

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
 Data File : VX034391.D
 Acq On : 08 Mar 2023 18:17
 Operator : JC/MD
 Sample : 01843-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20230306

Quant Time: Mar 09 04:02:02 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)

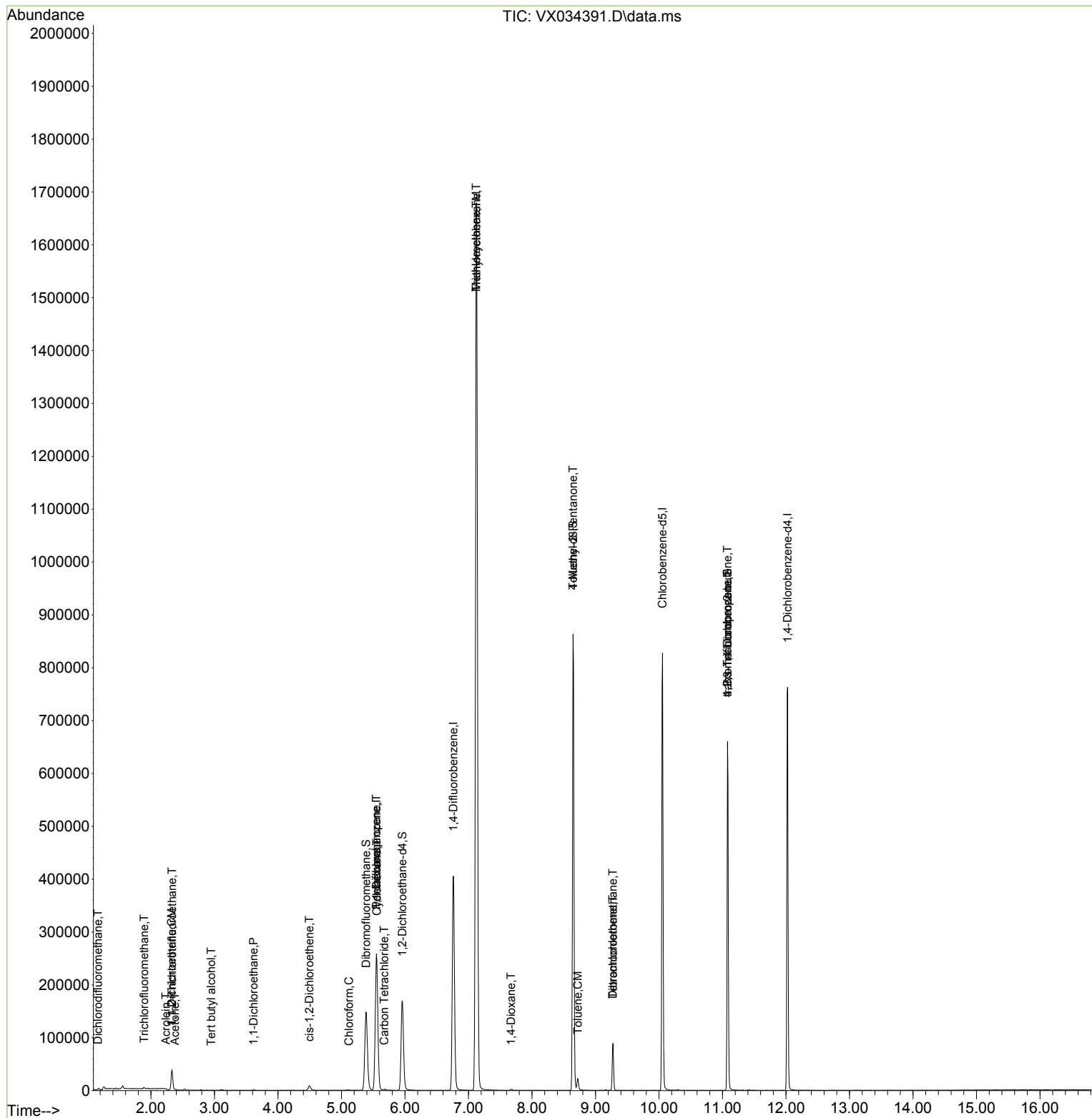
Internal Standards						
1) Pentafluorobenzene	5.550	168	246808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	416734	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	376725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	162254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159209	47.898	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.800%
35) Dibromofluoromethane	5.385	113	128940	47.521	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.040%
50) Toluene-d8	8.647	98	504475	51.784	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.560%
62) 4-Bromofluorobenzene	11.079	95	176006	47.233	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	1006	0.472	ug/l	75
5) Bromomethane	1.605	94	60	Below Cal		86
7) Trichlorofluoromethane	1.892	101	1228	0.325	ug/l #	78
9) 1,1,2-Trichlorotrifluo...	2.331	101	13077	4.911	ug/l	92
11) Tert butyl alcohol	2.947	59	195	0.262	ug/l #	86
12) 1,1-Dichloroethene	2.325	96	2341	0.877	ug/l #	81
13) Acrolein	2.233	56	179	0.527	ug/l	84
16) Acetone	2.380	43	1209	0.705	ug/l	97
24) 1,1-Dichloroethane	3.617	63	1178	0.216	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	5581	1.685	ug/l	94
30) Chloroform	5.117	83	1247	0.238	ug/l #	75
31) Cyclohexane	5.556	56	5458	1.100	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	19067	4.752	ug/l #	48
38) Carbon Tetrachloride	5.672	117	1235	0.299	ug/l #	74
39) Methylcyclohexane	7.123	83	7537	1.460	ug/l #	1
44) Trichloroethene	7.123	130	649390	212.799	ug/l	94
49) 1,4-Dioxane	7.671	88	1737	23.184	ug/l #	86
51) 4-Methyl-2-Pentanone	8.647	43	2546	0.585	ug/l #	1
52) Toluene	8.720	92	8406	1.167	ug/l	97
60) Dibromochloromethane	9.275	129	15912	4.951	ug/l #	11
64) Tetrachloroethene	9.275	164	16636	6.257	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	90260	22.108	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	90260	56.792	ug/l #	8

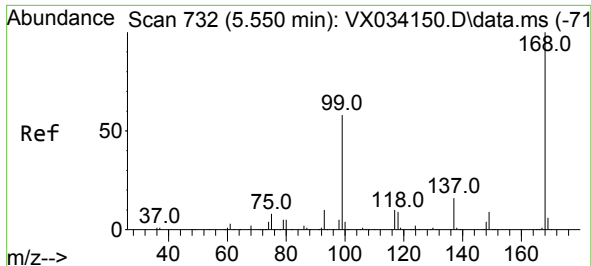
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

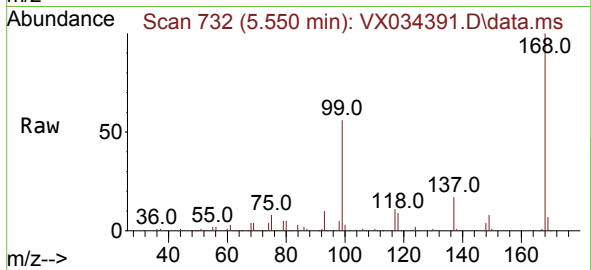
Quant Time: Mar 09 04:02:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration



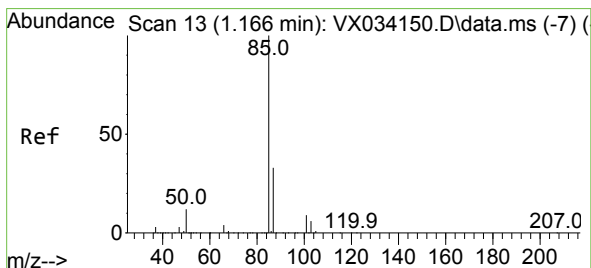
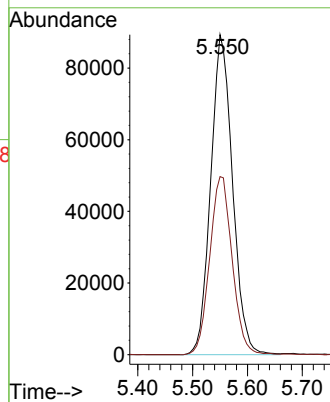
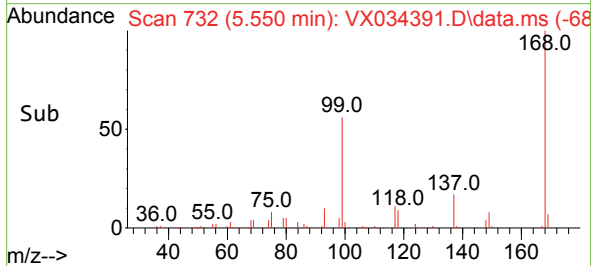


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

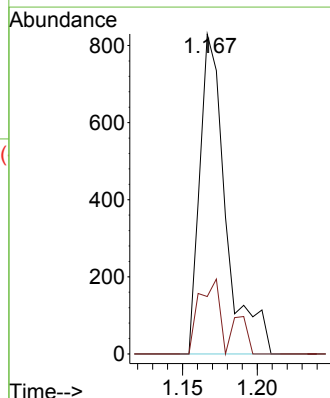
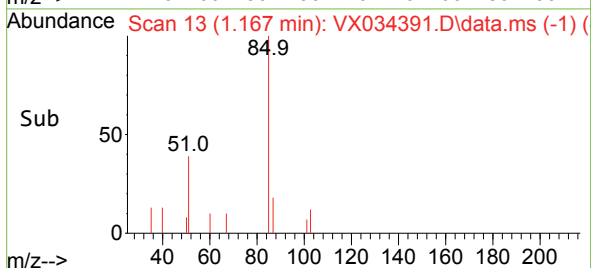
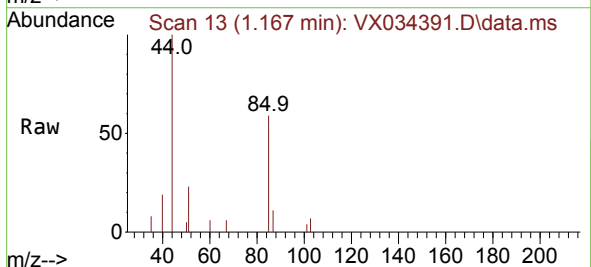


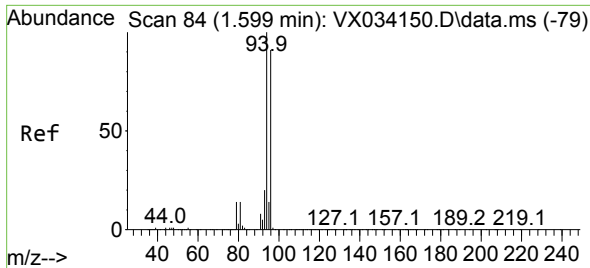
Tgt Ion:168 Resp: 246808
Ion Ratio Lower Upper
168 100
99 55.6 39.6 59.4



#2
Dichlorodifluoromethane
Concen: 0.472 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion: 85 Resp: 1006
Ion Ratio Lower Upper
85 100
87 18.0 15.8 47.4

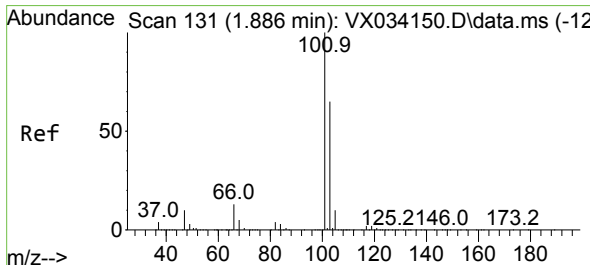
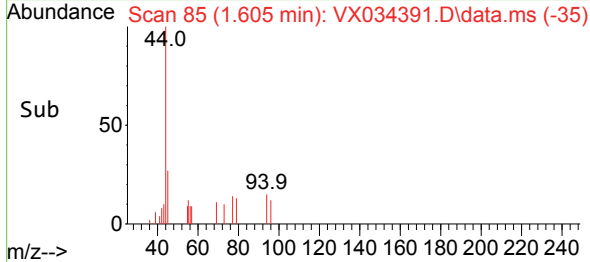
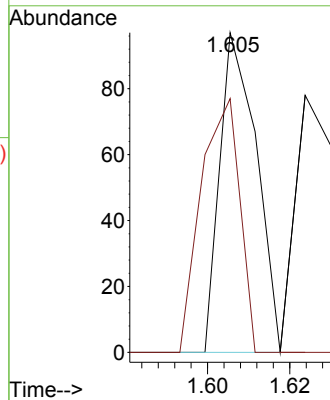
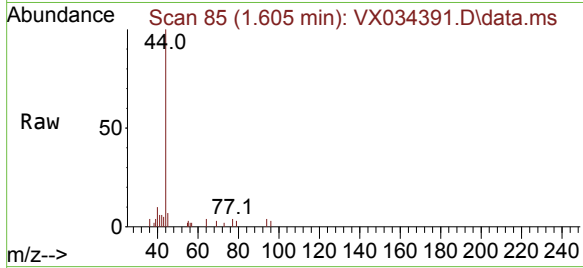




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

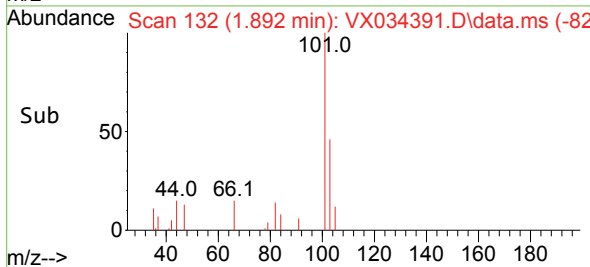
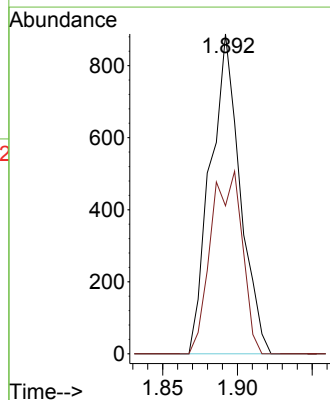
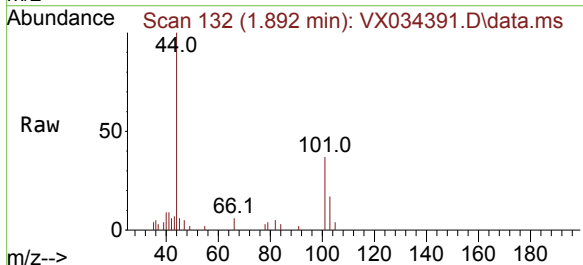
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

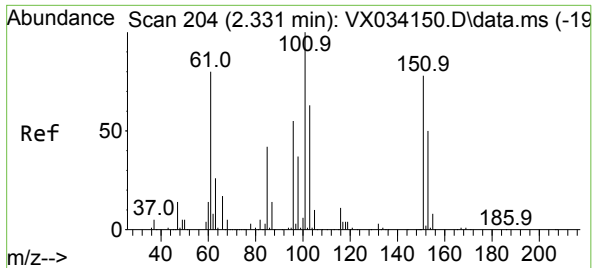
Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 79.4 74.3 111.5



#7
Trichlorofluoromethane
Concen: 0.325 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion:101 Resp: 1228
Ion Ratio Lower Upper
101 100
103 46.3 50.6 75.8#

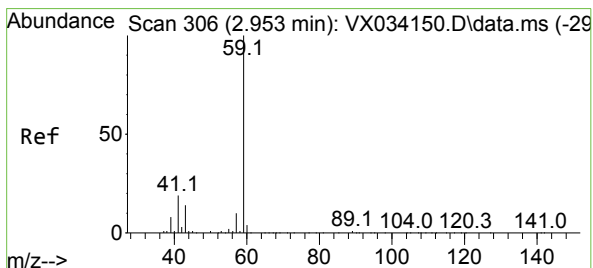
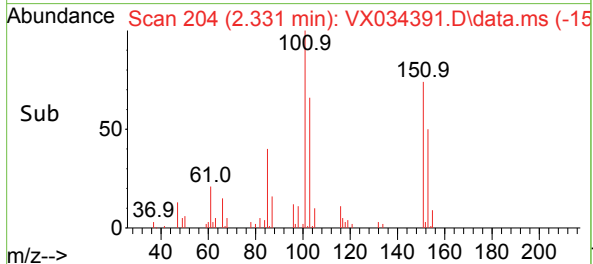
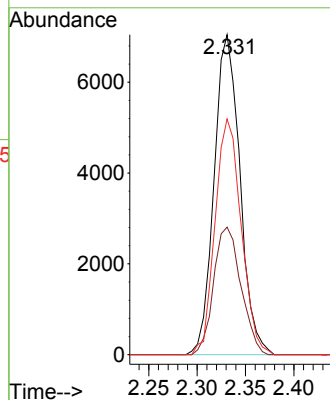
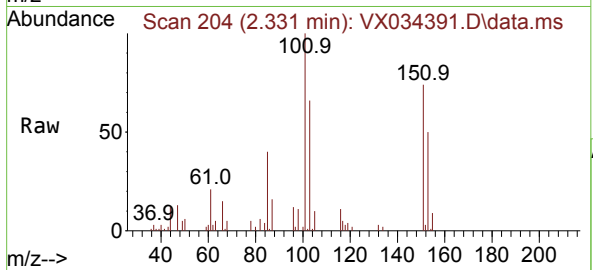




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.911 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

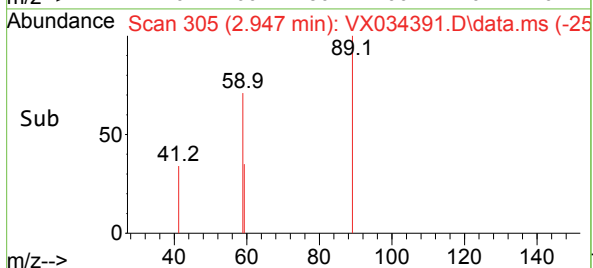
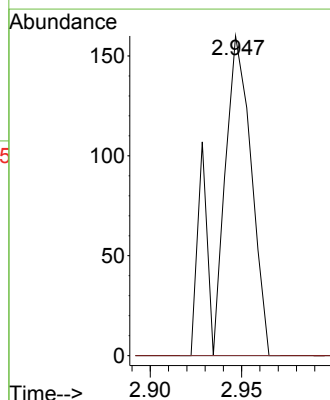
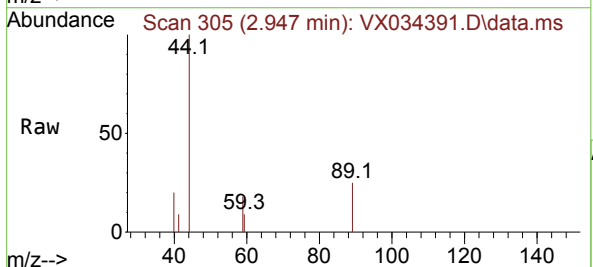
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

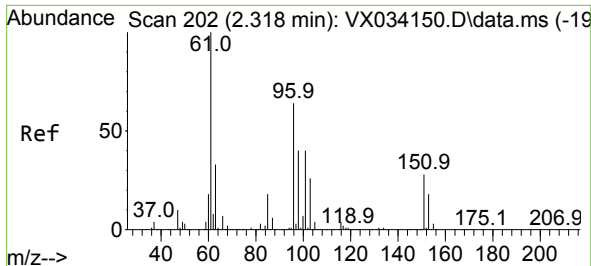
Tgt Ion:101 Resp: 13077
Ion Ratio Lower Upper
101 100
85 42.1 36.7 55.1
151 74.4 66.5 99.7



#11
Tert butyl alcohol
Concen: 0.262 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#





#12

1,1-Dichloroethene

Concen: 0.877 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX034391.D

Acq: 08 Mar 2023 18:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20230306

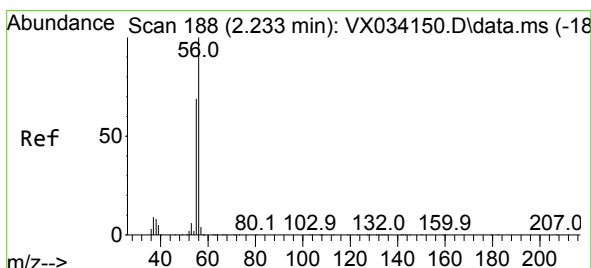
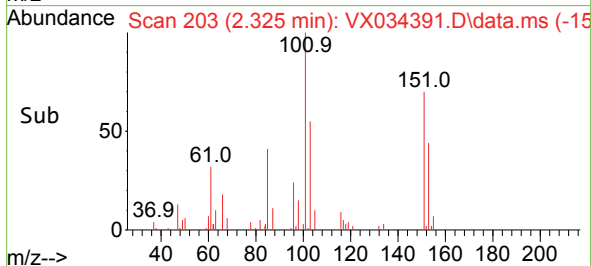
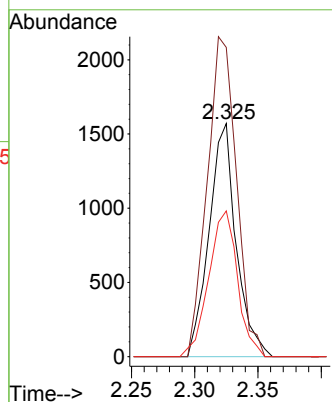
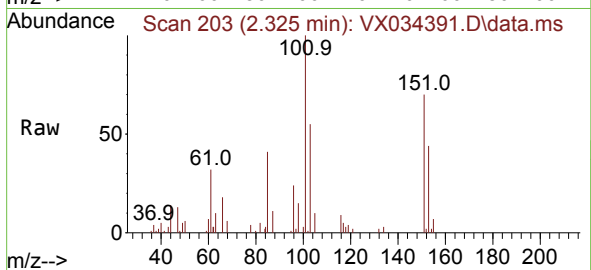
Tgt Ion: 96 Resp: 2341

Ion Ratio Lower Upper

96 100

61 132.7 134.2 201.4#

98 62.5 50.2 75.2



#13

Acrolein

Concen: 0.527 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX034391.D

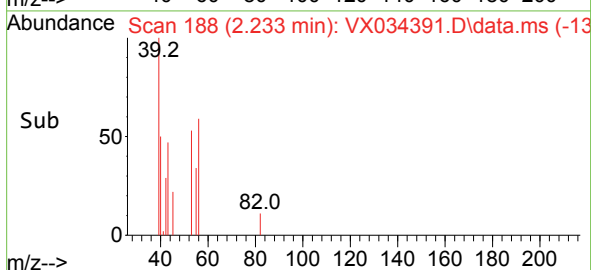
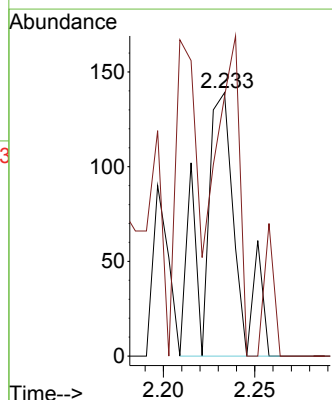
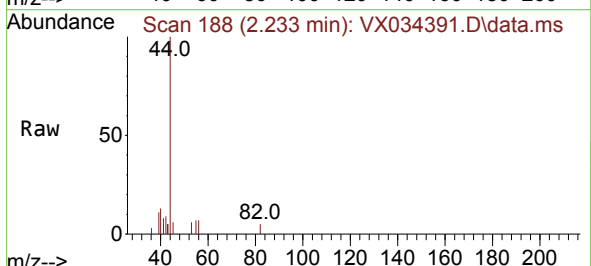
Acq: 08 Mar 2023 18:17

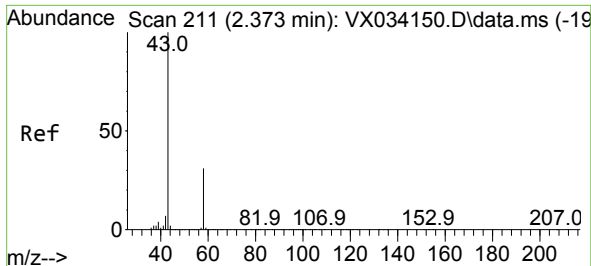
Tgt Ion: 56 Resp: 179

Ion Ratio Lower Upper

56 100

55 83.2 56.3 84.5

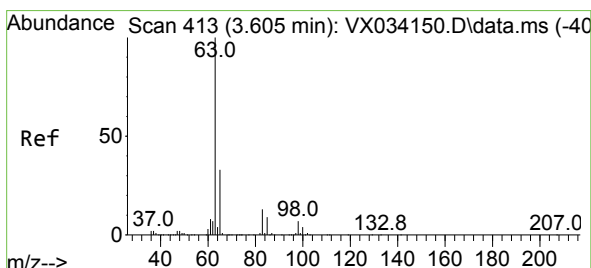
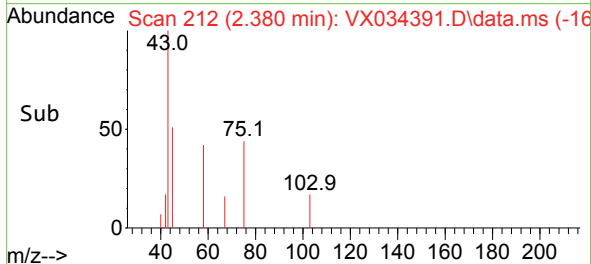
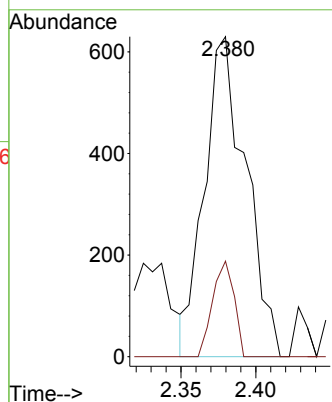
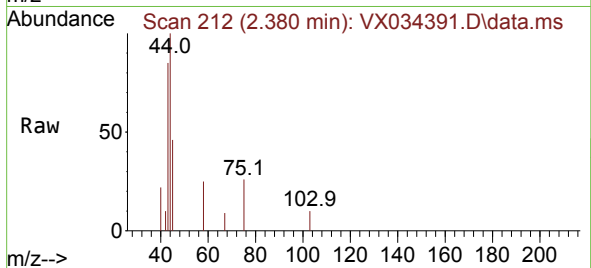




#16
Acetone
Concen: 0.705 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

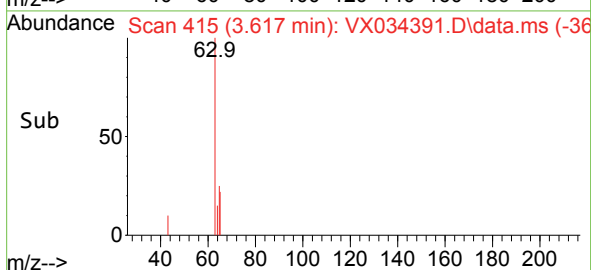
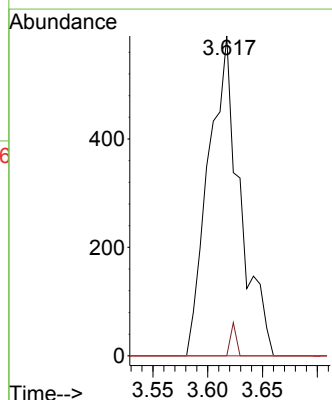
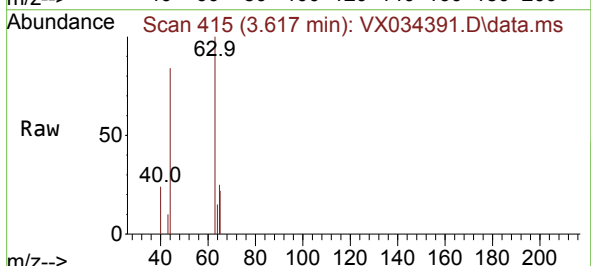
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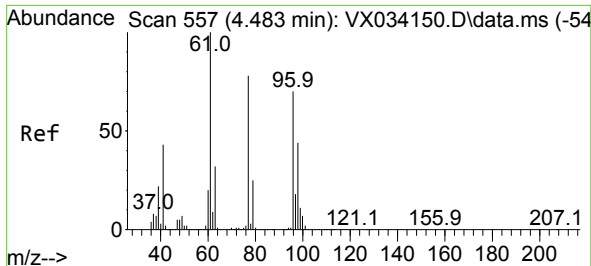
Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 29.8 22.6 33.8



#24
1,1-Dichloroethane
Concen: 0.216 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion: 63 Resp: 1178
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.4 7.2#





#27

cis-1,2-Dichloroethene

Concen: 1.685 ug/l

RT: 4.495 min Scan# 558

Delta R.T. 0.012 min

Lab File: VX034391.D

Acq: 08 Mar 2023 18:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20230306

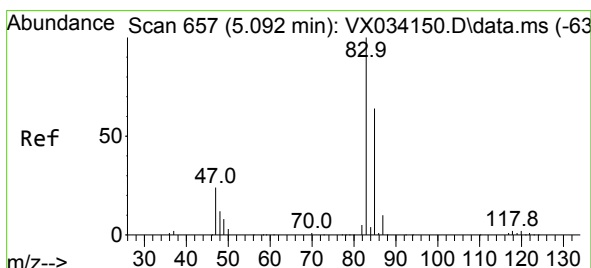
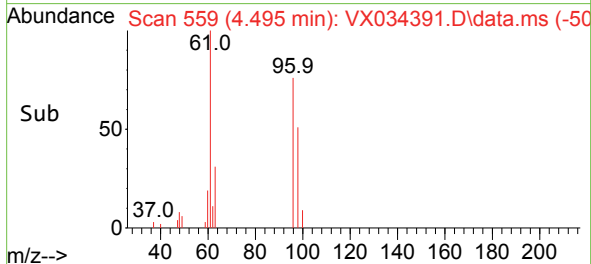
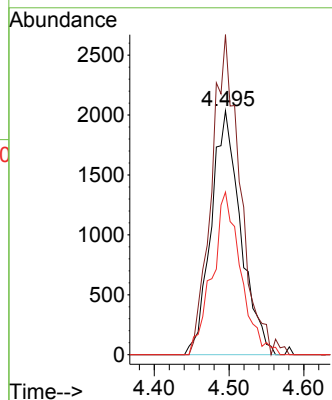
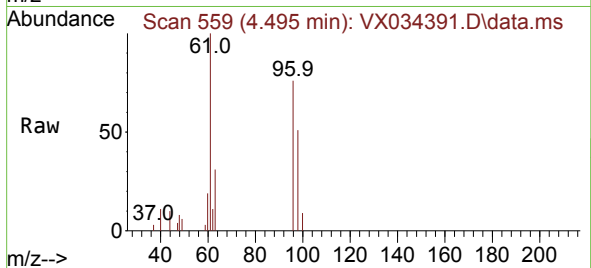
Tgt Ion: 96 Resp: 5581

Ion Ratio Lower Upper

96 100

61 128.1 0.0 277.6

98 64.4 0.0 128.0



#30

Chloroform

Concen: 0.238 ug/l

RT: 5.117 min Scan# 661

Delta R.T. 0.025 min

Lab File: VX034391.D

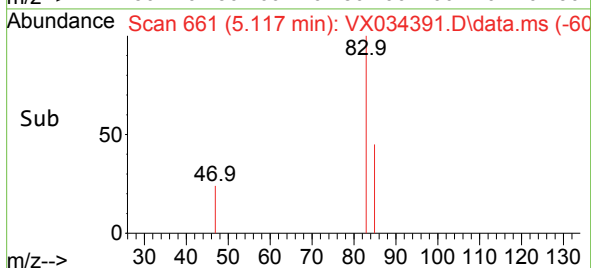
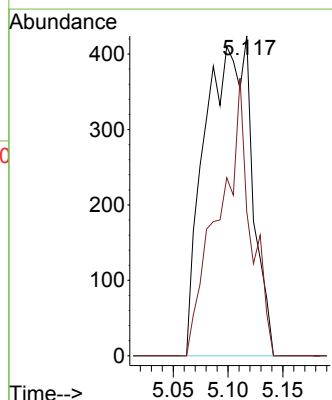
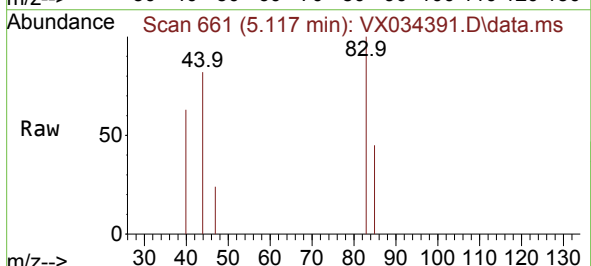
Acq: 08 Mar 2023 18:17

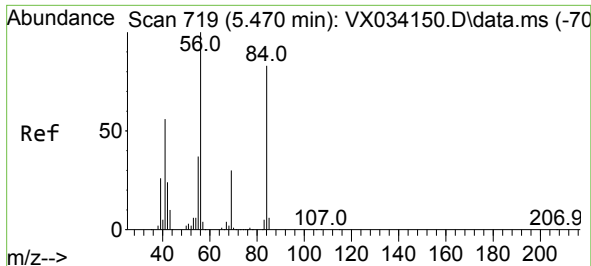
Tgt Ion: 83 Resp: 1247

Ion Ratio Lower Upper

83 100

85 45.0 52.1 78.1#

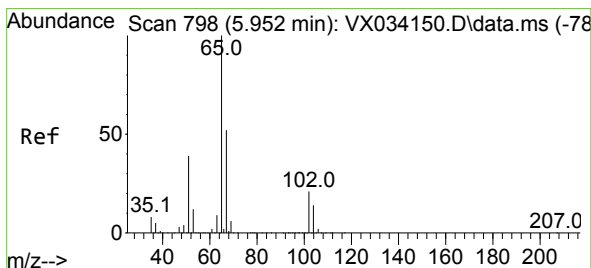
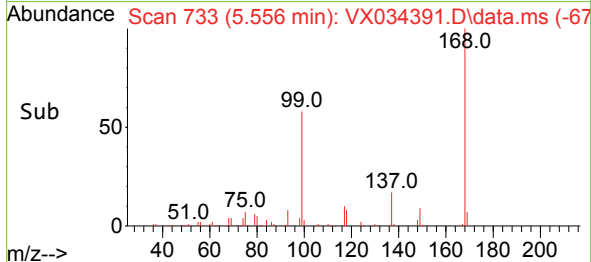
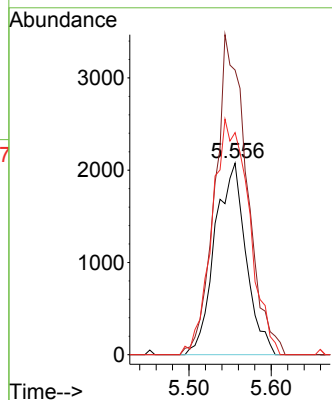
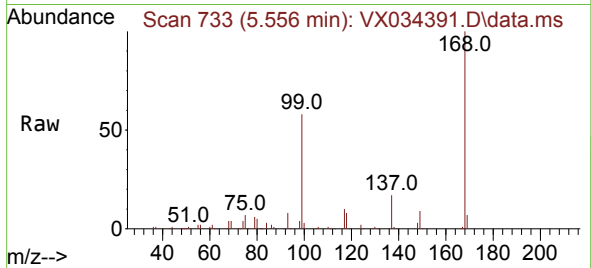




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

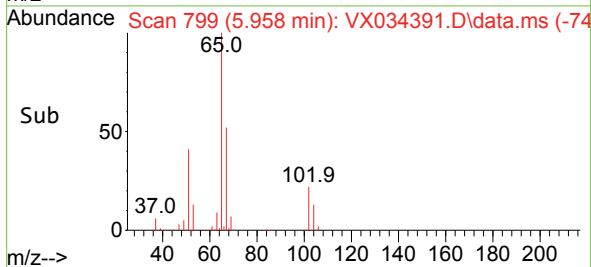
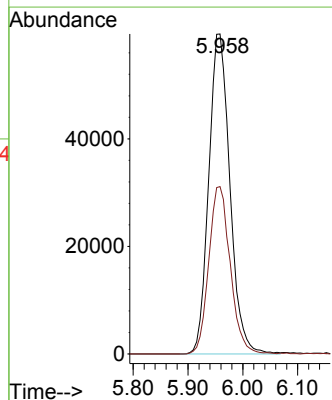
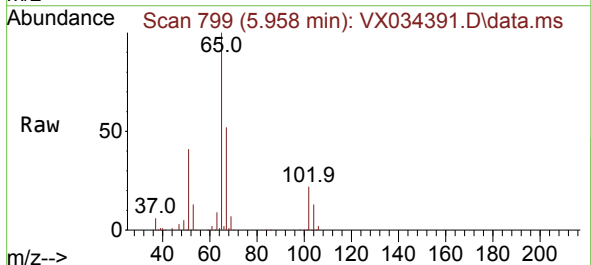
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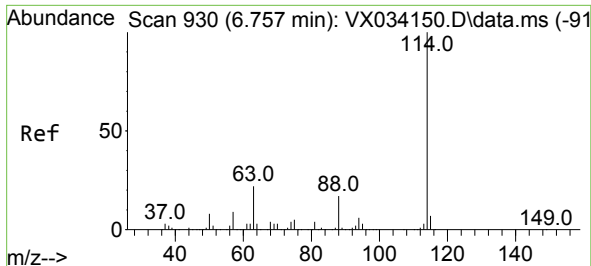
Tgt Ion: 56 Resp: 5458
Ion Ratio Lower Upper
56 100
69 148.7 24.6 37.0#
84 115.9 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 47.898 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion: 65 Resp: 159209
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8

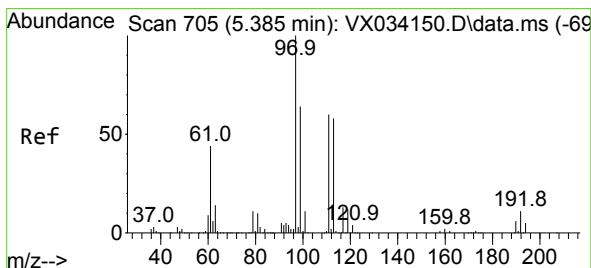
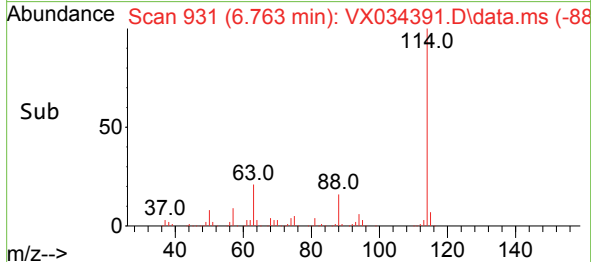
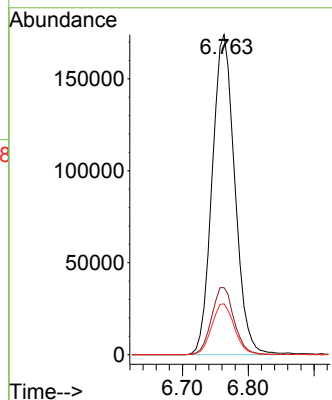
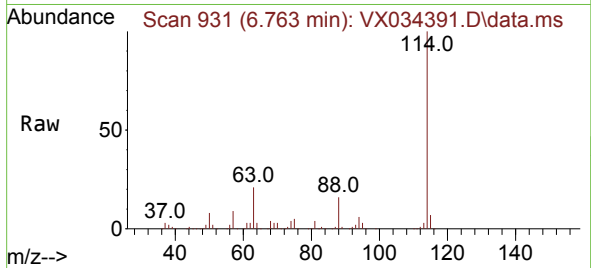




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

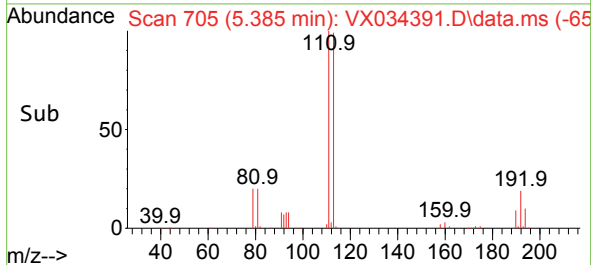
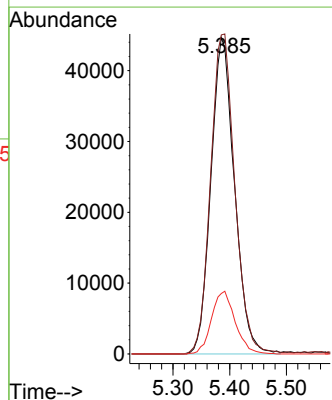
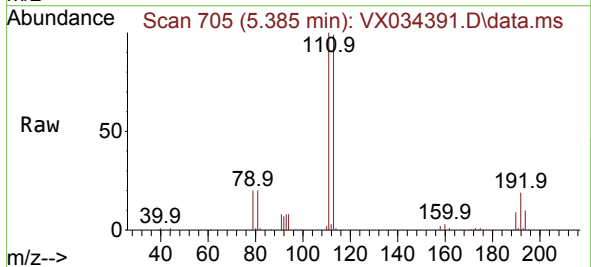
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

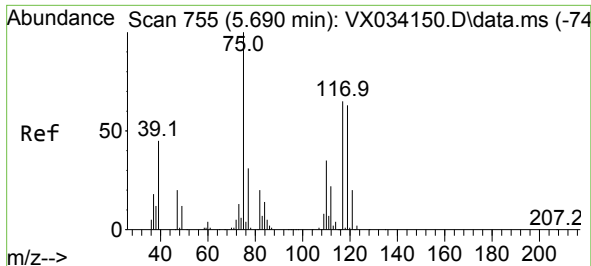
Tgt Ion:114 Resp: 416734
Ion Ratio Lower Upper
114 100
63 20.9 0.0 37.4
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.521 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion:113 Resp: 128940
Ion Ratio Lower Upper
113 100
111 104.1 83.0 124.6
192 19.9 19.0 28.4

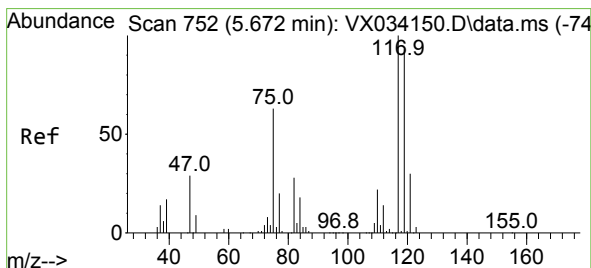
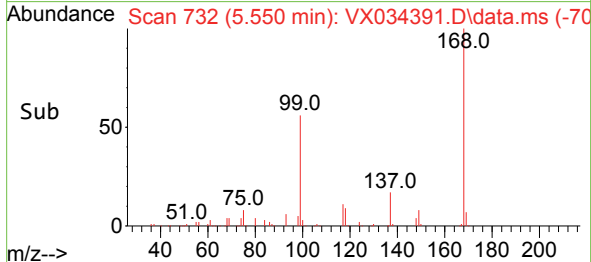
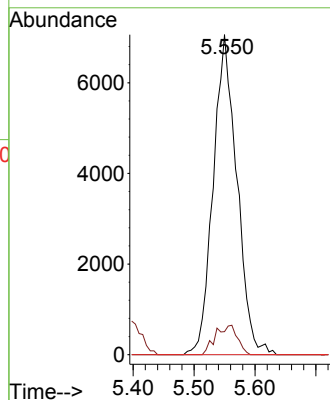
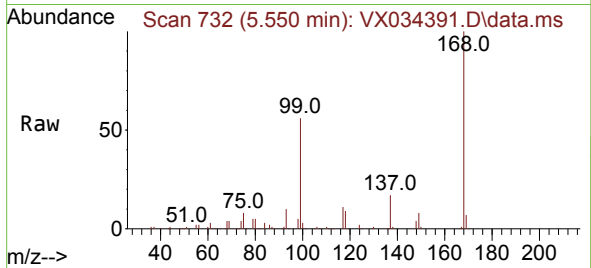




#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

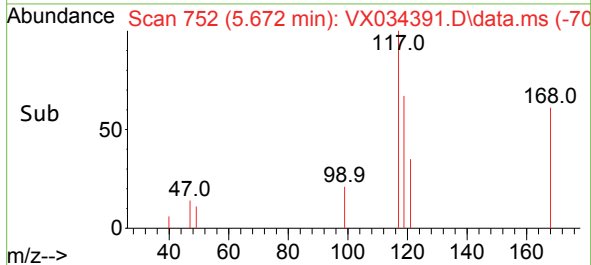
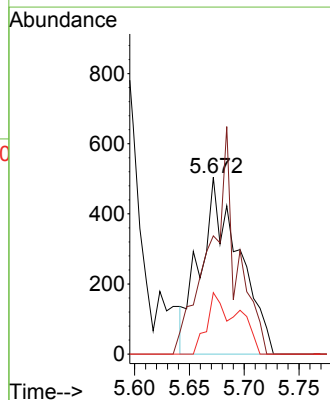
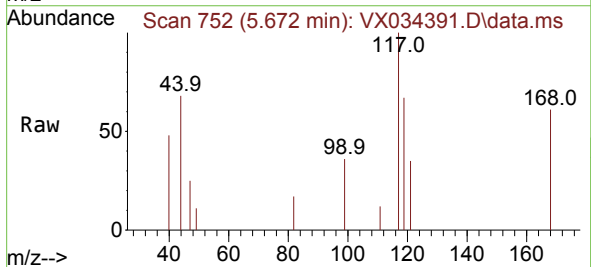
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

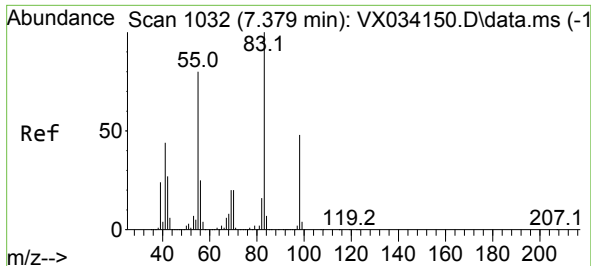
Tgt Ion: 75 Resp: 19067
Ion Ratio Lower Upper
75 100
110 8.5 18.8 56.4#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 0.299 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion: 117 Resp: 1235
Ion Ratio Lower Upper
117 100
119 66.9 78.0 117.0#
121 34.7 24.4 36.6

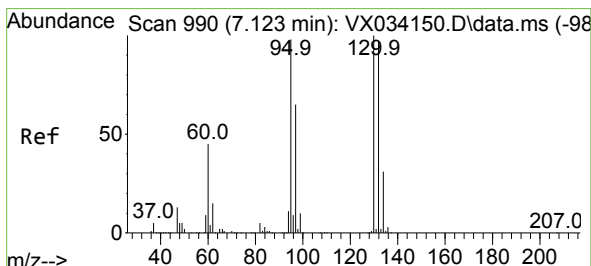
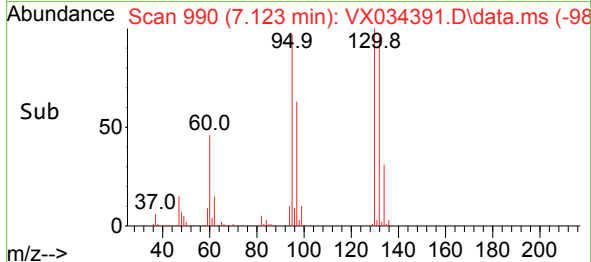
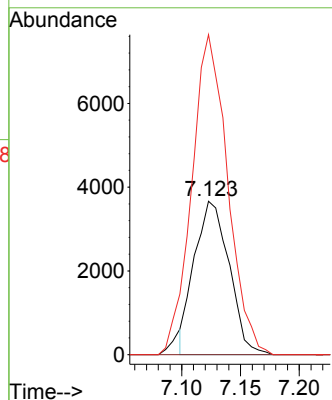
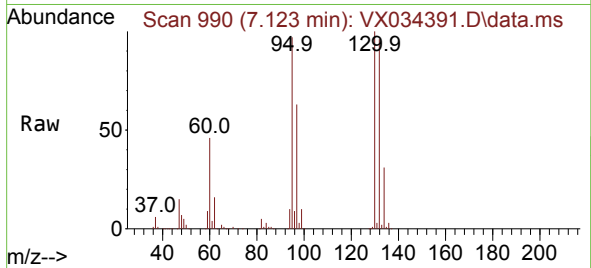




#39
Methylcyclohexane
Concen: 1.460 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

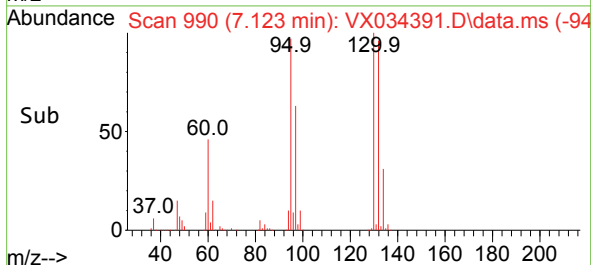
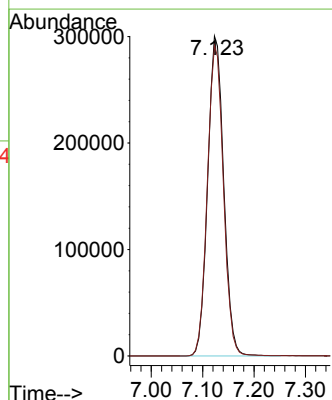
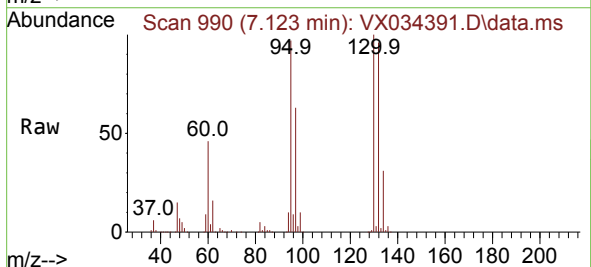
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

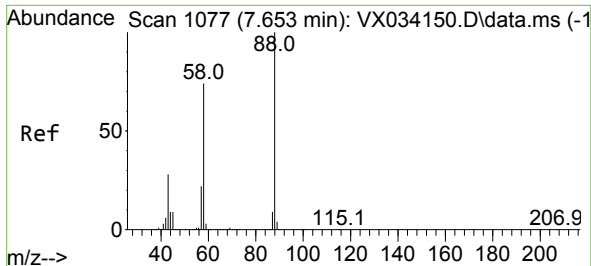
Tgt Ion: 83 Resp: 7537
Ion Ratio Lower Upper
83 100
55 0.0 61.8 92.6#
98 208.5 39.3 58.9#



#44
Trichloroethene
Concen: 212.799 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion:130 Resp: 649390
Ion Ratio Lower Upper
130 100
95 96.9 0.0 182.6





#49

1,4-Dioxane

Concen: 23.184 ug/l

RT: 7.671 min Scan# 1077

Delta R.T. 0.019 min

Lab File: VX034391.D

Acq: 08 Mar 2023 18:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20230306

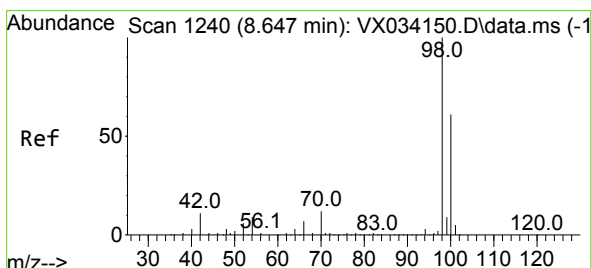
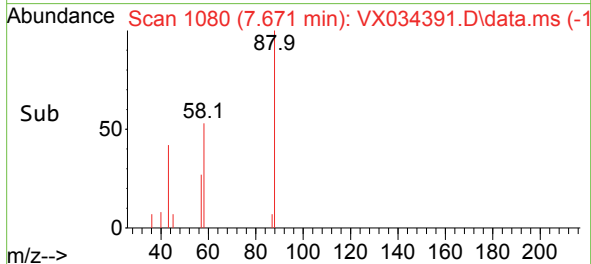
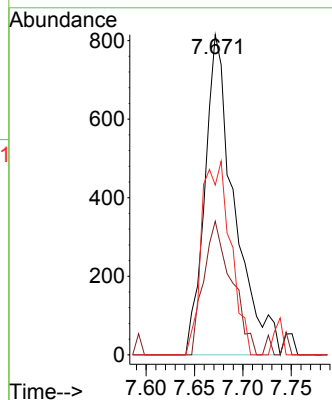
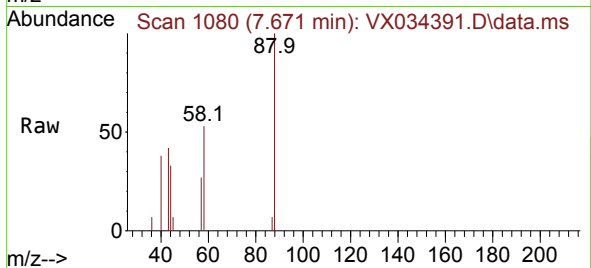
Tgt Ion: 88 Resp: 1737

Ion Ratio Lower Upper

88 100

43 39.6 0.0 0.0#

58 58.9 56.5 84.7



#50

Toluene-d8

Concen: 51.784 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034391.D

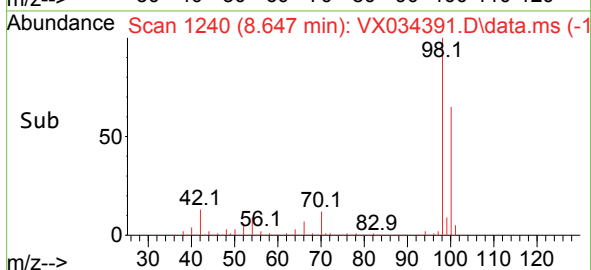
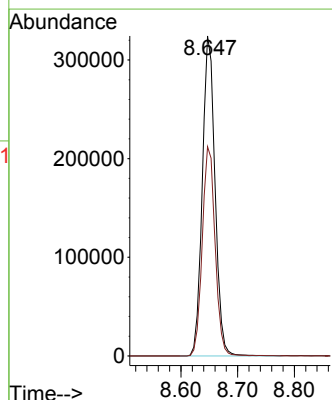
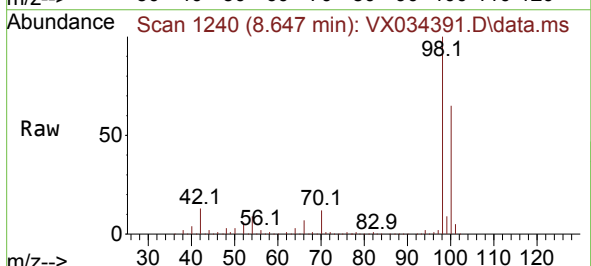
Acq: 08 Mar 2023 18:17

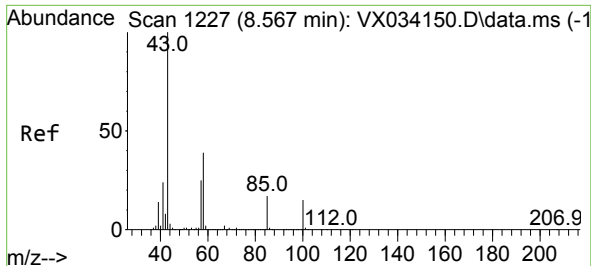
Tgt Ion: 98 Resp: 504475

Ion Ratio Lower Upper

98 100

100 66.2 53.6 80.4

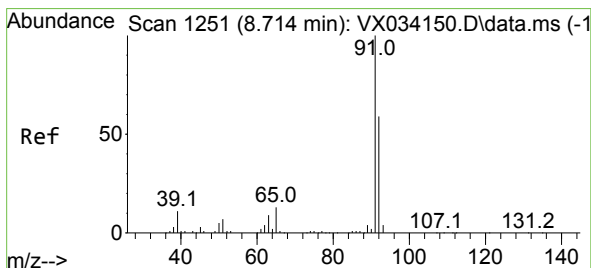
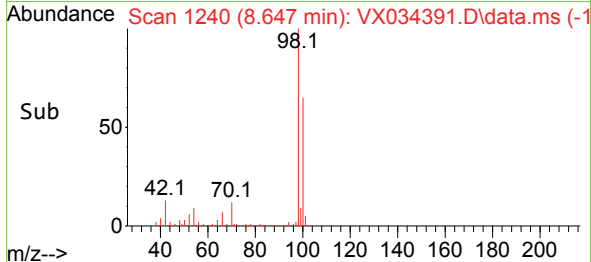
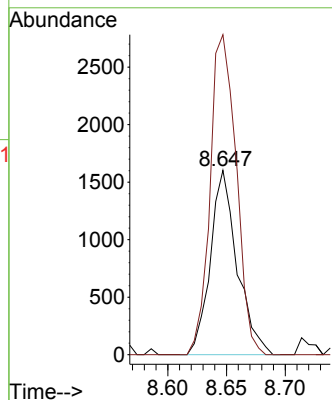
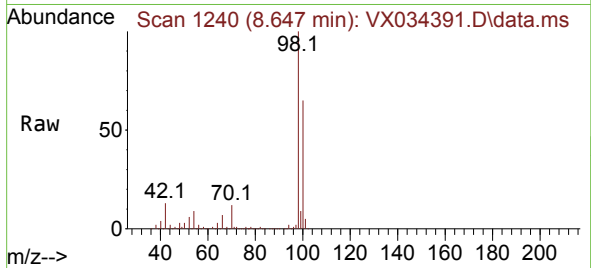




#51
4-Methyl-2-Pentanone
Concen: 0.585 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

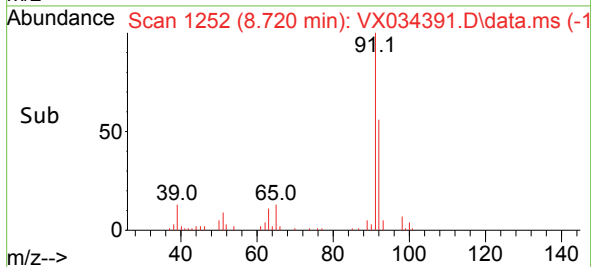
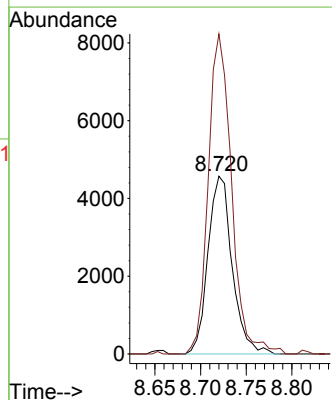
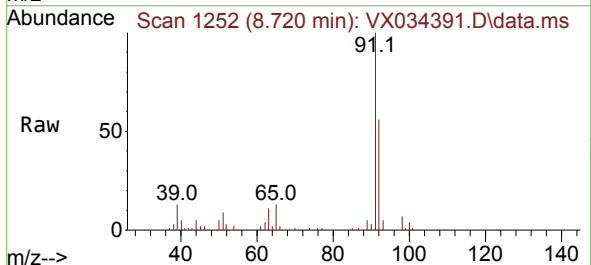
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

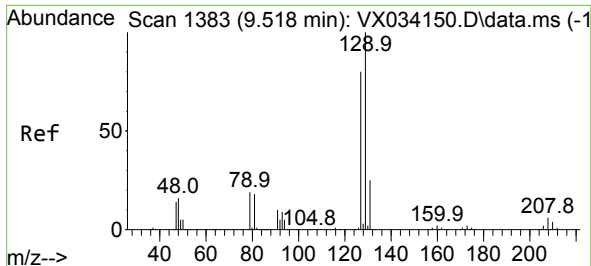
Tgt Ion: 43 Resp: 2546
Ion Ratio Lower Upper
43 100
58 168.8 31.2 46.8#



#52
Toluene
Concen: 1.167 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion: 92 Resp: 8406
Ion Ratio Lower Upper
92 100
91 173.9 135.5 203.3

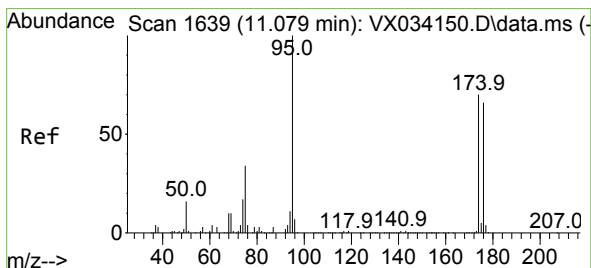
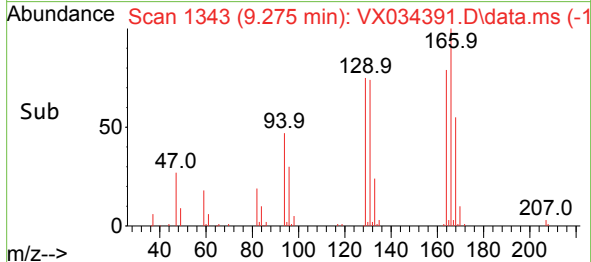
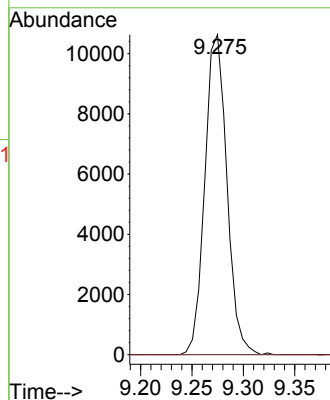
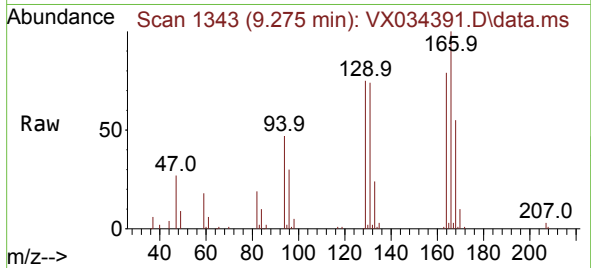




#60
Dibromochloromethane
Concen: 4.951 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

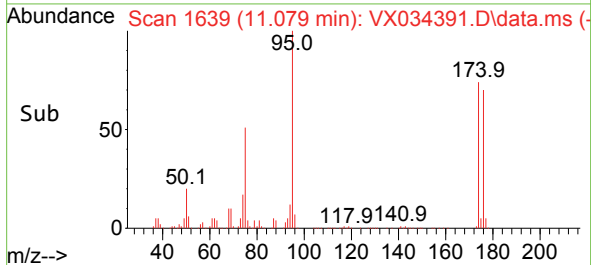
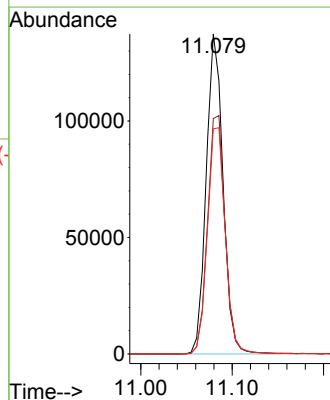
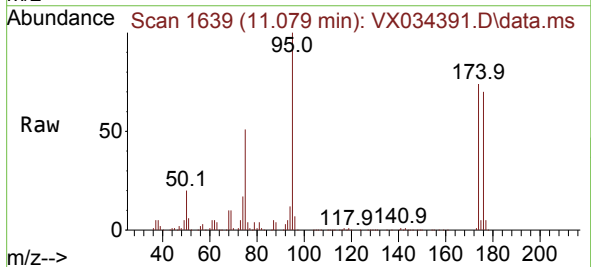
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

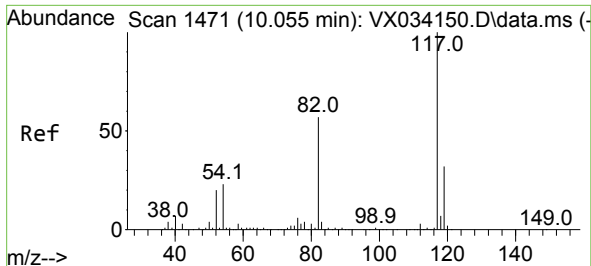
Tgt Ion:129 Resp: 15912
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 47.233 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion: 95 Resp: 176006
Ion Ratio Lower Upper
95 100
174 78.1 0.0 184.4
176 75.1 0.0 178.8

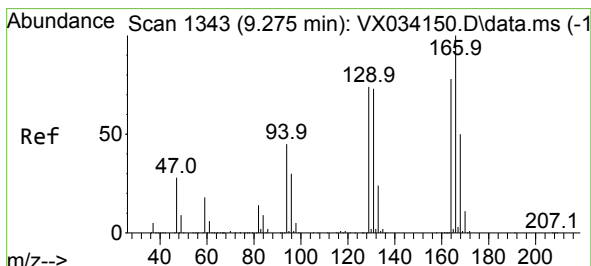
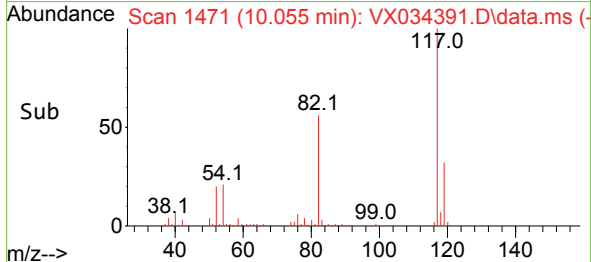
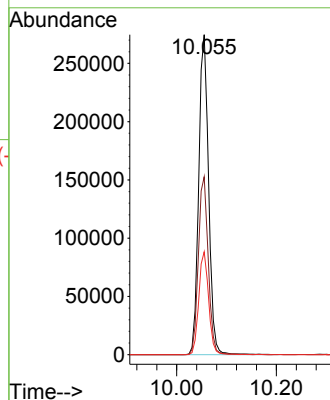
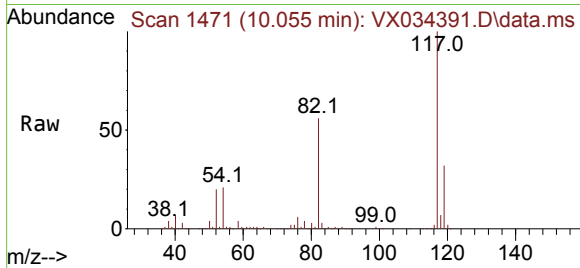




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

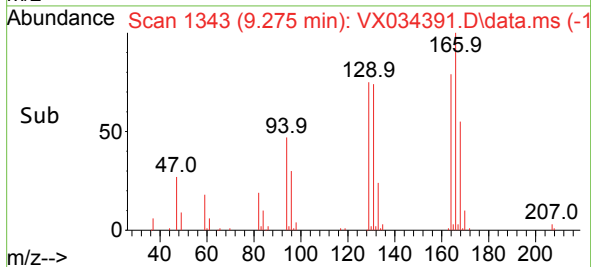
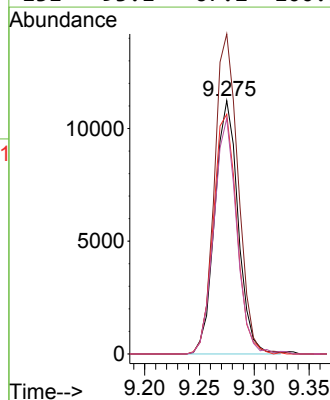
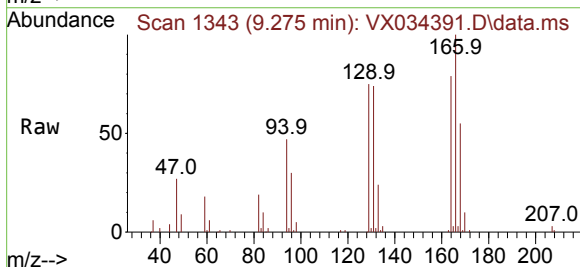
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20230306

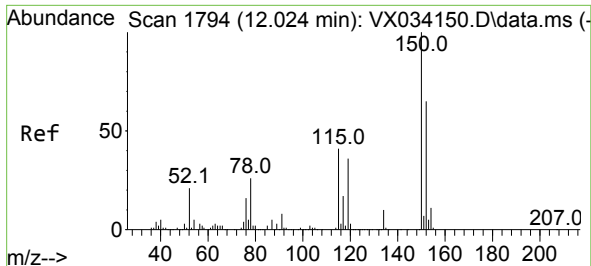
Tgt Ion:117 Resp: 376725
Ion Ratio Lower Upper
117 100
82 55.6 40.6 60.8
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 6.257 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX034391.D
Acq: 08 Mar 2023 18:17

Tgt Ion:164 Resp: 16636
Ion Ratio Lower Upper
164 100
166 126.4 100.2 150.2
129 94.7 69.2 103.8
131 93.1 67.2 100.8

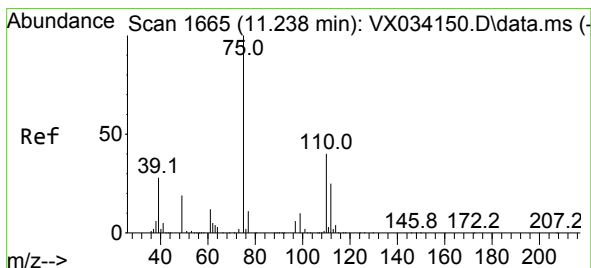
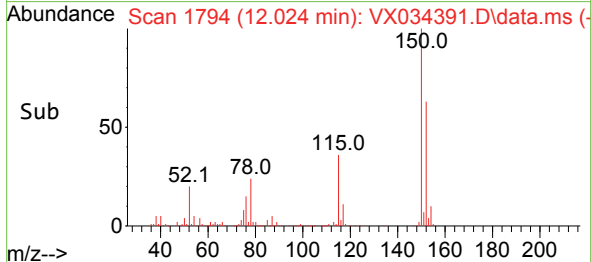
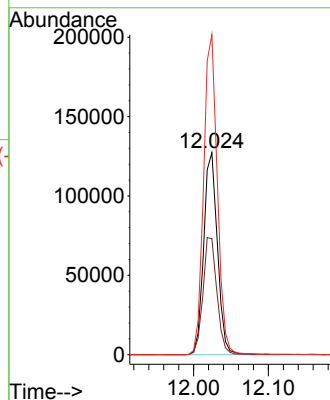
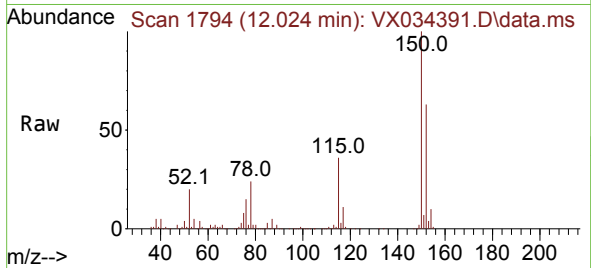




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034391.D
 Acq: 08 Mar 2023 18:17

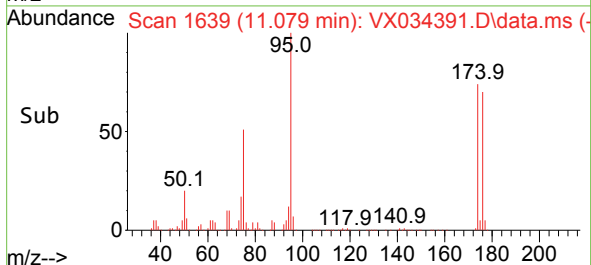
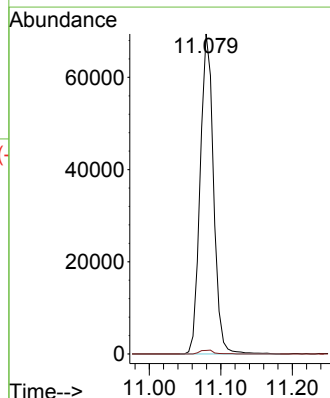
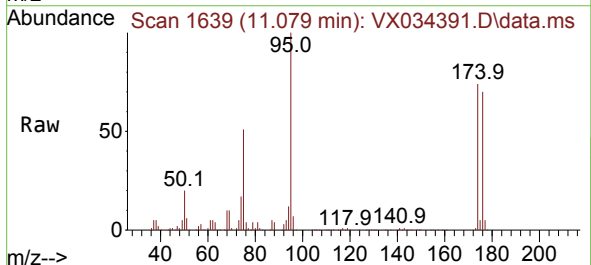
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20230306

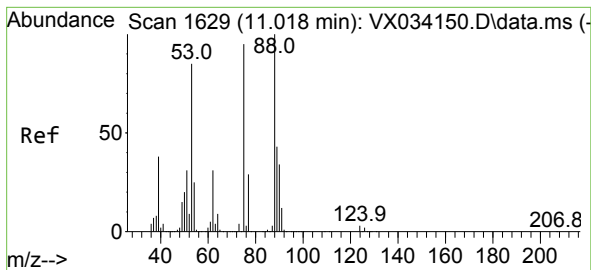
Tgt Ion:152 Resp: 162254
 Ion Ratio Lower Upper
 152 100
 115 59.1 38.7 116.1
 150 157.8 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 22.108 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX034391.D
 Acq: 08 Mar 2023 18:17

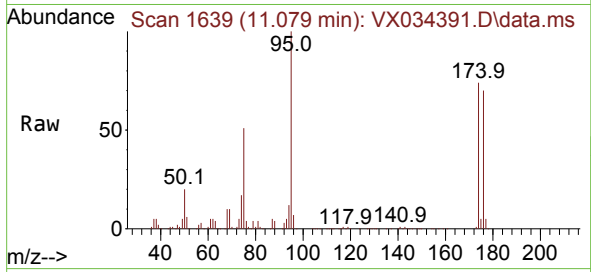
Tgt Ion: 75 Resp: 90260
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.792 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034391.D
 Acq: 08 Mar 2023 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20230306



Tgt Ion: 75 Resp: 90260
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

