

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031094.D
 Acq On : 03 Sep 2022 19:47
 Operator : JC/MD
 Sample : N4357-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20220823

Quant Time: Sep 06 00:16:36 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

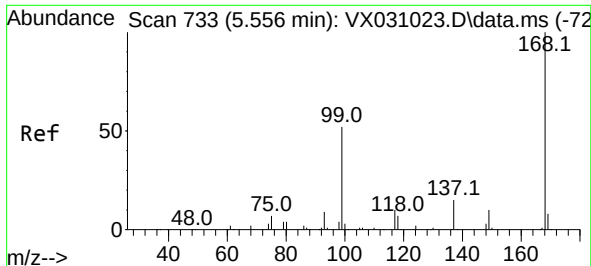
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	207482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	329979	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	297684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129689	48.579	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.160%		
35) Dibromofluoromethane	5.391	113	124591	51.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.480%		
50) Toluene-d8	8.653	98	441606	49.828	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.660%		
62) 4-Bromofluorobenzene	11.079	95	149752	47.840	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	690	0.323	ug/l	98
3) Chloromethane	1.288	50	295	0.843	ug/l	90
6) Chloroethane	1.697	64	294	1.913	ug/l #	68
9) 1,1,2-Trichlorotrifluo...	2.331	101	188363	75.465	ug/l	90
10) Methyl Iodide	2.459	142	656	3.164	ug/l #	93
11) Tert butyl alcohol	2.977	59	106	Below Cal	#	74
12) 1,1-Dichloroethene	2.325	96	2023	0.839	ug/l #	76
16) Acetone	2.404	43	769	0.746	ug/l #	77
20) Methylene Chloride	2.788	84	387	Below Cal	#	85
27) cis-1,2-Dichloroethene	4.495	96	3845	1.279	ug/l	85
30) Chloroform	5.099	83	1162	0.244	ug/l	96
31) Cyclohexane	5.556	56	3293	0.903	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13811	4.095	ug/l #	45
38) Carbon Tetrachloride	5.672	117	782	0.223	ug/l #	69
39) Methylcyclohexane	7.123	83	3592	0.859	ug/l #	1
44) Trichloroethene	7.129	130	352295	114.935	ug/l	97
49) 1,4-Dioxane	7.696	88	471	6.697	ug/l #	58
51) 4-Methyl-2-Pentanone	8.647	43	1243	0.422	ug/l #	1
52) Toluene	8.720	92	2149	0.342	ug/l	99
60) Dibromochloromethane	9.275	129	19329	6.972	ug/l #	11
64) Tetrachloroethene	9.275	164	21161	7.120	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	69569	22.194	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	69569	69.751	ug/l #	13

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

Quant Time: Sep 06 00:16:36 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

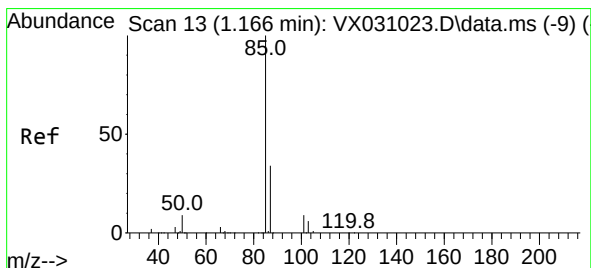
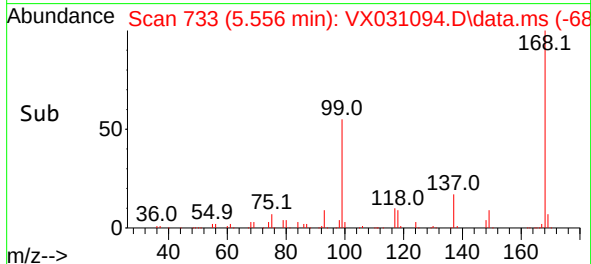
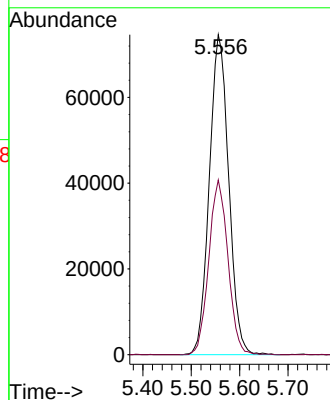
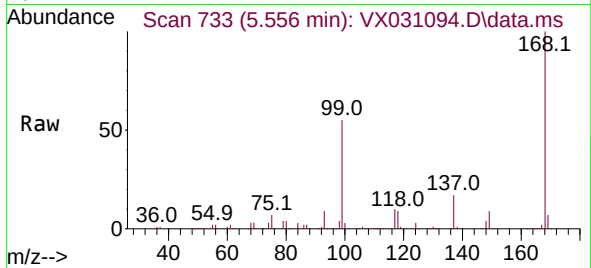




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

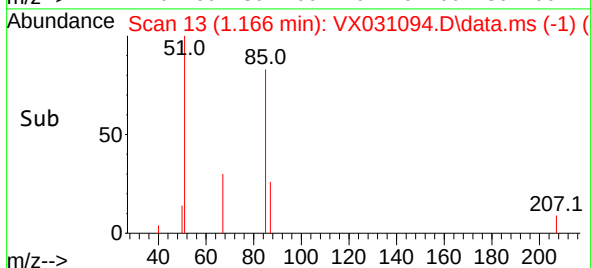
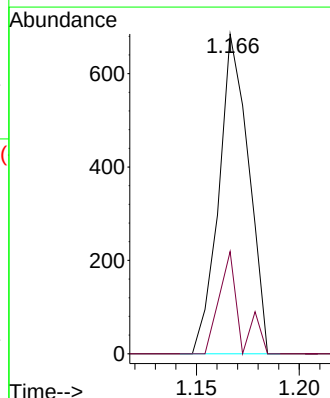
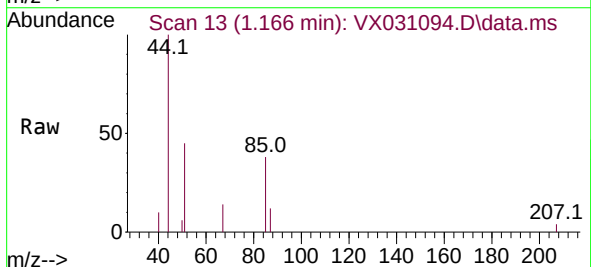
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20220823

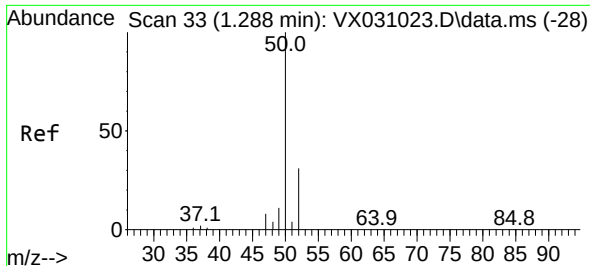
Tgt Ion:168 Resp: 207482
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 0.323 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

Tgt Ion: 85 Resp: 690
Ion Ratio Lower Upper
85 100
87 32.0 16.5 49.5

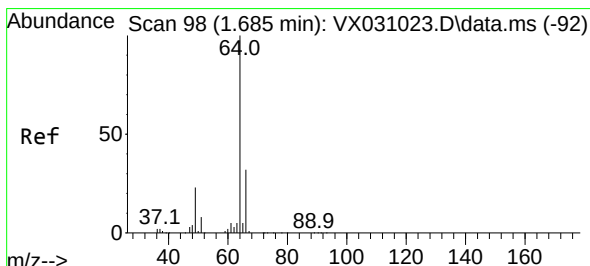
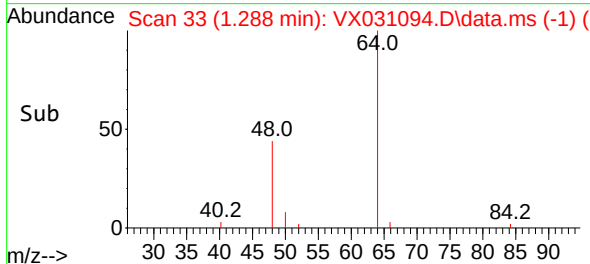
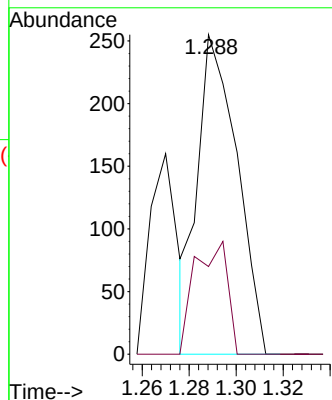
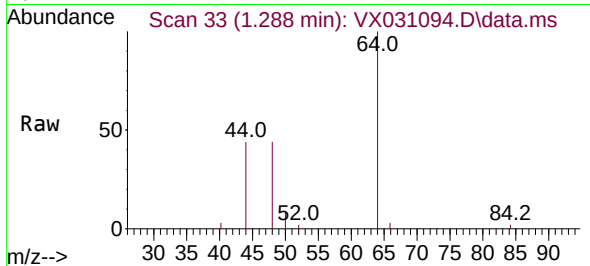




#3
Chloromethane
Concen: 0.843 ug/l
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

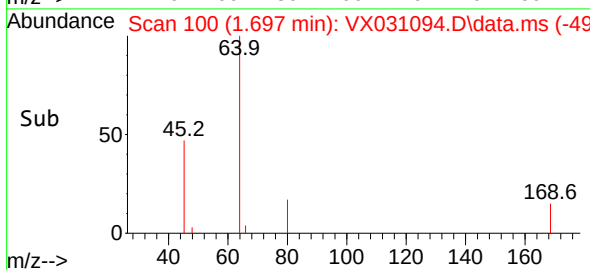
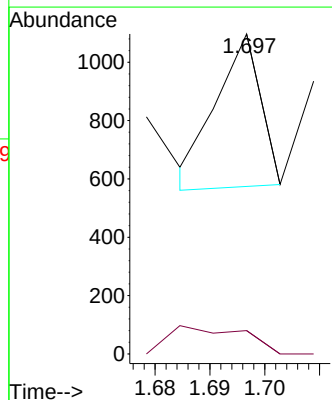
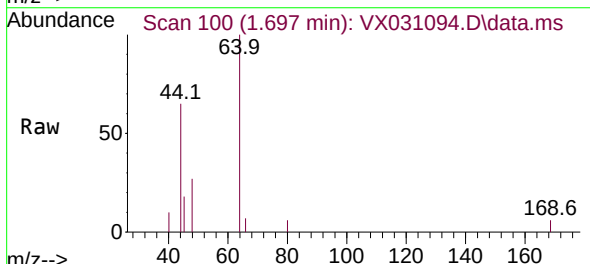
Instrument :
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ClientSampleId :
RE125D3-20220823

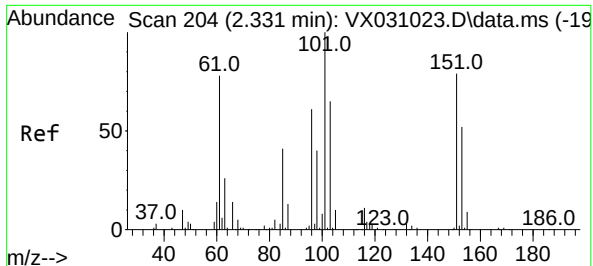
Tgt Ion: 50 Resp: 295
Ion Ratio Lower Upper
50 100
52 27.5 26.3 39.5



#6
Chloroethane
Concen: 1.913 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

Tgt Ion: 64 Resp: 294
Ion Ratio Lower Upper
64 100
66 15.5 27.2 40.8#

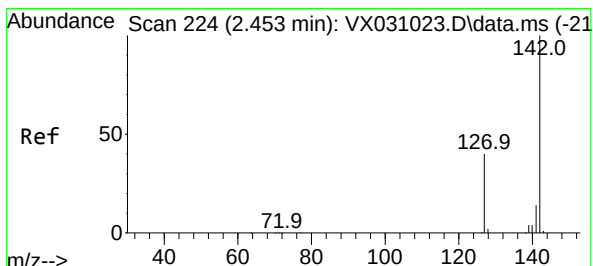
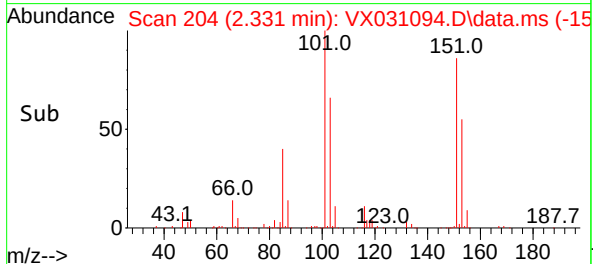
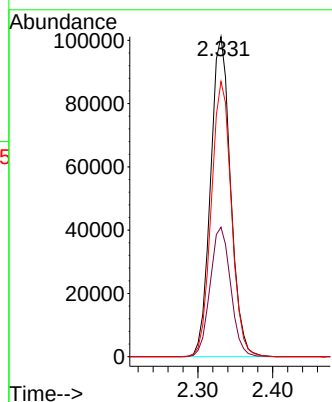
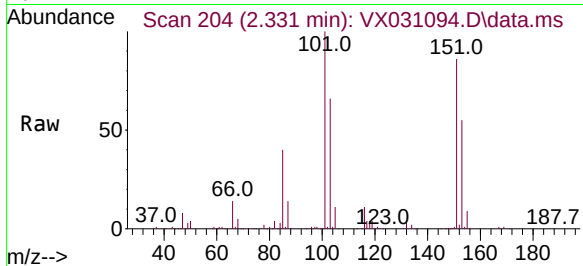




#9
1,1,2-Trichlorotrifluoroethane
Concen: 75.465 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

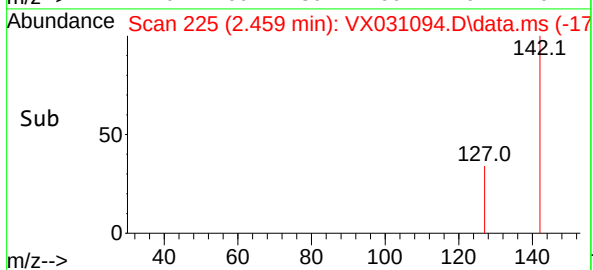
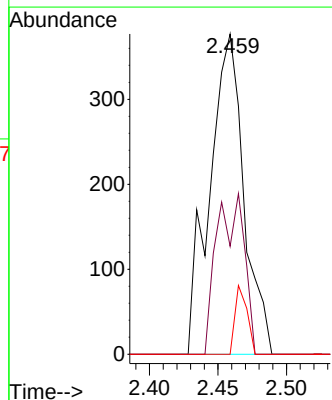
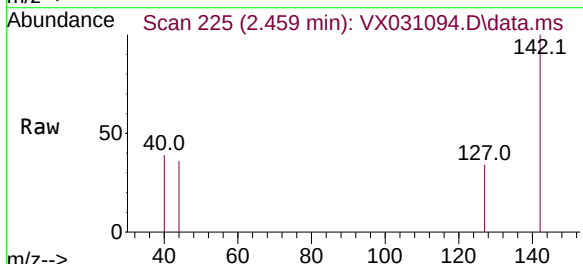
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20220823

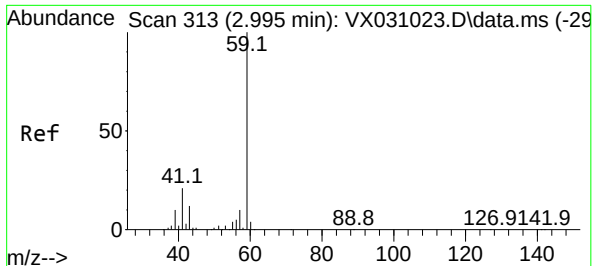
Tgt Ion:101 Resp: 188363
Ion Ratio Lower Upper
101 100
85 41.5 34.0 51.0
151 86.4 59.4 89.0



#10
Methyl Iodide
Concen: 3.164 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

Tgt Ion:142 Resp: 656
Ion Ratio Lower Upper
142 100
127 40.1 30.2 45.2
141 7.5 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.977 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX031094.D

Acq: 03 Sep 2022 19:47

Instrument :

MSVOA_X

ClientSampleId :

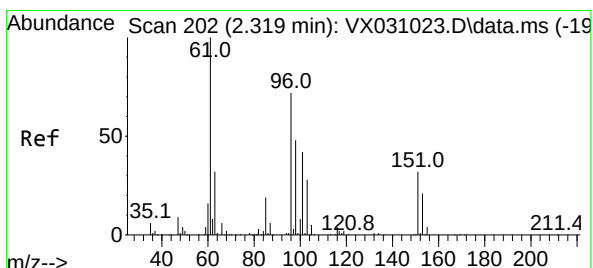
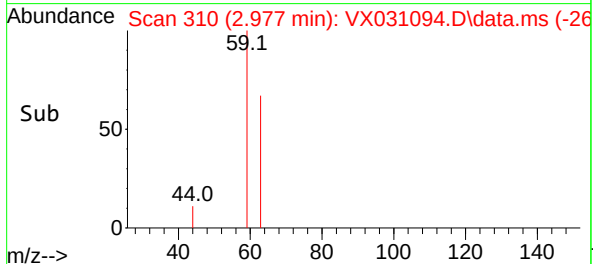
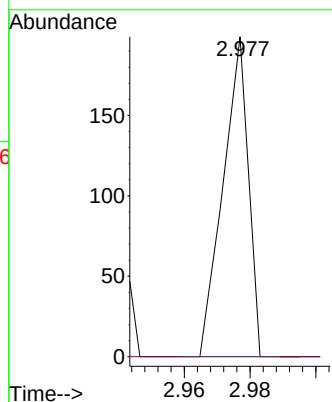
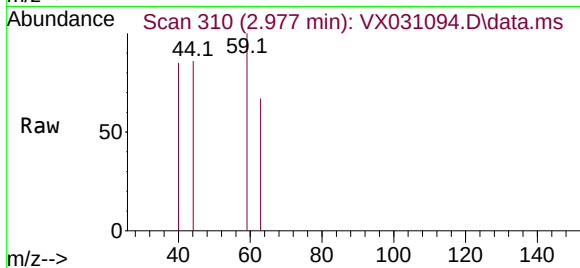
RE125D3-20220823

Tgt Ion: 59 Resp: 106

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.839 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX031094.D

Acq: 03 Sep 2022 19:47

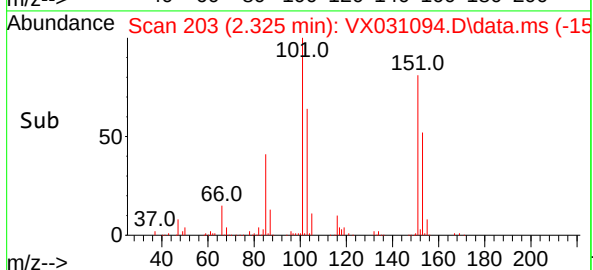
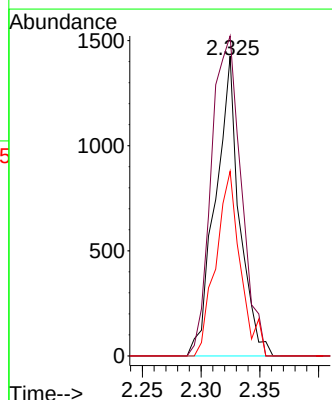
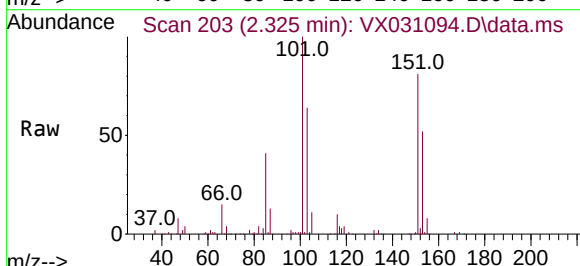
Tgt Ion: 96 Resp: 2023

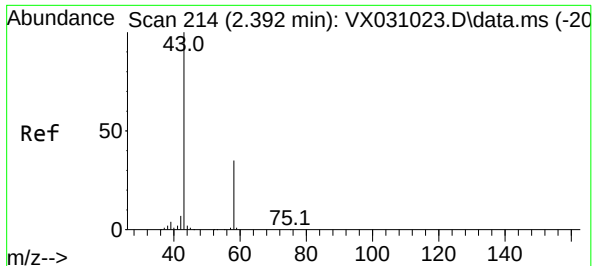
Ion Ratio Lower Upper

96 100

61 106.7 117.4 176.0#

98 61.6 52.2 78.4

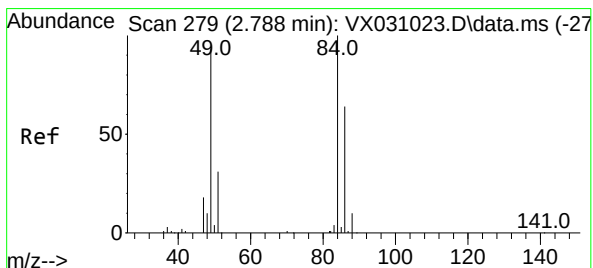
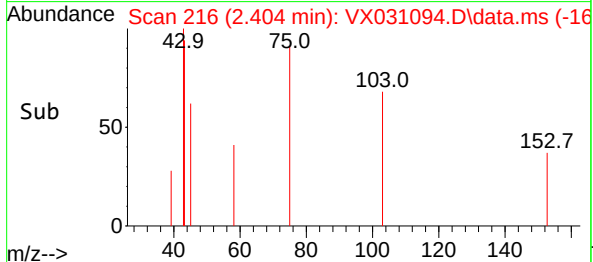
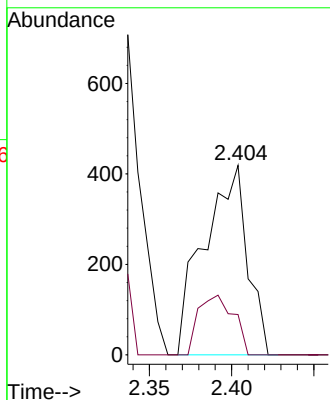
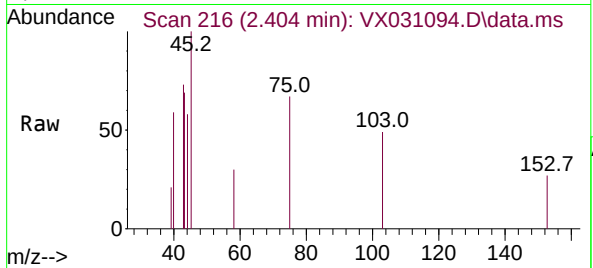




#16
Acetone
Concen: 0.746 ug/l
RT: 2.404 min Scan# 214
Delta R.T. 0.018 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

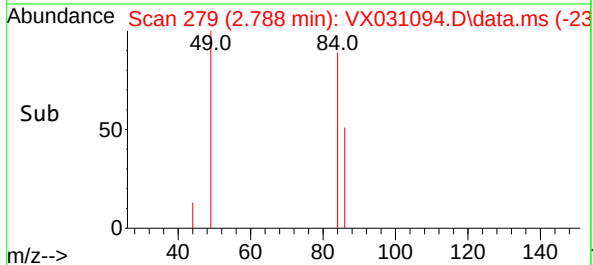
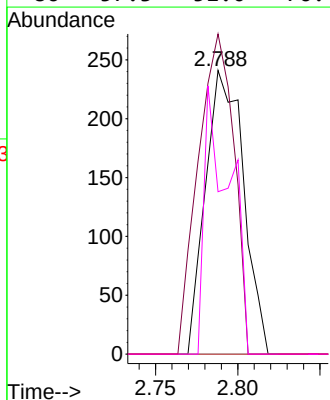
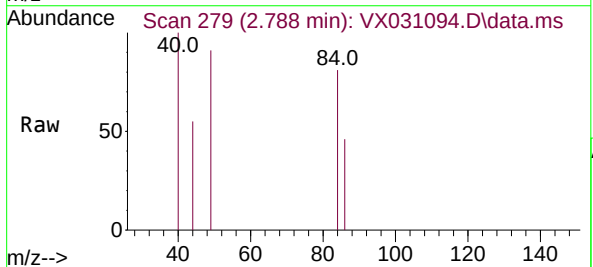
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20220823

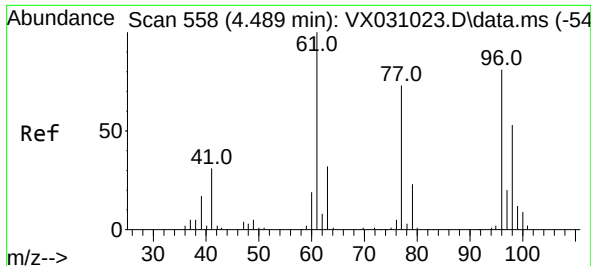
Tgt Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
58 21.2 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

Tgt Ion: 84 Resp: 387
Ion Ratio Lower Upper
84 100
49 112.9 93.8 140.6
51 0.0 29.4 44.0#
86 57.3 51.0 76.4





#27

cis-1,2-Dichloroethene

Concen: 1.279 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031094.D

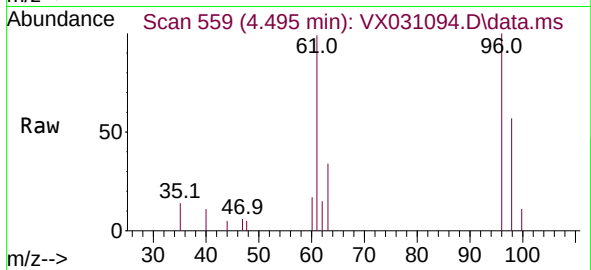
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Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20220823



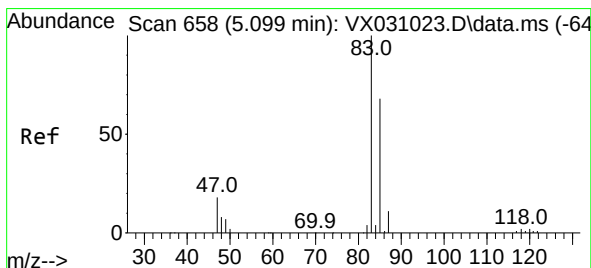
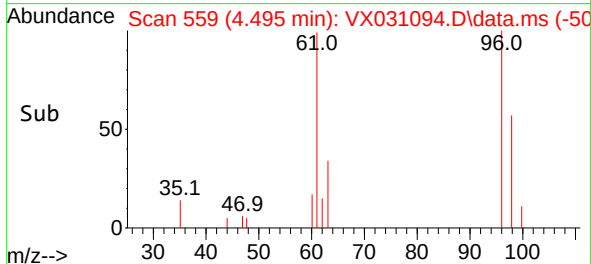
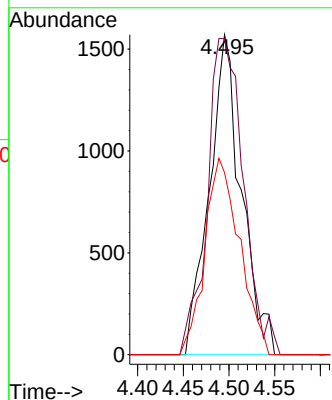
Tgt Ion: 96 Resp: 3845

Ion Ratio Lower Upper

96 100

61 111.2 0.0 270.0

98 66.3 0.0 127.8



#30

Chloroform

Concen: 0.244 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.000 min

Lab File: VX031094.D

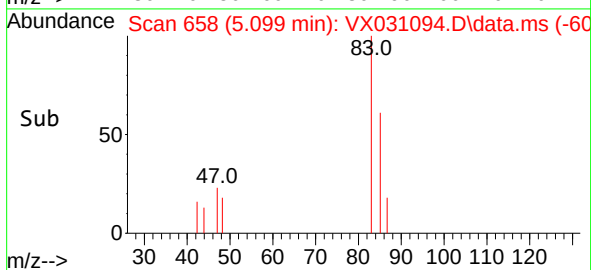
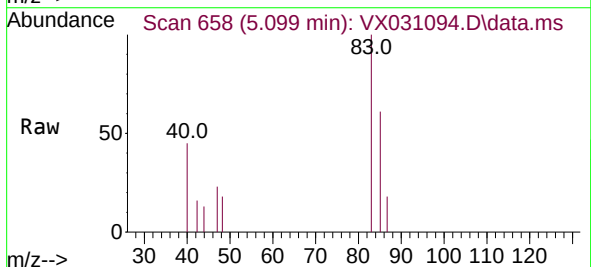
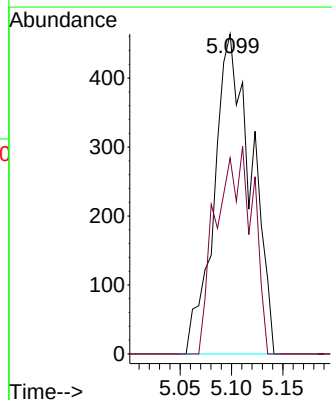
Acq: 03 Sep 2022 19:47

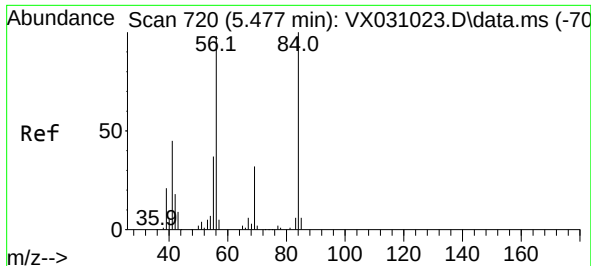
Tgt Ion: 83 Resp: 1162

Ion Ratio Lower Upper

83 100

85 61.2 51.5 77.3

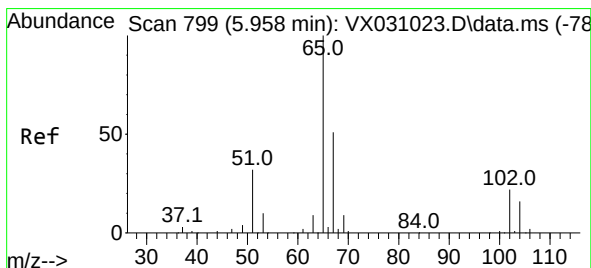
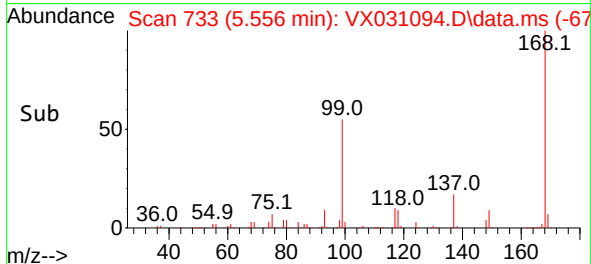
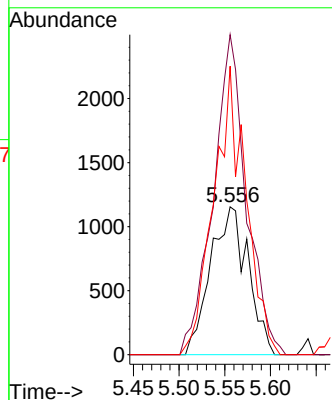
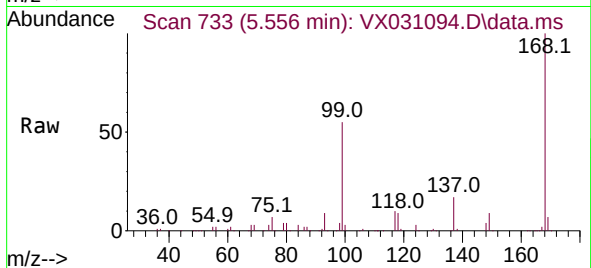




#31
Cyclohexane
Concen: 0.903 ug/l
RT: 5.556 min Scan# 711
Delta R.T. 0.079 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

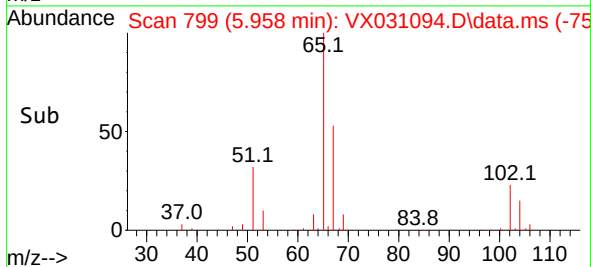
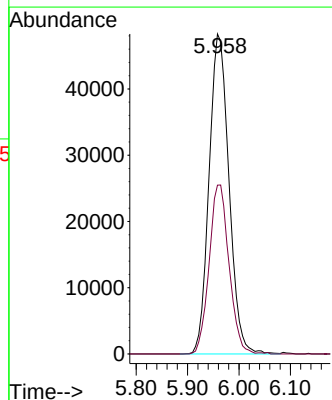
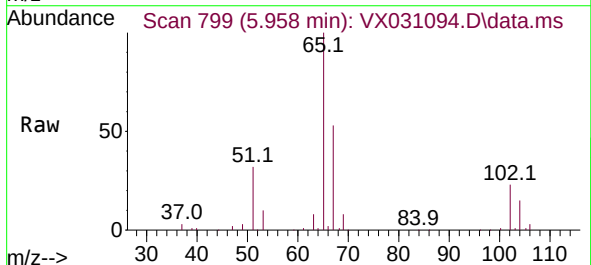
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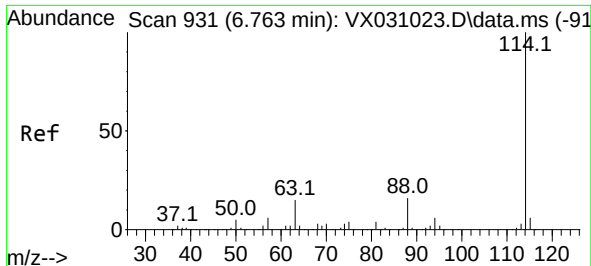
Tgt Ion: 56 Resp: 3293
Ion Ratio Lower Upper
56 100
69 216.6 25.4 38.0#
84 195.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 48.579 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

Tgt Ion: 65 Resp: 129689
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6

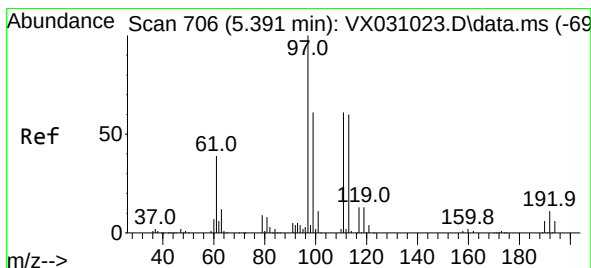
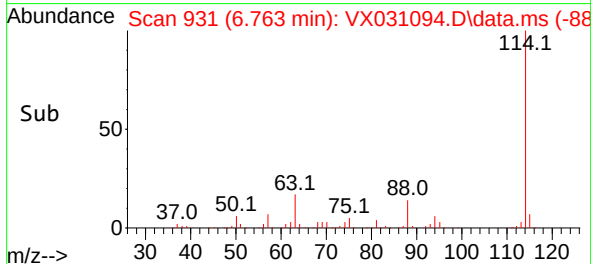
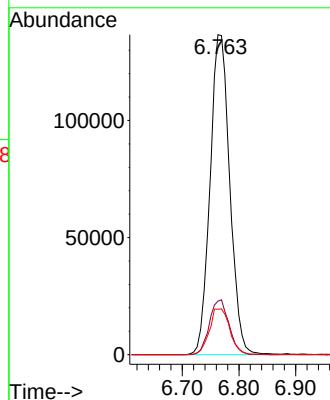
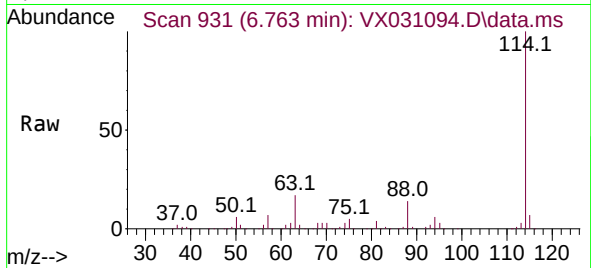




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

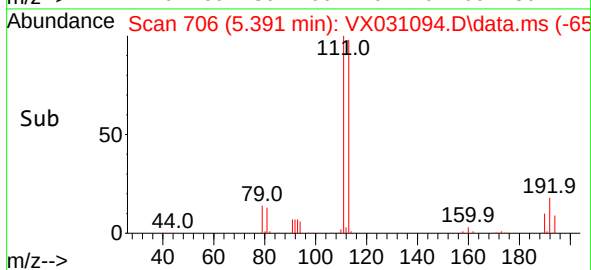
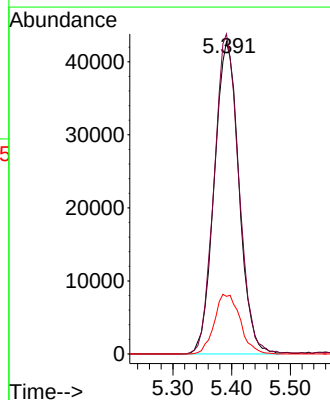
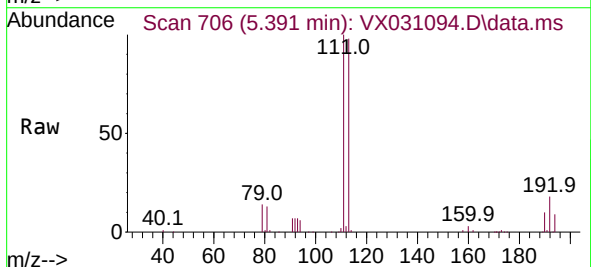
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20220823

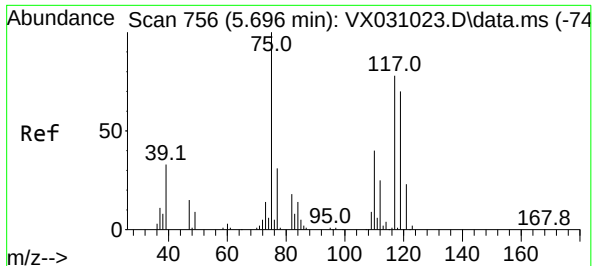
Tgt Ion:114 Resp: 329979
Ion Ratio Lower Upper
114 100
63 16.7 0.0 38.4
88 14.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.739 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

Tgt Ion:113 Resp: 124591
Ion Ratio Lower Upper
113 100
111 102.4 83.2 124.8
192 19.9 14.8 22.2

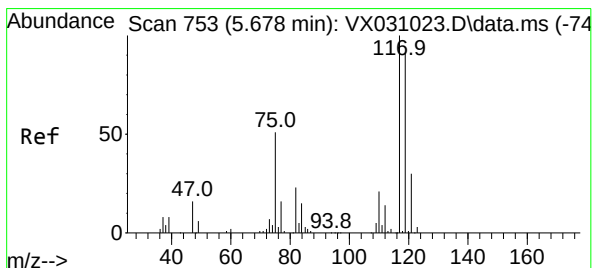
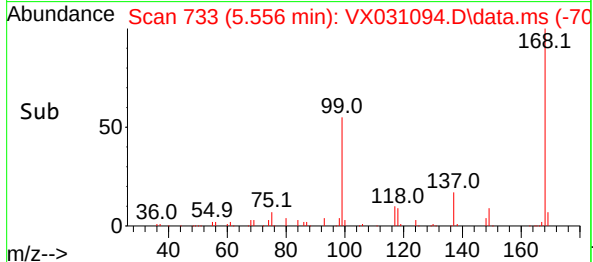
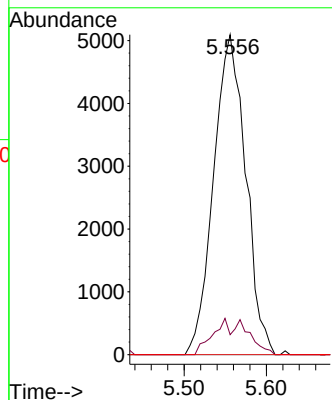
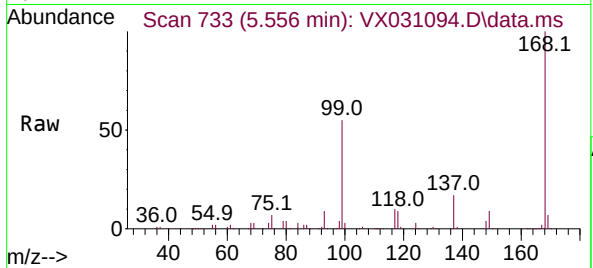




#36
1,1-Dichloropropene
Concen: 4.095 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

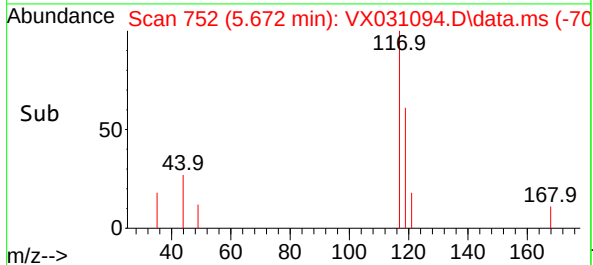
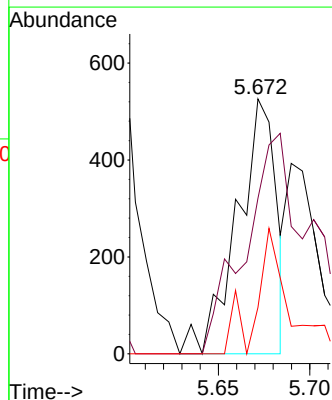
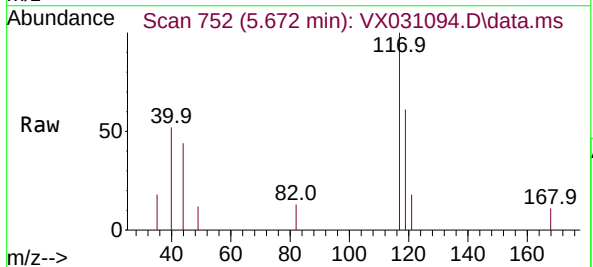
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20220823

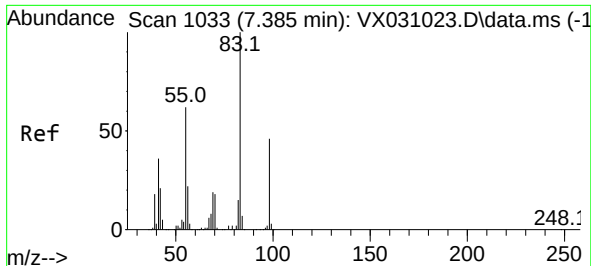
Tgt Ion: 75 Resp: 13811
Ion Ratio Lower Upper
75 100
110 6.1 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 0.223 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

Tgt Ion: 117 Resp: 782
Ion Ratio Lower Upper
117 100
119 61.0 74.1 111.1#
121 18.3 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.859 ug/l

RT: 7.123 min Scan# 991

Delta R.T. -0.262 min

Lab File: VX031094.D

Acq: 03 Sep 2022 19:47

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20220823

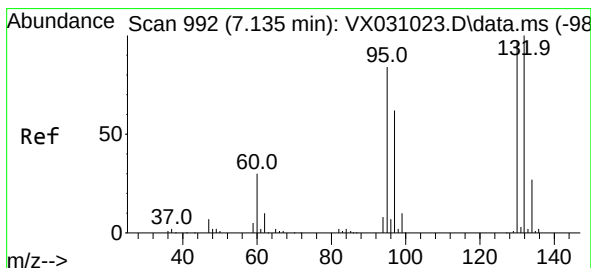
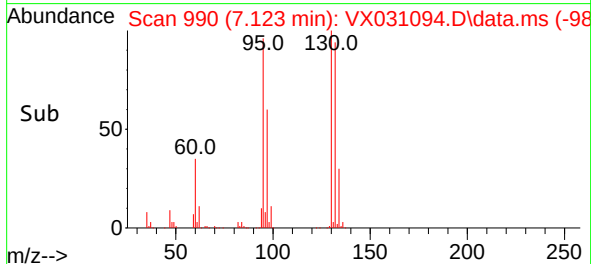
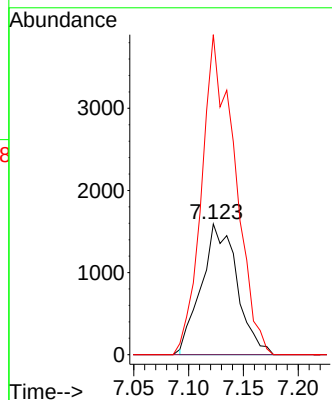
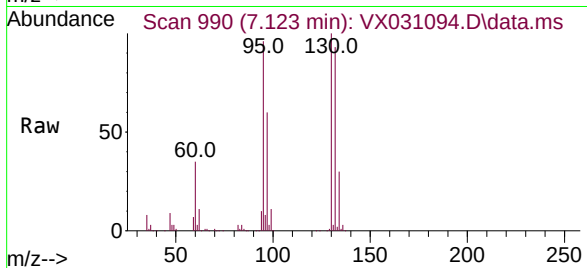
Tgt Ion: 83 Resp: 3592

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 244.9 36.5 54.7#



#44

Trichloroethene

Concen: 114.935 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX031094.D

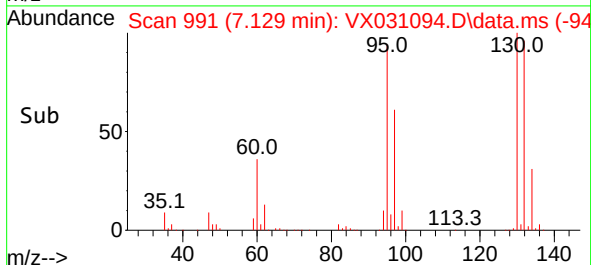
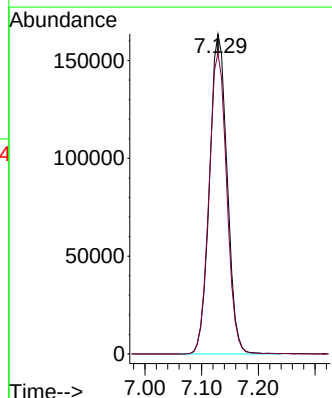
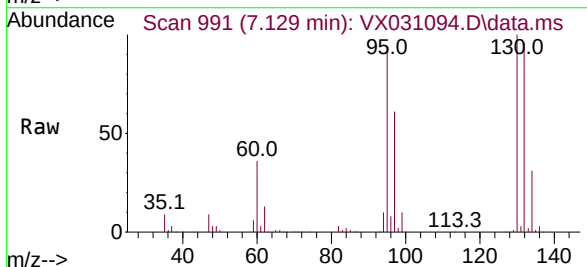
Acq: 03 Sep 2022 19:47

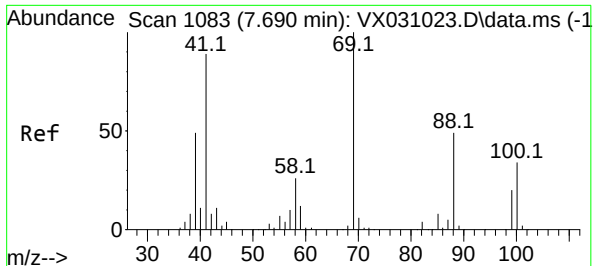
Tgt Ion:130 Resp: 352295

Ion Ratio Lower Upper

130 100

95 94.0 0.0 194.8





#49

1,4-Dioxane

Concen: 6.697 ug/l

RT: 7.696 min Scan# 1083

Delta R.T. 0.019 min

Lab File: VX031094.D

Acq: 03 Sep 2022 19:47

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20220823

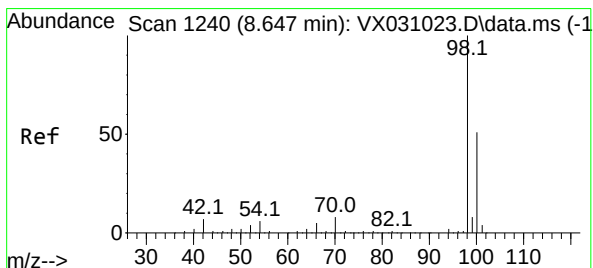
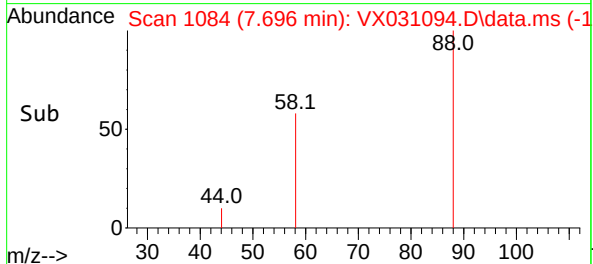
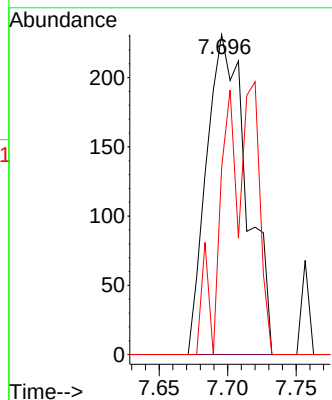
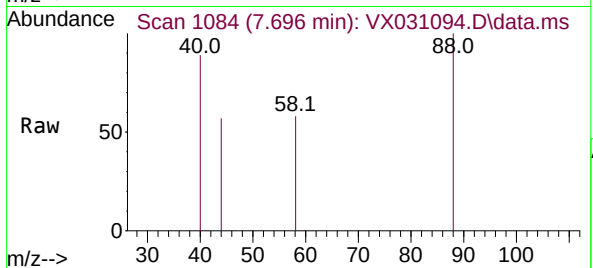
Tgt Ion: 88 Resp: 471

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 38.2 53.8 80.6#



#50

Toluene-d8

Concen: 49.828 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031094.D

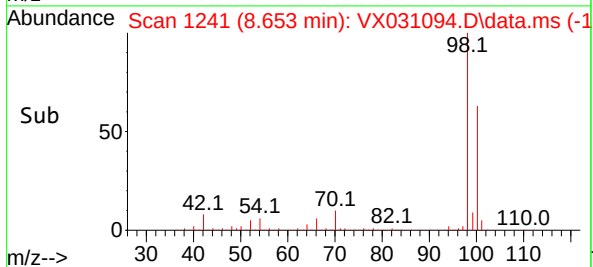
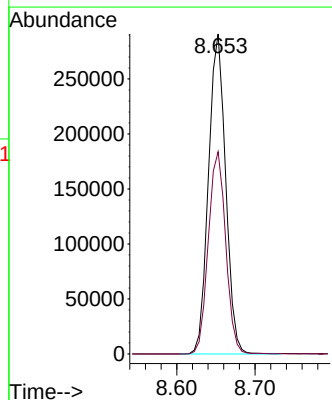
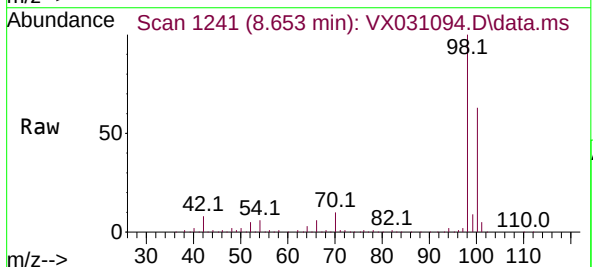
Acq: 03 Sep 2022 19:47

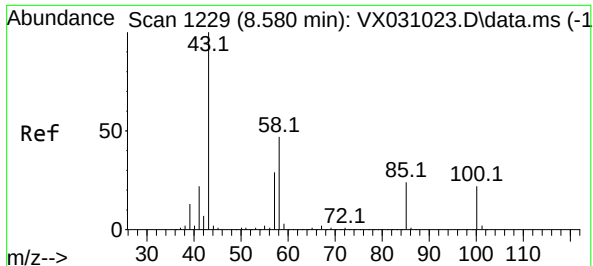
Tgt Ion: 98 Resp: 441606

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.422 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX031094.D

Acq: 03 Sep 2022 19:47

Instrument :

MSVOA_X

ClientSampleId :

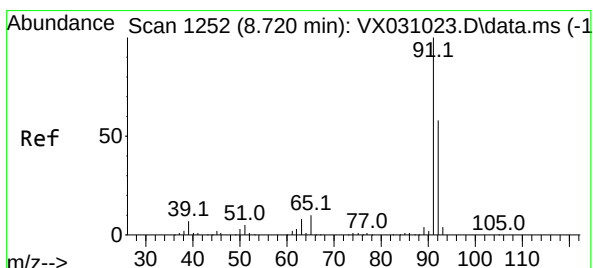
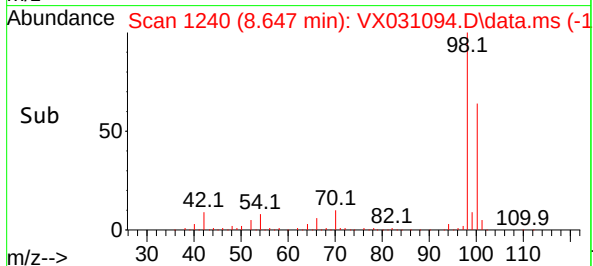
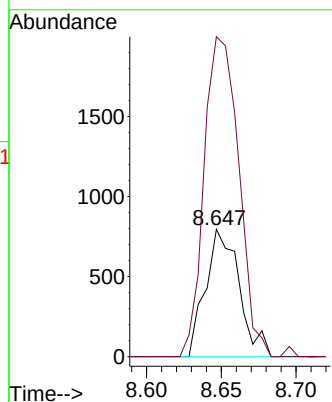
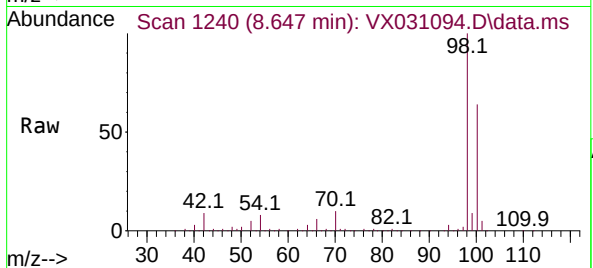
RE125D3-20220823

Tgt Ion: 43 Resp: 1243

Ion Ratio Lower Upper

43 100

58 259.3 31.4 47.2#



#52

Toluene

Concen: 0.342 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX031094.D

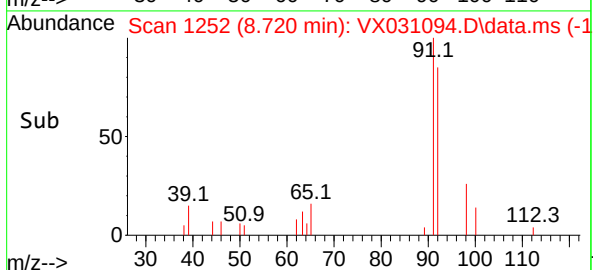
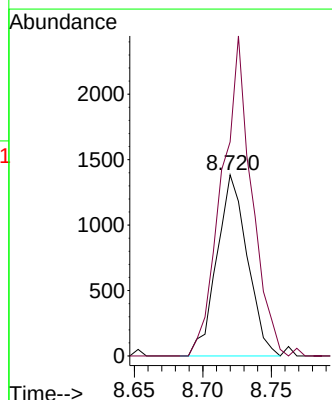
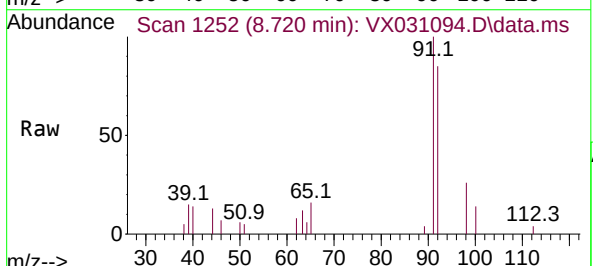
Acq: 03 Sep 2022 19:47

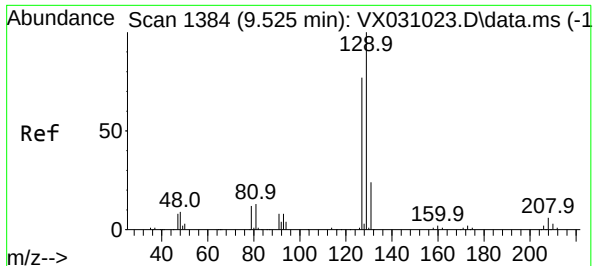
Tgt Ion: 92 Resp: 2149

Ion Ratio Lower Upper

92 100

91 172.5 139.2 208.8

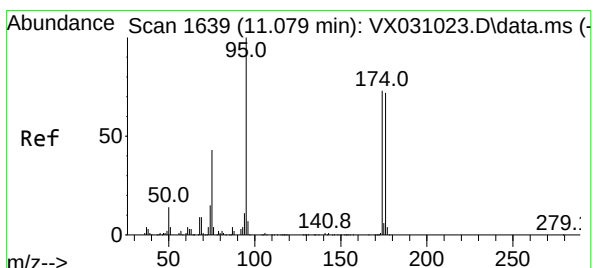
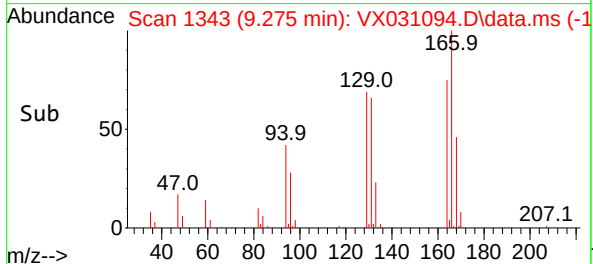
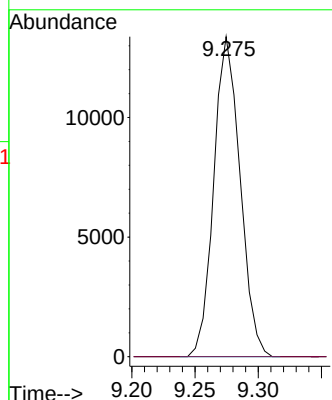
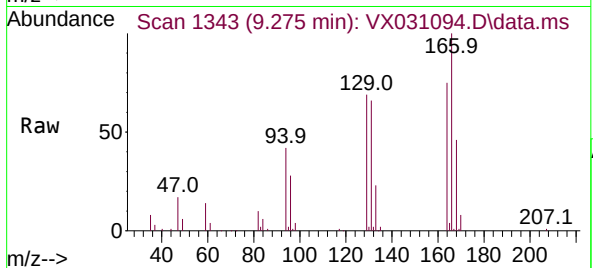




#60
Dibromochloromethane
Concen: 6.972 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

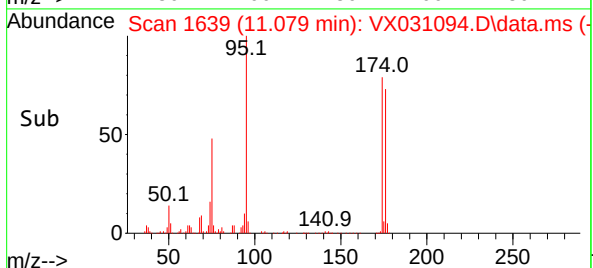
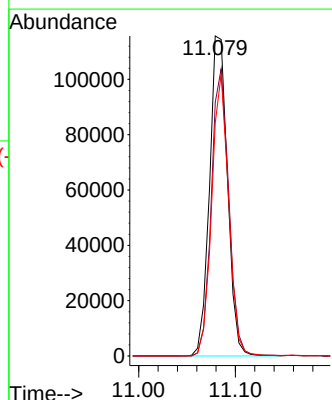
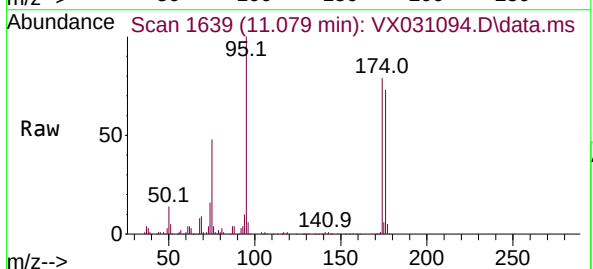
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20220823

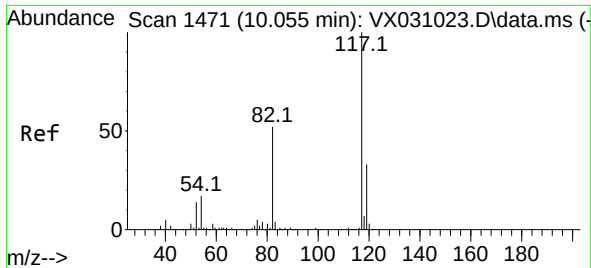
Tgt Ion:129 Resp: 19329
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.840 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

Tgt Ion: 95 Resp: 149752
Ion Ratio Lower Upper
95 100
174 87.1 0.0 149.0
176 82.8 0.0 146.0

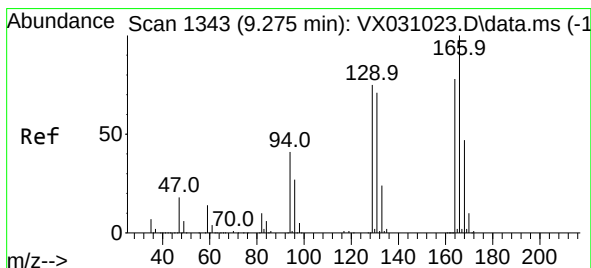
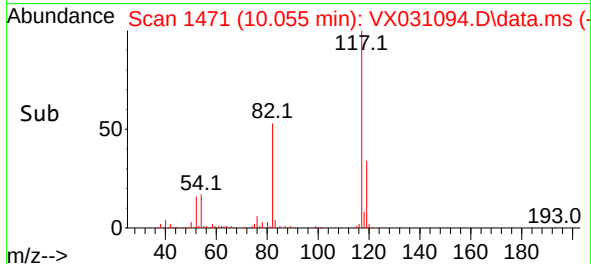
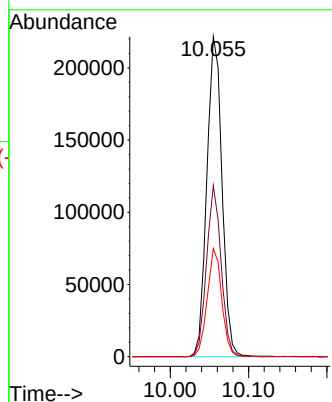
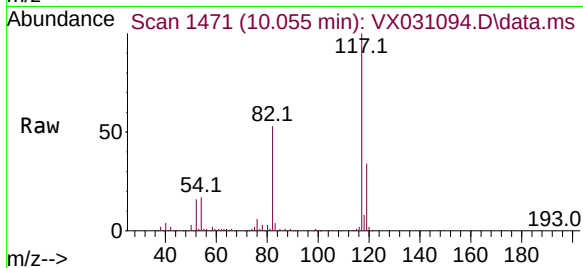




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

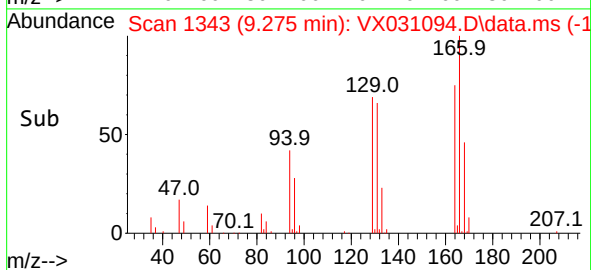
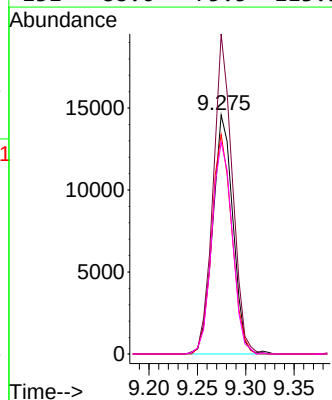
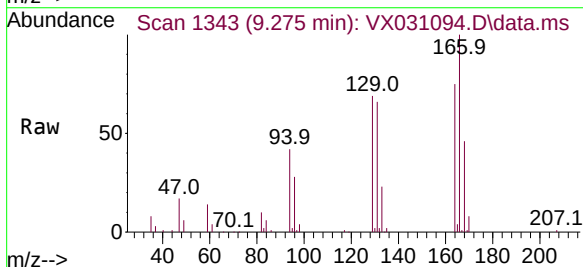
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20220823

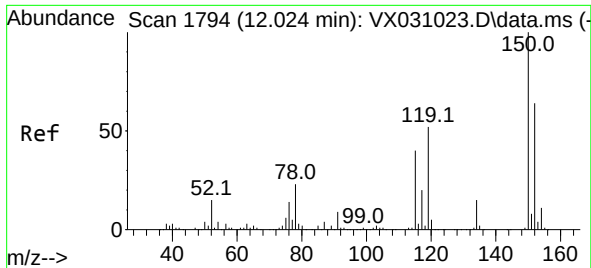
Tgt Ion:117 Resp: 297684
Ion Ratio Lower Upper
117 100
82 53.5 42.7 64.1
119 33.8 25.4 38.2



#64
Tetrachloroethene
Concen: 7.120 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031094.D
Acq: 03 Sep 2022 19:47

Tgt Ion:164 Resp: 21161
Ion Ratio Lower Upper
164 100
166 133.9 98.2 147.4
129 91.8 80.8 121.2
131 88.6 75.5 113.3

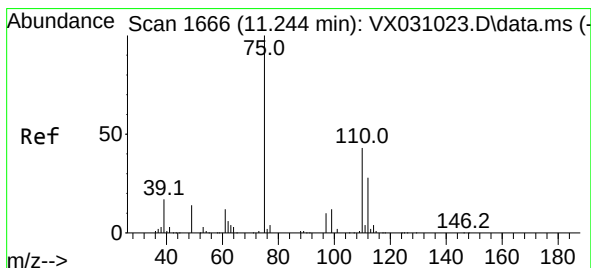
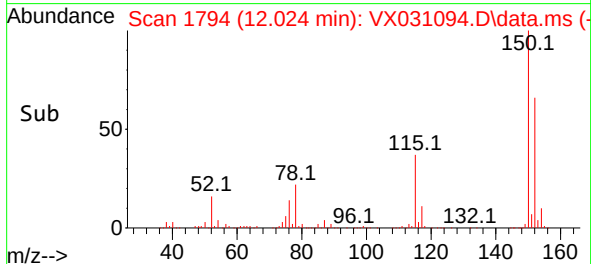
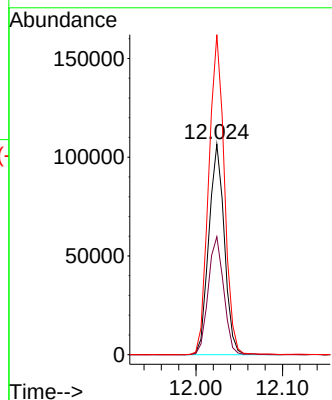
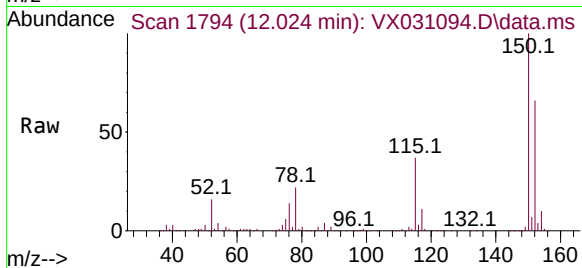




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031094.D
 Acq: 03 Sep 2022 19:47

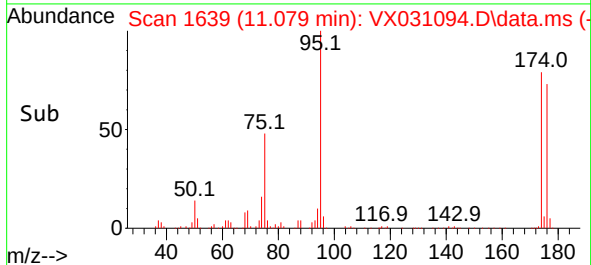
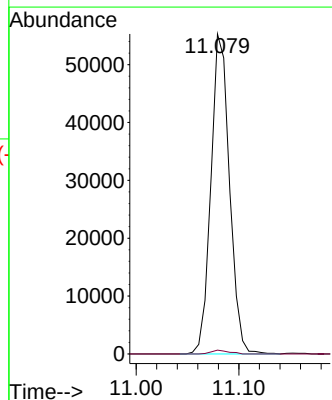
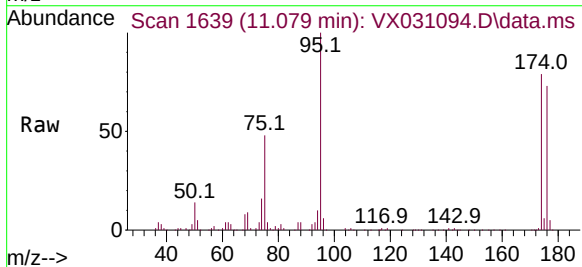
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20220823

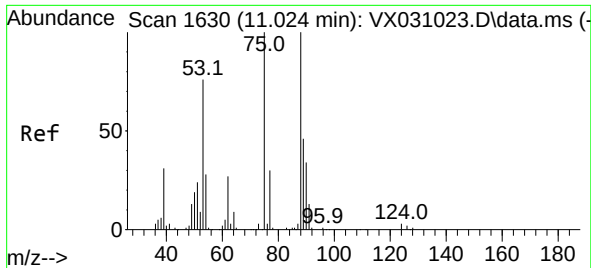
Tgt Ion:152 Resp: 132599
 Ion Ratio Lower Upper
 152 100
 115 55.9 40.5 121.5
 150 153.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 22.194 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031094.D
 Acq: 03 Sep 2022 19:47

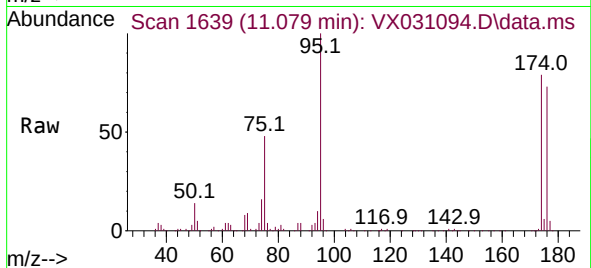
Tgt Ion: 75 Resp: 69569
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.751 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031094.D
 Acq: 03 Sep 2022 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20220823



Tgt Ion: 75 Resp: 69569
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

