

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034468.D
 Acq On : 14 Mar 2023 16:30
 Operator : JC/MD
 Sample : 01880-11DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20230310DL

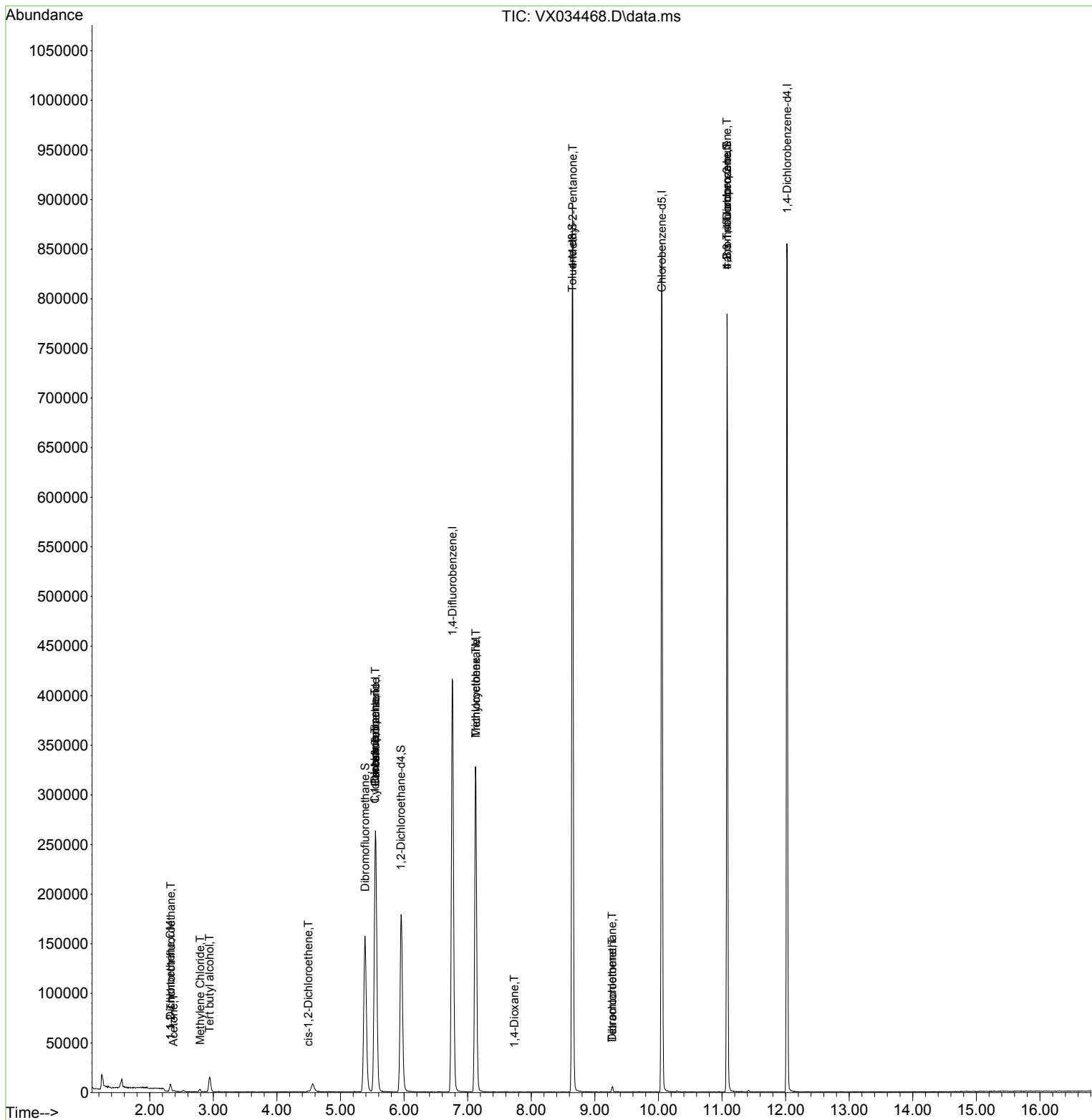
Quant Time: Mar 15 06:49:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	251263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	427399	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	166700	45.604	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.200%		
35) Dibromofluoromethane	5.385	113	134799	47.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	8.647	98	518220	49.194	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.380%		
62) 4-Bromofluorobenzene	11.079	95	200206	47.051	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.100%		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	594	Below Cal		93
9) 1,1,2-Trichlorotrifluo...	2.331	101	2054	0.735 ug/l #		87
11) Tert butyl alcohol	2.941	59	9350	12.283 ug/l #		73
12) 1,1-Dichloroethene	2.325	96	1140	0.414 ug/l #		74
16) Acetone	2.374	43	1101	0.639 ug/l #		76
20) Methylene Chloride	2.794	84	1160	0.347 ug/l #		73
27) cis-1,2-Dichloroethene	4.495	96	804	0.229 ug/l		68
31) Cyclohexane	5.544	56	5466	1.066 ug/l #		1
36) 1,1-Dichloropropene	5.544	75	19915	4.595 ug/l #		51
38) Carbon Tetrachloride	5.550	117	24598	5.705 ug/l #		16
39) Methylcyclohexane	7.129	83	1297	0.250 ug/l #		1
44) Trichloroethene	7.129	130	125171	37.995 ug/l		92
49) 1,4-Dioxane	7.732	88	28	0.346 ug/l #		21
51) 4-Methyl-2-Pentanone	8.653	43	2594	0.557 ug/l #		1
60) Dibromochloromethane	9.275	129	940	0.288 ug/l #		10
64) Tetrachloroethene	9.275	164	864	0.333 ug/l #		83
76) 1,2,3-Trichloropropane	11.079	75	103511	25.863 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	103511	69.967 ug/l #		8

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

Quant Time: Mar 15 06:49:40 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

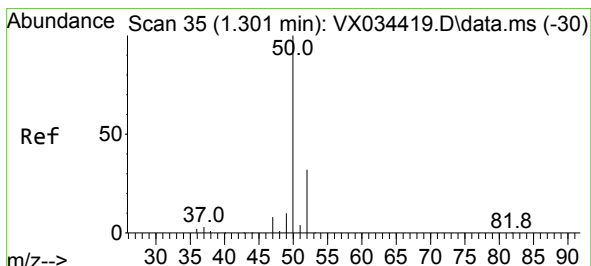
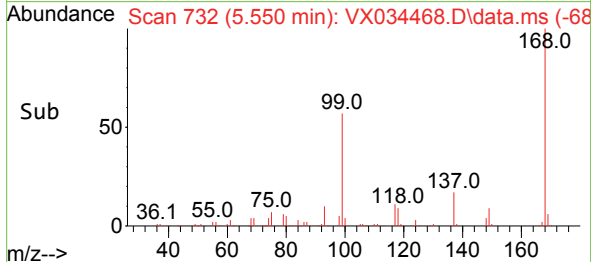
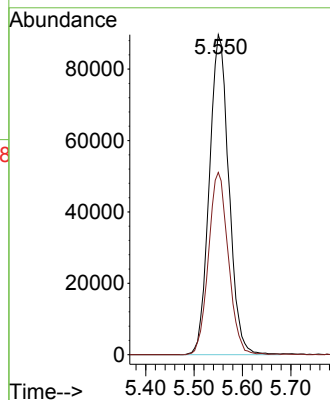
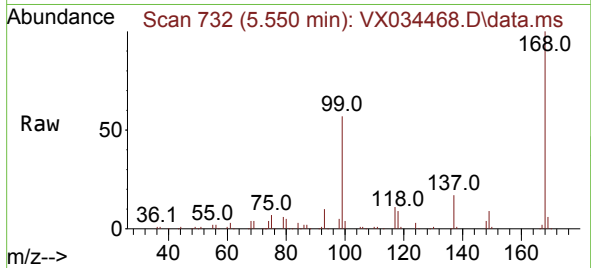




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

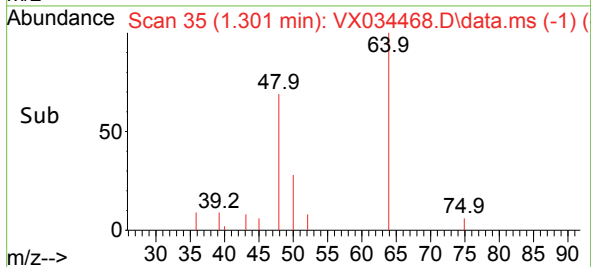
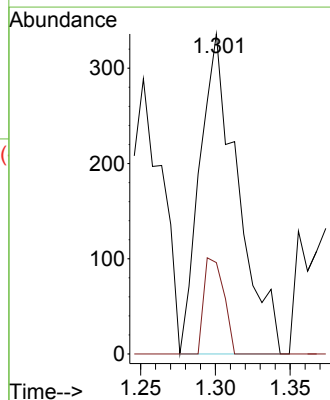
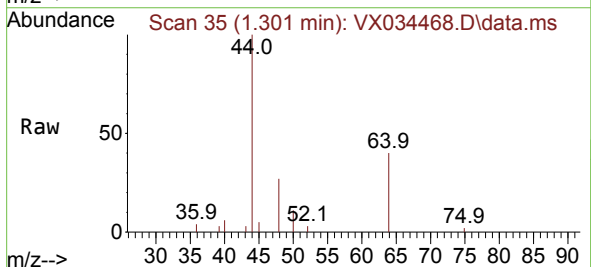
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230310DL

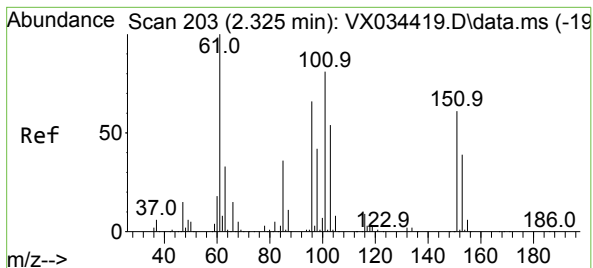
Tgt Ion:168 Resp: 251263
Ion Ratio Lower Upper
168 100
99 57.0 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 28.6 25.9 38.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.735 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX034468.D

Acq: 14 Mar 2023 16:30

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20230310DL

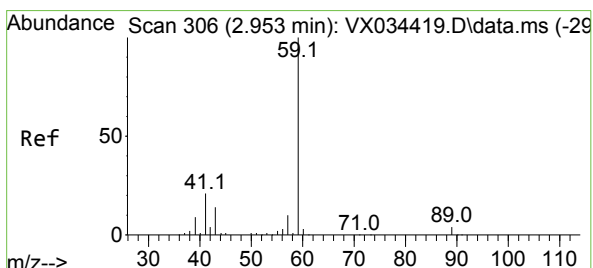
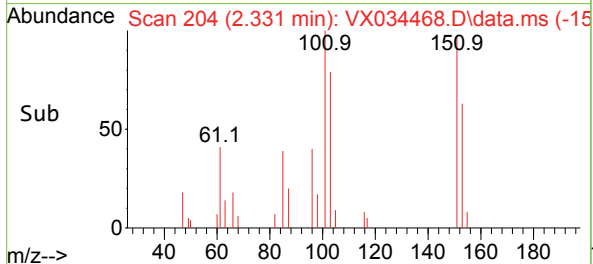
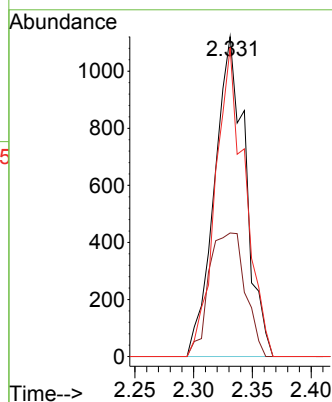
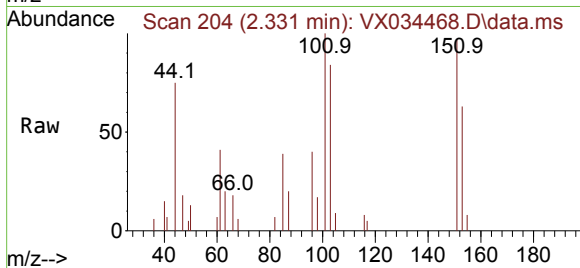
Tgt Ion:101 Resp: 2054

Ion Ratio Lower Upper

101 100

85 45.4 35.4 53.2

151 92.4 60.2 90.4#



#11

Tert butyl alcohol

Concen: 12.283 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.012 min

Lab File: VX034468.D

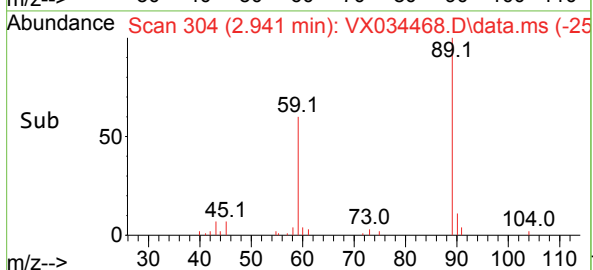
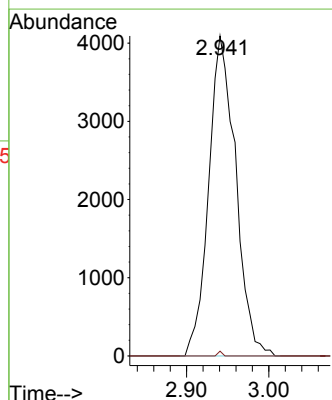
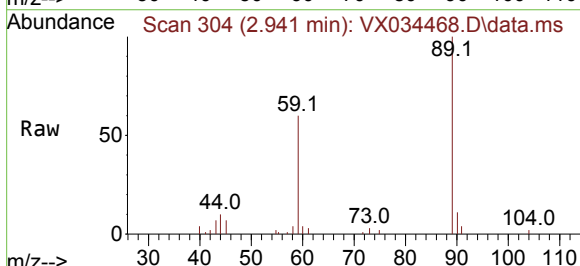
Acq: 14 Mar 2023 16:30

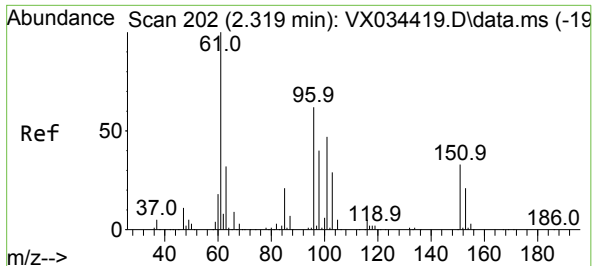
Tgt Ion: 59 Resp: 9350

Ion Ratio Lower Upper

59 100

57 0.2 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.414 ug/l

RT: 2.325 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX034468.D

Acq: 14 Mar 2023 16:30

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20230310DL

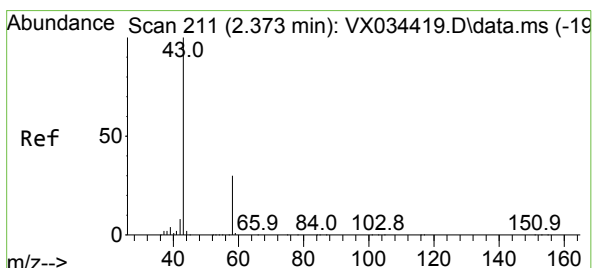
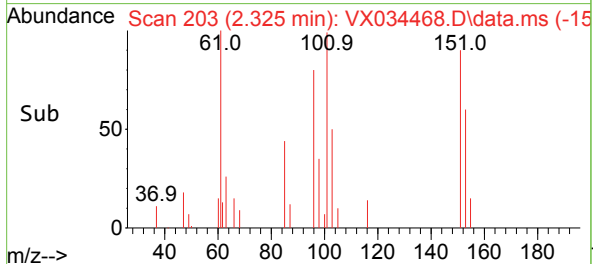
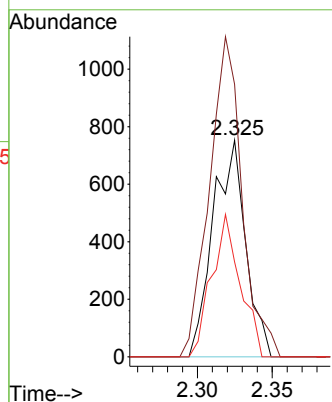
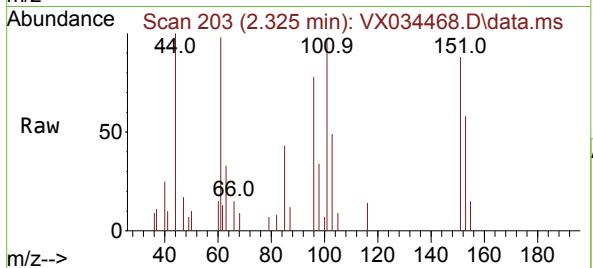
Tgt Ion: 96 Resp: 1140

Ion Ratio Lower Upper

96 100

61 125.8 128.8 193.2#

98 43.8 51.4 77.0#



#16

Acetone

Concen: 0.639 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX034468.D

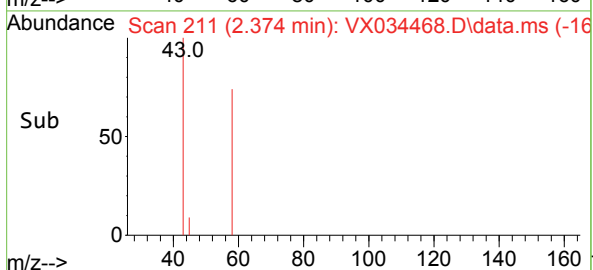
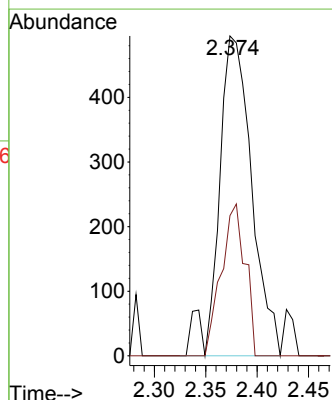
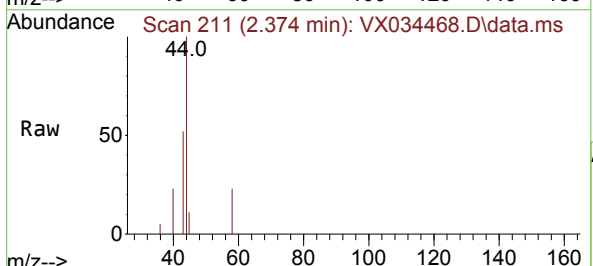
Acq: 14 Mar 2023 16:30

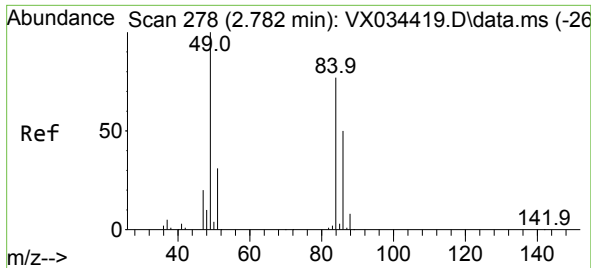
Tgt Ion: 43 Resp: 1101

Ion Ratio Lower Upper

43 100

58 43.8 24.7 37.1#

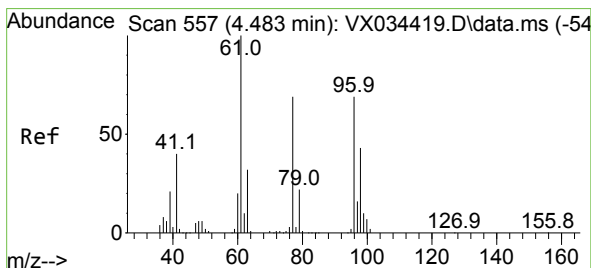
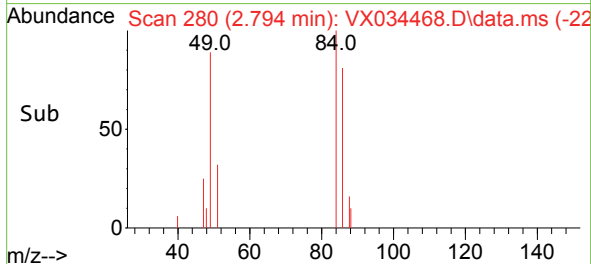
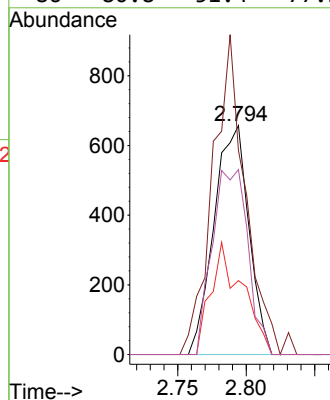
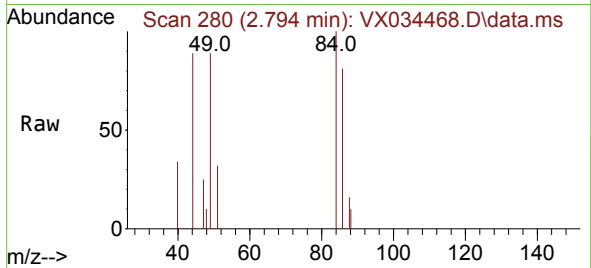




#20
Methylene Chloride
Concen: 0.347 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

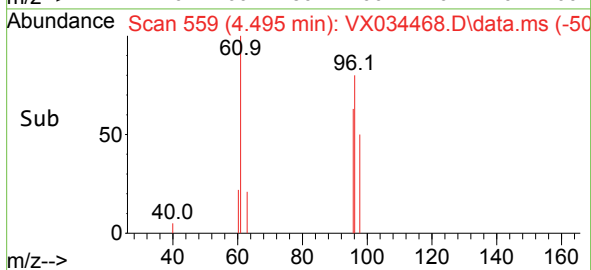
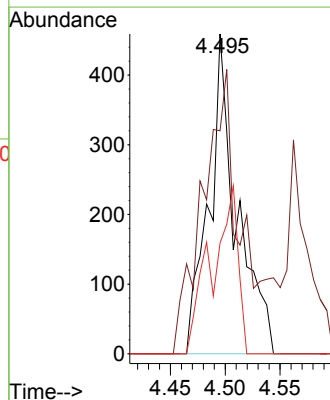
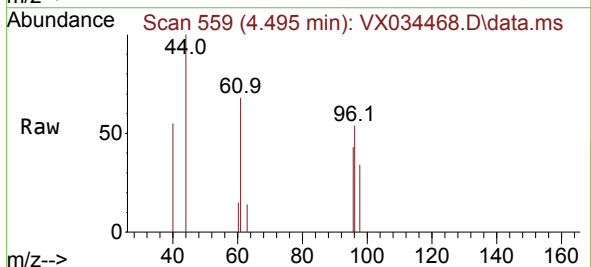
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230310DL

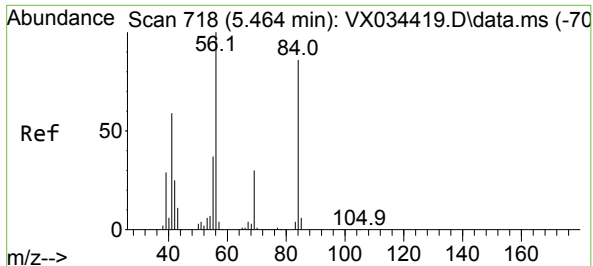
Tgt Ion: 84 Resp: 1160
Ion Ratio Lower Upper
84 100
49 89.2 103.8 155.8#
51 32.3 31.8 47.8
86 80.8 51.4 77.2#



#27
cis-1,2-Dichloroethene
Concen: 0.229 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion: 96 Resp: 804
Ion Ratio Lower Upper
96 100
61 115.7 0.0 300.4
98 31.6 0.0 129.0

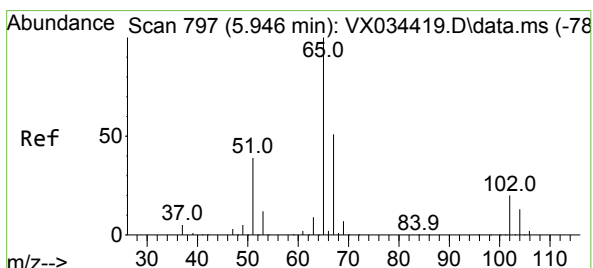
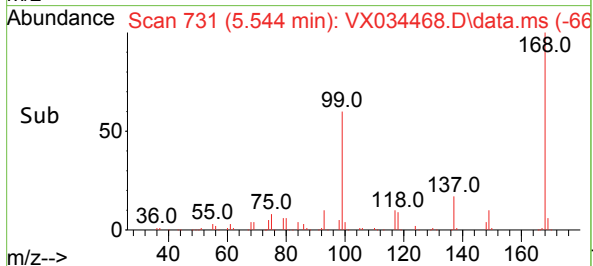
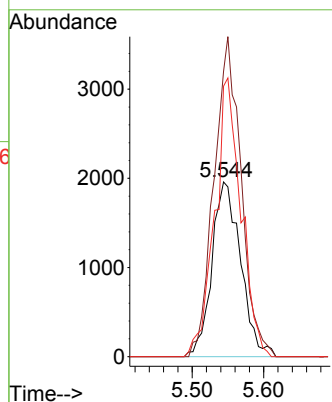
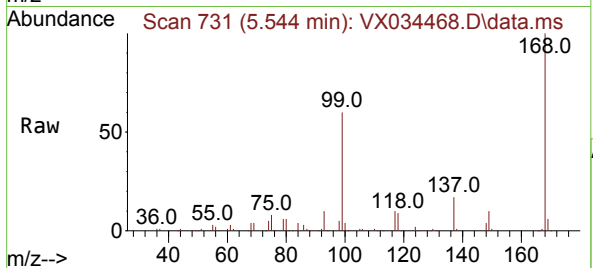




#31
Cyclohexane
Concen: 1.066 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

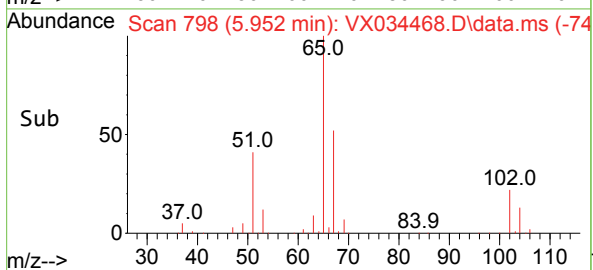
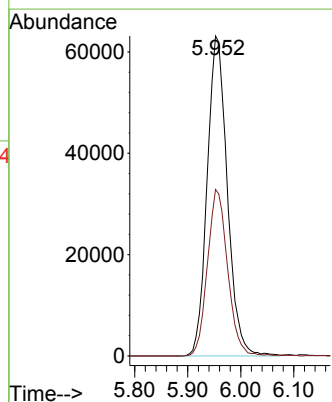
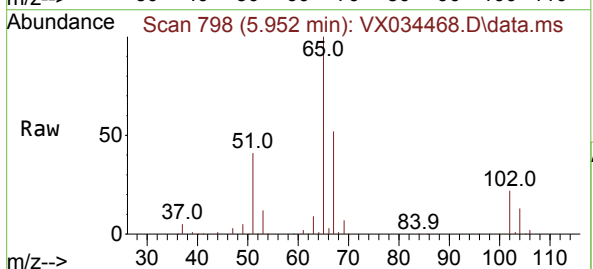
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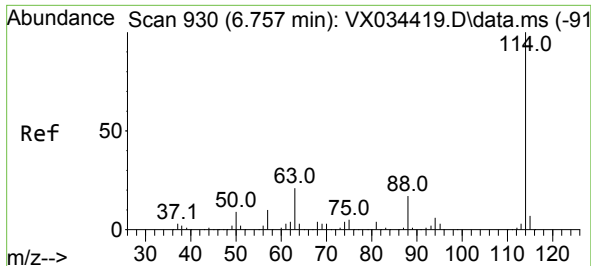
Tgt Ion: 56 Resp: 5466
Ion Ratio Lower Upper
56 100
69 163.3 23.7 35.5#
84 154.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 45.604 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion: 65 Resp: 166700
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0

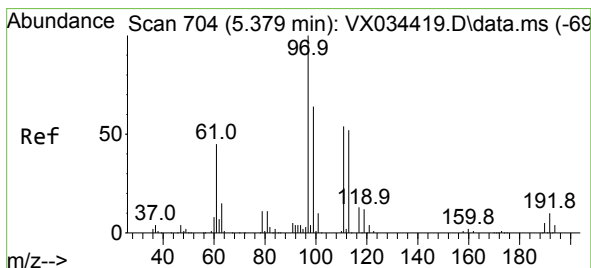
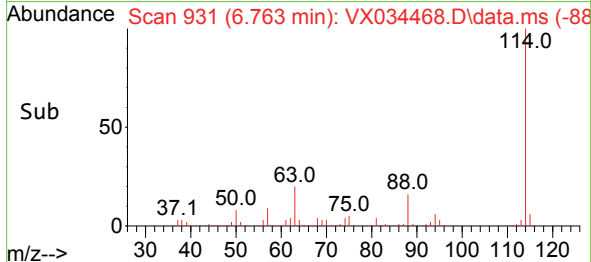
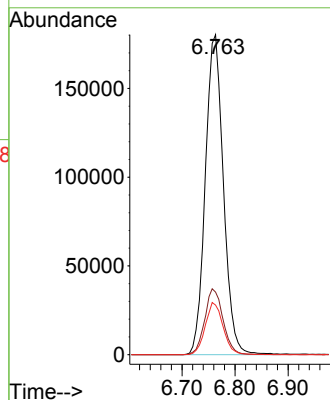
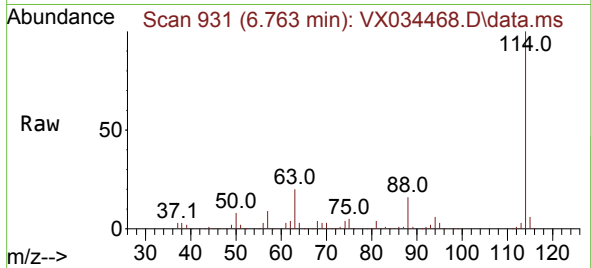




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

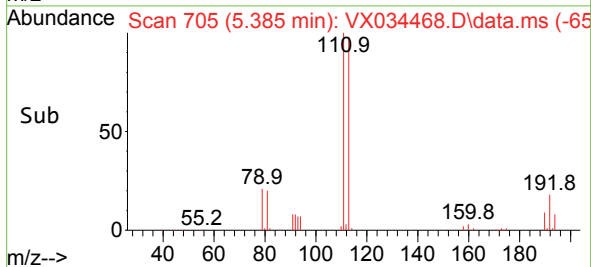
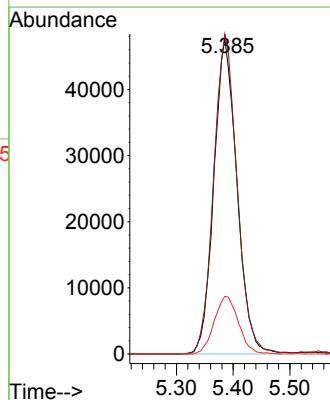
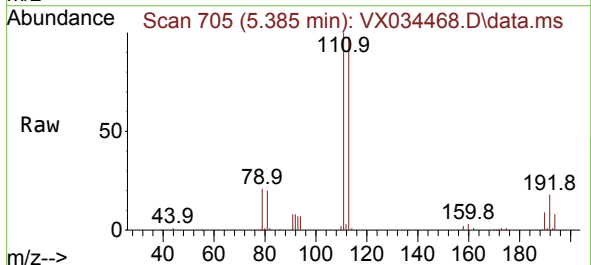
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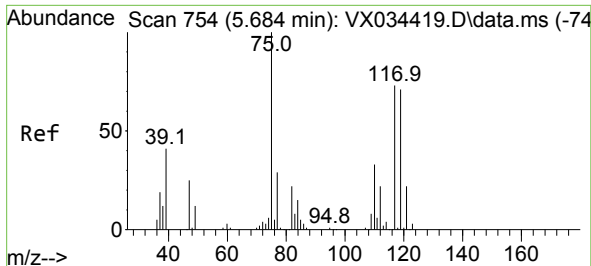
Tgt Ion:114 Resp: 427399
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.2
88 15.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.769 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion:113 Resp: 134799
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 19.2 15.4 23.2

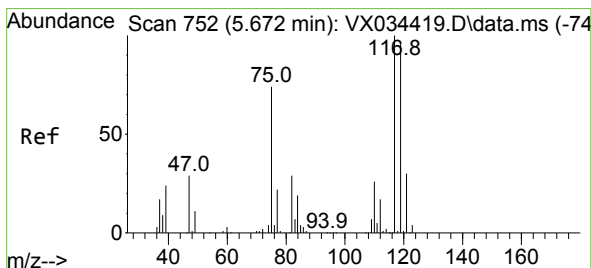
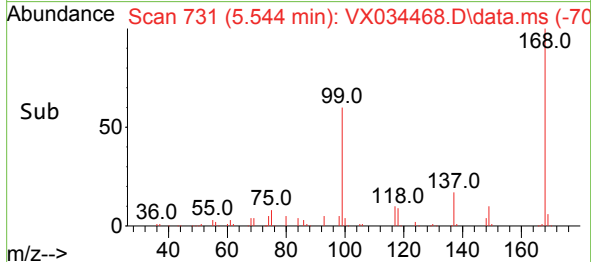
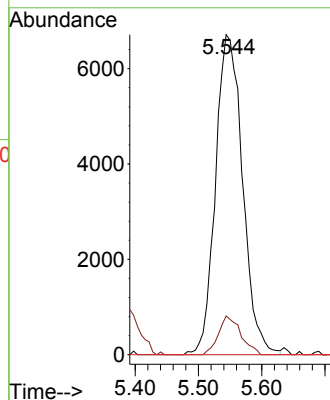
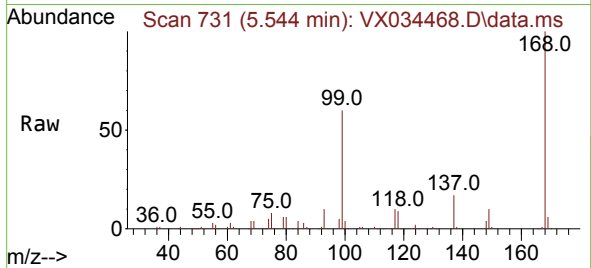




#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

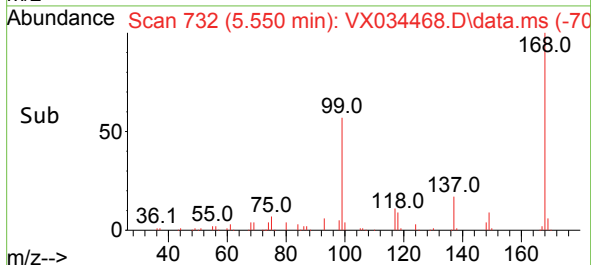
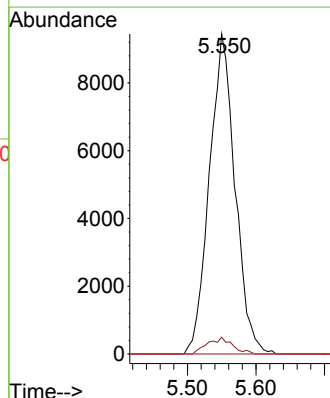
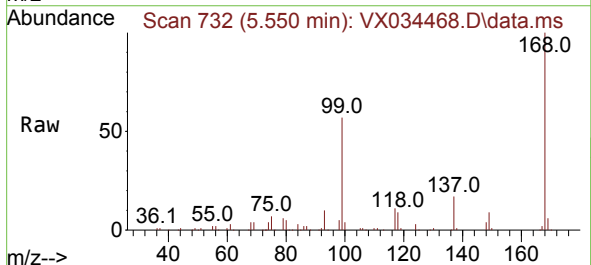
Instrument :
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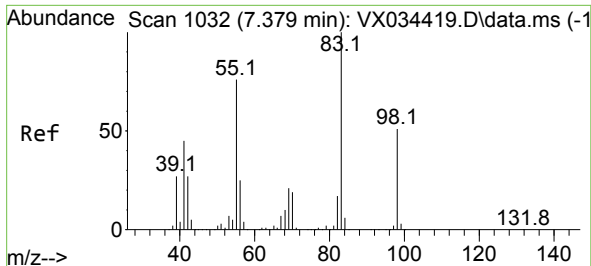
Tgt Ion: 75 Resp: 19915
Ion Ratio Lower Upper
75 100
110 10.0 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.705 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion: 117 Resp: 24598
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 23.8 35.6#

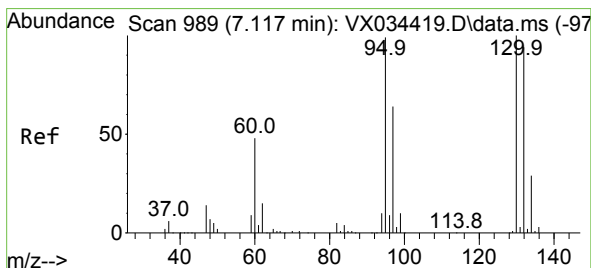
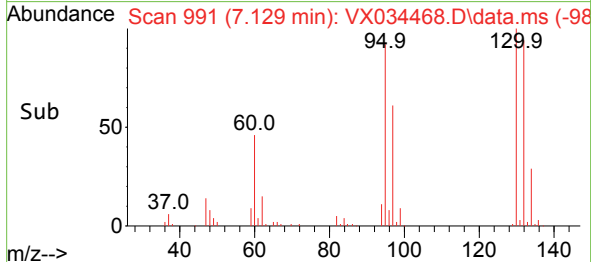
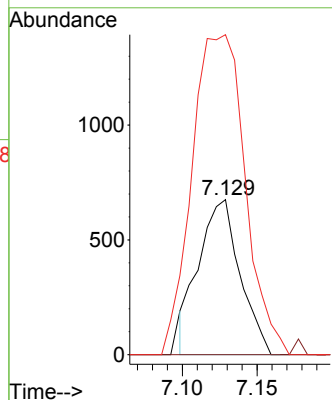
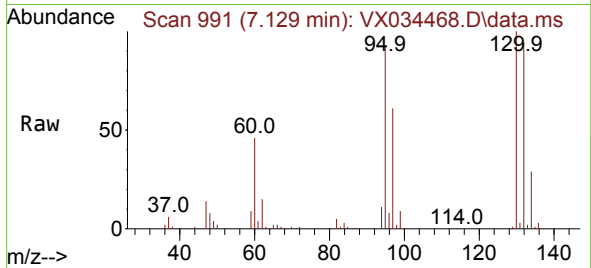




#39
Methylcyclohexane
Concen: 0.250 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

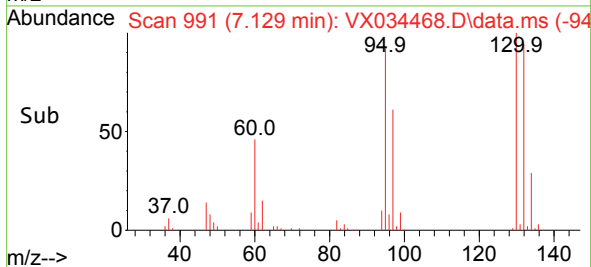
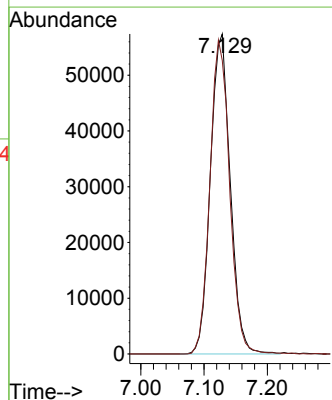
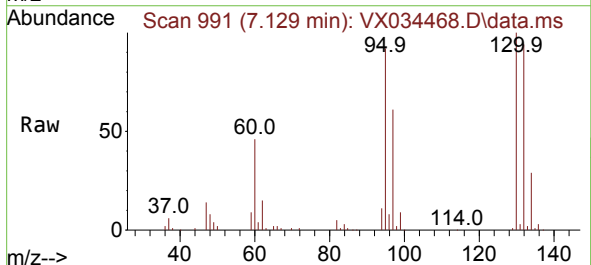
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230310DL

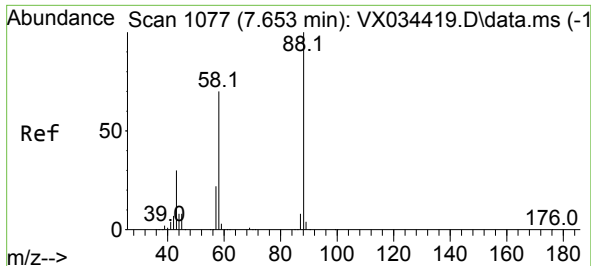
Tgt Ion: 83 Resp: 1297
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 195.9 40.4 60.6#



#44
Trichloroethene
Concen: 37.995 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion:130 Resp: 125171
Ion Ratio Lower Upper
130 100
95 91.7 0.0 198.4





#49

1,4-Dioxane

Concen: 0.346 ug/l

RT: 7.732 min Scan# 1090

Delta R.T. 0.079 min

Lab File: VX034468.D

Acq: 14 Mar 2023 16:30

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20230310DL

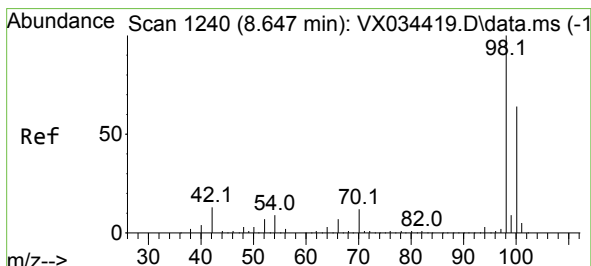
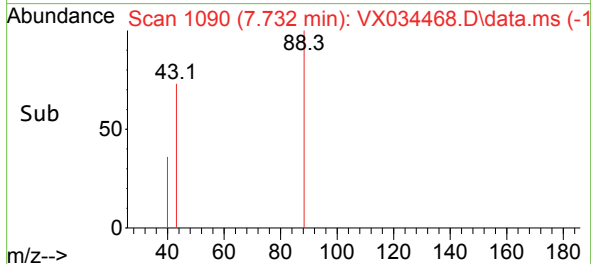
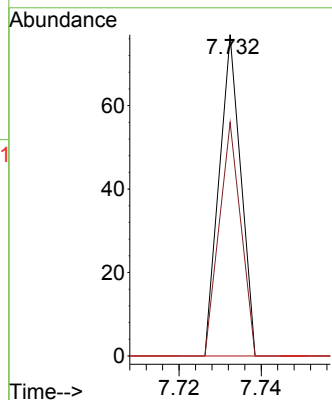
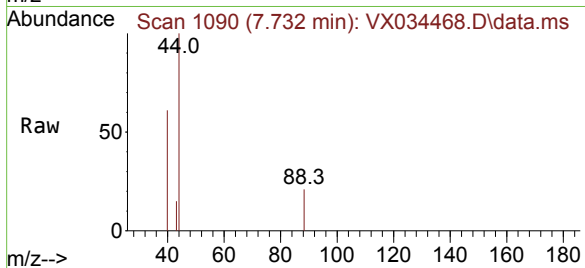
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 71.4 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 49.194 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034468.D

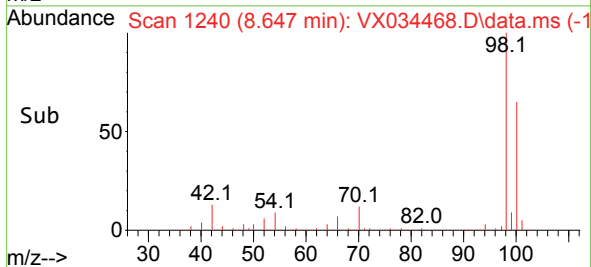
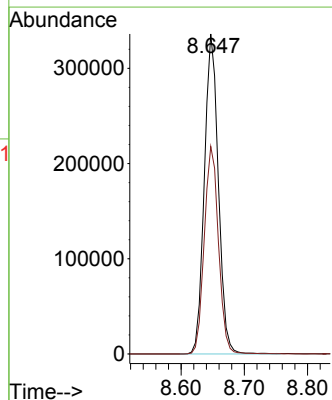
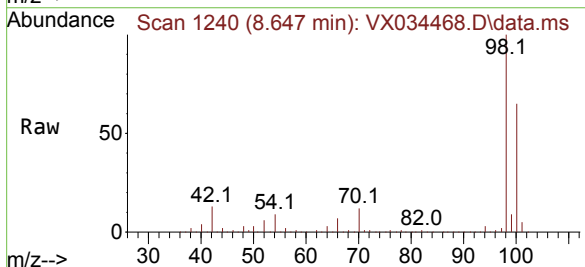
Acq: 14 Mar 2023 16:30

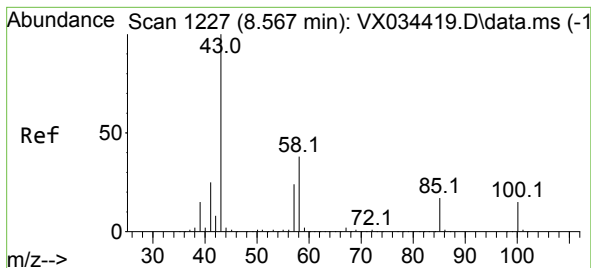
Tgt Ion: 98 Resp: 518220

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7

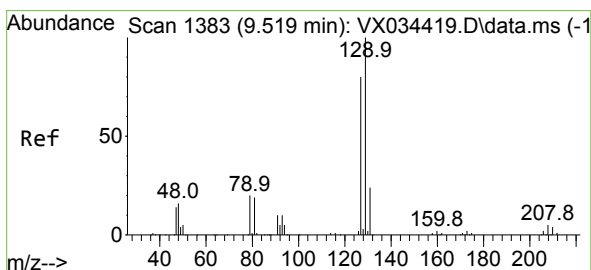
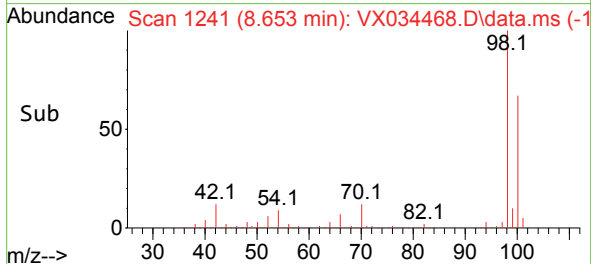
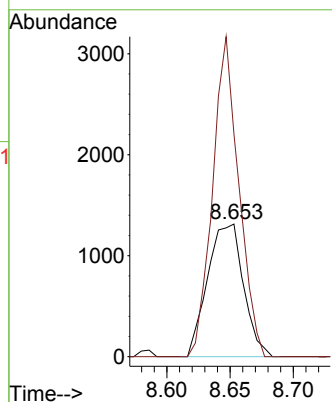
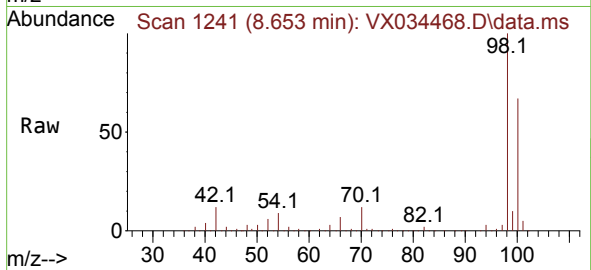




#51
4-Methyl-2-Pentanone
Concen: 0.557 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.085 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

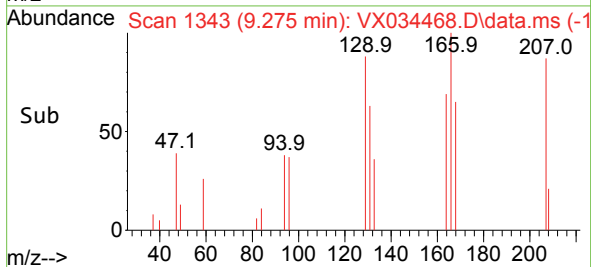
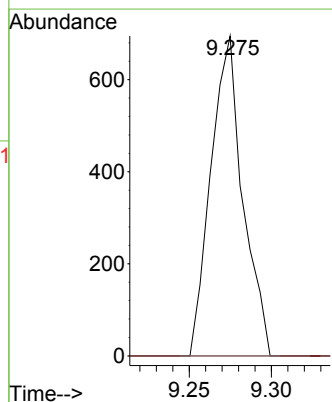
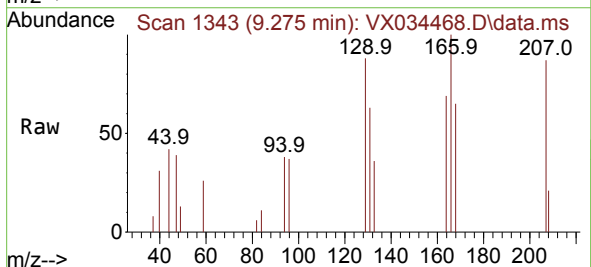
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230310DL

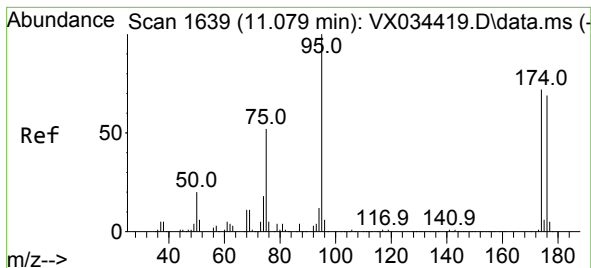
Tgt Ion: 43 Resp: 2594
Ion Ratio Lower Upper
43 100
58 176.2 30.6 46.0#



#60
Dibromochloromethane
Concen: 0.288 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion: 129 Resp: 940
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

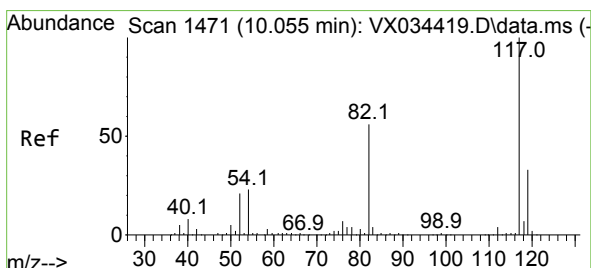
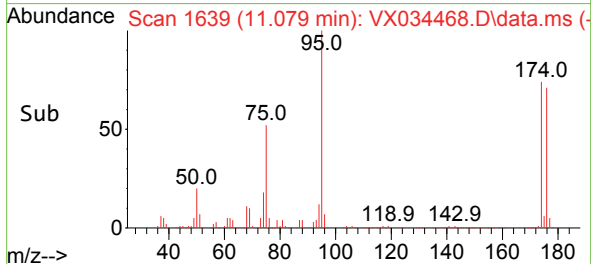
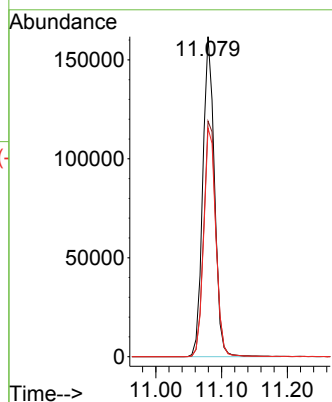
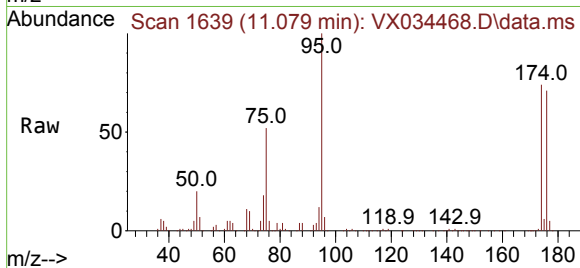




#62
4-Bromofluorobenzene
Concen: 47.051 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

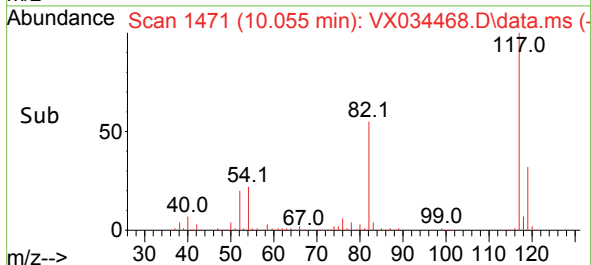
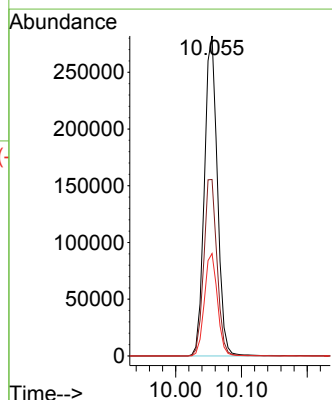
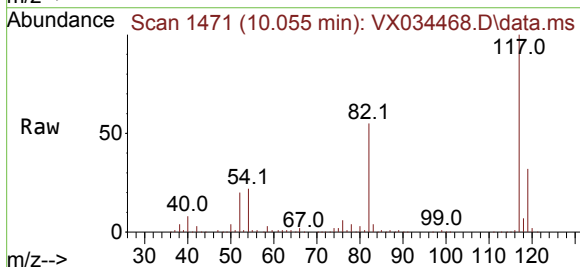
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230310DL

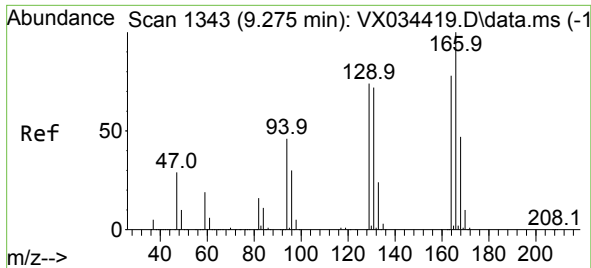
Tgt Ion: 95 Resp: 200206
Ion Ratio Lower Upper
95 100
174 76.7 0.0 147.4
176 74.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion: 117 Resp: 386576
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.0 26.0 39.0

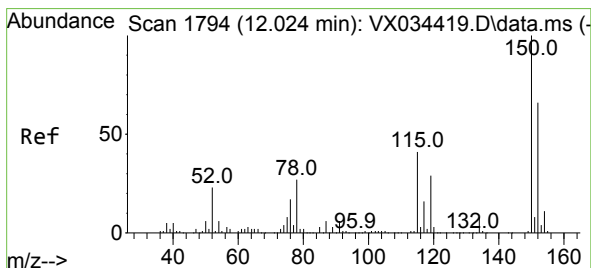
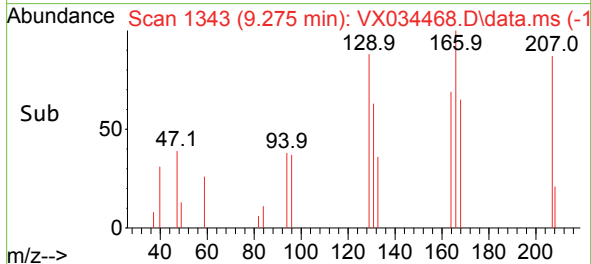
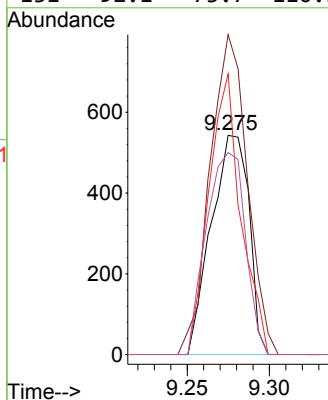
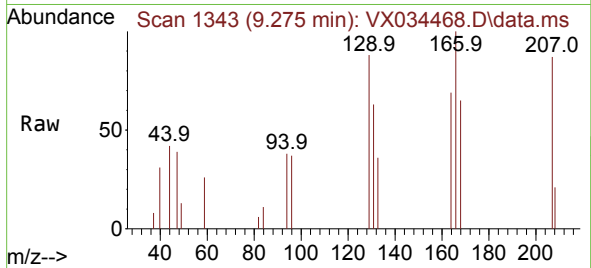




#64
Tetrachloroethene
Concen: 0.333 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

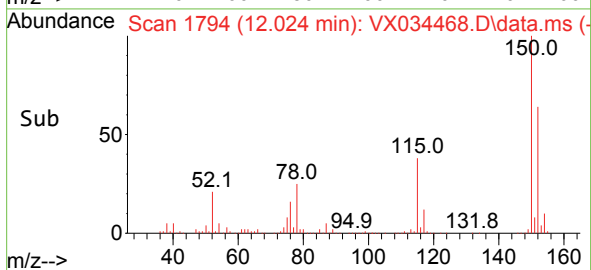
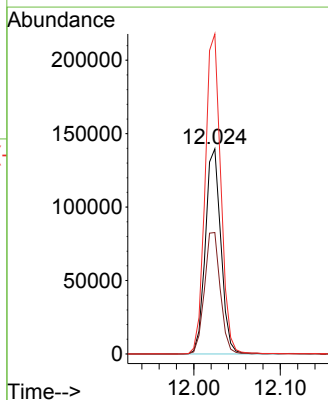
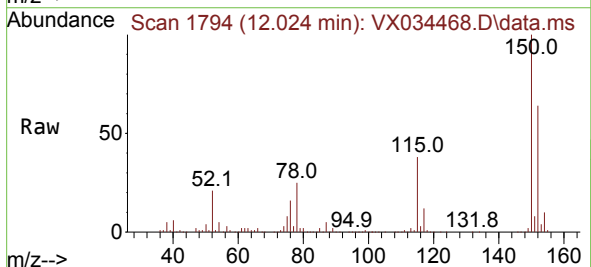
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230310DL

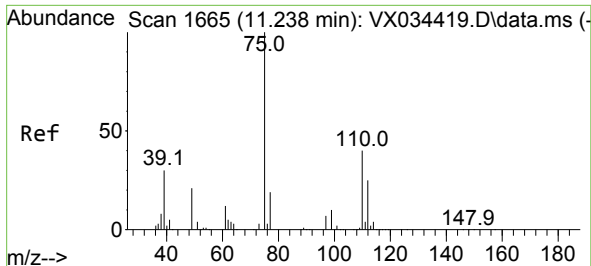
Tgt	Ion:164	Resp:	864
Ion	Ratio	Lower	Upper
164	100		
166	145.9	102.7	154.1
129	128.0	75.6	113.4#
131	92.1	73.7	110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion:152	Resp:	174308	
Ion	Ratio	Lower	Upper
152	100		
115	60.3	45.0	135.0
150	157.3	0.0	352.4

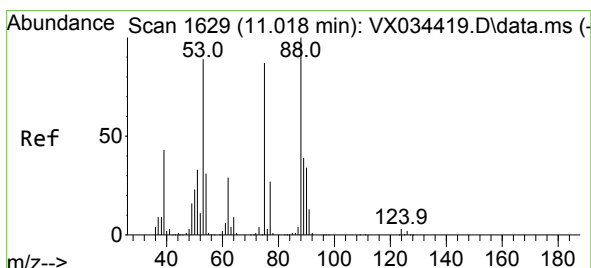
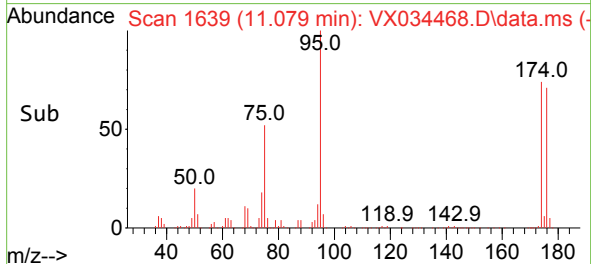
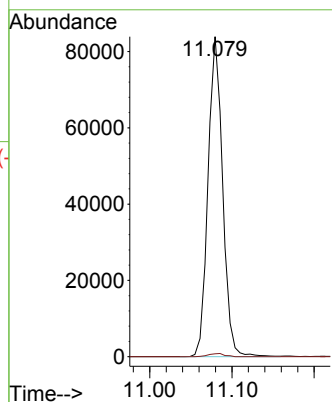
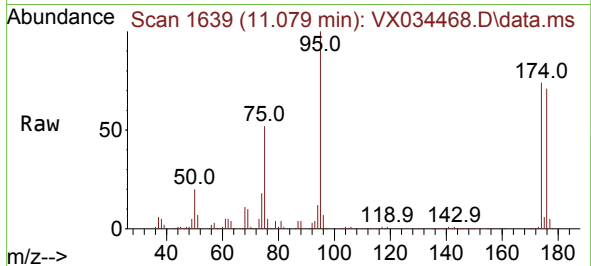




#76
1,2,3-Trichloropropane
Concen: 25.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20230310DL

Tgt Ion: 75 Resp: 103511
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.967 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034468.D
Acq: 14 Mar 2023 16:30

Tgt Ion: 75 Resp: 103511
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

