

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
 Data File : VX034392.D
 Acq On : 08 Mar 2023 18:40
 Operator : JC/MD
 Sample : 01843-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20230306

Quant Time: Mar 09 04:02:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

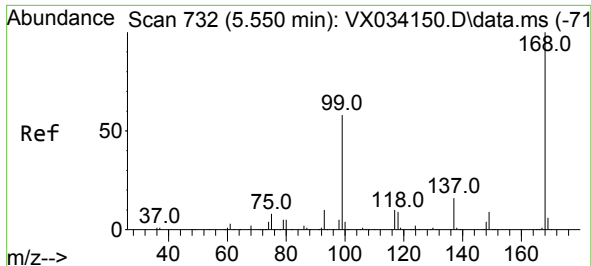
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	242784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	409506	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	364270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	155653	47.604	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.200%
35) Dibromofluoromethane	5.391	113	129101	48.420	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.840%
50) Toluene-d8	8.647	98	497695	51.990	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.980%
62) 4-Bromofluorobenzene	11.079	95	169163	46.198	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2748	1.310	ug/l	86
3) Chloromethane	1.307	50	776	0.257	ug/l #	85
5) Bromomethane	1.611	94	93	Below Cal	#	75
6) Chloroethane	1.697	64	495	0.358	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	24356	9.298	ug/l	96
11) Tert butyl alcohol	2.959	59	883	1.207	ug/l #	96
12) 1,1-Dichloroethene	2.319	96	5827	2.219	ug/l	91
13) Acrolein	2.190	56	129	0.386	ug/l #	1
16) Acetone	2.379	43	1205	0.714	ug/l	93
24) 1,1-Dichloroethane	3.611	63	3531	0.659	ug/l #	90
27) cis-1,2-Dichloroethene	4.507	96	5312	1.630	ug/l	94
28) Bromochloromethane	5.098	49	485	0.203	ug/l #	9
30) Chloroform	5.098	83	5876	1.141	ug/l	94
31) Cyclohexane	5.550	56	5606	1.148	ug/l #	21
32) 1,1,1-Trichloroethane	5.379	97	1367	0.296	ug/l #	38
36) 1,1-Dichloropropene	5.556	75	18620	4.722	ug/l #	48
38) Carbon Tetrachloride	5.672	117	1550	0.382	ug/l #	73
39) Methylcyclohexane	7.123	83	5076	1.000	ug/l #	1
42) 1,2-Dichloroethane	6.104	62	961	0.234	ug/l #	73
44) Trichloroethene	7.123	130	408807	136.327	ug/l	92
49) 1,4-Dioxane	7.671	88	1865	25.332	ug/l #	96
52) Toluene	8.720	92	14215	2.008	ug/l	98
55) 1,1,2-Trichloroethane	9.159	97	1336	0.467	ug/l	93
64) Tetrachloroethene	9.281	164	544	0.212	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	86992	22.110	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	86992	56.799	ug/l #	8

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

Quant Time: Mar 09 04:02:24 2023
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QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

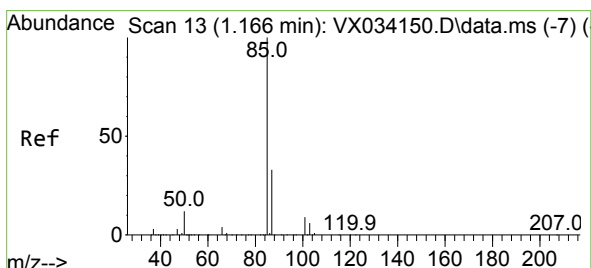
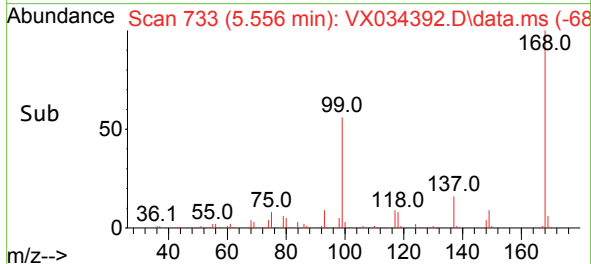
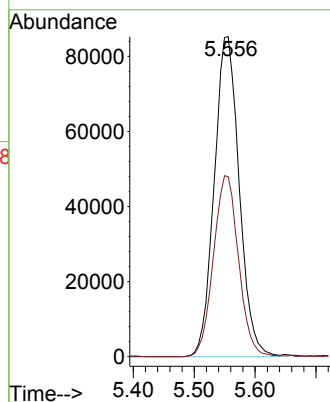
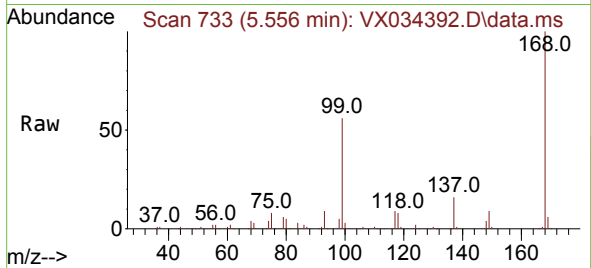




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

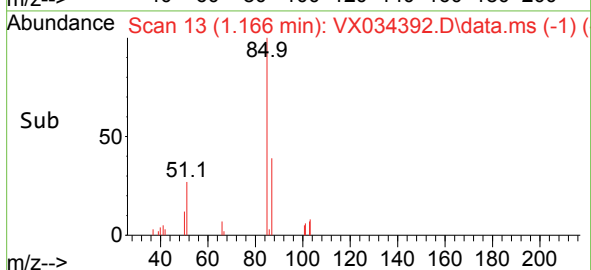
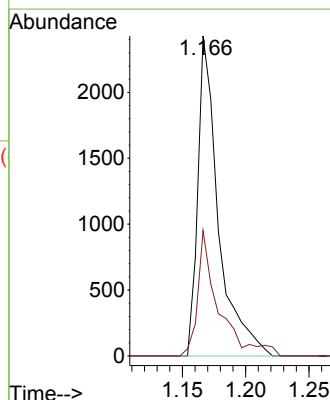
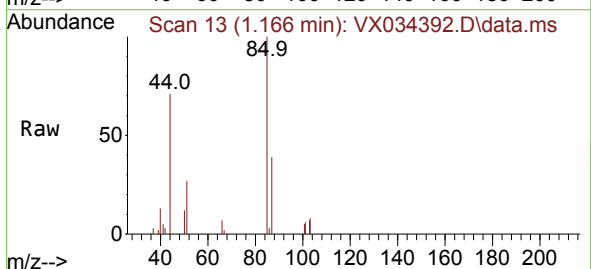
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

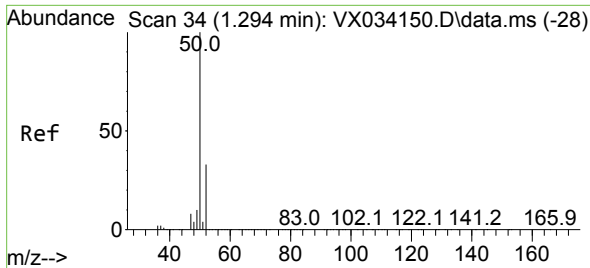
Tgt Ion:168 Resp: 242784
Ion Ratio Lower Upper
168 100
99 56.2 39.6 59.4



#2
Dichlorodifluoromethane
Concen: 1.310 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 85 Resp: 2748
Ion Ratio Lower Upper
85 100
87 39.1 15.8 47.4

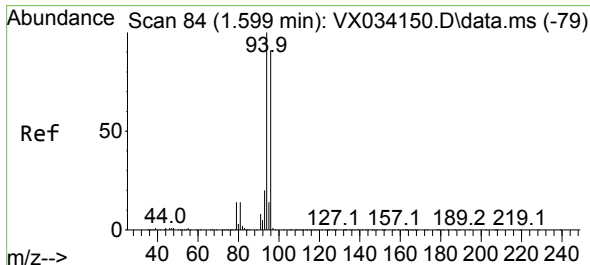
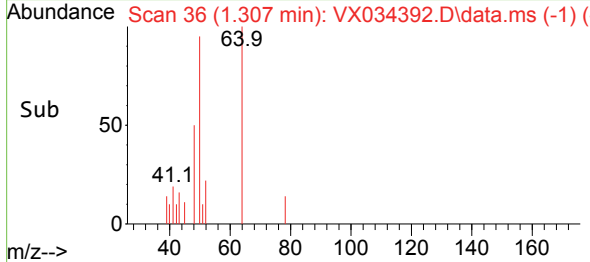
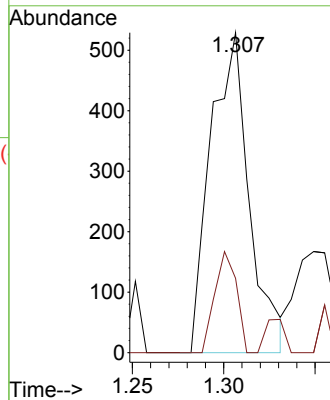
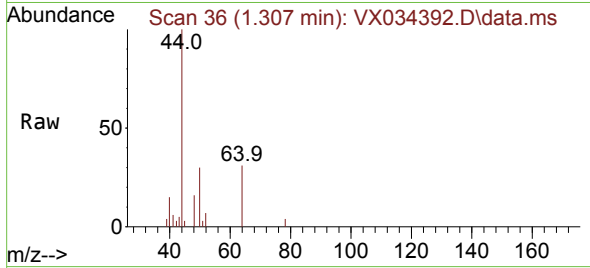




#3
Chloromethane
Concen: 0.257 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.012 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

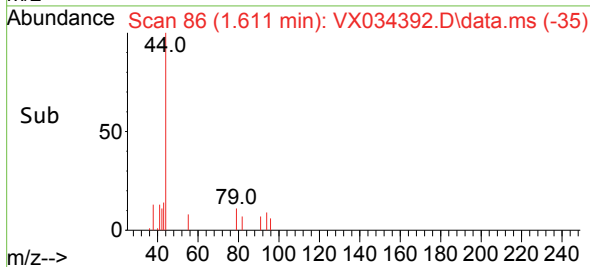
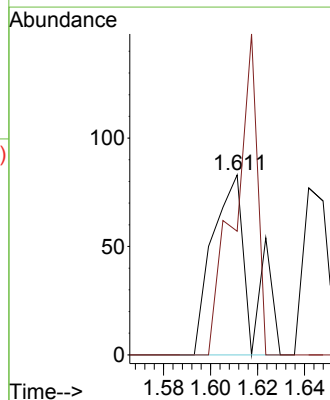
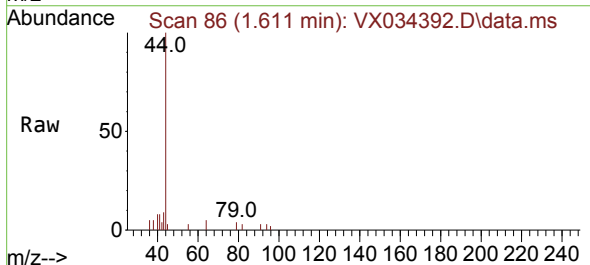
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

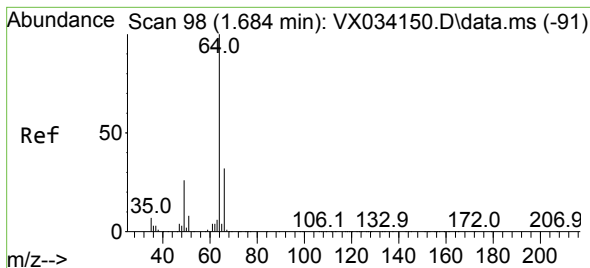
Tgt Ion: 50 Resp: 776
Ion Ratio Lower Upper
50 100
52 23.3 25.2 37.8#



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 94 Resp: 93
Ion Ratio Lower Upper
94 100
96 68.7 74.3 111.5#

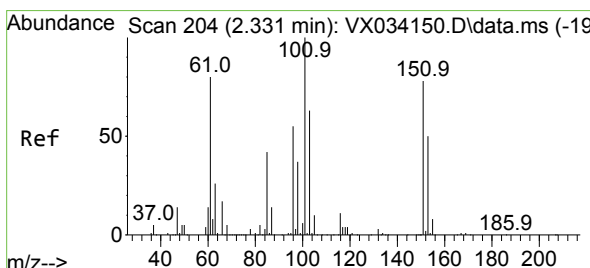
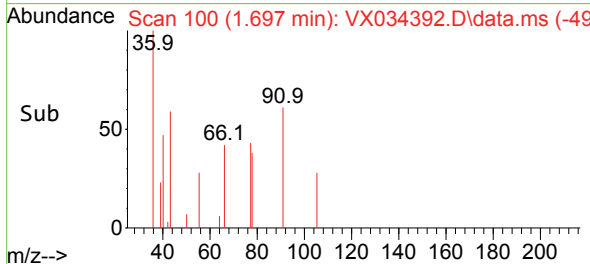
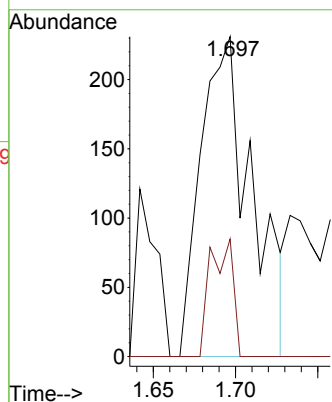
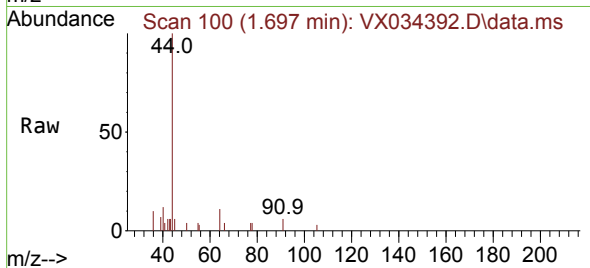




#6
Chloroethane
Concen: 0.358 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

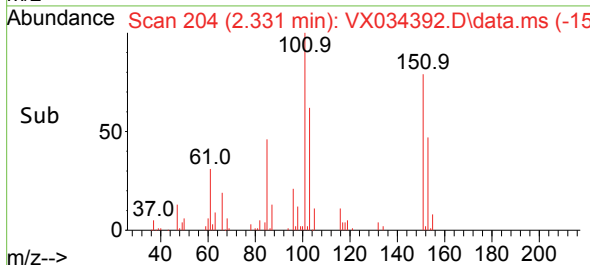
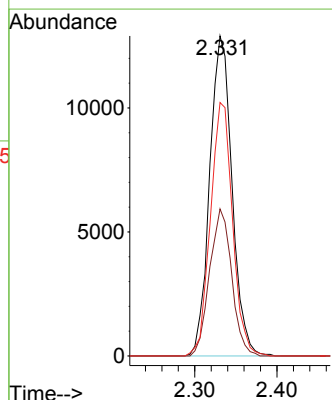
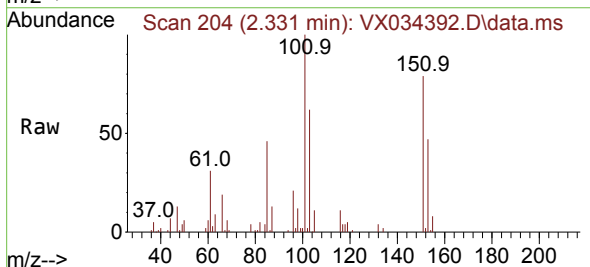
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

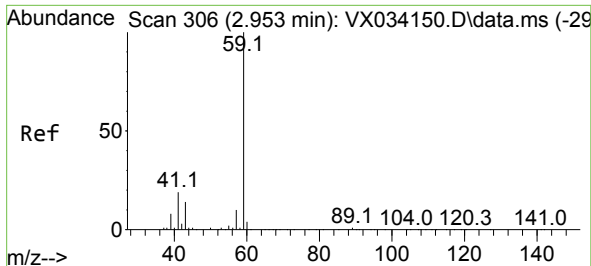
Tgt Ion: 64 Resp: 495
Ion Ratio Lower Upper
64 100
66 36.8 26.1 39.1



#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.298 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 101 Resp: 24356
Ion Ratio Lower Upper
101 100
85 45.3 36.7 55.1
151 78.4 66.5 99.7

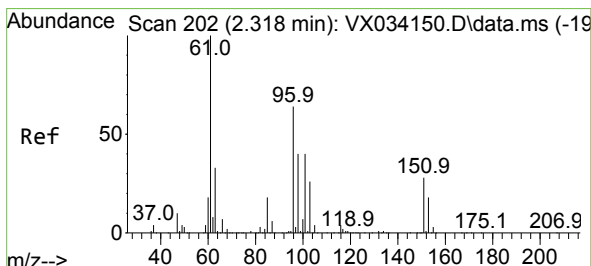
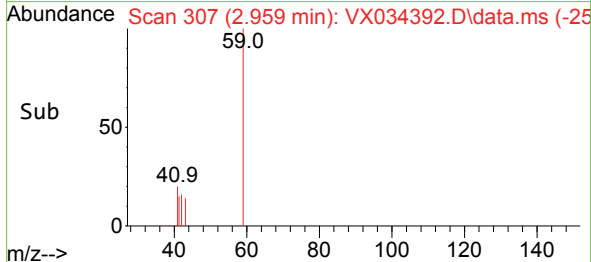
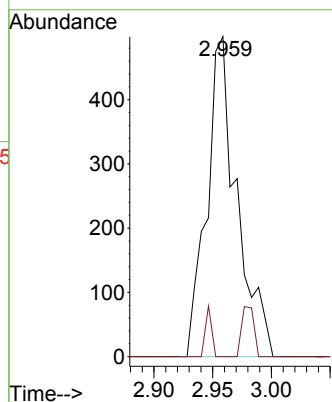
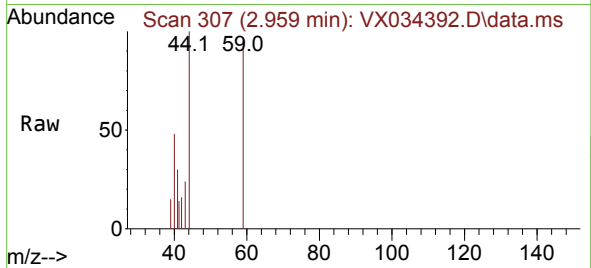




#11
Tert butyl alcohol
Concen: 1.207 ug/l
RT: 2.959 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

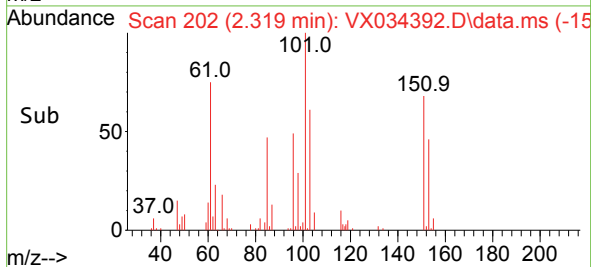
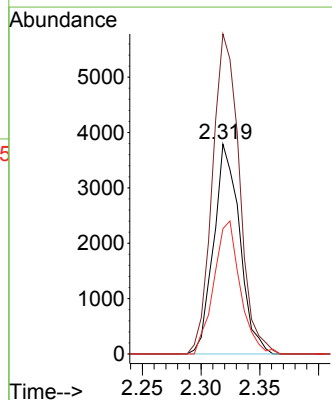
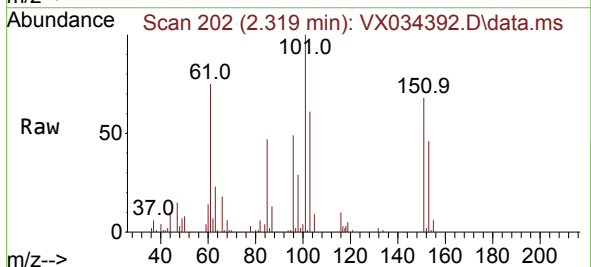
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

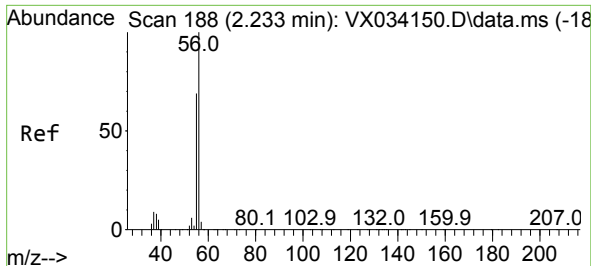
Tgt Ion: 59 Resp: 883
Ion Ratio Lower Upper
59 100
57 3.3 3.7 5.5#



#12
1,1-Dichloroethene
Concen: 2.219 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 96 Resp: 5827
Ion Ratio Lower Upper
96 100
61 152.5 134.2 201.4
98 59.7 50.2 75.2

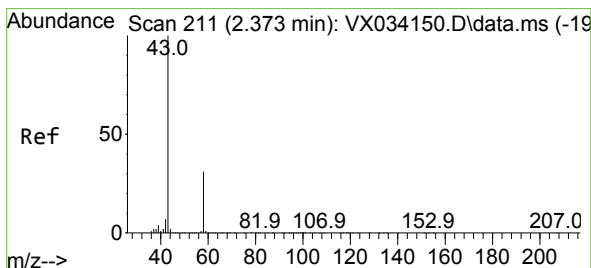
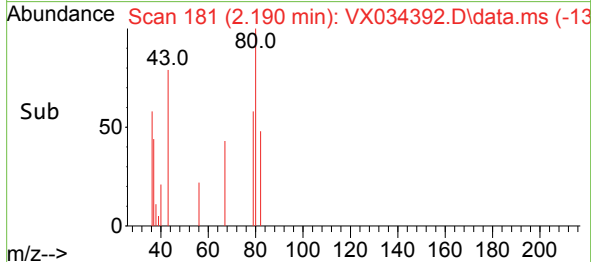
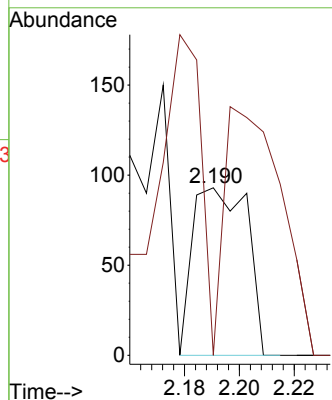
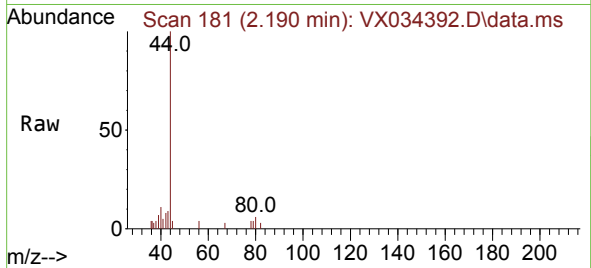




#13
Acrolein
Concen: 0.386 ug/l
RT: 2.190 min Scan# 11
Delta R.T. -0.043 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

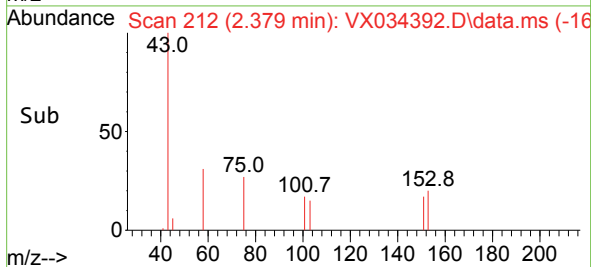
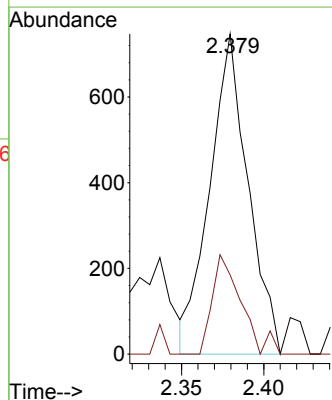
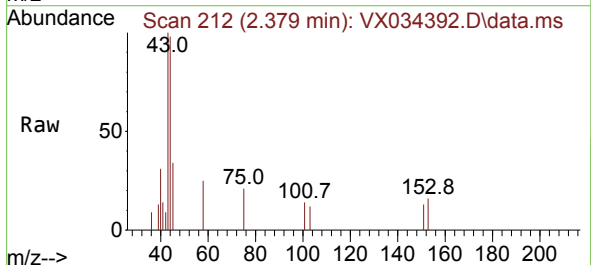
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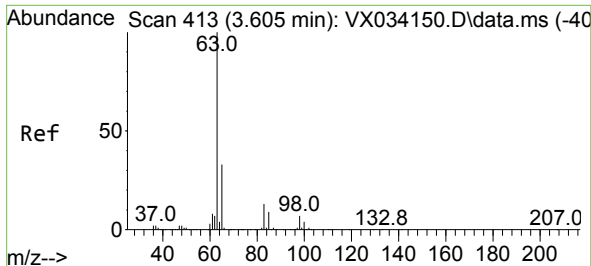
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 153.5 56.3 84.5#



#16
Acetone
Concen: 0.714 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 43 Resp: 1205
Ion Ratio Lower Upper
43 100
58 24.8 22.6 33.8

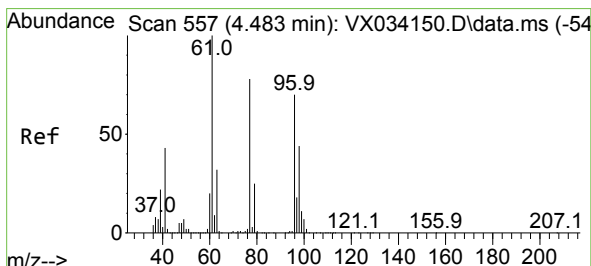
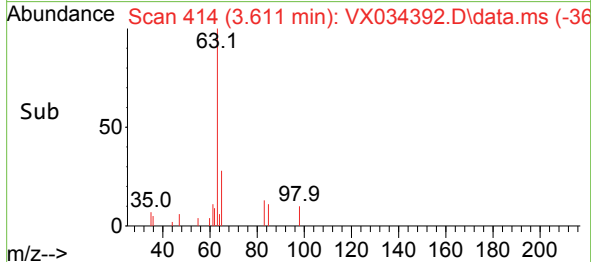
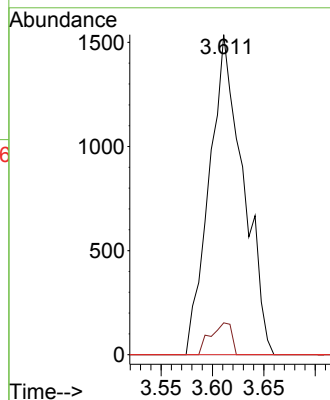
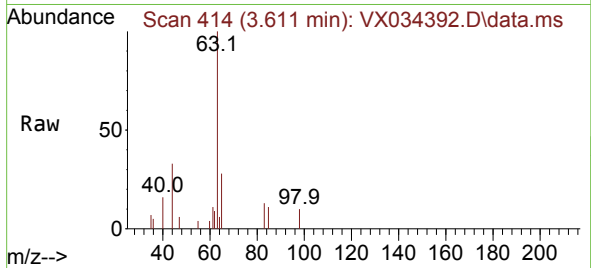




#24
1,1-Dichloroethane
Concen: 0.659 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

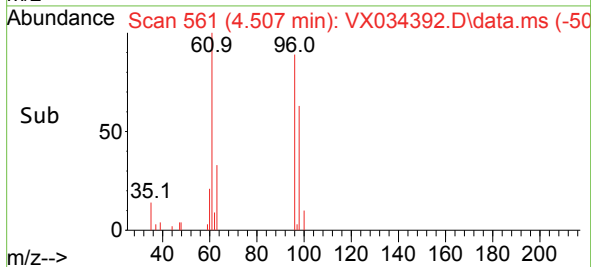
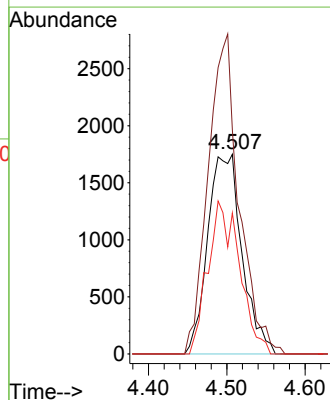
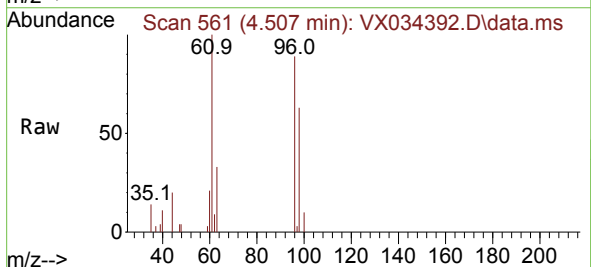
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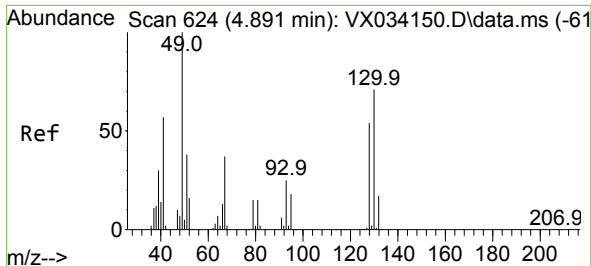
Tgt Ion: 63 Resp: 3531
Ion Ratio Lower Upper
63 100
98 10.0 3.8 11.2
100 0.0 2.4 7.2#



#27
cis-1,2-Dichloroethene
Concen: 1.630 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.024 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 96 Resp: 5312
Ion Ratio Lower Upper
96 100
61 145.0 0.0 277.6
98 70.9 0.0 128.0

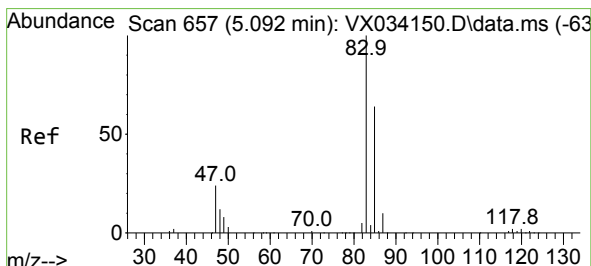
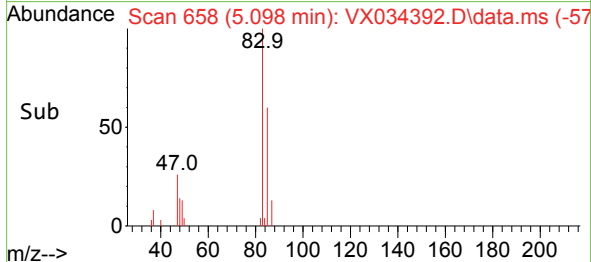
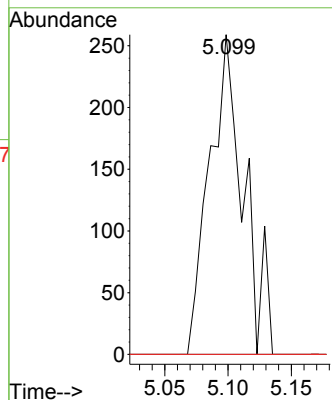
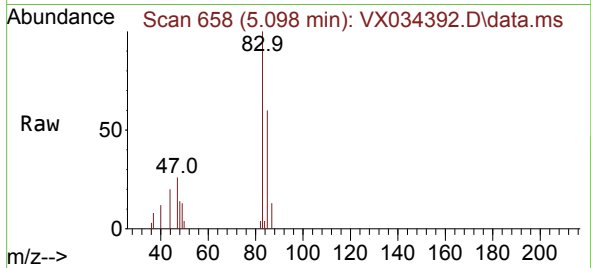




#28
Bromochloromethane
Concen: 0.203 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.207 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

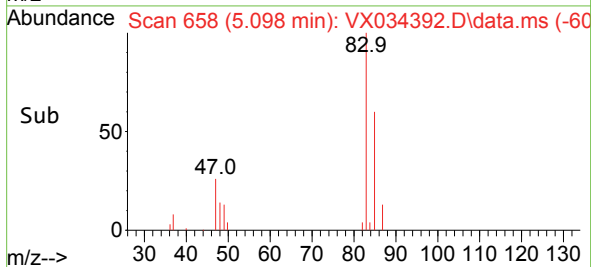
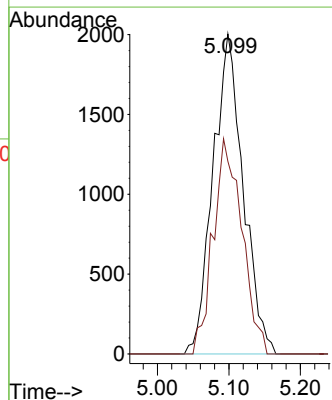
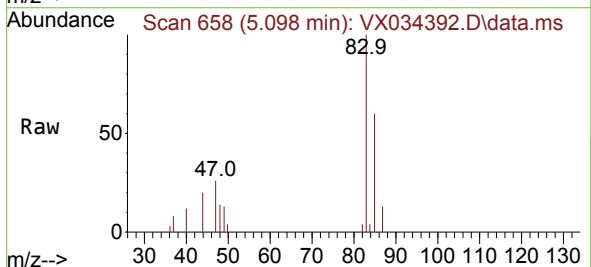
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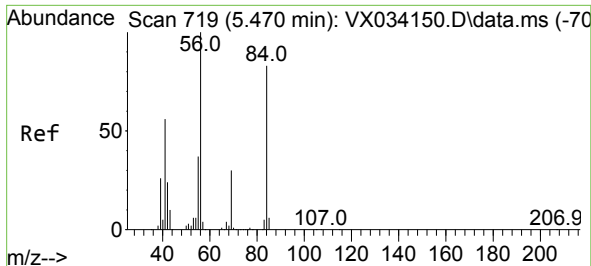
Tgt Ion: 49 Resp: 485
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 68.5 102.7#



#30
Chloroform
Concen: 1.141 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 83 Resp: 5876
Ion Ratio Lower Upper
83 100
85 60.2 52.1 78.1

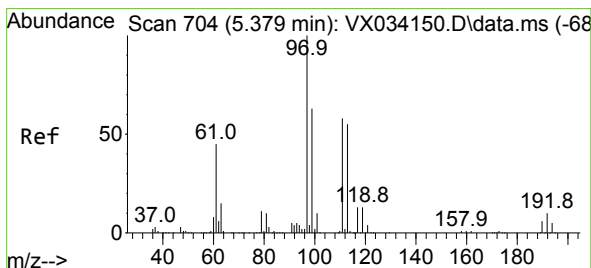
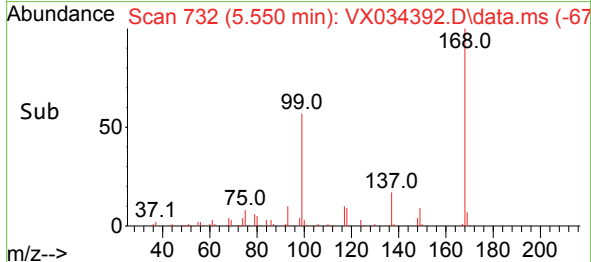
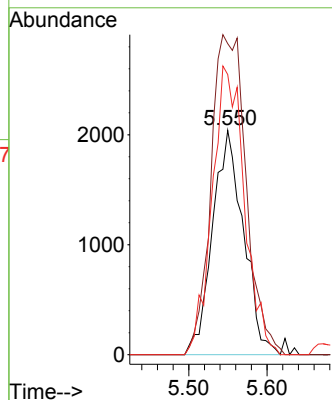
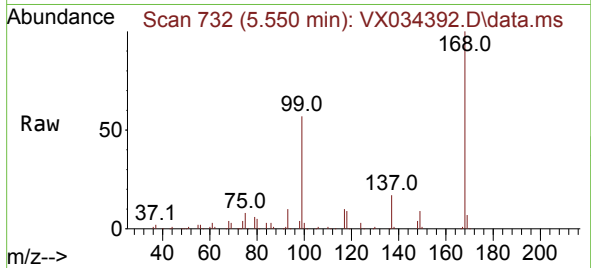




#31
Cyclohexane
Concen: 1.148 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

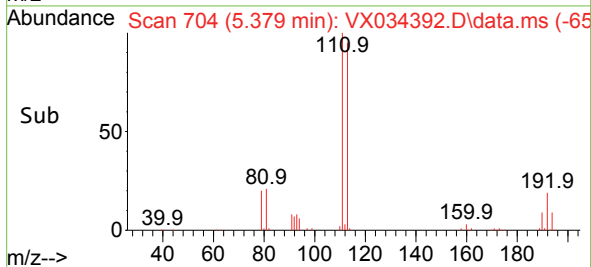
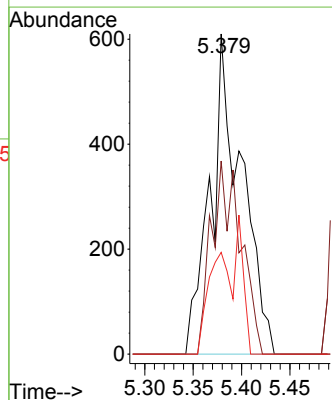
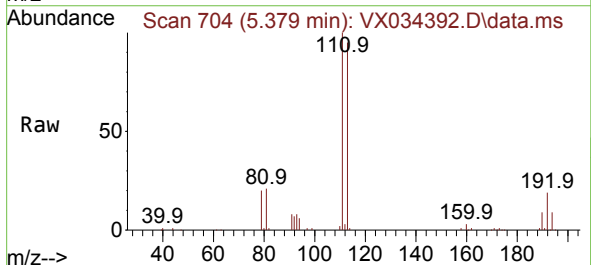
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

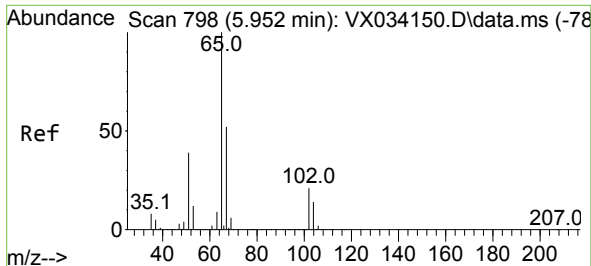
Tgt Ion: 56 Resp: 5606
Ion Ratio Lower Upper
56 100
69 138.6 24.6 37.0#
84 124.9 71.0 106.6#



#32
1,1,1-Trichloroethane
Concen: 0.296 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 97 Resp: 1367
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 23.0 35.2 52.8#

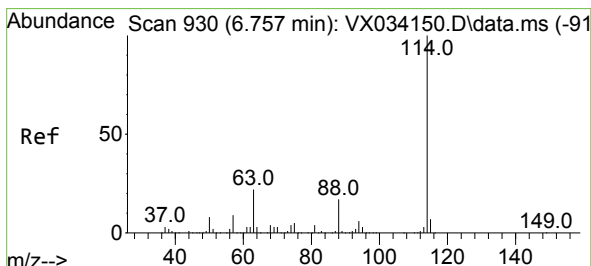
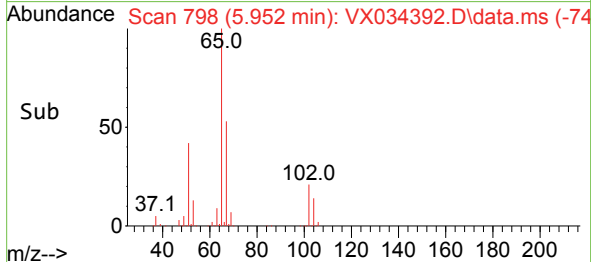
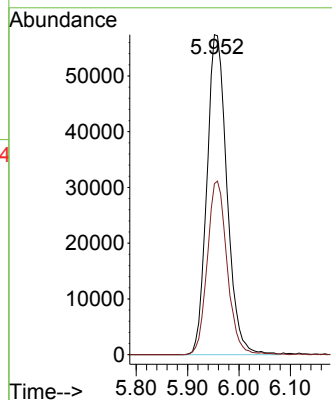
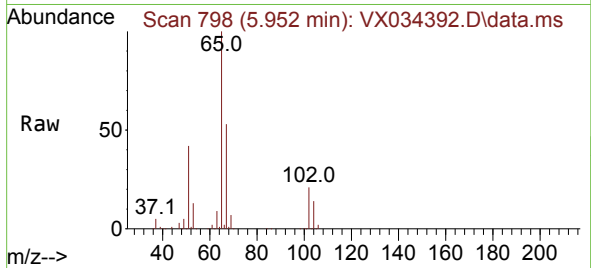




#33
 1,2-Dichloroethane-d4
 Concen: 47.604 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX034392.D
 Acq: 08 Mar 2023 18:40

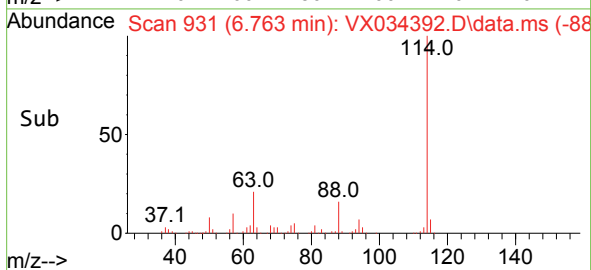
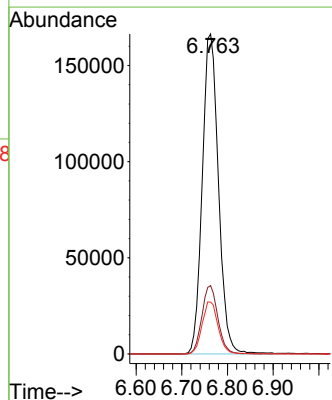
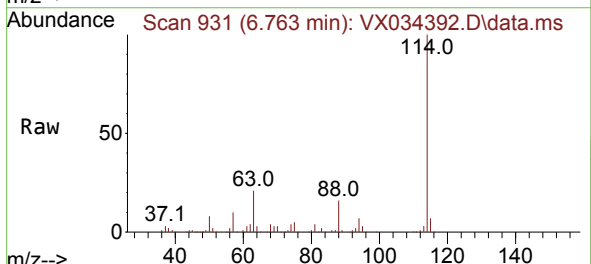
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20230306

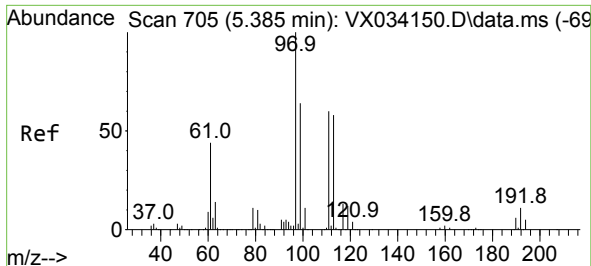
Tgt Ion: 65 Resp: 155653
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034392.D
 Acq: 08 Mar 2023 18:40

Tgt Ion: 114 Resp: 409506
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 37.4
 88 16.2 0.0 30.6

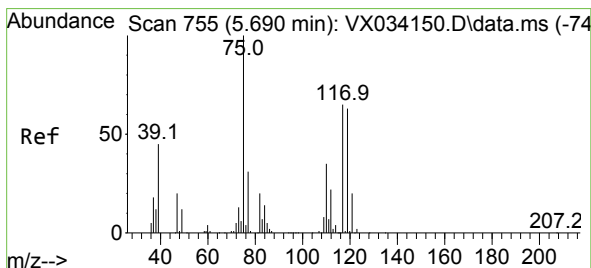
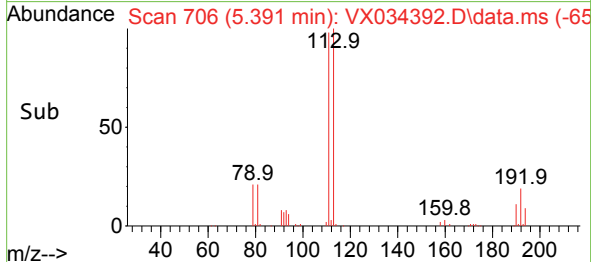
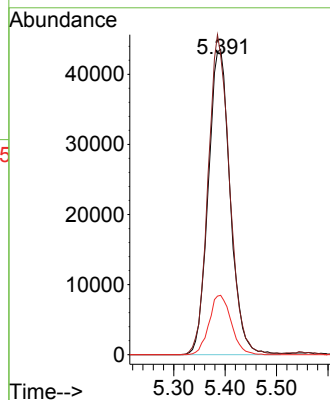
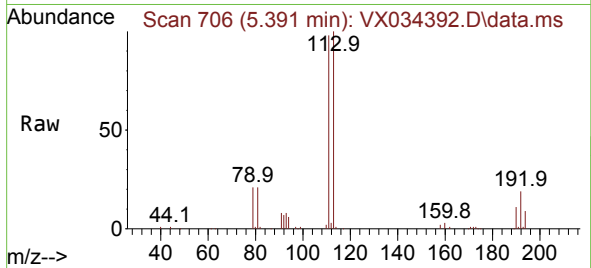




#35
Dibromofluoromethane
Concen: 48.420 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

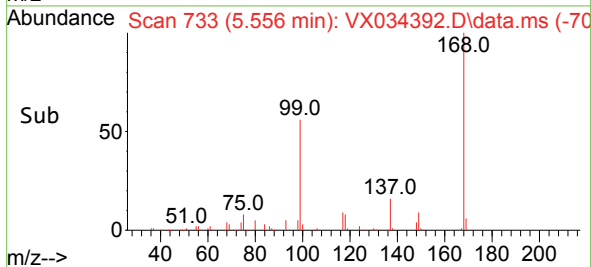
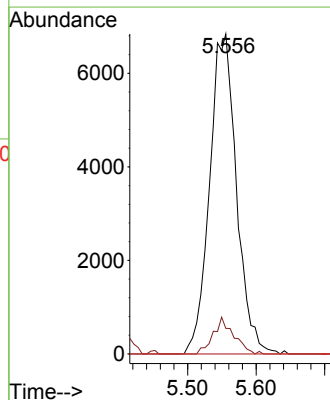
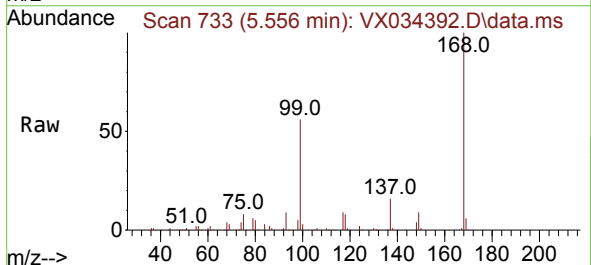
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

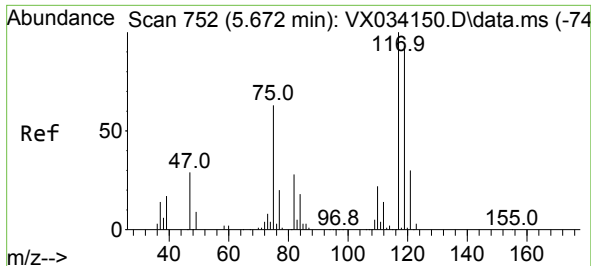
Tgt Ion:113 Resp: 129101
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 19.6 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.722 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 75 Resp: 18620
Ion Ratio Lower Upper
75 100
110 8.7 18.8 56.4#
77 0.0 25.1 37.7#

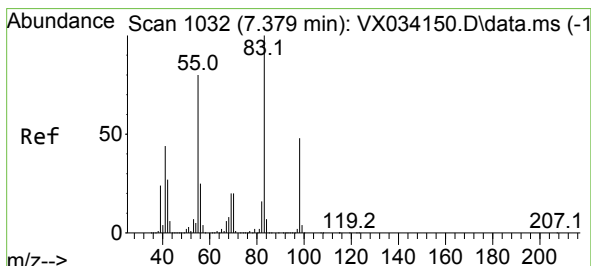
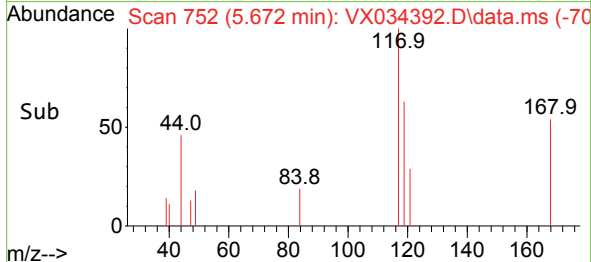
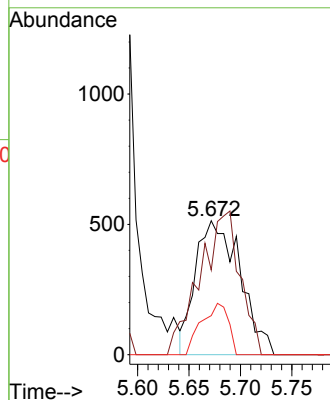
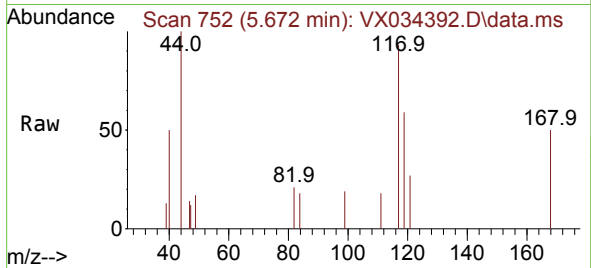




#38
Carbon Tetrachloride
Concen: 0.382 ug/l
RT: 5.672 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

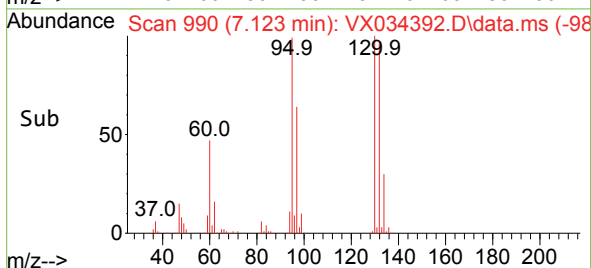
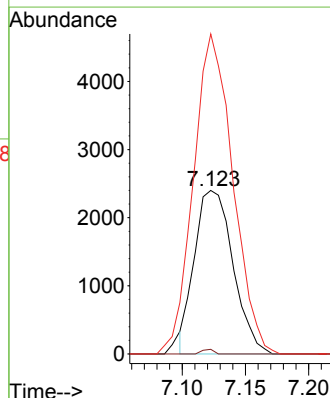
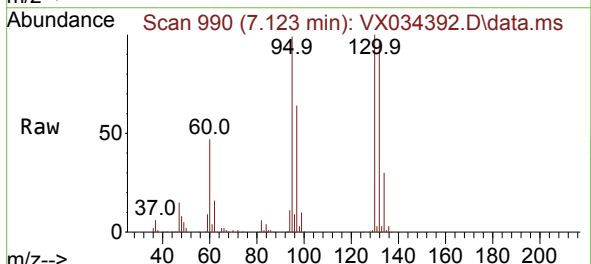
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

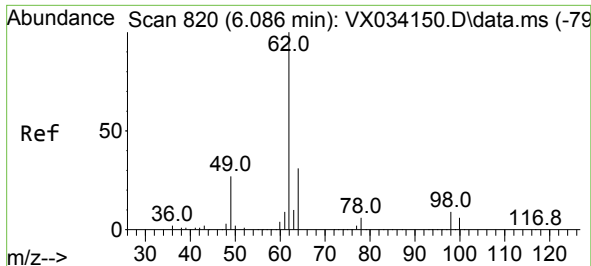
Tgt Ion:117 Resp: 1550
Ion Ratio Lower Upper
117 100
119 63.2 78.0 117.0#
121 29.2 24.4 36.6



#39
Methylcyclohexane
Concen: 1.000 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 83 Resp: 5076
Ion Ratio Lower Upper
83 100
55 2.8 61.8 92.6#
98 195.7 39.3 58.9#





#42

1,2-Dichloroethane

Concen: 0.234 ug/l

RT: 6.104 min Scan# 81

Delta R.T. 0.018 min

Lab File: VX034392.D

Acq: 08 Mar 2023 18:40

Instrument :

MSVOA_X

ClientSampleId :

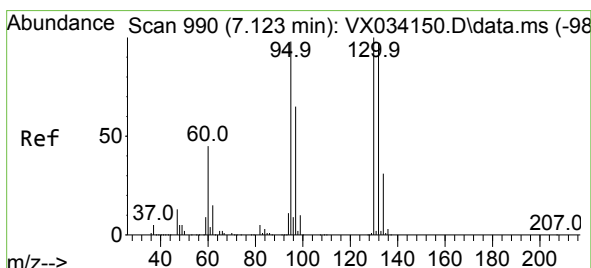
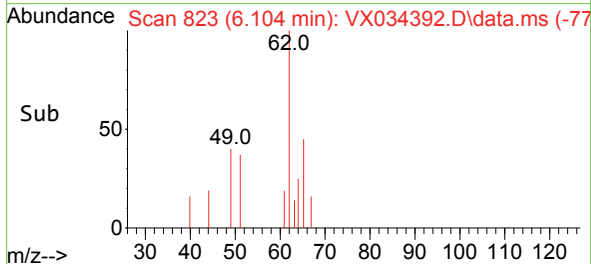
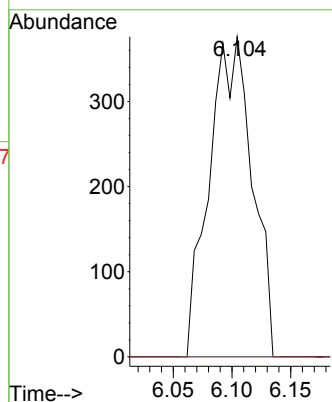
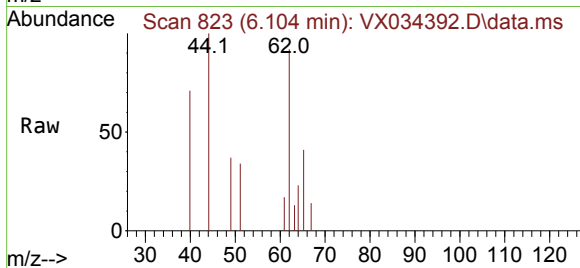
RE132D5-20230306

Tgt Ion: 62 Resp: 961

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 136.327 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX034392.D

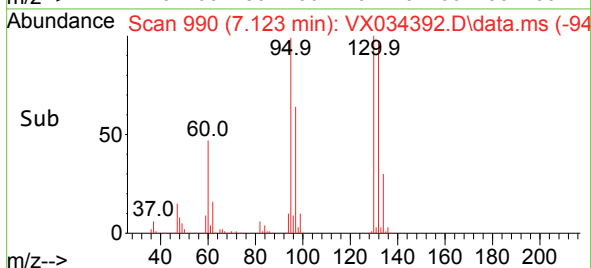
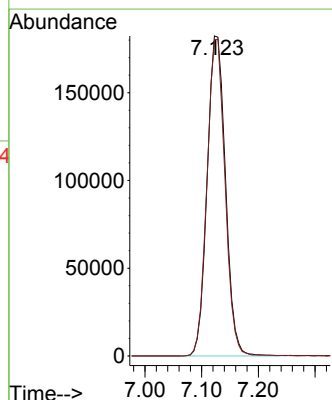
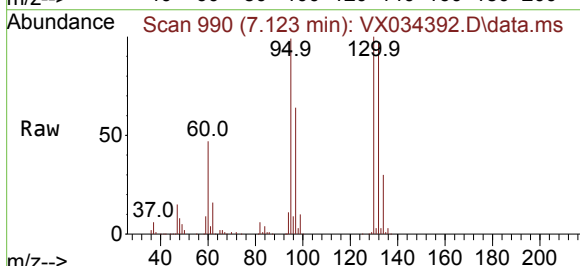
Acq: 08 Mar 2023 18:40

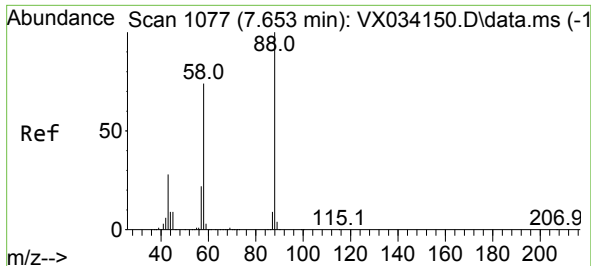
Tgt Ion:130 Resp: 408807

Ion Ratio Lower Upper

130 100

95 98.8 0.0 182.6

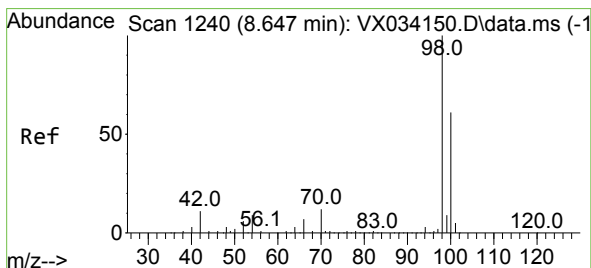
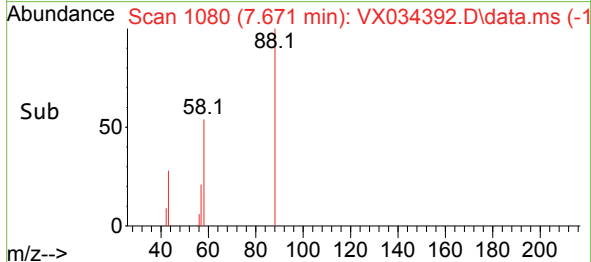
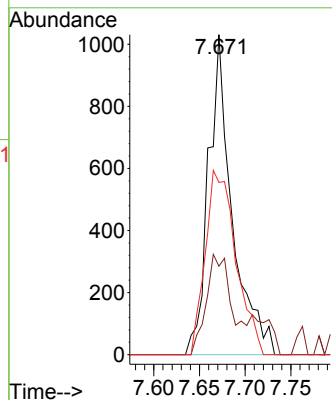
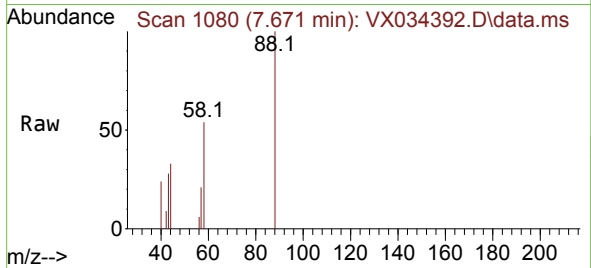




#49
1,4-Dioxane
Concen: 25.332 ug/l
RT: 7.671 min Scan# 1077
Delta R.T. 0.018 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

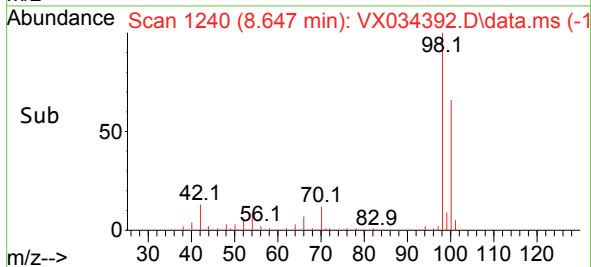
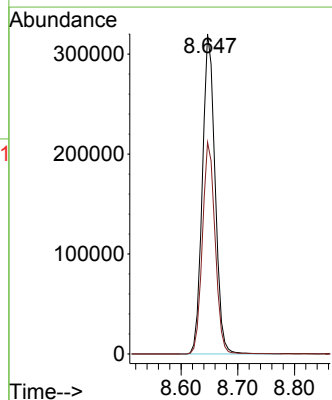
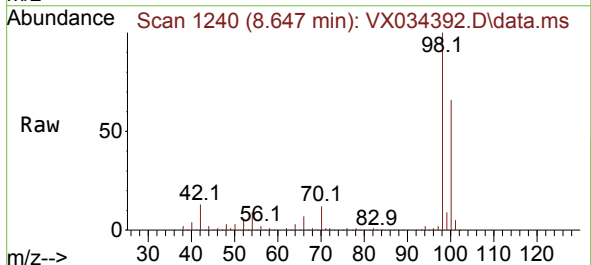
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

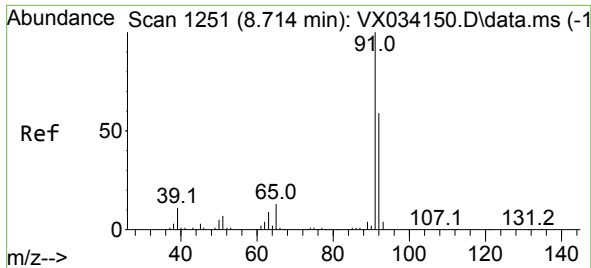
Tgt Ion: 88 Resp: 1865
Ion Ratio Lower Upper
88 100
43 34.0 0.0 0.0#
58 74.1 56.5 84.7



#50
Toluene-d8
Concen: 51.990 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 98 Resp: 497695
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4

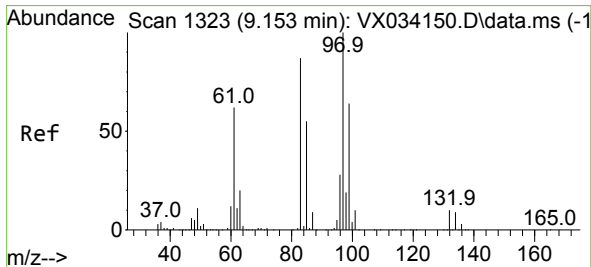
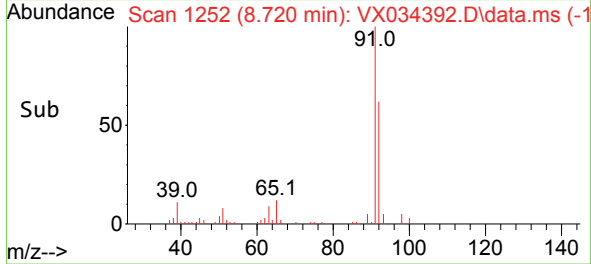
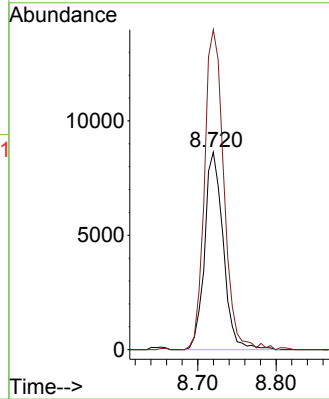
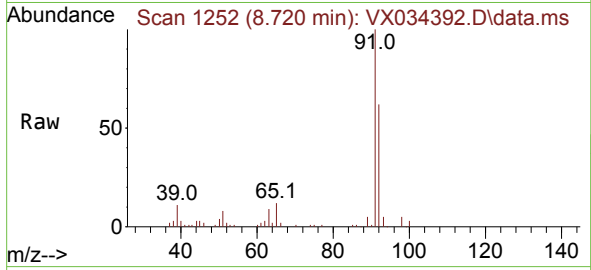




#52
Toluene
Concen: 2.008 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

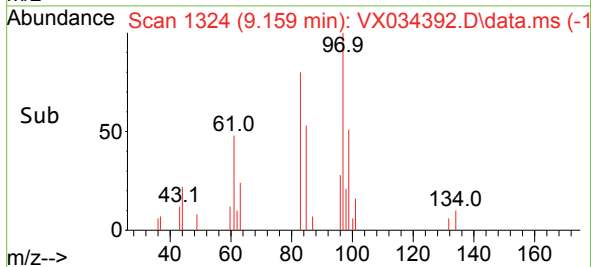
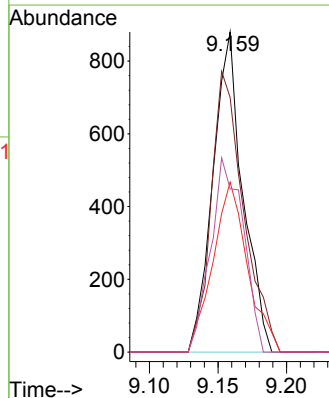
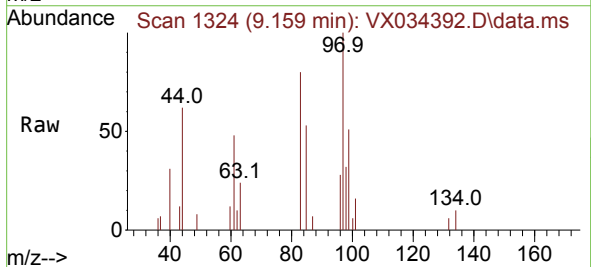
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

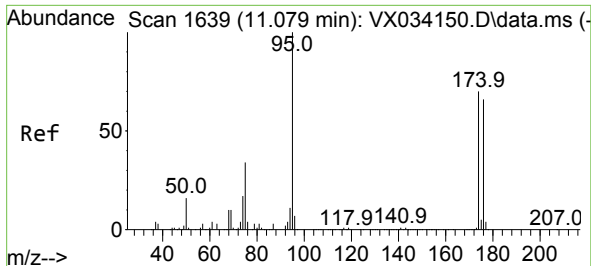
Tgt Ion: 92 Resp: 14215
Ion Ratio Lower Upper
92 100
91 167.3 135.5 203.3



#55
1,1,2-Trichloroethane
Concen: 0.467 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 97 Resp: 1336
Ion Ratio Lower Upper
97 100
83 79.5 67.4 101.0
85 53.1 43.2 64.8
99 51.0 50.2 75.2

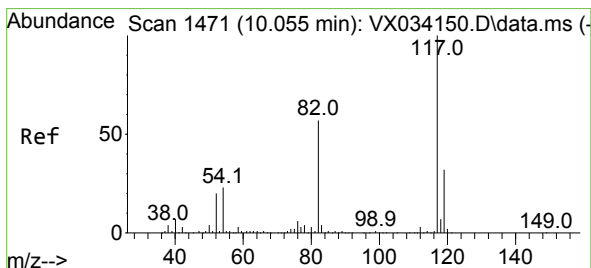
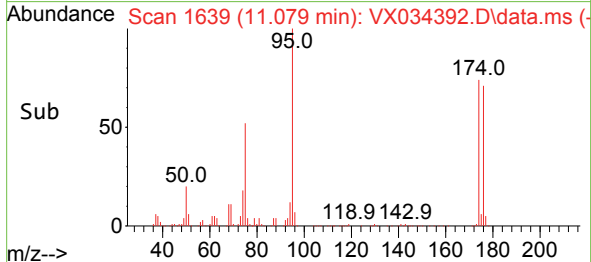
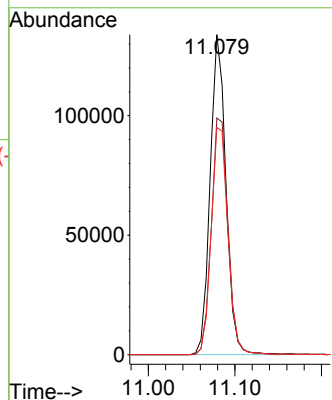
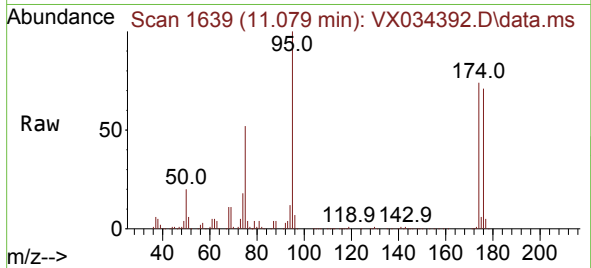




#62
4-Bromofluorobenzene
Concen: 46.198 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

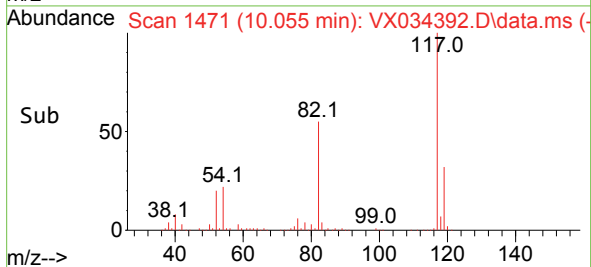
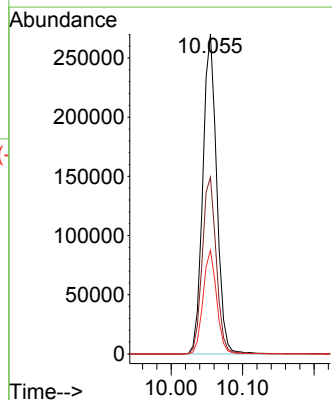
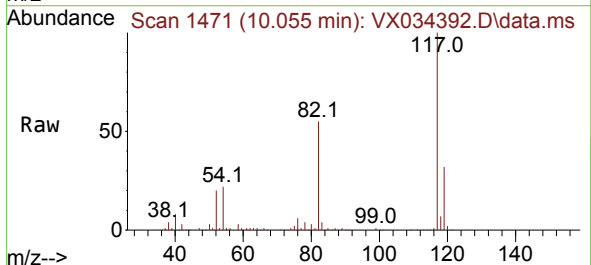
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

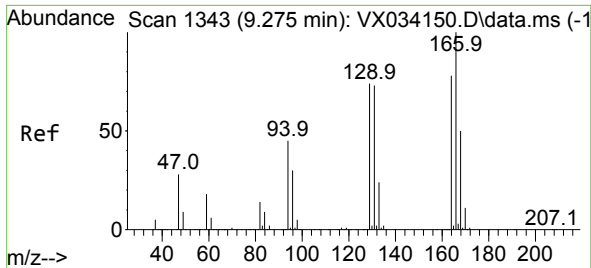
Tgt Ion: 95 Resp: 169163
Ion Ratio Lower Upper
95 100
174 78.5 0.0 184.4
176 75.7 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 117 Resp: 364270
Ion Ratio Lower Upper
117 100
82 55.2 40.6 60.8
119 32.4 25.6 38.4

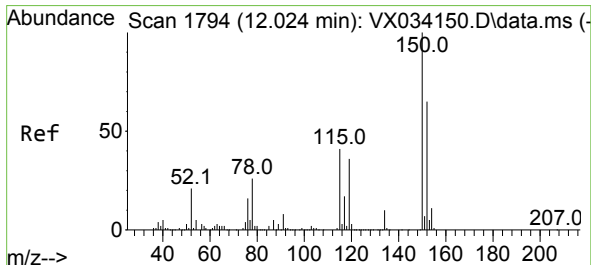
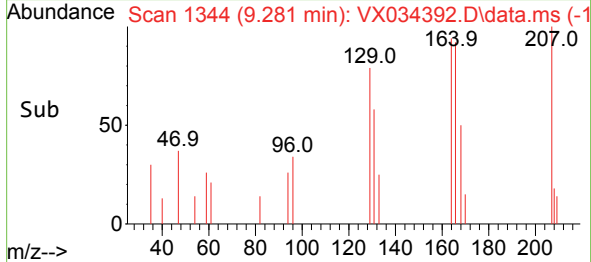
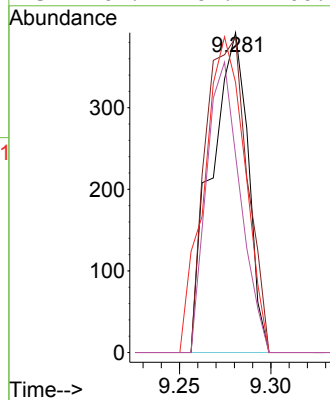
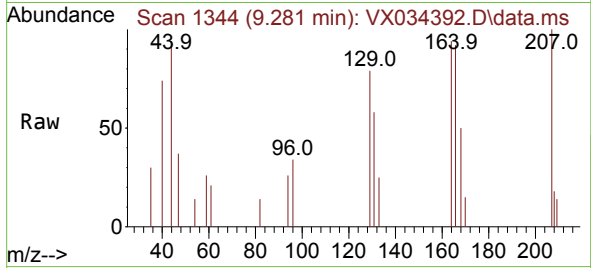




#64
Tetrachloroethene
Concen: 0.212 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

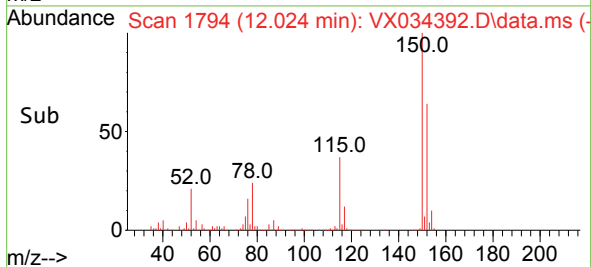
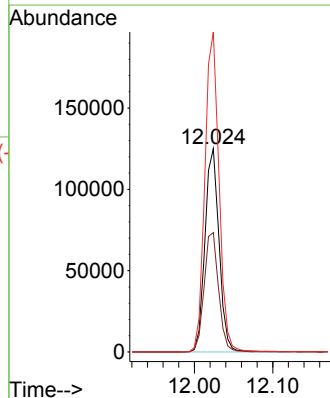
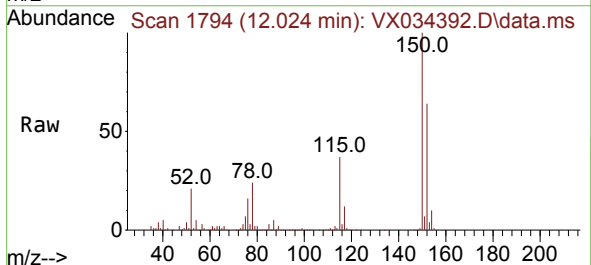
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

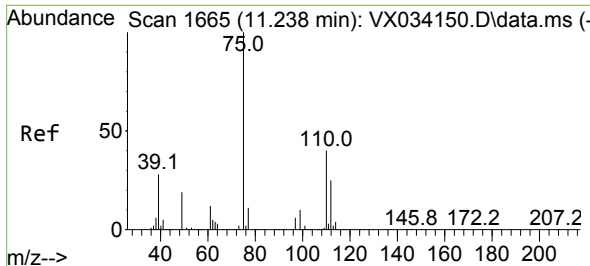
Tgt Ion:164	Resp:	544
Ion Ratio	Lower	Upper
164	100	
166	98.5	100.2 150.2#
129	84.4	69.2 103.8
131	61.7	67.2 100.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion:152	Resp:	156362
Ion Ratio	Lower	Upper
152	100	
115	60.2	38.7 116.1
150	157.6	0.0 348.2

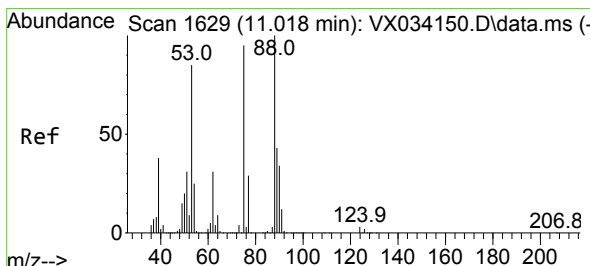
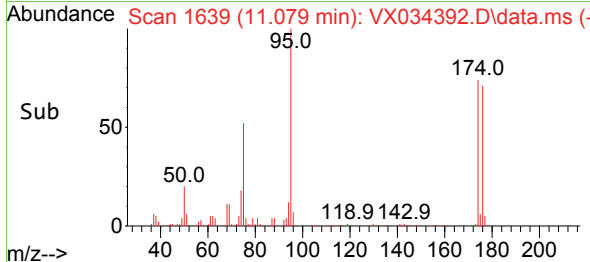
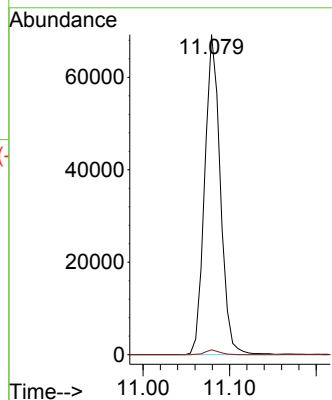
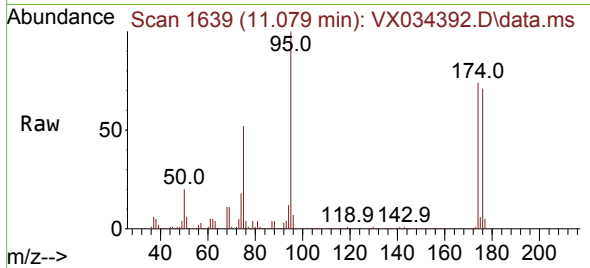




#76
1,2,3-Trichloropropane
Concen: 22.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230306

Tgt Ion: 75 Resp: 86992
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.799 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034392.D
Acq: 08 Mar 2023 18:40

Tgt Ion: 75 Resp: 86992
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.1 37.7 56.5#

