

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034489.D
 Acq On : 15 Mar 2023 07:24
 Operator : JC/MD
 Sample : 01903-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D3-20230310

Quant Time: Mar 15 08:27:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

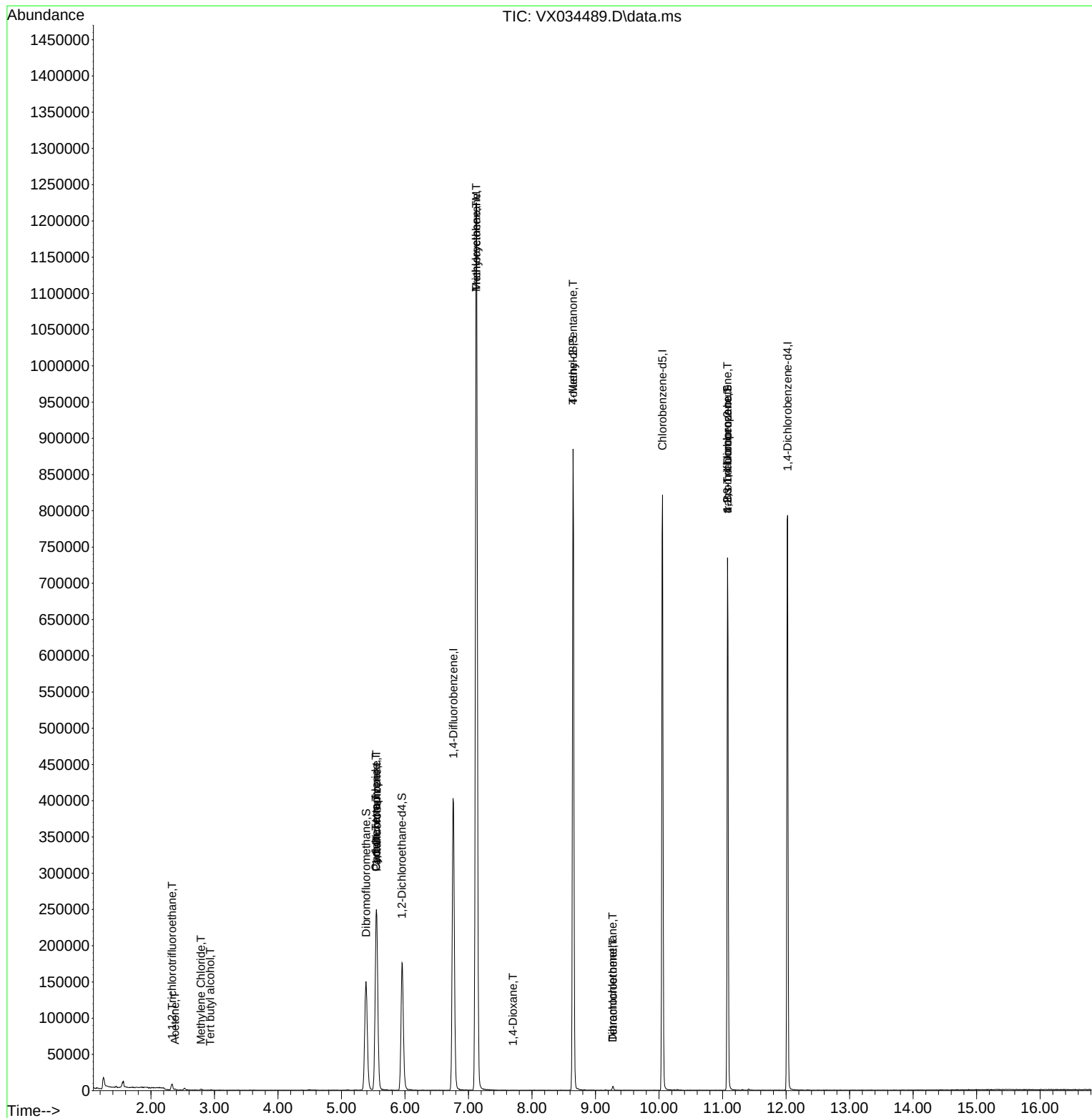
Internal Standards						
1) Pentafluorobenzene	5.556	168	242352	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	410944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	364137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161521	45.812	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.620%
35) Dibromofluoromethane	5.385	113	130557	48.118	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.240%
50) Toluene-d8	8.647	98	496532	49.022	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.040%
62) 4-Bromofluorobenzene	11.079	95	188197	46.000	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	796	Below Cal	#	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	3008	1.117	ug/l #	91
11) Tert butyl alcohol	2.934	59	328	0.447	ug/l #	73
16) Acetone	2.380	43	1313	0.791	ug/l	95
20) Methylene Chloride	2.788	84	693	0.215	ug/l #	95
31) Cyclohexane	5.544	56	5879	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19249	4.619	ug/l #	50
38) Carbon Tetrachloride	5.544	117	24391	5.883	ug/l #	16
39) Methylcyclohexane	7.123	83	5511	1.105	ug/l #	1
44) Trichloroethene	7.123	130	469947	148.362	ug/l	98
49) 1,4-Dioxane	7.702	88	25	0.321	ug/l #	23
51) 4-Methyl-2-Pentanone	8.647	43	2548	0.569	ug/l #	1
60) Dibromochloromethane	9.269	129	856	0.272	ug/l #	10
64) Tetrachloroethene	9.275	164	897	0.367	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	97804	25.928	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	97804	70.143	ug/l #	8

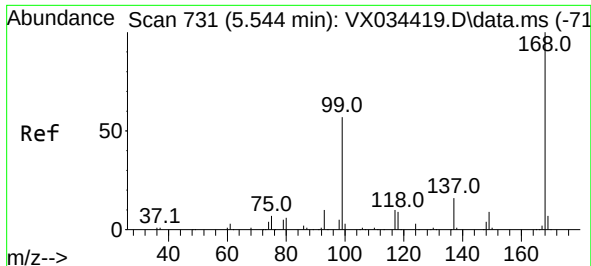
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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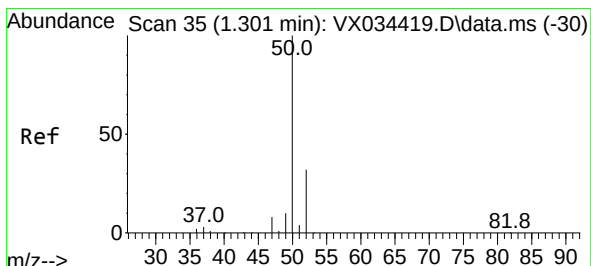
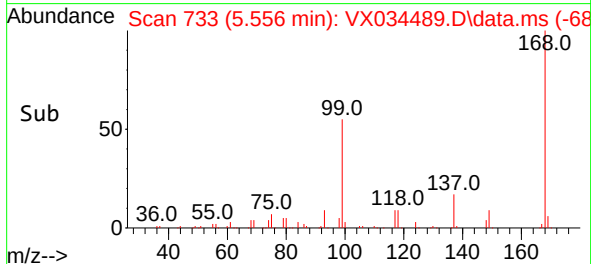
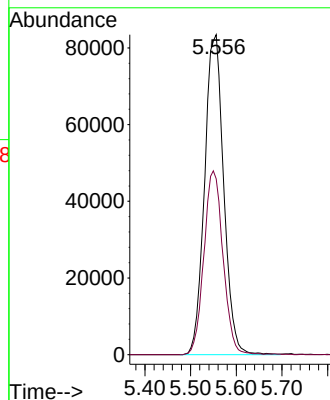
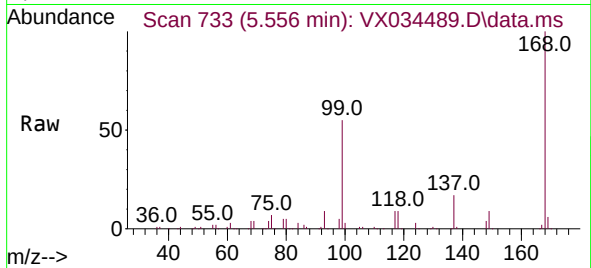




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

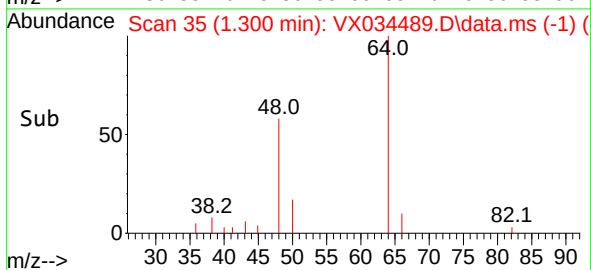
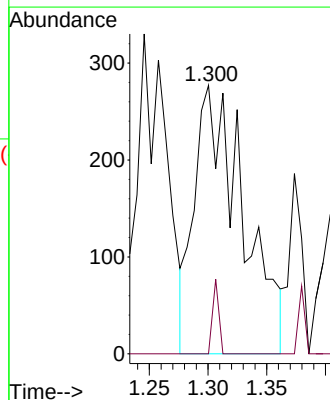
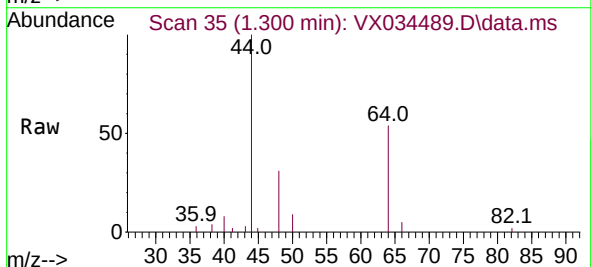
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20230310

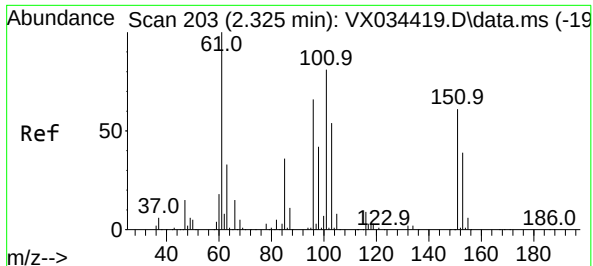
Tgt Ion:168 Resp: 242352
Ion Ratio Lower Upper
168 100
99 54.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Tgt Ion: 50 Resp: 796
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

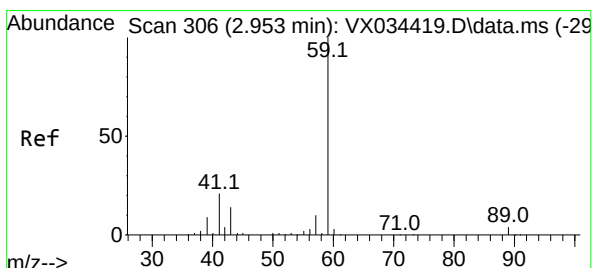
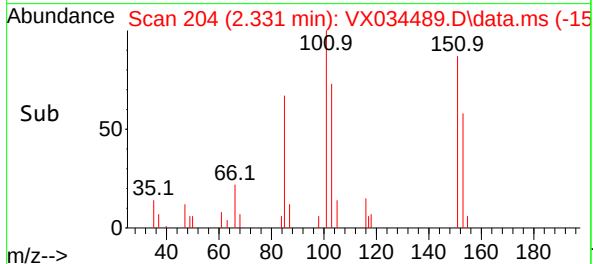
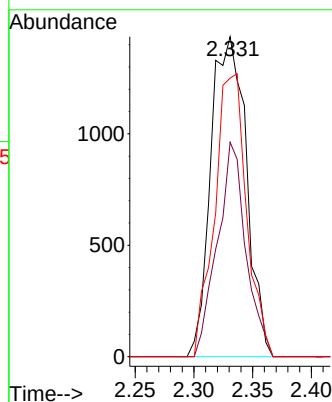
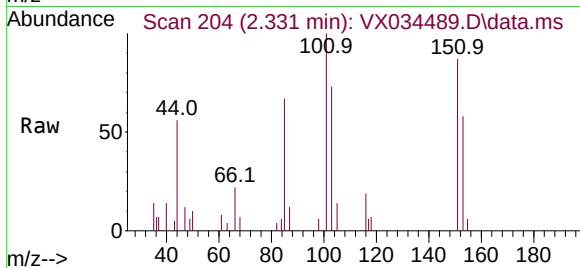




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.117 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

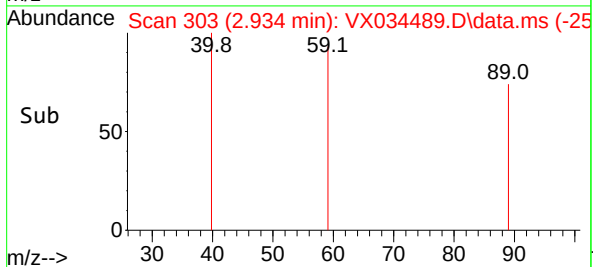
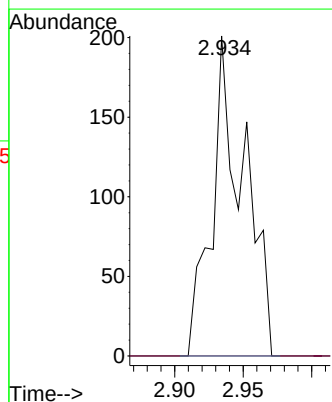
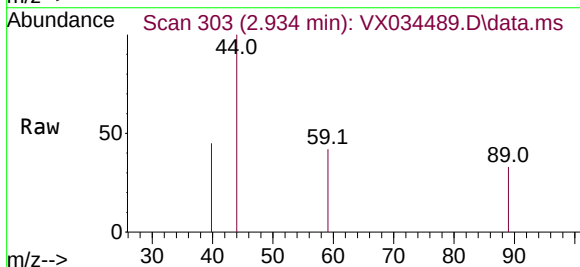
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20230310

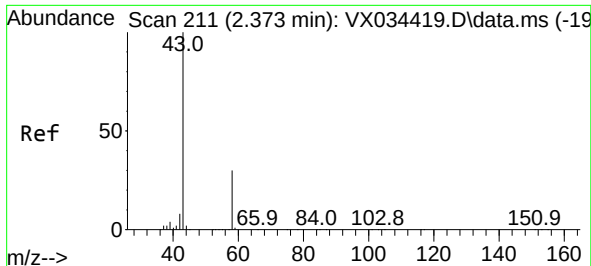
Tgt Ion:101 Resp: 3008
Ion Ratio Lower Upper
101 100
85 54.1 35.4 53.2#
151 80.1 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.447 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.018 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

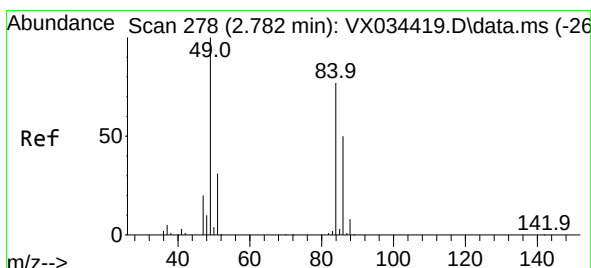
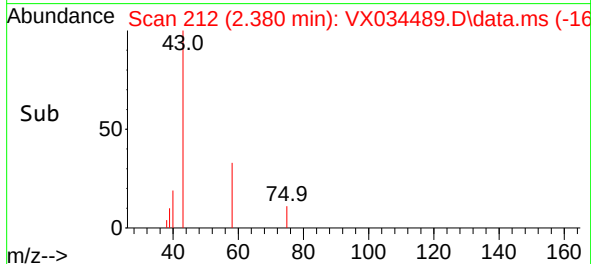
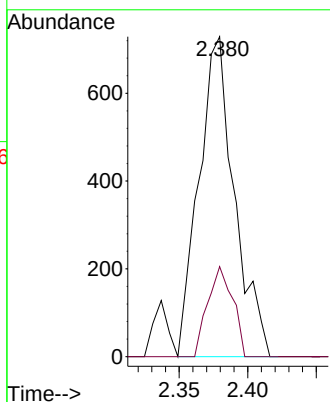
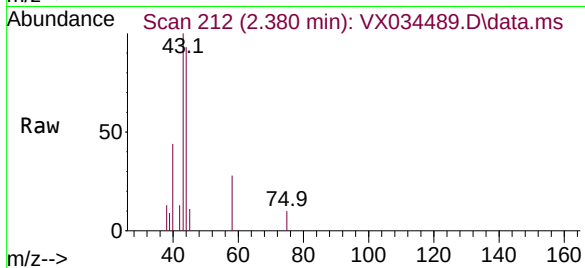




#16
Acetone
Concen: 0.791 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

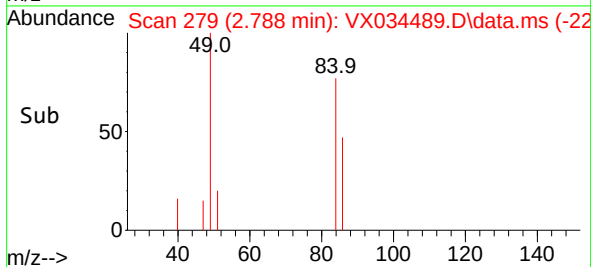
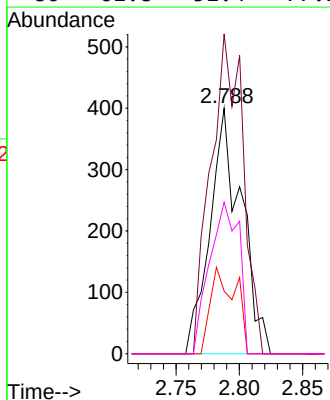
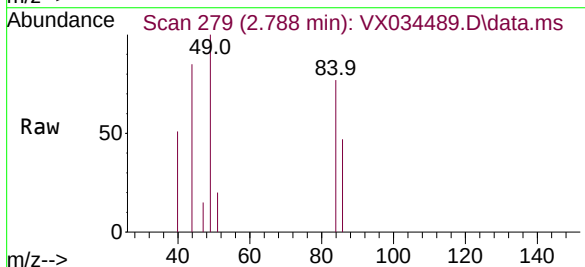
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20230310

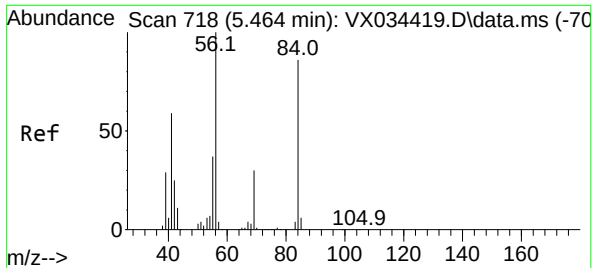
Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
58 28.1 24.7 37.1



#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

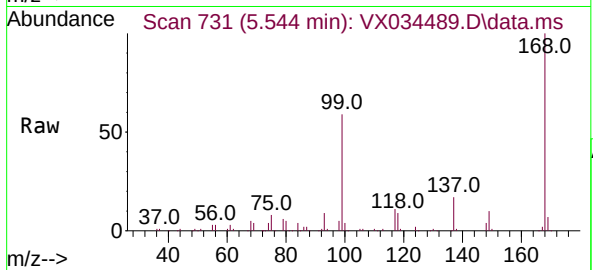
Tgt Ion: 84 Resp: 693
Ion Ratio Lower Upper
84 100
49 130.3 103.8 155.8
51 25.5 31.8 47.8#
86 61.8 51.4 77.2



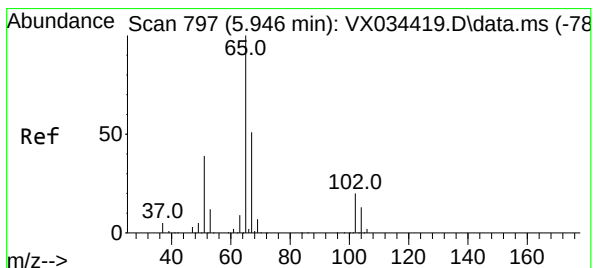
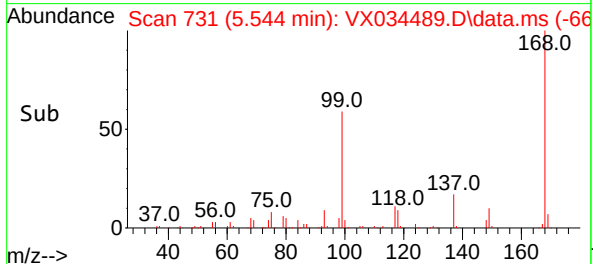
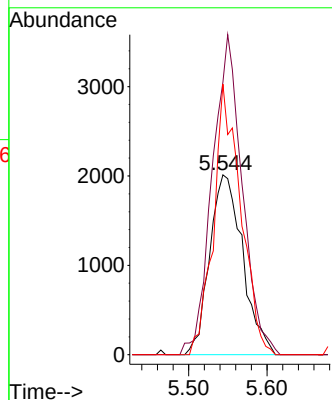


#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20230310

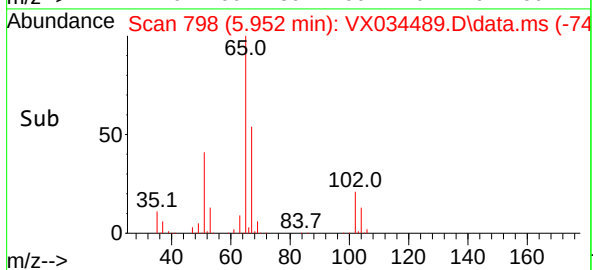
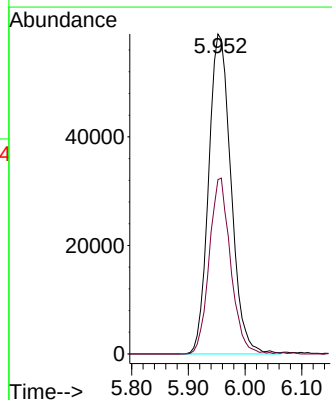
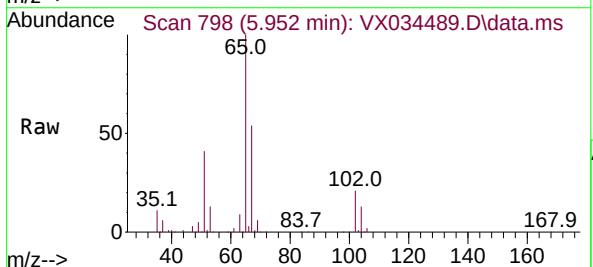


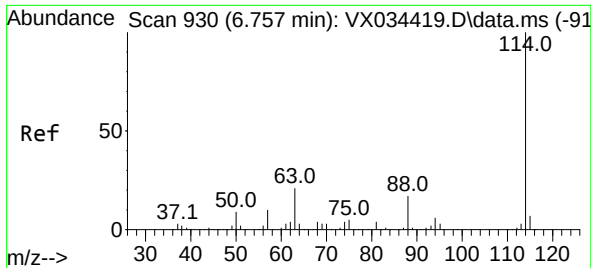
Tgt Ion: 56 Resp: 5879
Ion Ratio Lower Upper
56 100
69 151.5 23.7 35.5#
84 150.4 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 45.812 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Tgt Ion: 65 Resp: 161521
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.0

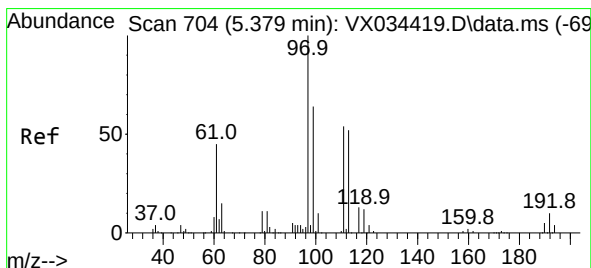
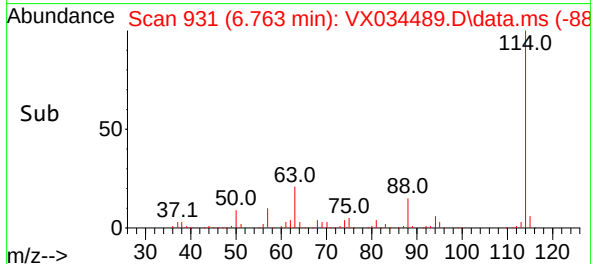
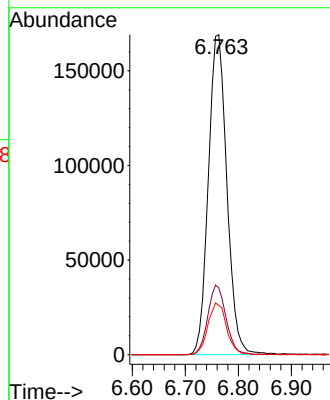
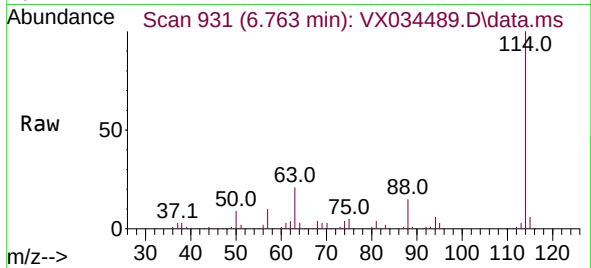




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

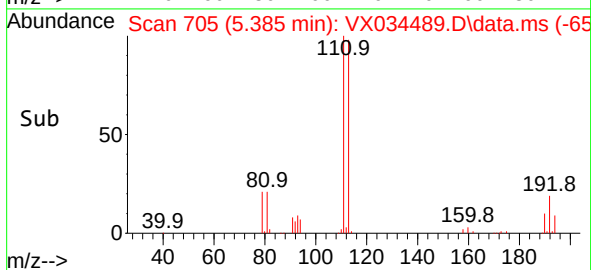
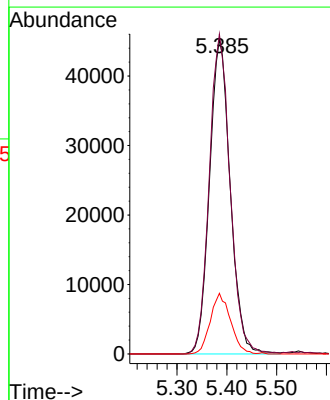
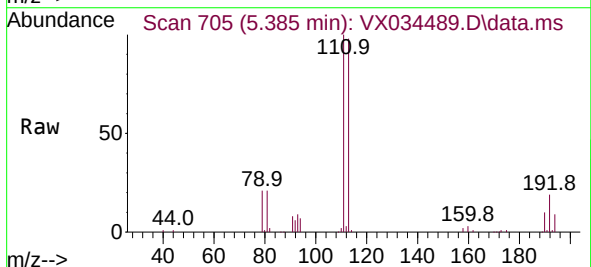
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20230310

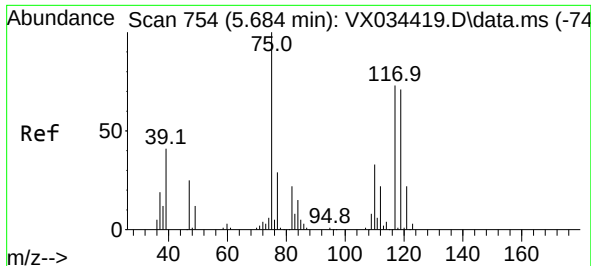
Tgt Ion:114 Resp: 410944
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.2
88 15.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.118 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Tgt Ion:113 Resp: 130557
Ion Ratio Lower Upper
113 100
111 102.4 83.7 125.5
192 18.8 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX034489.D

Acq: 15 Mar 2023 07:24

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20230310

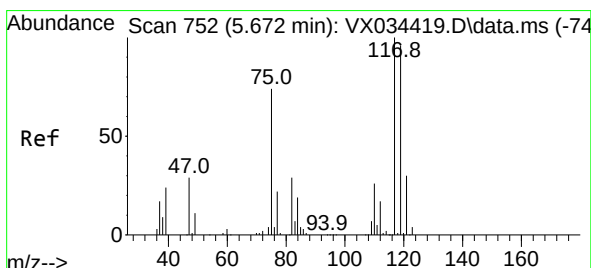
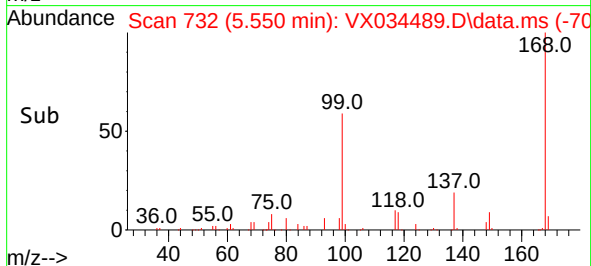
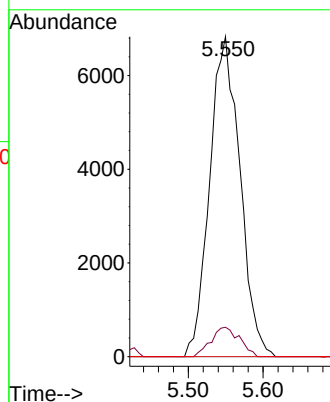
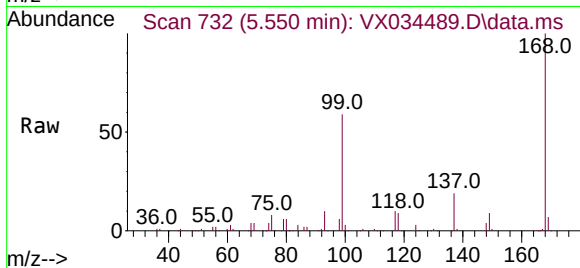
Tgt Ion: 75 Resp: 19249

Ion Ratio Lower Upper

75 100

110 8.7 17.5 52.5#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.883 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX034489.D

Acq: 15 Mar 2023 07:24

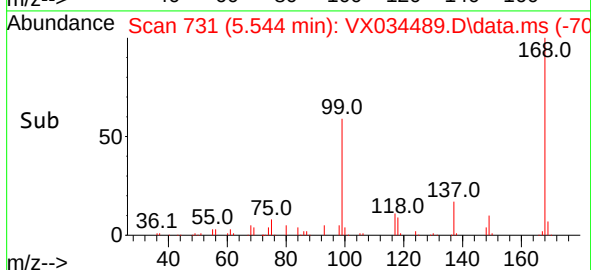
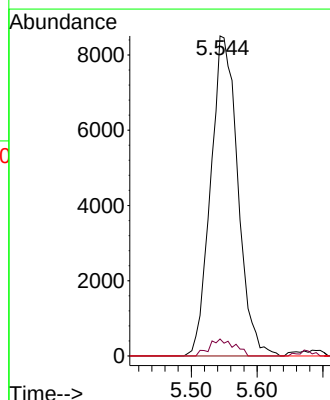
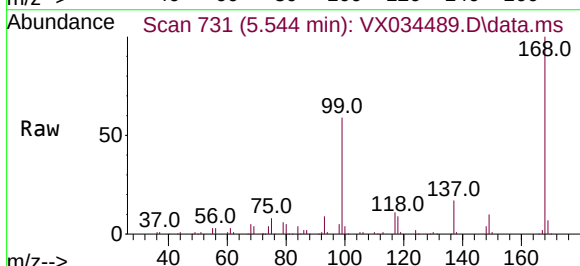
Tgt Ion: 117 Resp: 24391

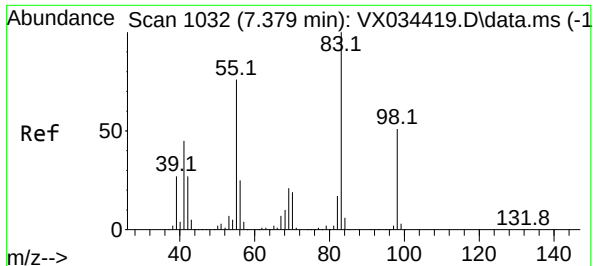
Ion Ratio Lower Upper

117 100

119 5.3 76.6 114.8#

121 0.0 23.8 35.6#





#39

Methylcyclohexane

Concen: 1.105 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.256 min

Lab File: VX034489.D

Acq: 15 Mar 2023 07:24

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20230310

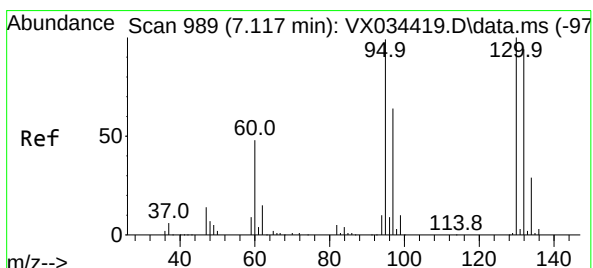
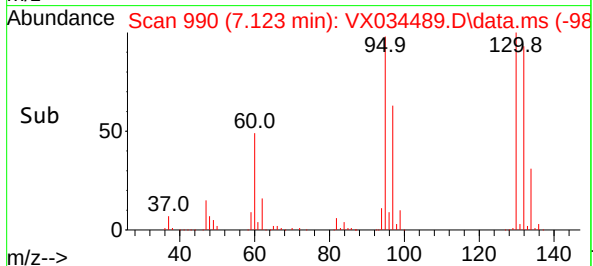
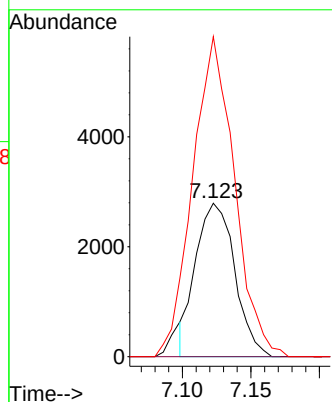
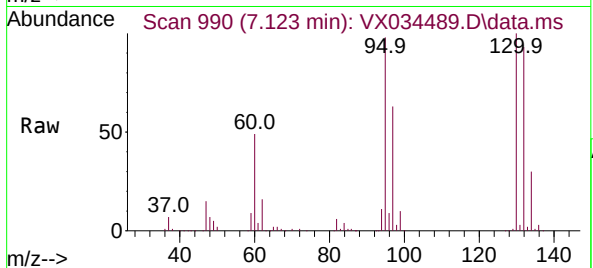
Tgt Ion: 83 Resp: 5511

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 203.9 40.4 60.6#



#44

Trichloroethene

Concen: 148.362 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX034489.D

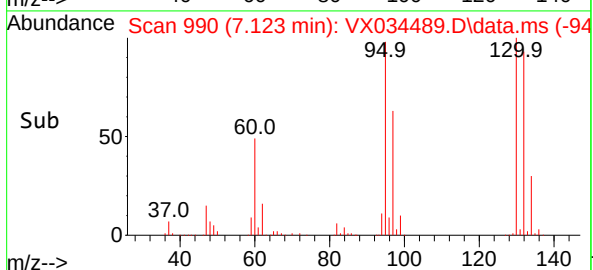
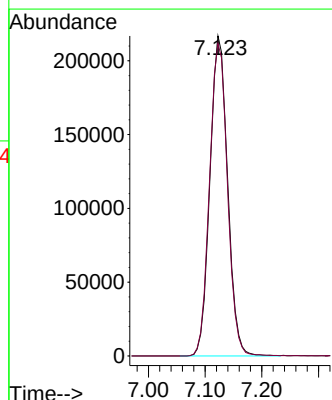
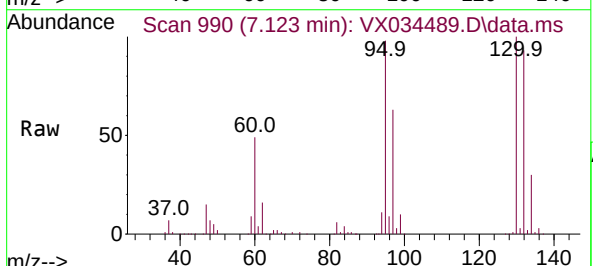
Acq: 15 Mar 2023 07:24

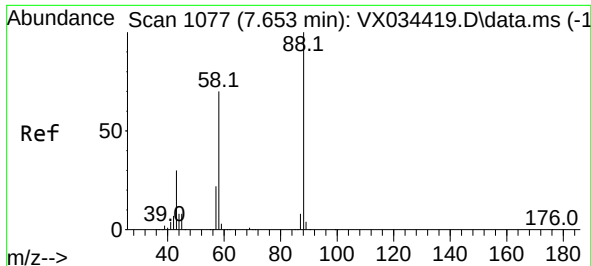
Tgt Ion:130 Resp: 469947

Ion Ratio Lower Upper

130 100

95 97.7 0.0 198.4





#49

1,4-Dioxane

Concen: 0.321 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.049 min

Lab File: VX034489.D

Acq: 15 Mar 2023 07:24

Instrument :

MSVOA_X

ClientSampleId :

RE103D3-20230310

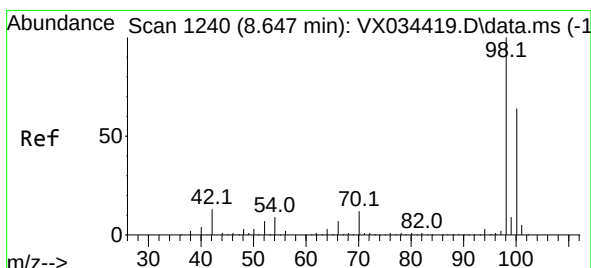
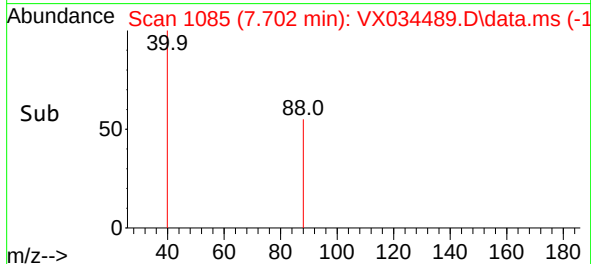
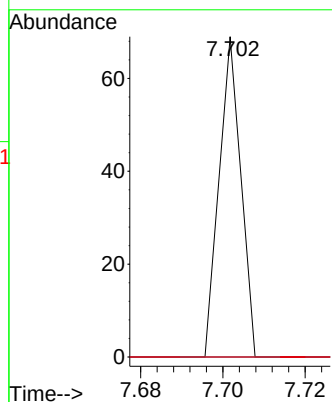
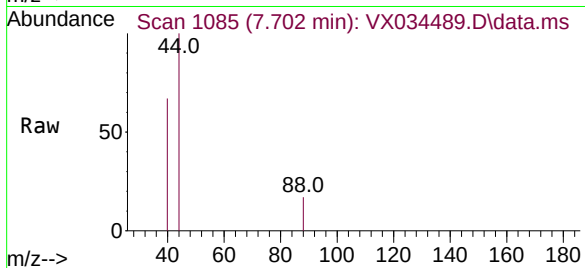
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 49.022 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034489.D

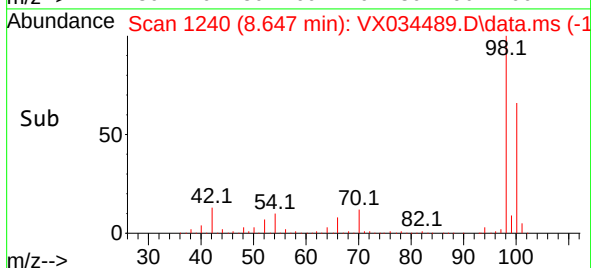
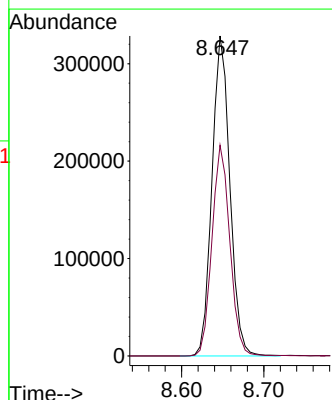
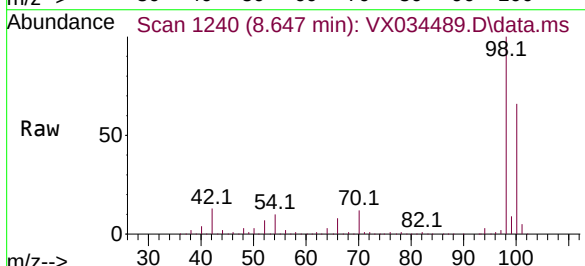
Acq: 15 Mar 2023 07:24

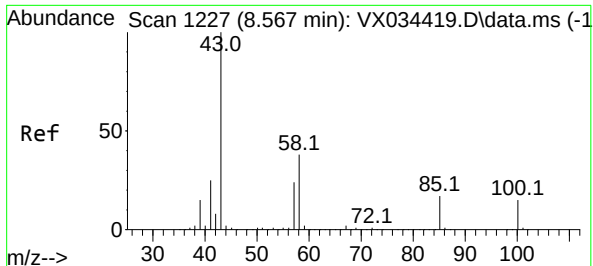
Tgt Ion: 98 Resp: 496532

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7

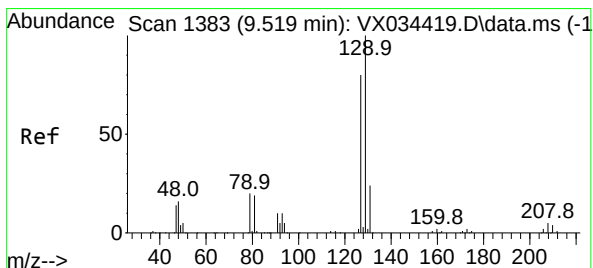
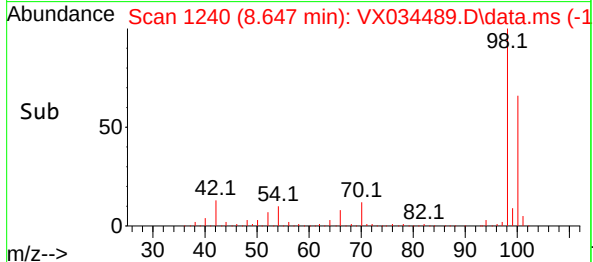
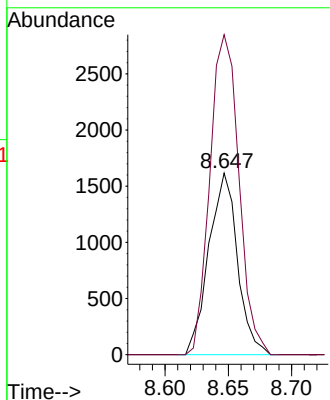
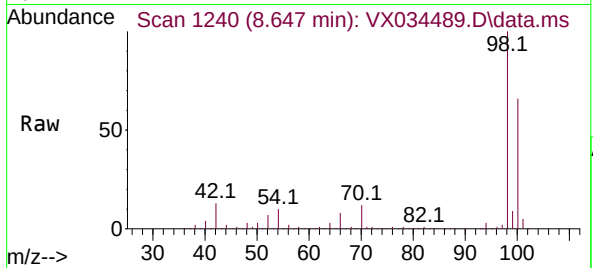




#51
4-Methyl-2-Pentanone
Concen: 0.569 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

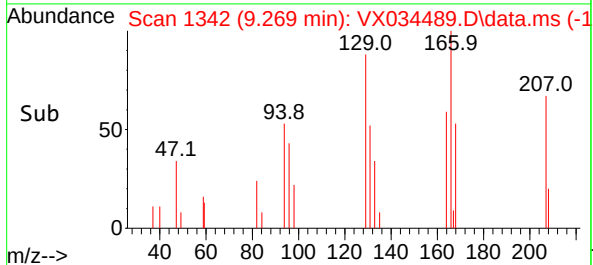
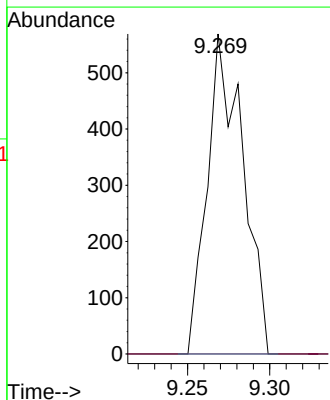
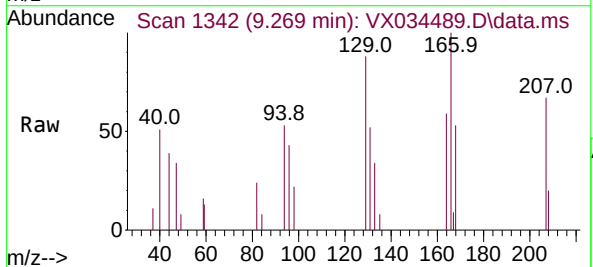
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20230310

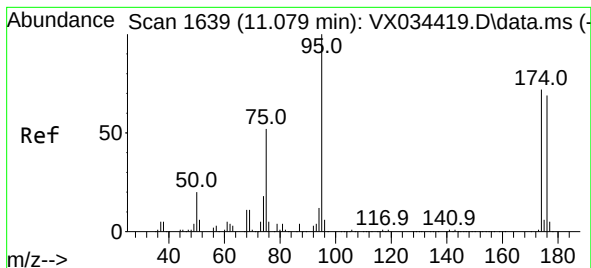
Tgt Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
58 178.4 30.6 46.0#



#60
Dibromochloromethane
Concen: 0.272 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Tgt Ion: 129 Resp: 856
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

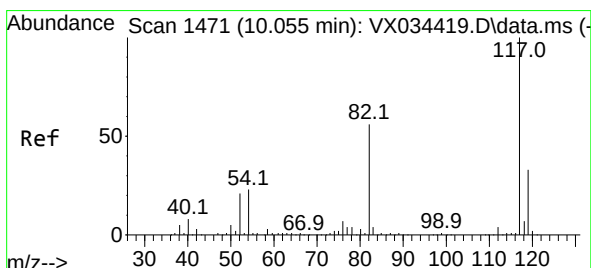
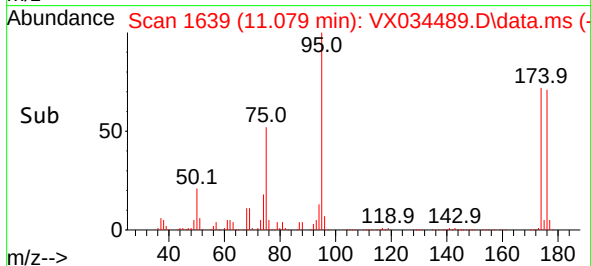
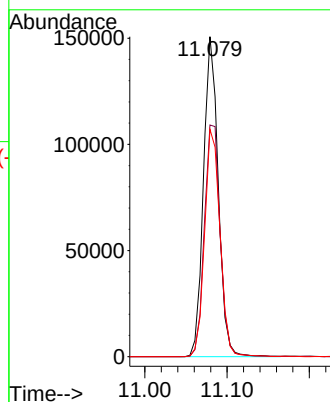
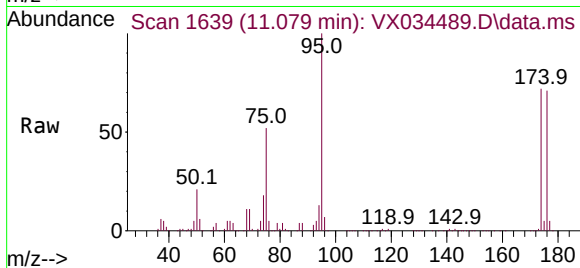




#62
4-Bromofluorobenzene
Concen: 46.000 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

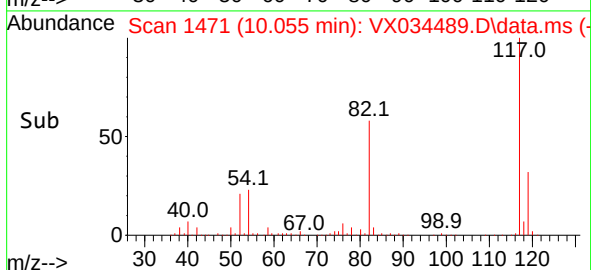
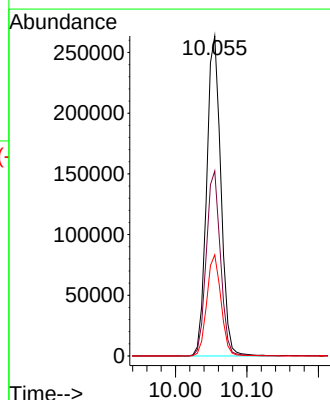
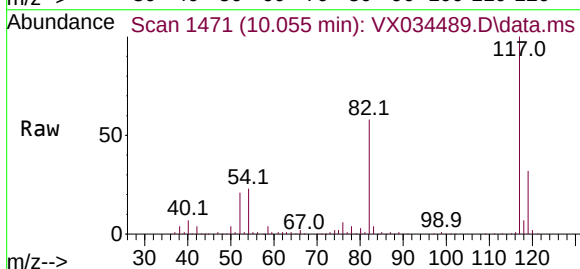
Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20230310

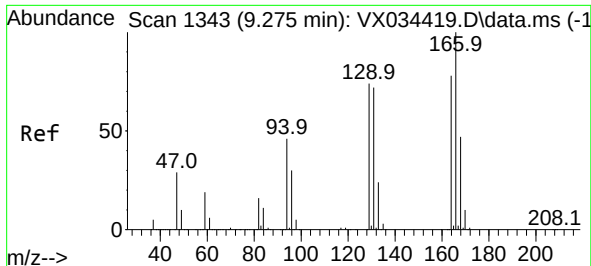
Tgt Ion: 95 Resp: 188197
Ion Ratio Lower Upper
95 100
174 77.5 0.0 147.4
176 74.1 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

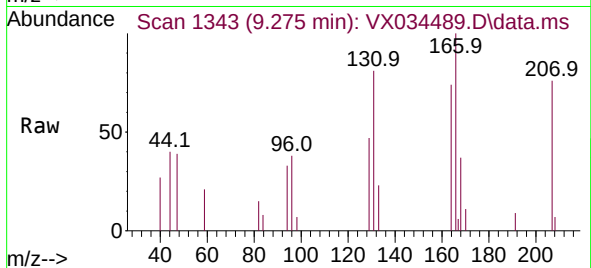
Tgt Ion: 117 Resp: 364137
Ion Ratio Lower Upper
117 100
82 57.8 45.0 67.4
119 31.6 26.0 39.0



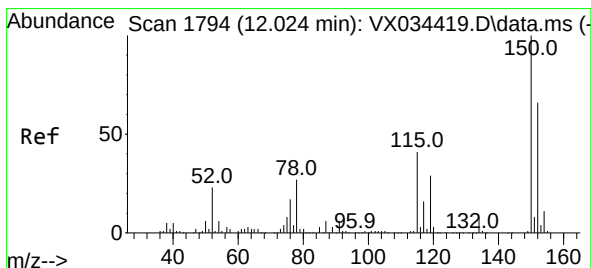
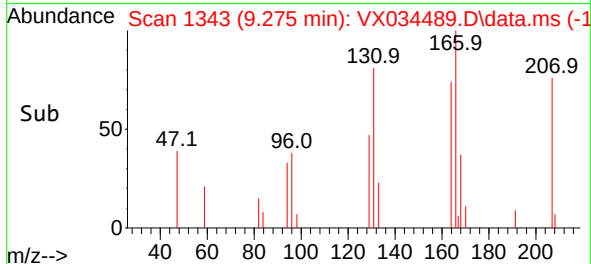
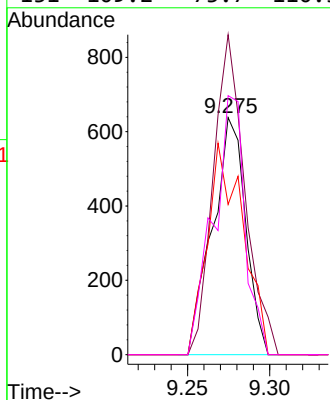


#64
Tetrachloroethene
Concen: 0.367 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20230310

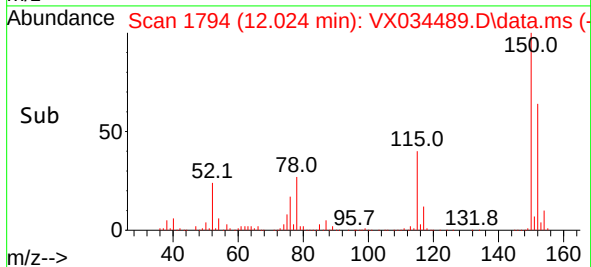
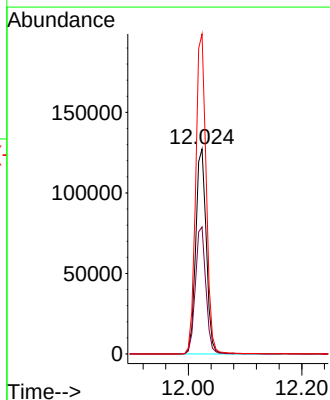
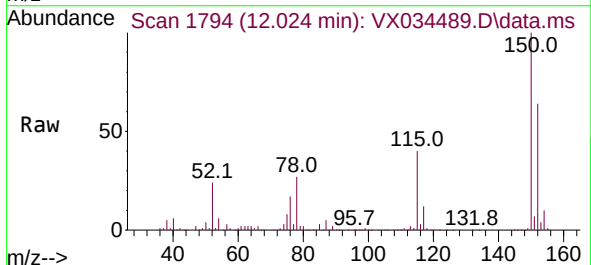


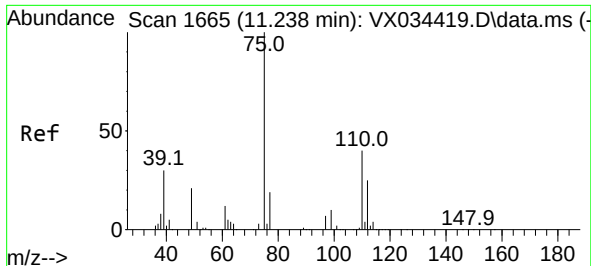
Tgt Ion:164 Resp: 897
Ion Ratio Lower Upper
164 100
166 135.0 102.7 154.1
129 63.3 75.6 113.4#
131 109.2 73.7 110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Tgt Ion:152 Resp: 164284
Ion Ratio Lower Upper
152 100
115 61.8 45.0 135.0
150 155.3 0.0 352.4

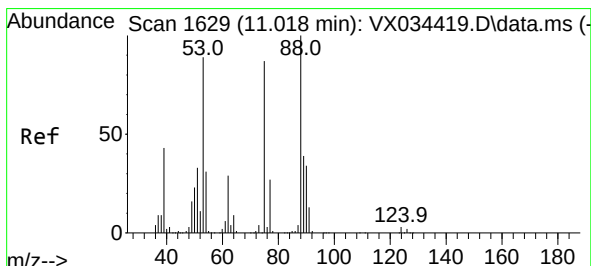
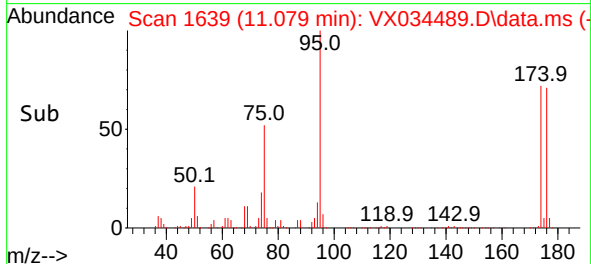
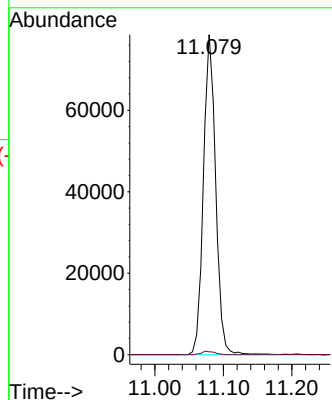
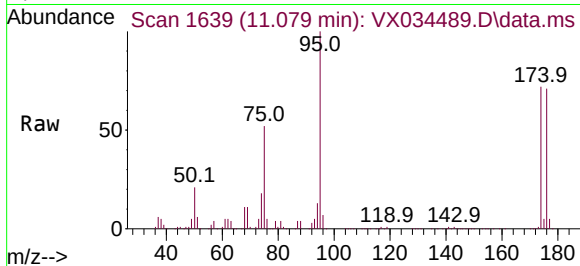




#76
1,2,3-Trichloropropane
Concen: 25.928 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Instrument :
MSVOA_X
ClientSampleId :
RE103D3-20230310

Tgt Ion: 75 Resp: 97804
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.143 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034489.D
Acq: 15 Mar 2023 07:24

Tgt Ion: 75 Resp: 97804
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

