Sep 2022 23:39

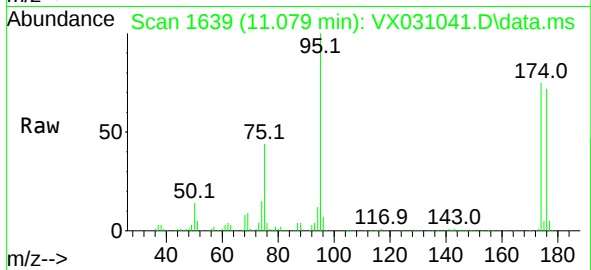
Tgt Ion: 75 Resp: 81229
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.781 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031041.D
 Acq: 01 Sep 2022 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D1-20220821



Tgt Ion: 75 Resp: 81229
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

