

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034445.D
 Acq On : 13 Mar 2023 20:07
 Operator : JC/MD
 Sample : 01879-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20230308

Quant Time: Mar 14 02:30:26 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)

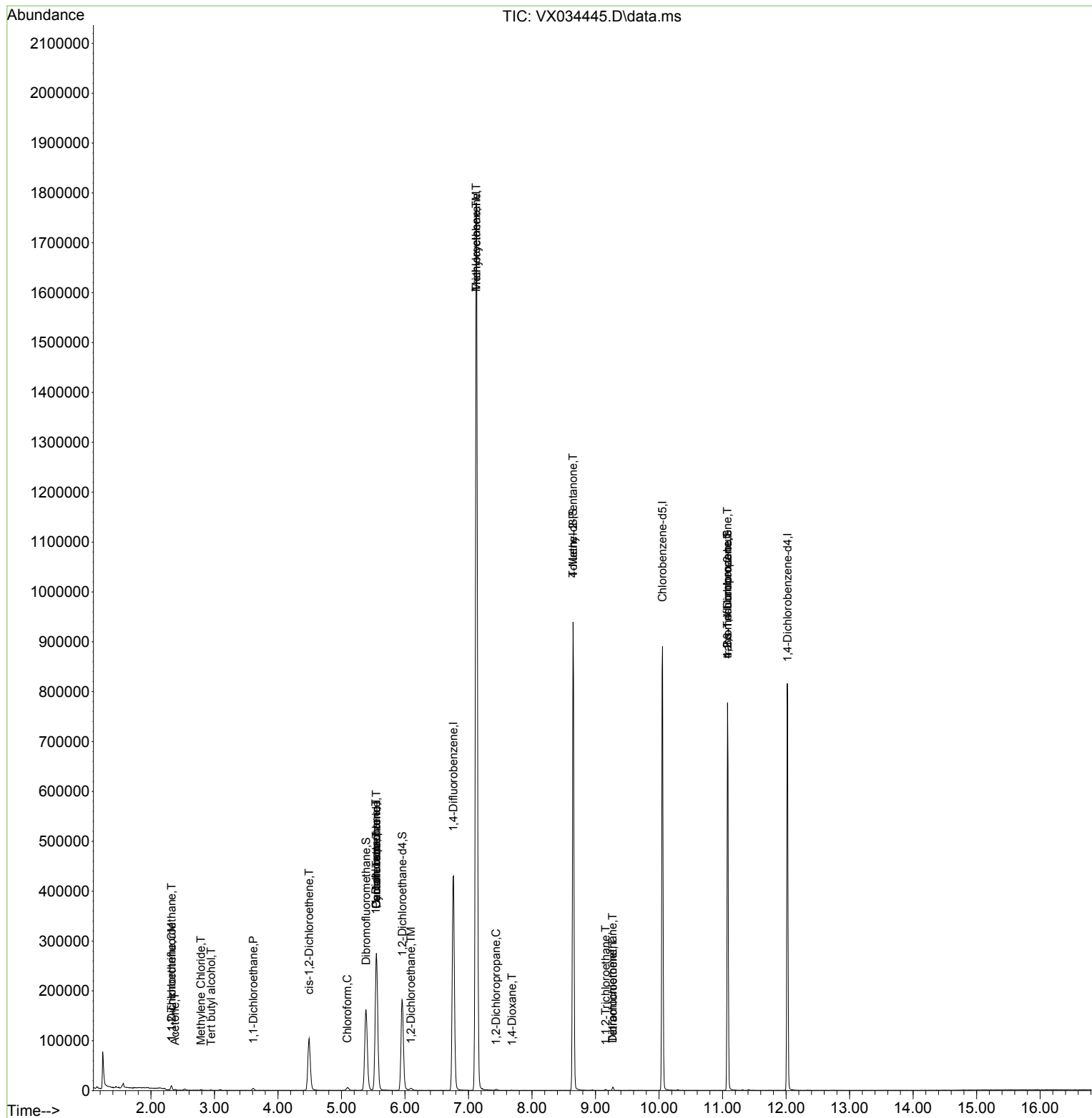
Internal Standards						
1) Pentafluorobenzene	5.550	168	258735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	445391	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171223	45.489	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.980%		
35) Dibromofluoromethane	5.385	113	141681	48.180	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.360%		
50) Toluene-d8	8.647	98	536094	48.835	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.660%		
62) 4-Bromofluorobenzene	11.079	95	198701	44.811	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.620%		
Target Compounds						
3) Chloromethane	1.295	50	876	Below Cal	#	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	1183	0.411	ug/l	91
11) Tert butyl alcohol	2.947	59	411	0.524	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	2255	0.796	ug/l #	69
16) Acetone	2.380	43	1474	0.831	ug/l #	84
20) Methylene Chloride	2.788	84	705	0.205	ug/l #	72
24) 1,1-Dichloroethane	3.611	63	4236	0.720	ug/l #	91
27) cis-1,2-Dichloroethene	4.489	96	64880	17.917	ug/l	88
30) Chloroform	5.093	83	6227	1.079	ug/l	100
31) Cyclohexane	5.550	56	5396	1.022	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	21370	4.731	ug/l #	51
38) Carbon Tetrachloride	5.550	117	26270	5.846	ug/l #	14
39) Methylcyclohexane	7.123	83	7975	1.475	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	4285	0.882	ug/l	89
44) Trichloroethene	7.123	130	673878	196.289	ug/l	100
45) 1,2-Dichloropropane	7.434	63	890	0.258	ug/l #	89
49) 1,4-Dioxane	7.684	88	370	4.382	ug/l #	77
51) 4-Methyl-2-Pentanone	8.647	43	2521	0.520	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	663	0.204	ug/l	87
60) Dibromochloromethane	9.269	129	901	0.265	ug/l #	10
64) Tetrachloroethene	9.275	164	924	0.348	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	102556	26.922	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	102556	72.833	ug/l #	8

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

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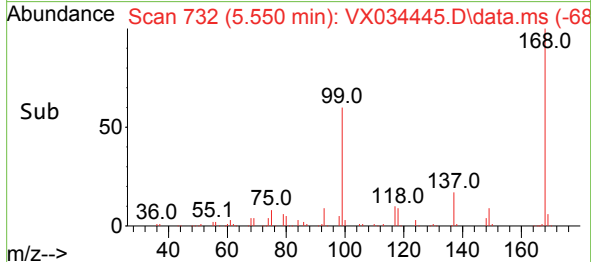
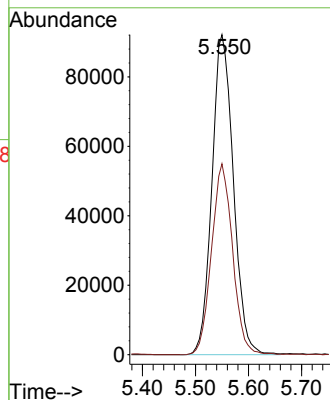
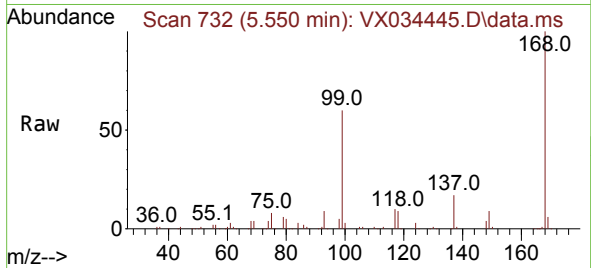




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

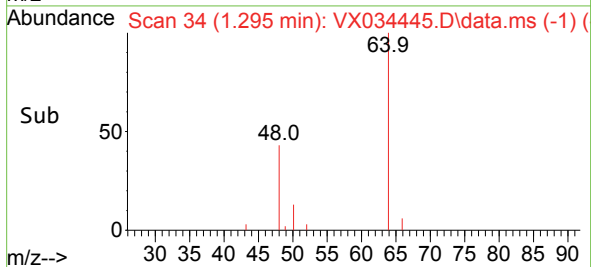
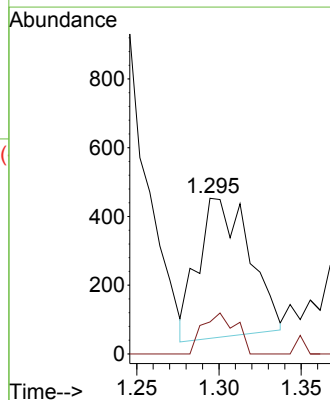
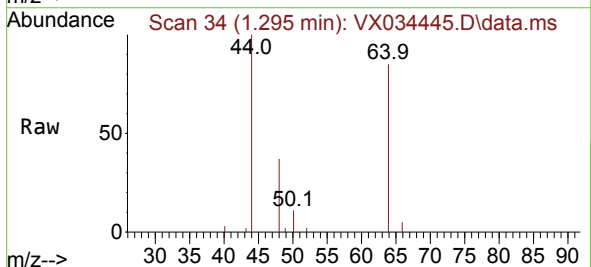
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308

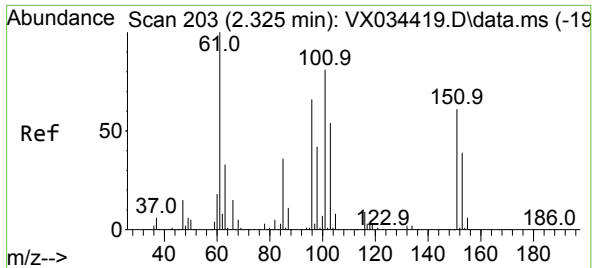
Tgt Ion:168 Resp: 258735
Ion Ratio Lower Upper
168 100
99 59.7 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion: 50 Resp: 876
Ion Ratio Lower Upper
50 100
52 25.6 25.9 38.9#

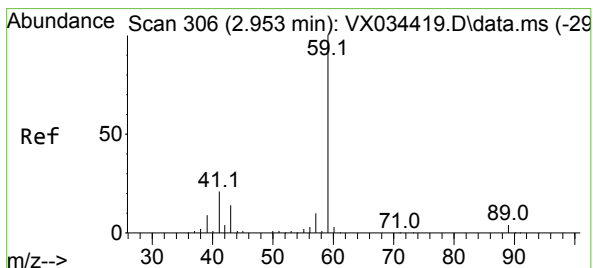
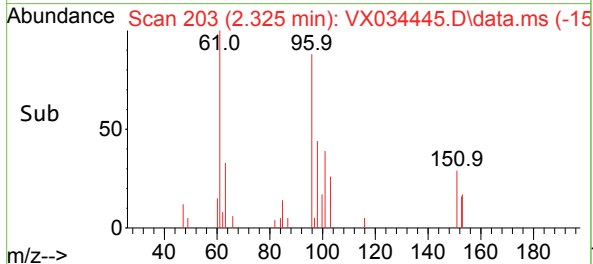
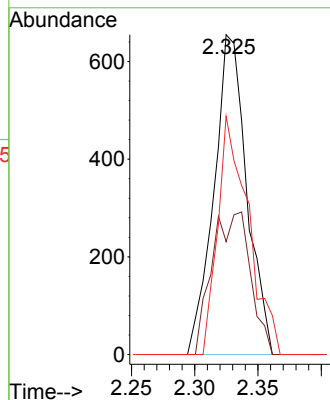
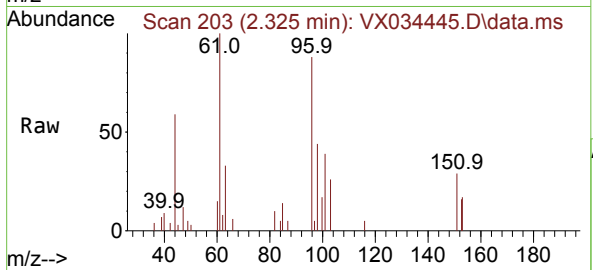




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.411 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

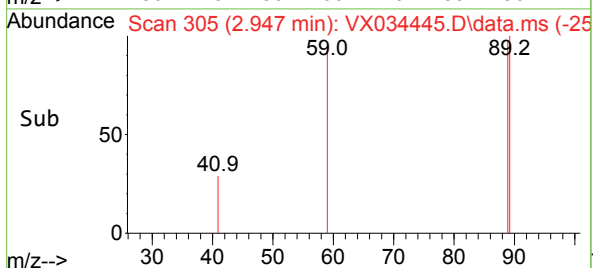
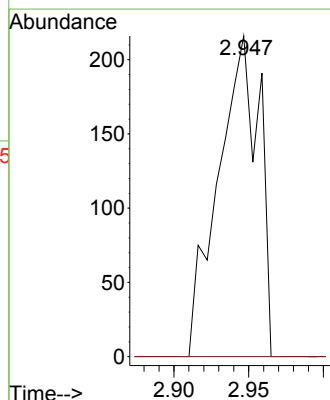
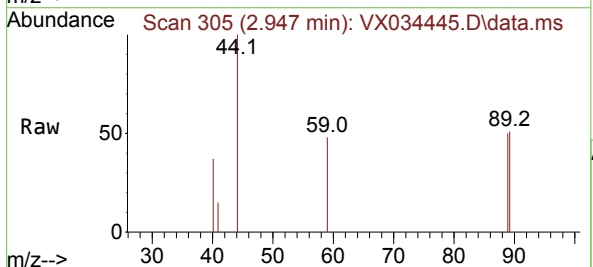
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308

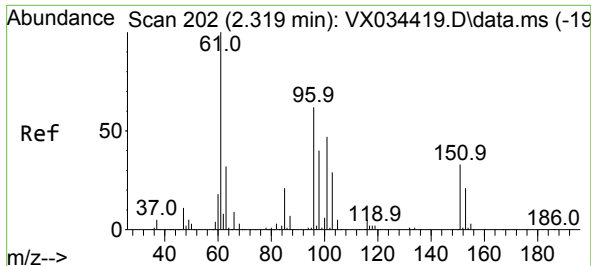
Tgt Ion:101 Resp: 1183
Ion Ratio Lower Upper
101 100
85 52.2 35.4 53.2
151 69.7 60.2 90.4



#11
Tert butyl alcohol
Concen: 0.524 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion: 59 Resp: 411
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 0.796 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX034445.D

Acq: 13 Mar 2023 20:07

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230308

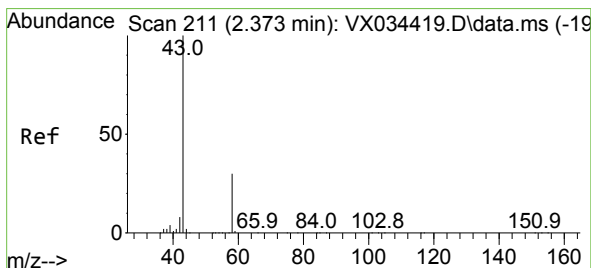
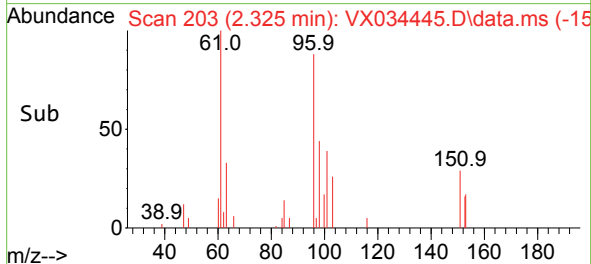
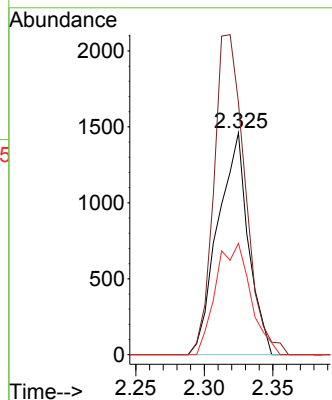
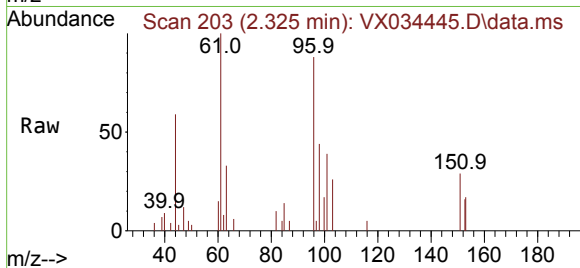
Tgt Ion: 96 Resp: 2255

Ion Ratio Lower Upper

96 100

61 113.7 128.8 193.2#

98 50.2 51.4 77.0#



#16

Acetone

Concen: 0.831 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034445.D

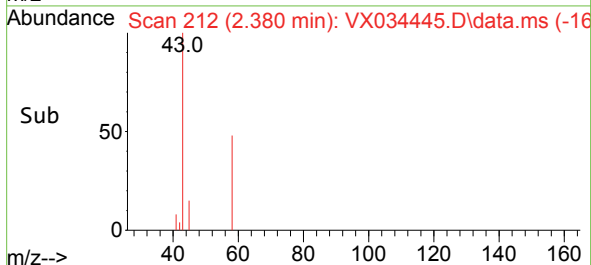
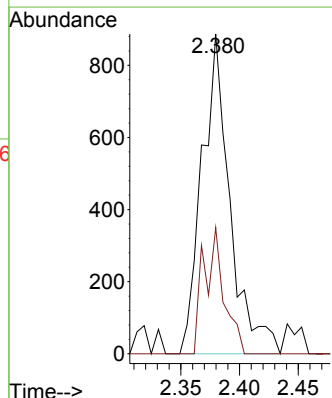
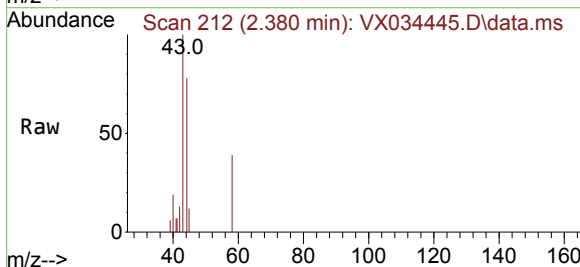
Acq: 13 Mar 2023 20:07

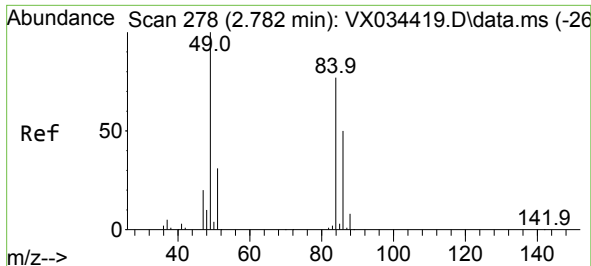
Tgt Ion: 43 Resp: 1474

Ion Ratio Lower Upper

43 100

58 39.5 24.7 37.1#

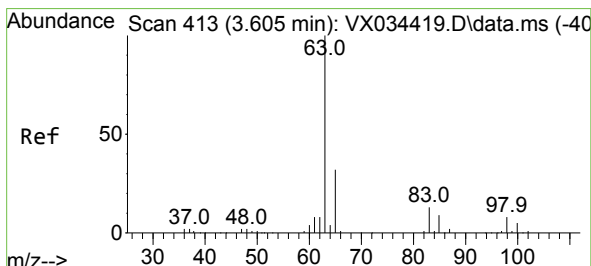
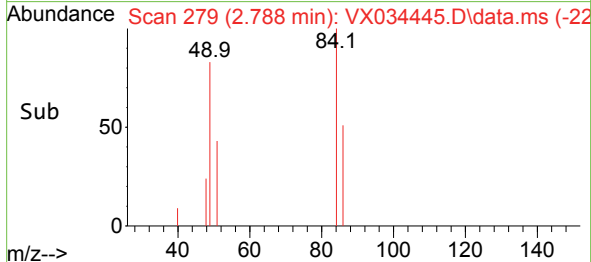
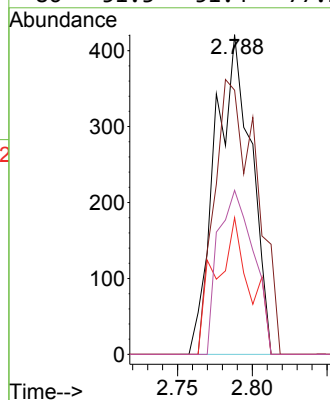
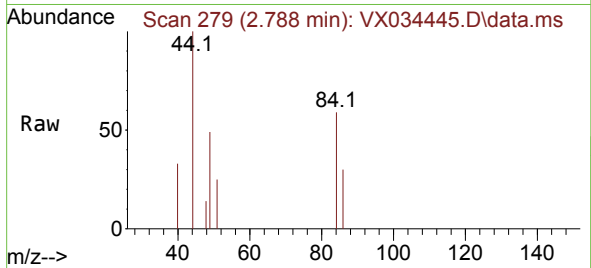




#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

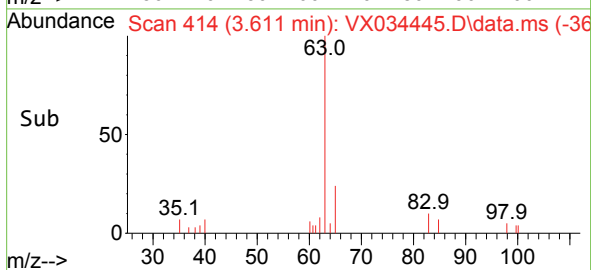
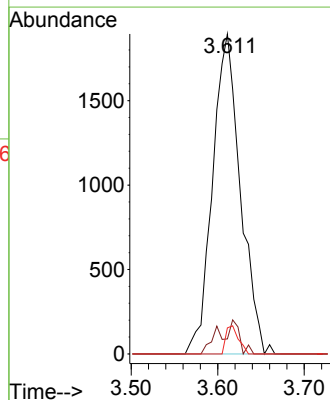
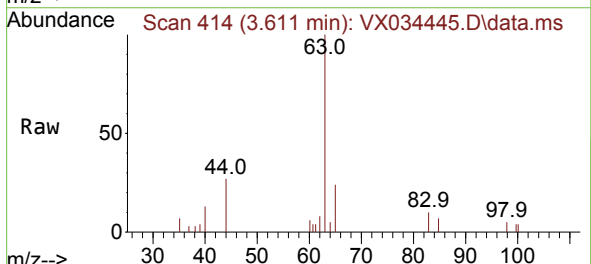
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308

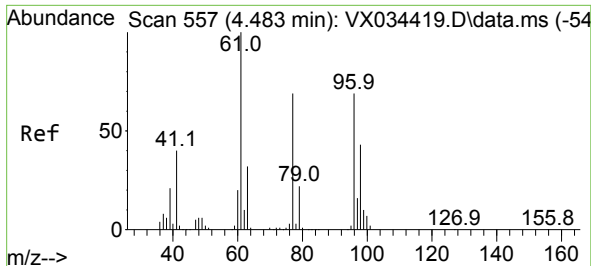
Tgt Ion: 84 Resp: 705
Ion Ratio Lower Upper
84 100
49 82.7 103.8 155.8#
51 42.8 31.8 47.8
86 51.3 51.4 77.2#



#24
1,1-Dichloroethane
Concen: 0.720 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion: 63 Resp: 4236
Ion Ratio Lower Upper
63 100
98 4.7 3.8 11.2
100 8.1 2.4 7.1#





#27

cis-1,2-Dichloroethene

Concen: 17.917 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX034445.D

Acq: 13 Mar 2023 20:07

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230308

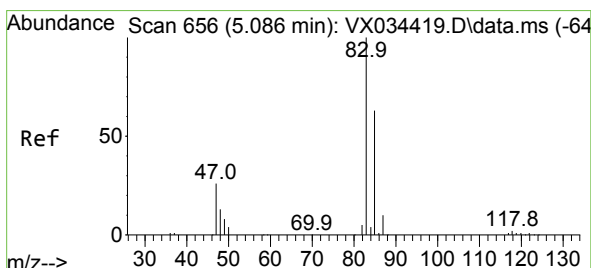
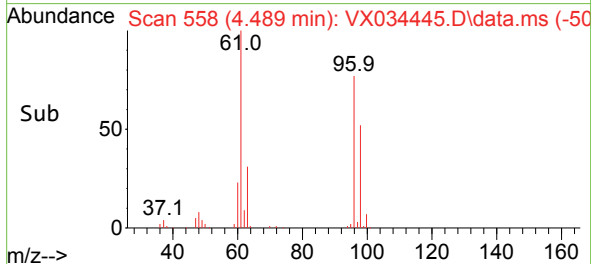
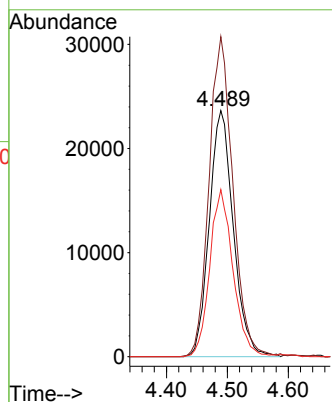
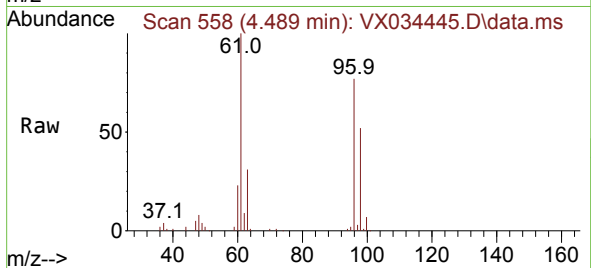
Tgt Ion: 96 Resp: 64880

Ion Ratio Lower Upper

96 100

61 128.7 0.0 300.4

98 65.7 0.0 129.0



#30

Chloroform

Concen: 1.079 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX034445.D

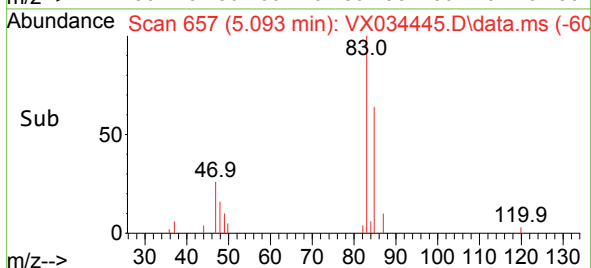
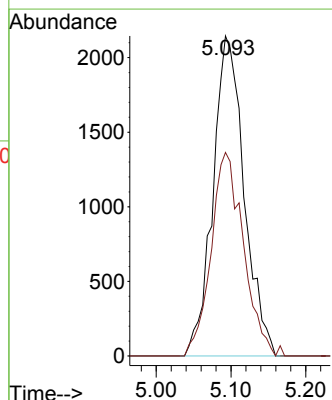
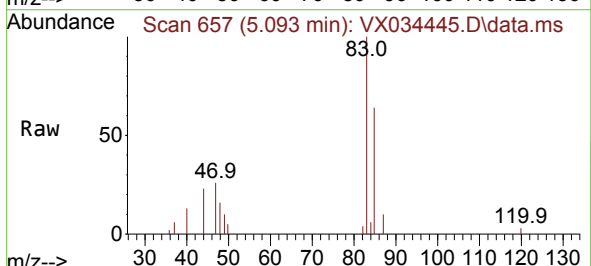
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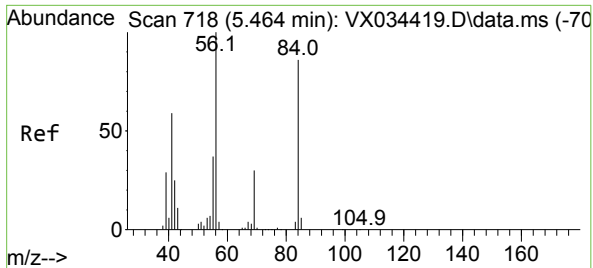
Tgt Ion: 83 Resp: 6227

Ion Ratio Lower Upper

83 100

85 63.6 50.6 76.0

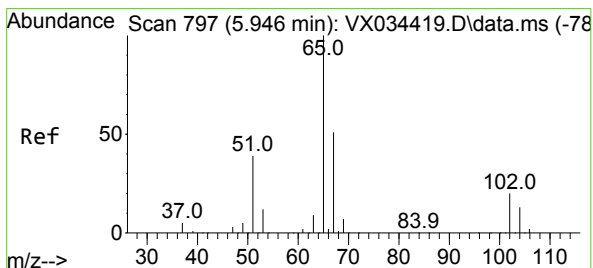
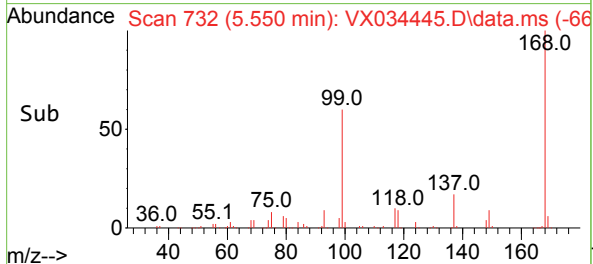
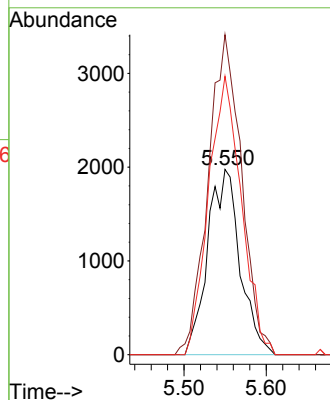
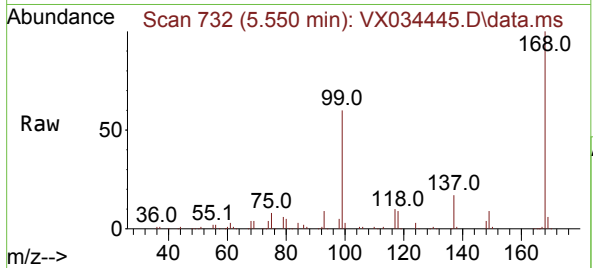




#31
Cyclohexane
Concen: 1.022 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

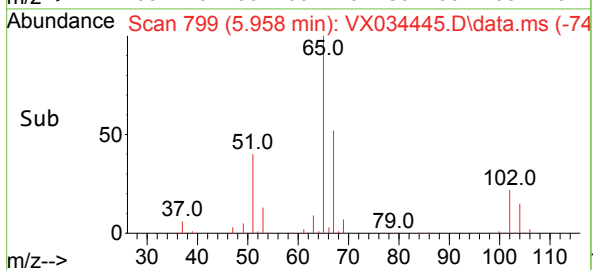
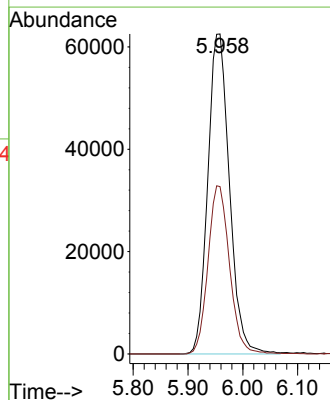
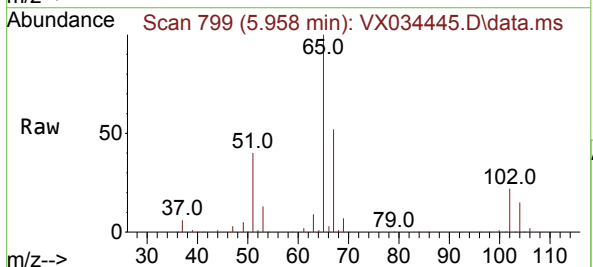
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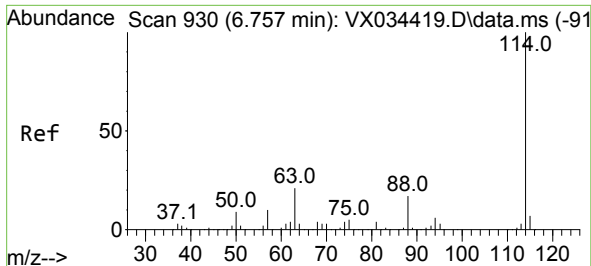
Tgt Ion: 56 Resp: 5396
Ion Ratio Lower Upper
56 100
69 172.7 23.7 35.5#
84 150.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 45.489 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion: 65 Resp: 171223
Ion Ratio Lower Upper
65 100
67 52.3 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: VX034445.D

Acq: 13 Mar 2023 20:07

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230308

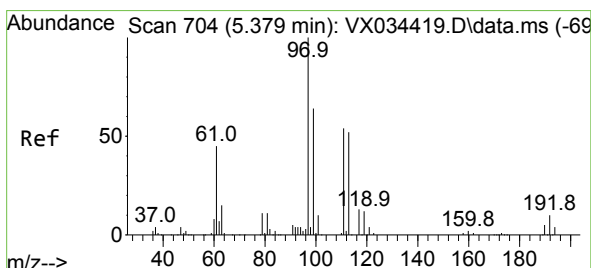
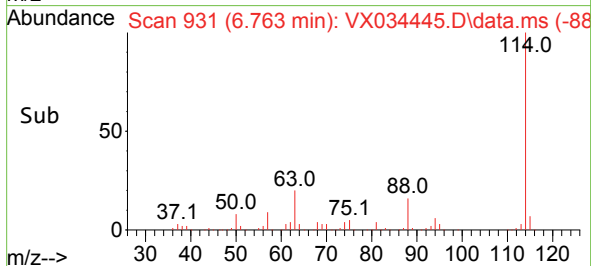
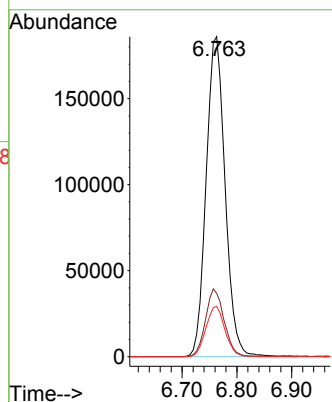
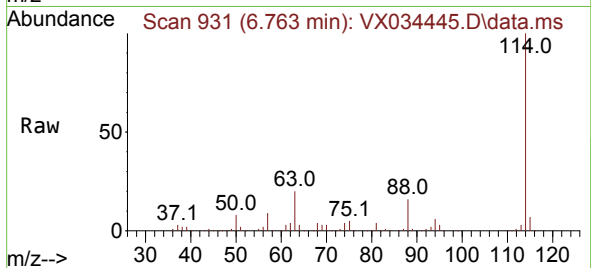
Tgt Ion:114 Resp: 445391

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.2

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.180 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034445.D

Acq: 13 Mar 2023 20:07

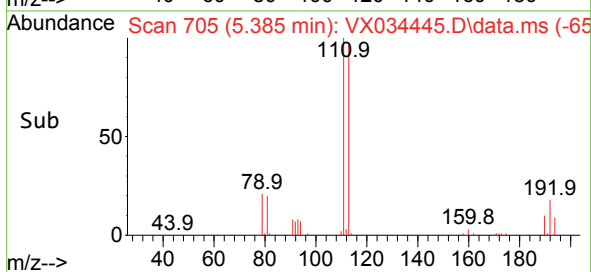
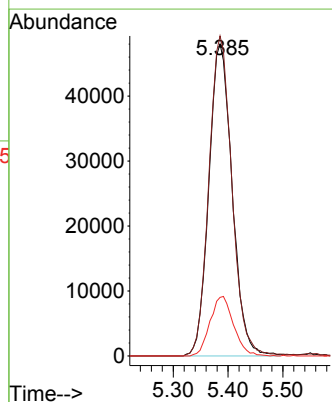
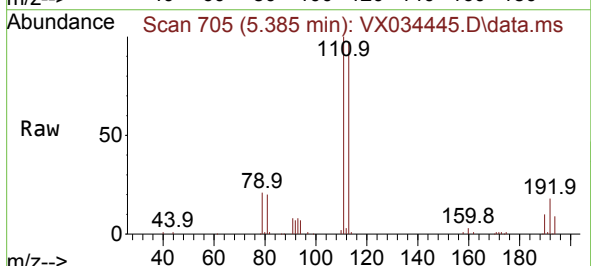
Tgt Ion:113 Resp: 141681

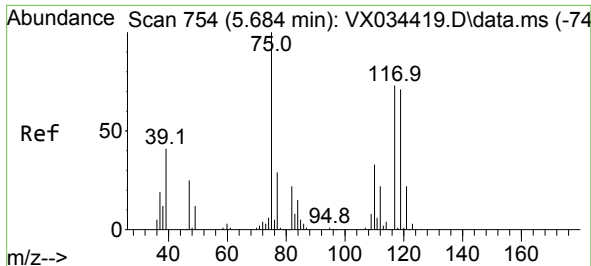
Ion Ratio Lower Upper

113 100

111 101.7 83.7 125.5

192 19.3 15.4 23.2

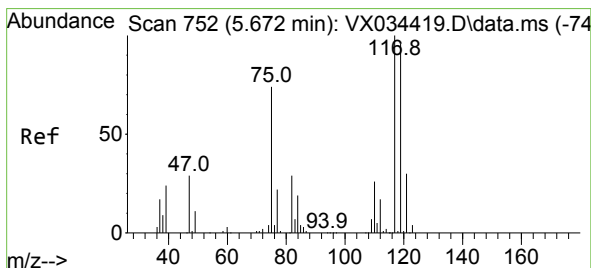
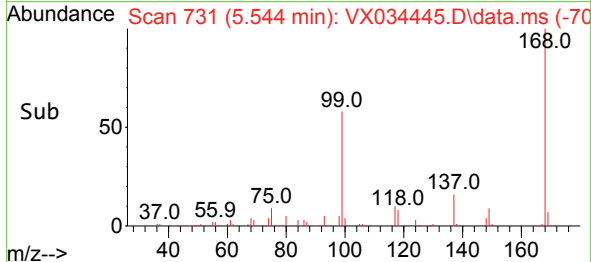
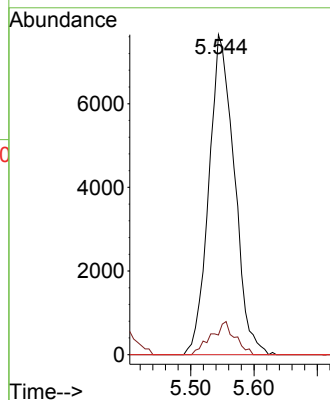
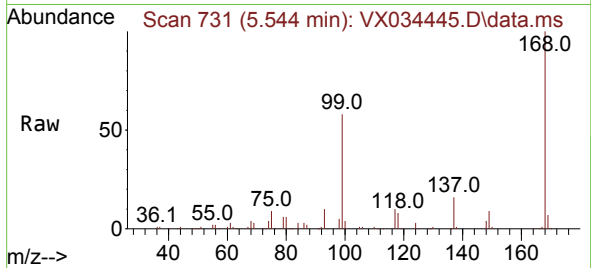




#36
1,1-Dichloropropene
Concen: 4.731 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

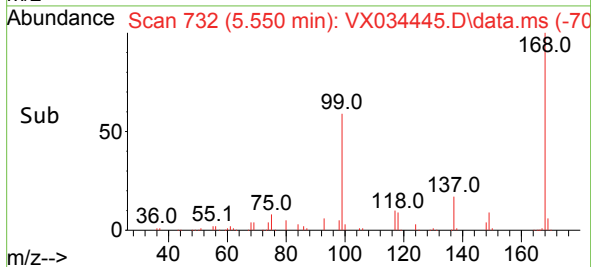
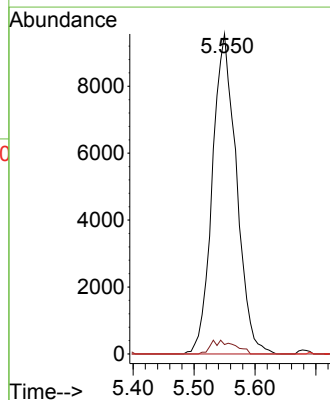
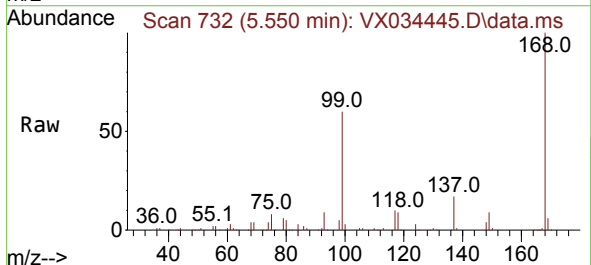
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308

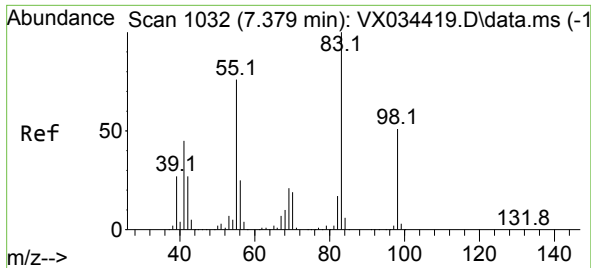
Tgt Ion: 75 Resp: 21370
Ion Ratio Lower Upper
75 100
110 9.6 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.846 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion: 117 Resp: 26270
Ion Ratio Lower Upper
117 100
119 3.0 76.6 114.8#
121 0.0 23.8 35.6#

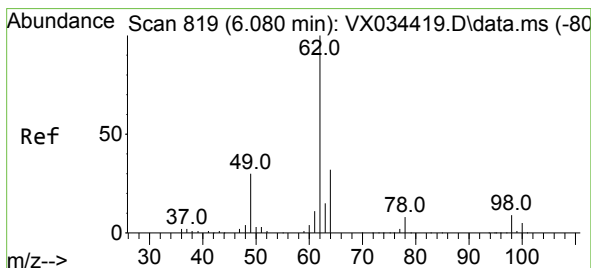
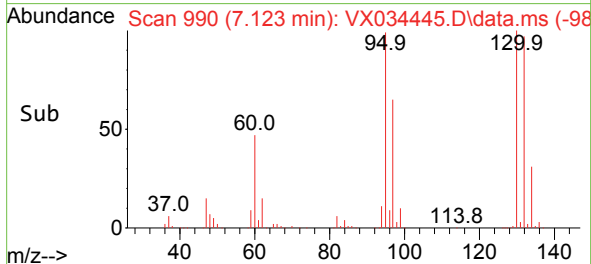
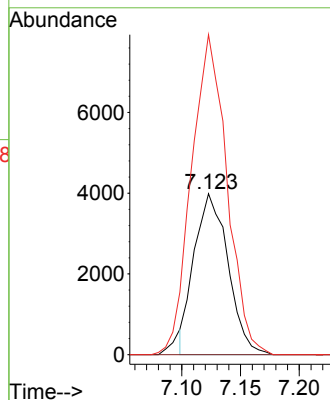
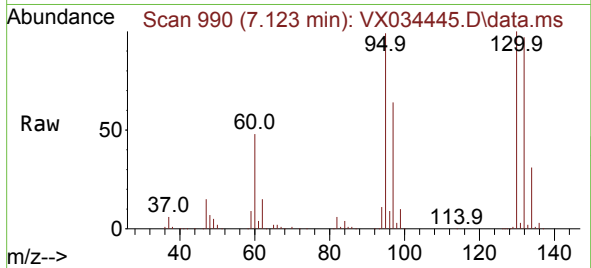




#39
Methylcyclohexane
Concen: 1.475 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

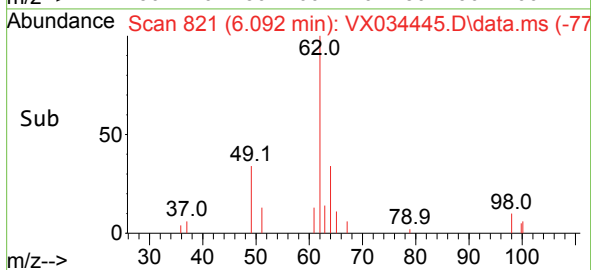
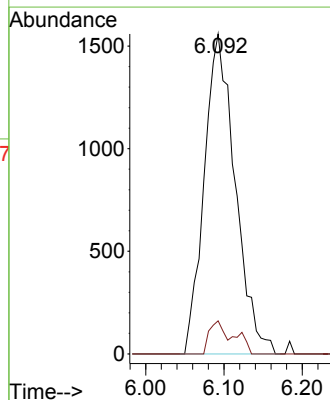
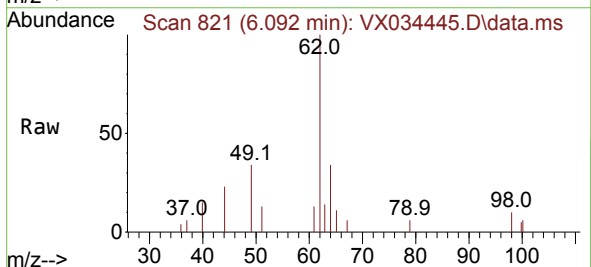
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308

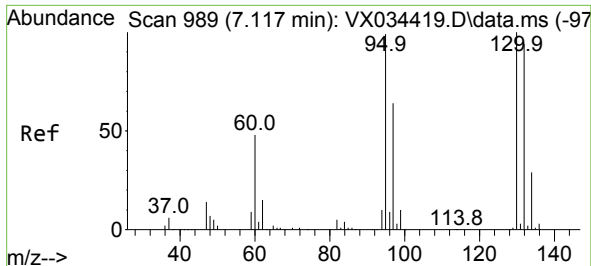
Tgt Ion: 83 Resp: 7975
Ion Ratio Lower Upper
83 100
55 0.0 60.5 90.7#
98 198.8 40.4 60.6#



#42
1,2-Dichloroethane
Concen: 0.882 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion: 62 Resp: 4285
Ion Ratio Lower Upper
62 100
98 5.0 0.0 18.0

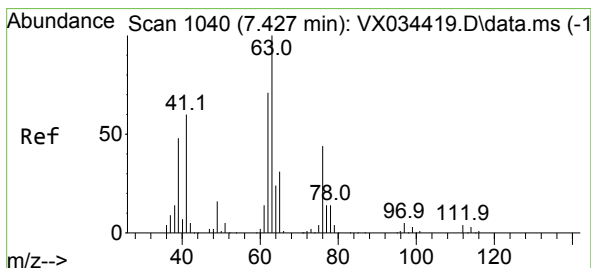
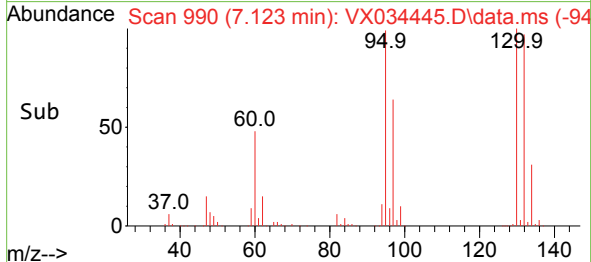
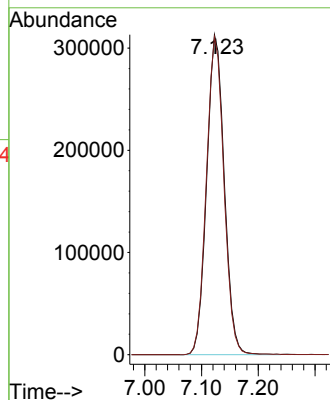
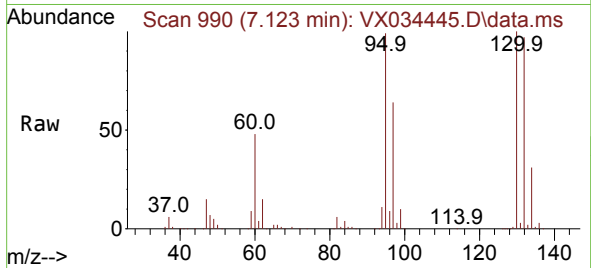




#44
Trichloroethene
Concen: 196.289 ug/l
RT: 7.123 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

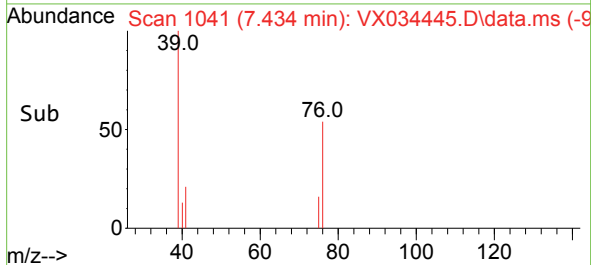
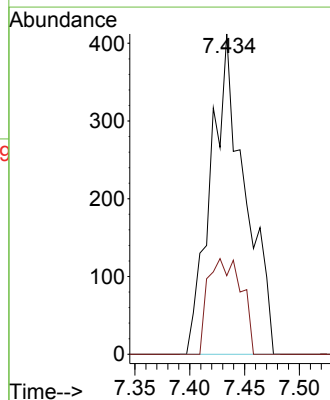
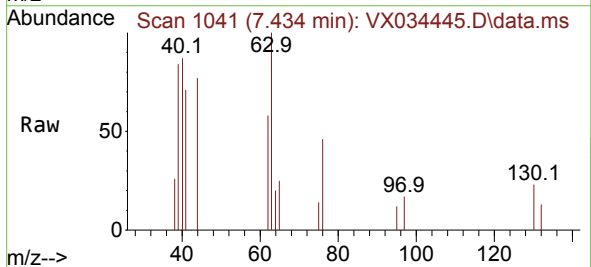
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308

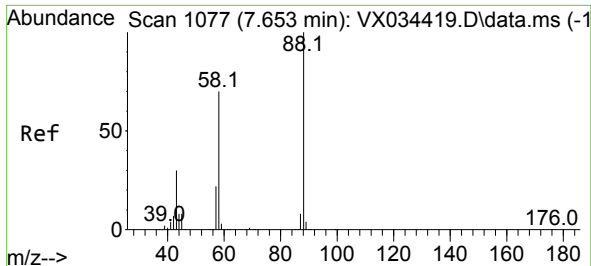
Tgt Ion:130 Resp: 673878
Ion Ratio Lower Upper
130 100
95 99.4 0.0 198.4



#45
1,2-Dichloropropane
Concen: 0.258 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion: 63 Resp: 890
Ion Ratio Lower Upper
63 100
65 24.5 24.6 37.0#





#49

1,4-Dioxane

Concen: 4.382 ug/l

RT: 7.684 min Scan# 1077

Delta R.T. 0.031 min

Lab File: VX034445.D

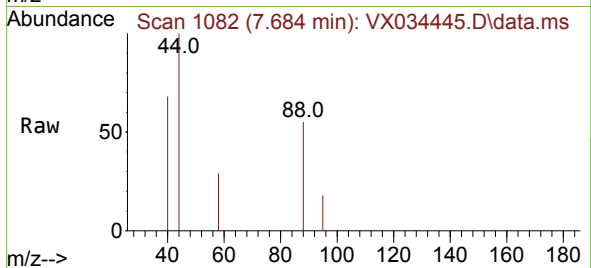
Acq: 13 Mar 2023 20:07

Instrument :

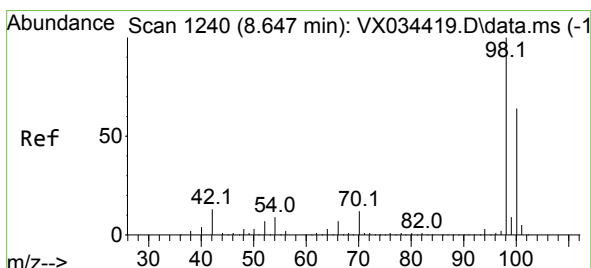
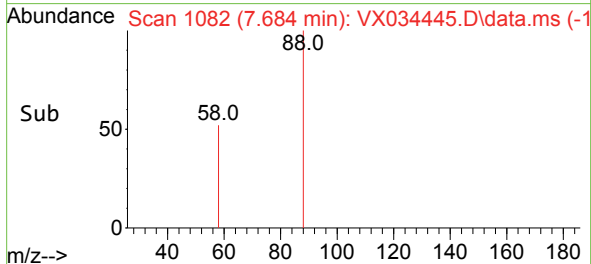
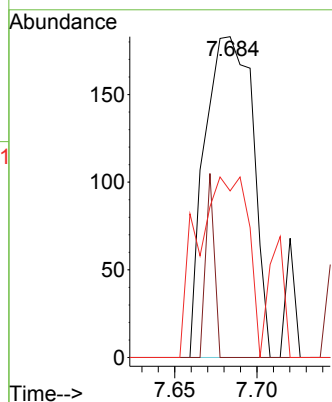
MSVOA_X

ClientSampleId :

RE104D2-20230308



Tgt Ion: 88	Resp: 370
Ion Ratio	Lower Upper
88	100
43	10.3 27.7 41.5#
58	59.5 56.8 85.2



#50

Toluene-d8

Concen: 48.835 ug/l

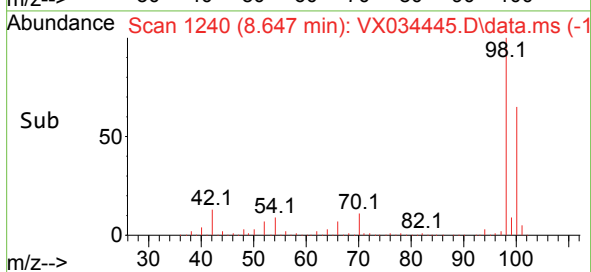
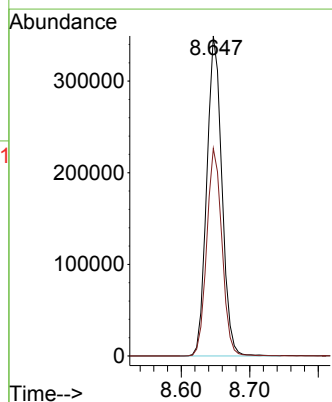
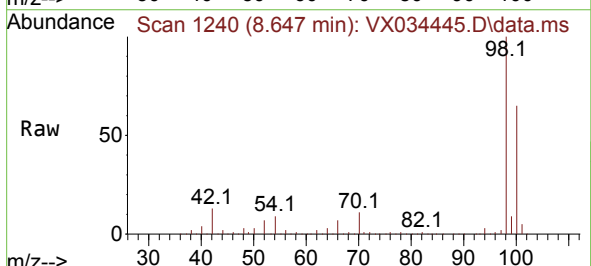
RT: 8.647 min Scan# 1240

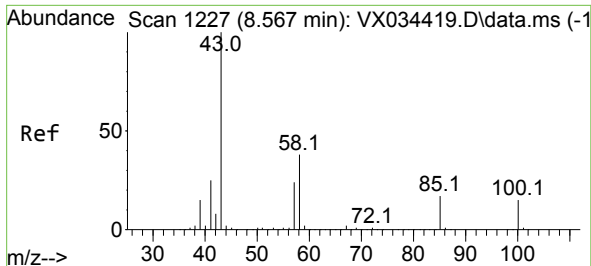
Delta R.T. 0.000 min

Lab File: VX034445.D

Acq: 13 Mar 2023 20:07

Tgt Ion: 98	Resp: 536094
Ion Ratio	Lower Upper
98	100
100	65.2 52.5 78.7

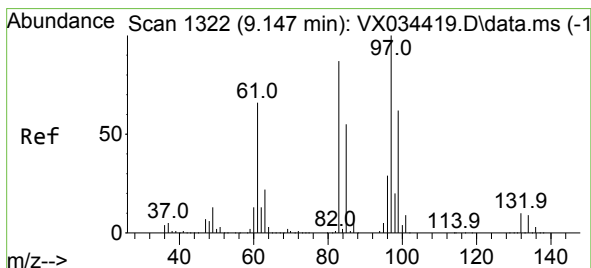
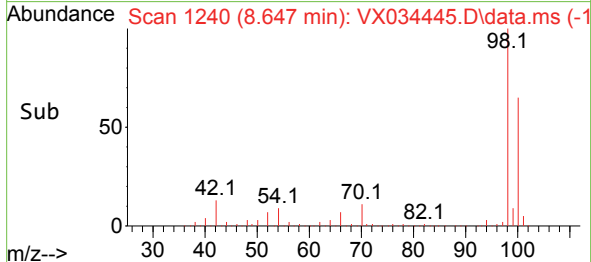
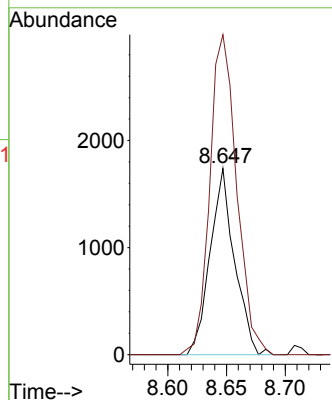
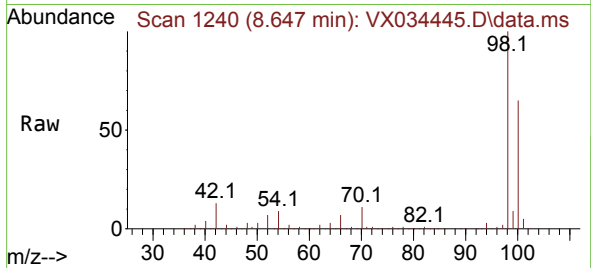




#51
4-Methyl-2-Pentanone
Concen: 0.520 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

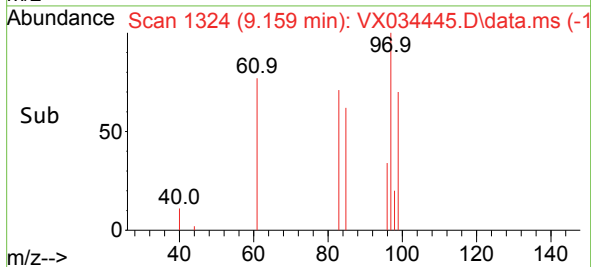
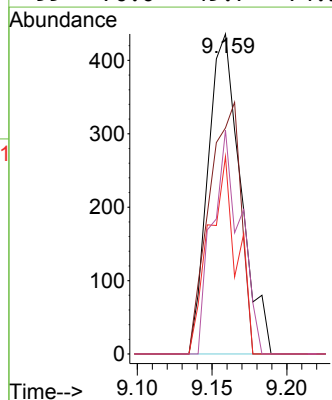
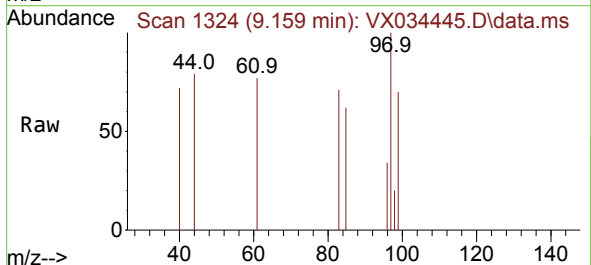
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308

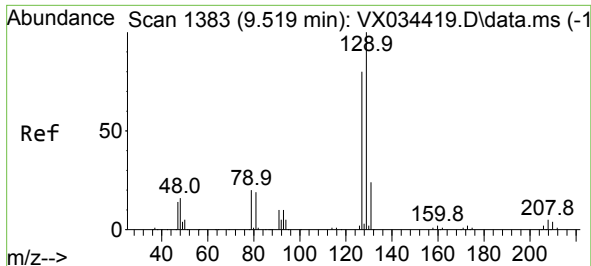
Tgt Ion: 43 Resp: 2521
Ion Ratio Lower Upper
43 100
58 188.5 30.6 46.0#



#55
1,1,2-Trichloroethane
Concen: 0.204 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion: 97 Resp: 663
Ion Ratio Lower Upper
97 100
83 70.6 69.7 104.5
85 61.7 43.7 65.5
99 70.0 49.7 74.5

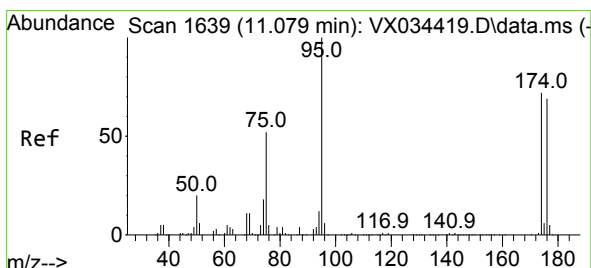
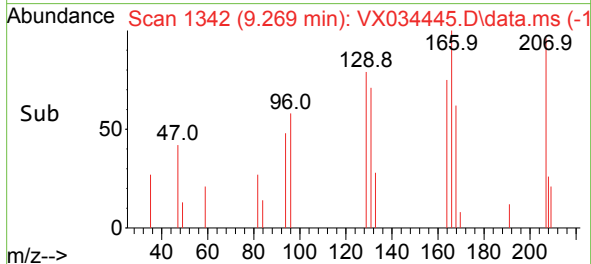
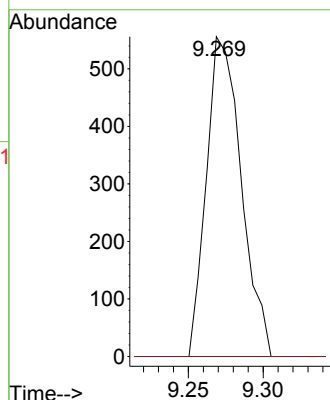
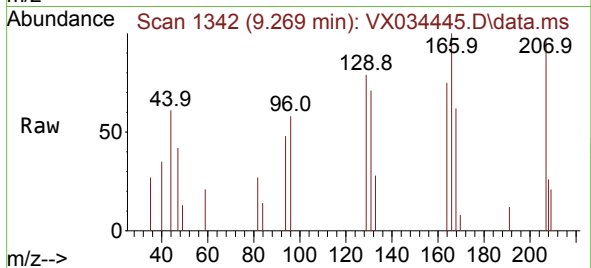




#60
Dibromochloromethane
Concen: 0.265 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

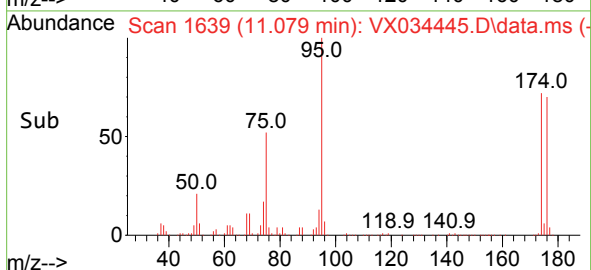
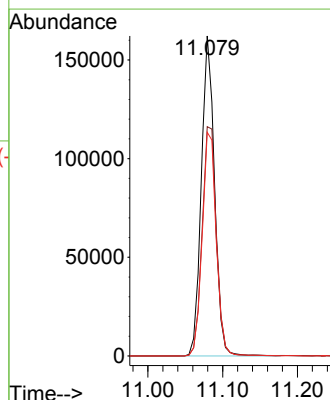
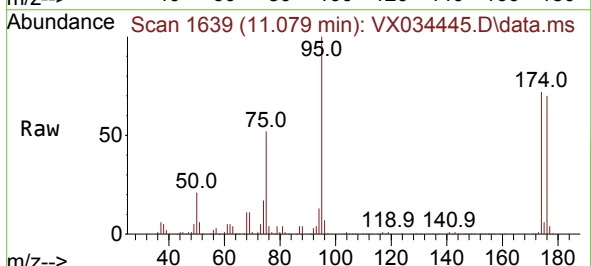
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308

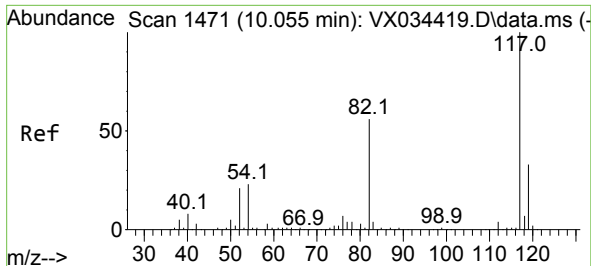
Tgt Ion:129 Resp: 901
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 44.811 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion: 95 Resp: 198701
Ion Ratio Lower Upper
95 100
174 77.8 0.0 147.4
176 74.3 0.0 140.6

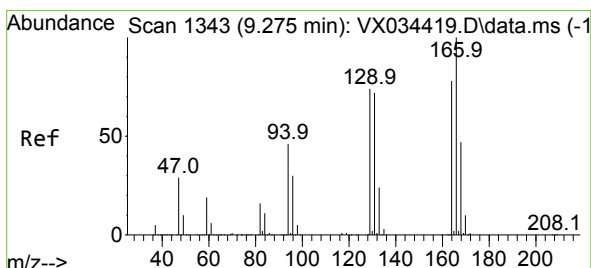
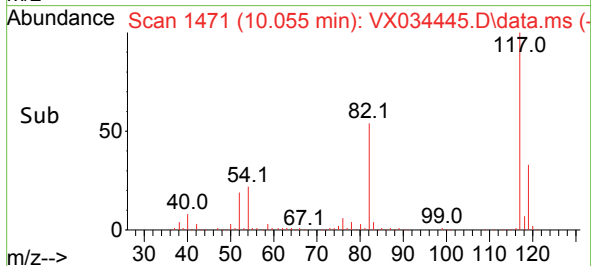
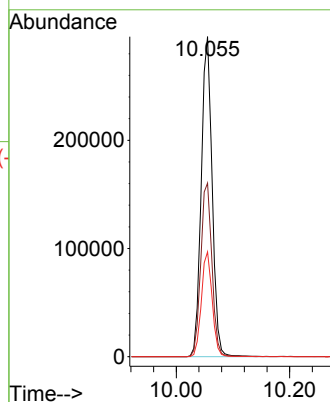
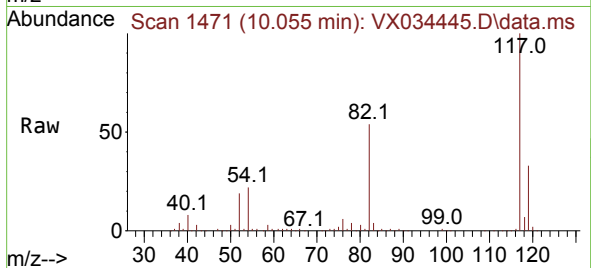




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

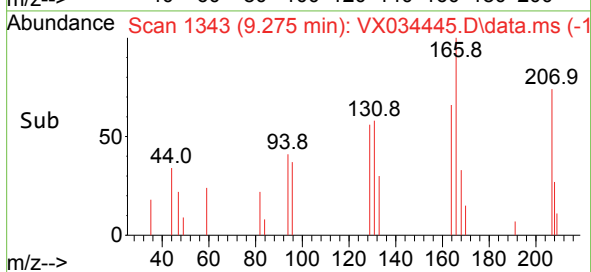
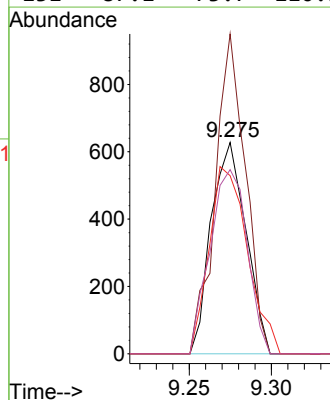
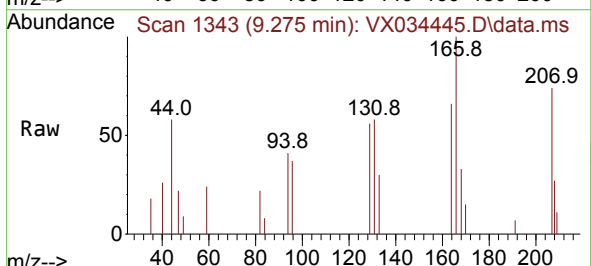
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230308

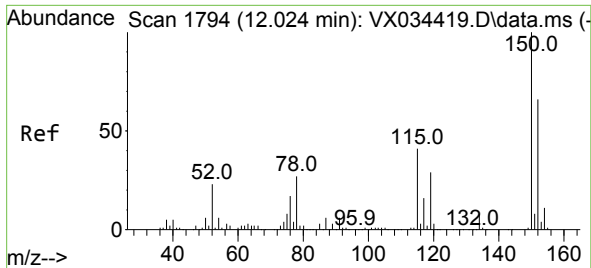
Tgt Ion:117 Resp: 394862
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 32.7 26.0 39.0



#64
Tetrachloroethene
Concen: 0.348 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034445.D
Acq: 13 Mar 2023 20:07

Tgt Ion:164 Resp: 924
Ion Ratio Lower Upper
164 100
166 151.3 102.7 154.1
129 84.2 75.6 113.4
131 87.1 73.7 110.5

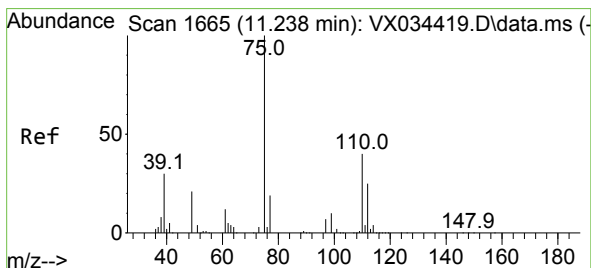
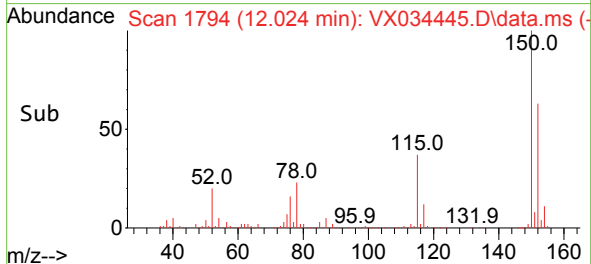
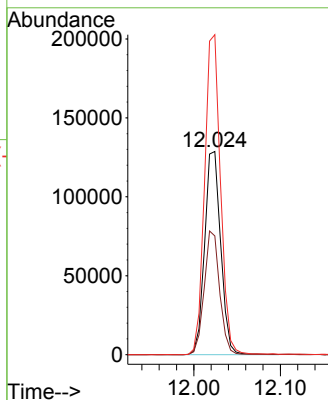
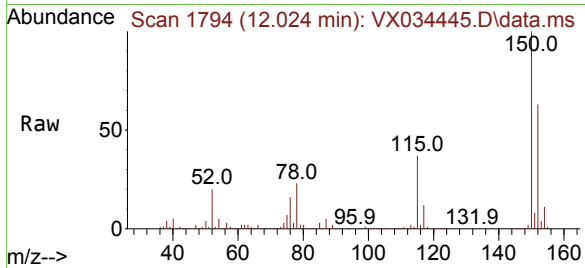




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034445.D
 Acq: 13 Mar 2023 20:07

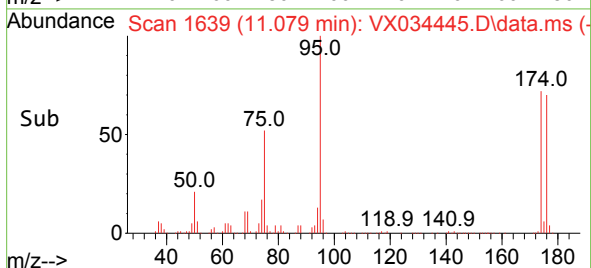
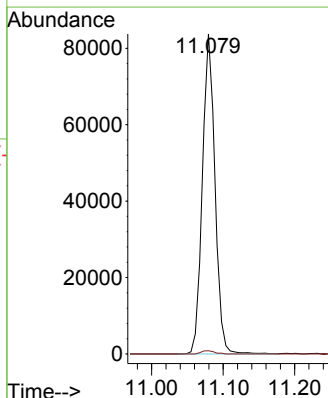
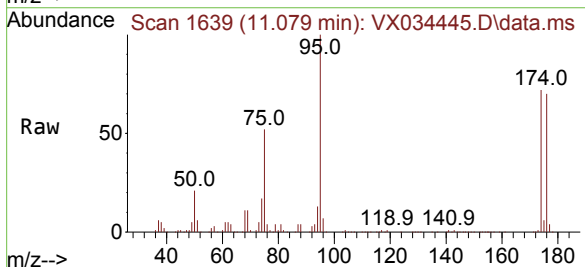
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20230308

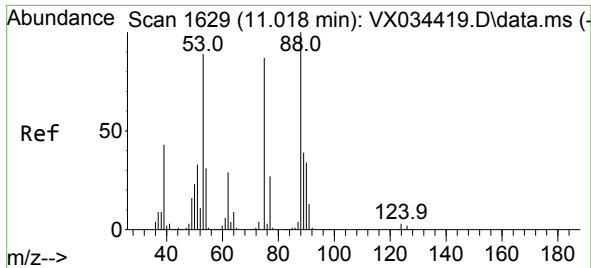
Tgt Ion:152 Resp: 165904
 Ion Ratio Lower Upper
 152 100
 115 58.8 45.0 135.0
 150 156.1 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 26.922 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX034445.D
 Acq: 13 Mar 2023 20:07

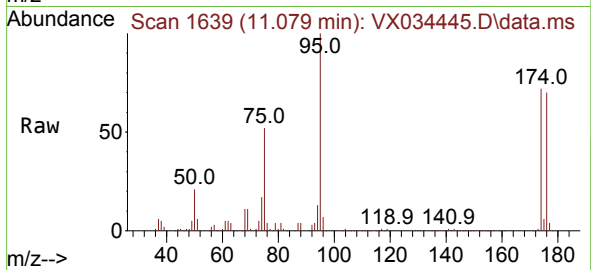
Tgt Ion: 75 Resp: 102556
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.833 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034445.D
 Acq: 13 Mar 2023 20:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20230308



Tgt Ion: 75 Resp: 102556
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

