

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030823\
 Data File : VX034393.D
 Acq On : 08 Mar 2023 19:04
 Operator : JC/MD
 Sample : 01843-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20230306

Quant Time: Mar 09 04:02:46 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)

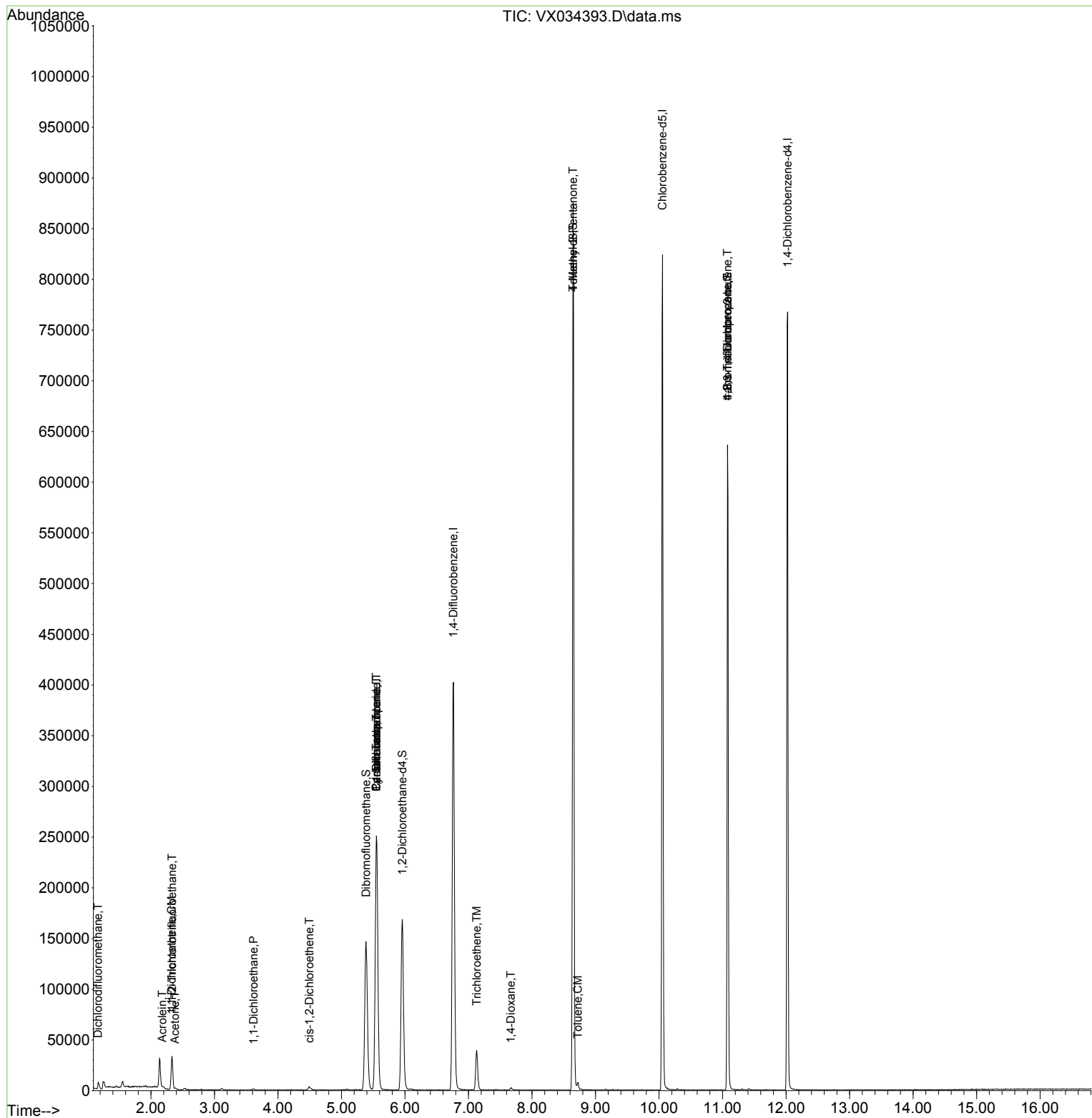
Internal Standards						
1) Pentafluorobenzene	5.550	168	246030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	416796	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	369913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159688	48.194	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.380%
35) Dibromofluoromethane	5.385	113	128405	47.317	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.640%
50) Toluene-d8	8.647	98	501172	51.438	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.880%
62) 4-Bromofluorobenzene	11.079	95	170633	45.785	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3762	1.770	ug/l	96
5) Bromomethane	1.581	94	43	Below Cal	#	3
9) 1,1,2-Trichlorotrifluo...	2.331	101	11806	4.447	ug/l	94
12) 1,1-Dichloroethene	2.325	96	998	0.375	ug/l #	76
13) Acrolein	2.178	56	86	0.254	ug/l #	14
16) Acetone	2.380	43	1054	0.617	ug/l	98
24) 1,1-Dichloroethane	3.617	63	1717	0.316	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	2240	0.678	ug/l	87
31) Cyclohexane	5.550	56	5326	1.077	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19312	4.812	ug/l #	48
38) Carbon Tetrachloride	5.550	117	23687	5.736	ug/l #	15
44) Trichloroethene	7.129	130	15801	5.177	ug/l	95
49) 1,4-Dioxane	7.665	88	1906	25.436	ug/l #	93
51) 4-Methyl-2-Pentanone	8.647	43	2723	0.625	ug/l #	1
52) Toluene	8.720	92	2530	0.351	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	87860	21.752	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	87860	55.878	ug/l #	8

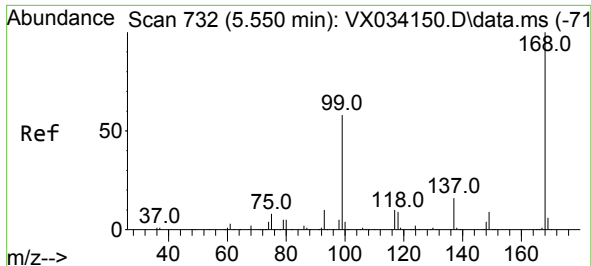
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE132D2-20230306

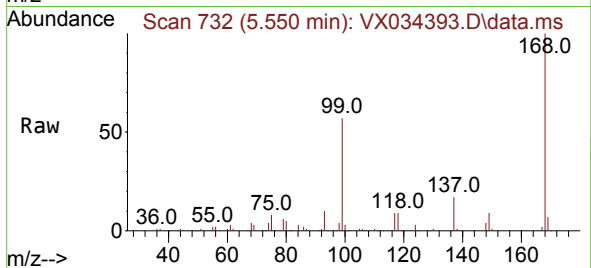
Quant Time: Mar 09 04:02:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration



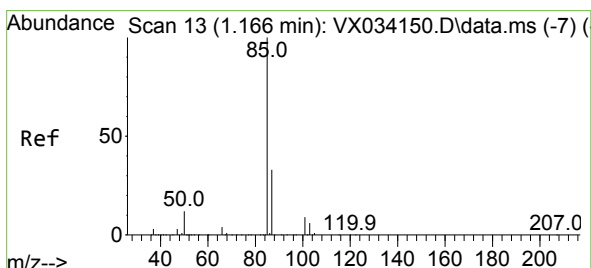
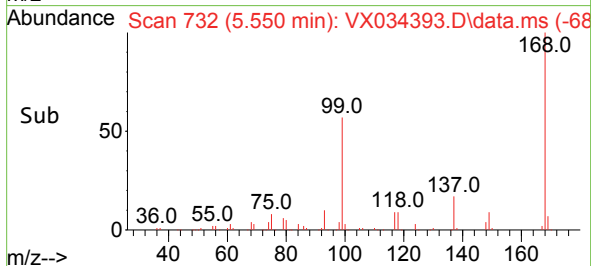
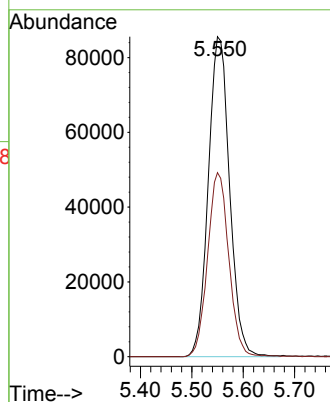


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230306

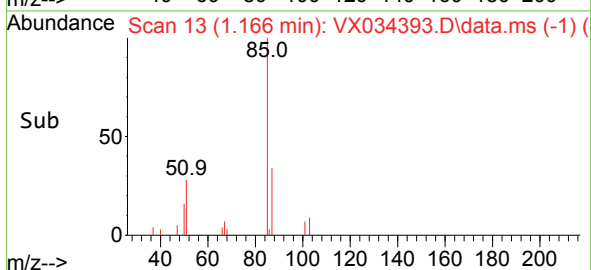
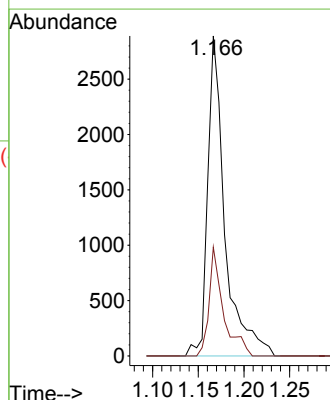
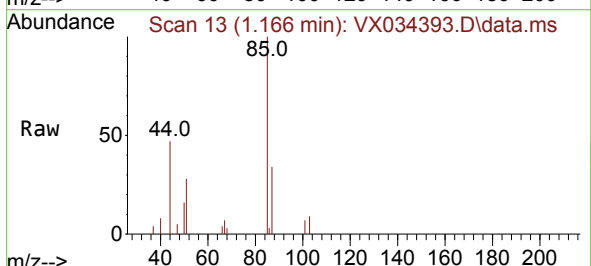


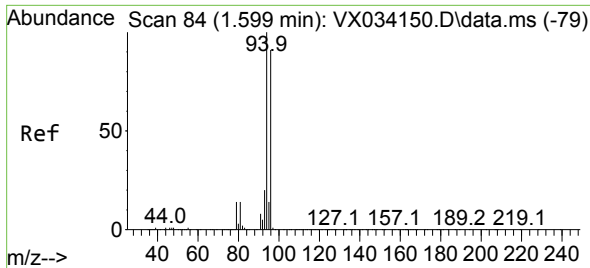
Tgt Ion:168 Resp: 246030
Ion Ratio Lower Upper
168 100
99 57.5 39.6 59.4



#2
Dichlorodifluoromethane
Concen: 1.770 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

Tgt Ion: 85 Resp: 3762
Ion Ratio Lower Upper
85 100
87 34.0 15.8 47.4

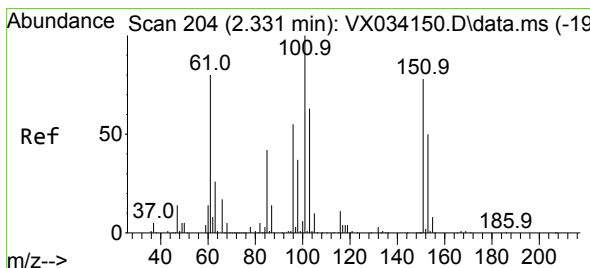
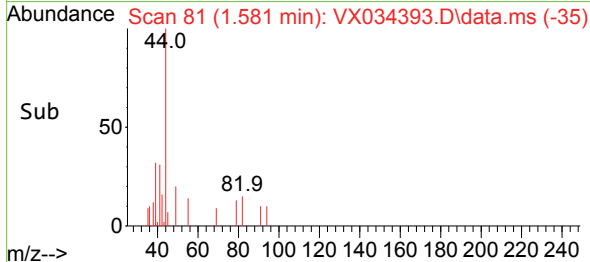
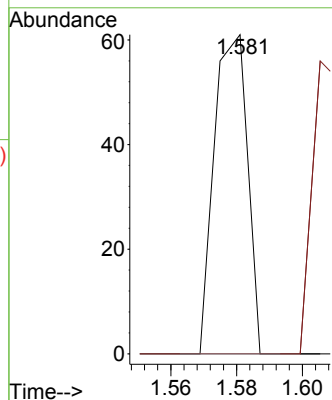
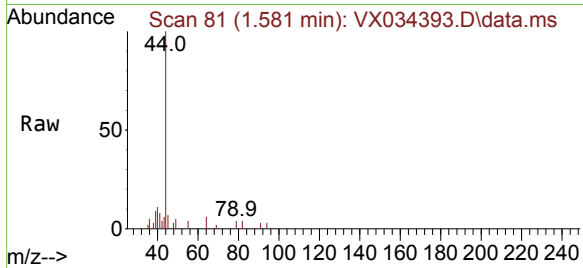




#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

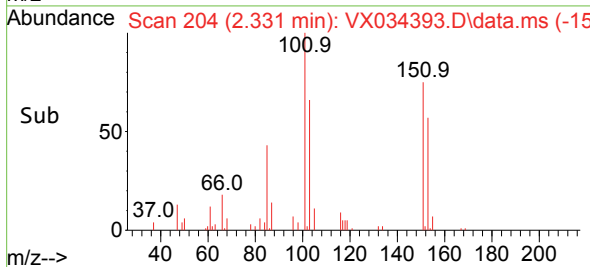
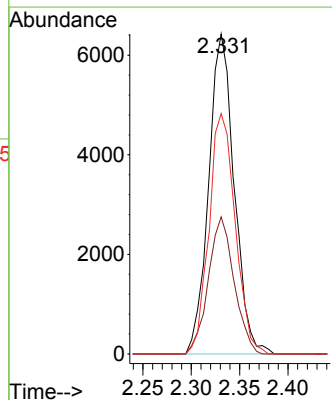
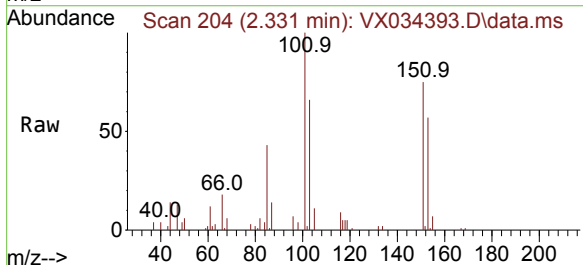
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230306

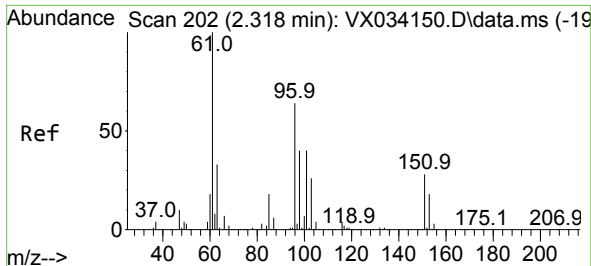
Tgt Ion: 94 Resp: 43
Ion Ratio Lower Upper
94 100
96 0.0 74.3 111.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.447 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

Tgt Ion: 101 Resp: 11806
Ion Ratio Lower Upper
101 100
85 43.2 36.7 55.1
151 76.9 66.5 99.7





#12

1,1-Dichloroethene

Concen: 0.375 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX034393.D

Acq: 08 Mar 2023 19:04

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20230306

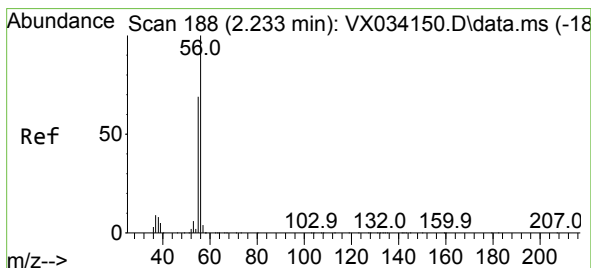
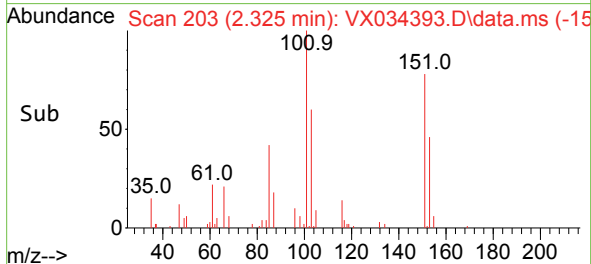
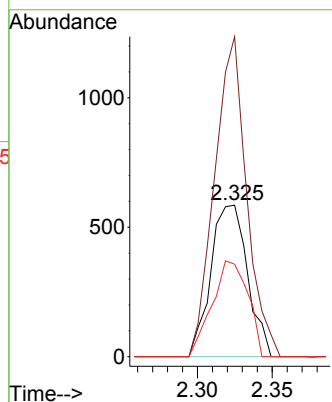
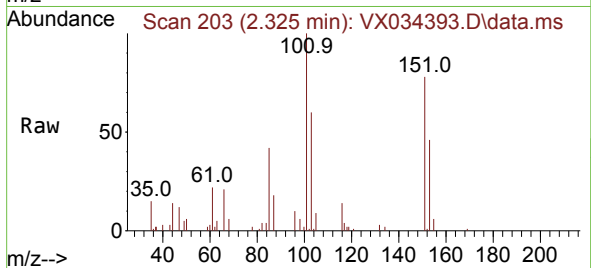
Tgt Ion: 96 Resp: 998

Ion Ratio Lower Upper

96 100

61 211.3 134.2 201.4#

98 61.0 50.2 75.2



#13

Acrolein

Concen: 0.254 ug/l

RT: 2.178 min Scan# 179

Delta R.T. -0.055 min

Lab File: VX034393.D

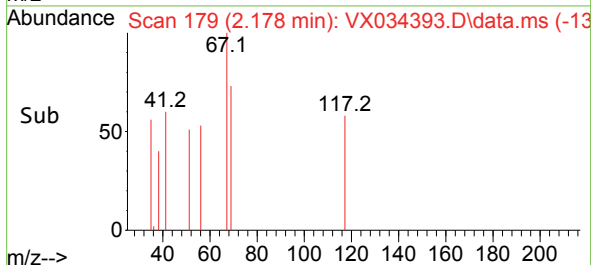
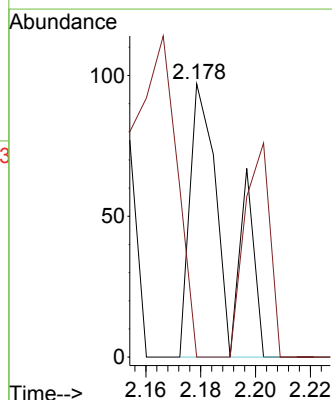
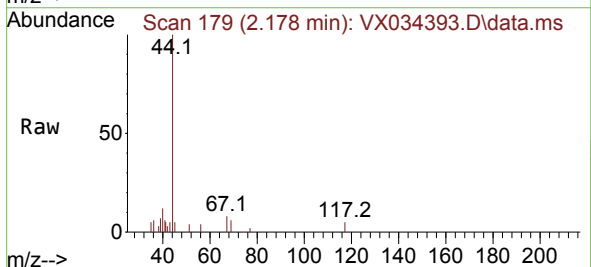
Acq: 08 Mar 2023 19:04

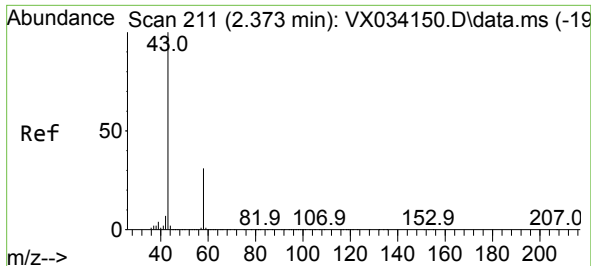
Tgt Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#

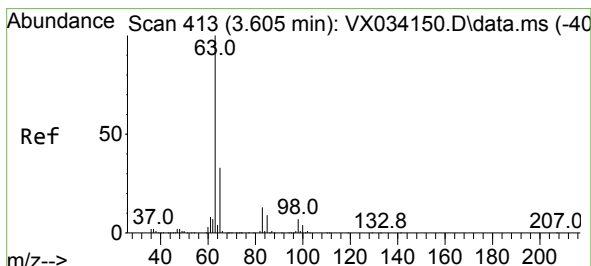
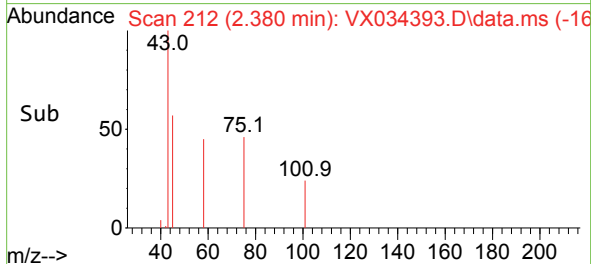
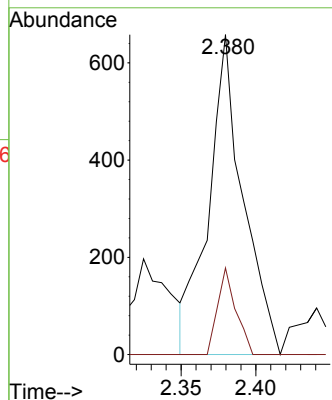
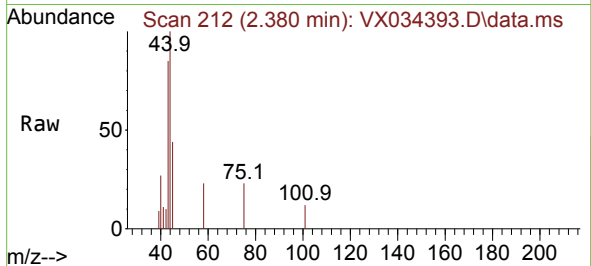




#16
Acetone
Concen: 0.617 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

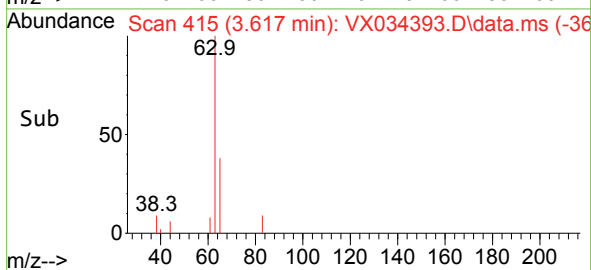
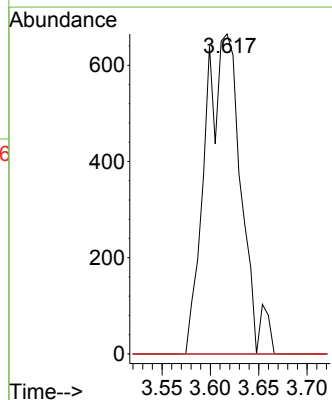
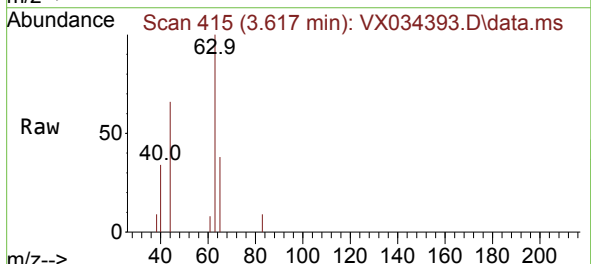
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230306

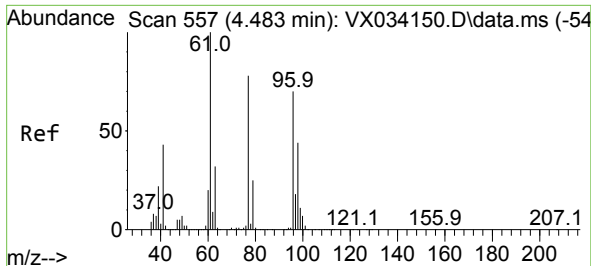
Tgt Ion: 43 Resp: 1054
Ion Ratio Lower Upper
43 100
58 27.1 22.6 33.8



#24
1,1-Dichloroethane
Concen: 0.316 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

Tgt Ion: 63 Resp: 1717
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: 0.678 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX034393.D

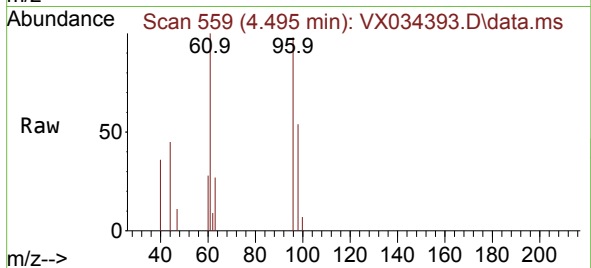
Acq: 08 Mar 2023 19:04

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20230306



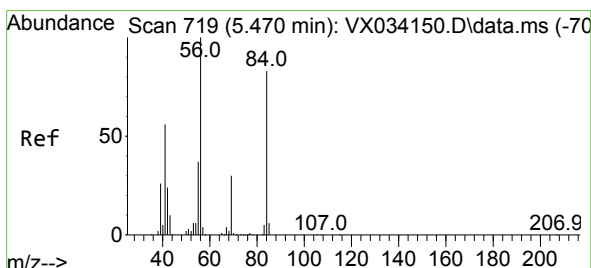
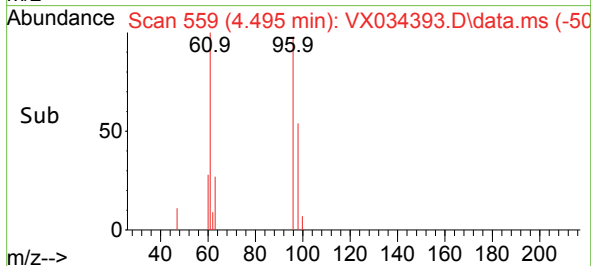
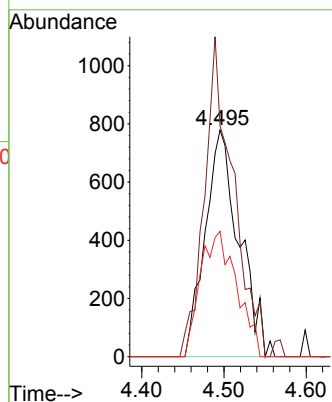
Tgt Ion: 96 Resp: 2240

Ion Ratio Lower Upper

96 100

61 119.4 0.0 277.6

98 59.0 0.0 128.0



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX034393.D

Acq: 08 Mar 2023 19:04

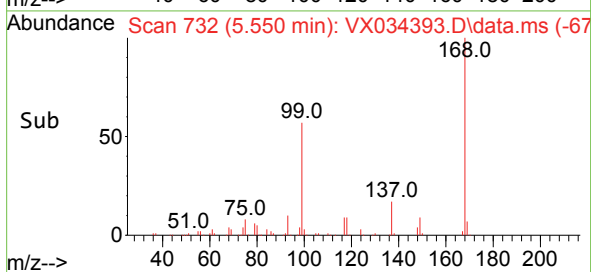
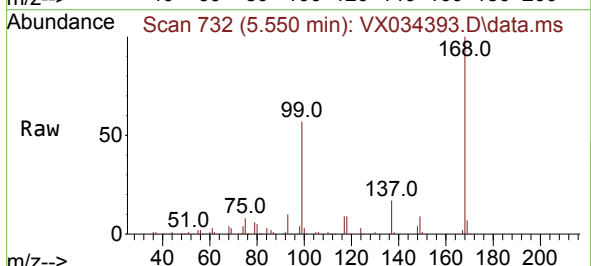
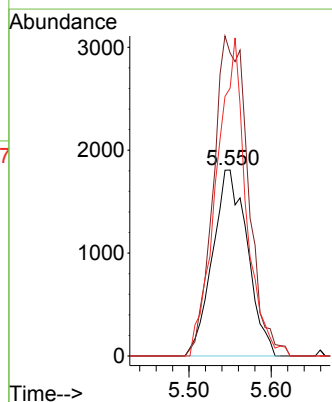
Tgt Ion: 56 Resp: 5326

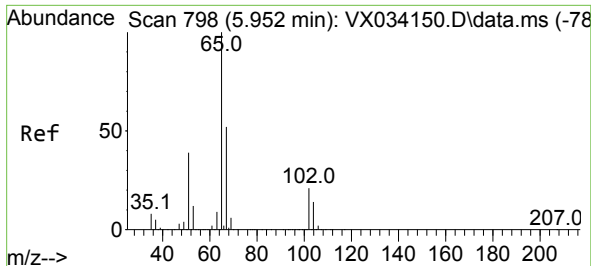
Ion Ratio Lower Upper

56 100

69 162.9 24.6 37.0#

84 144.1 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 48.194 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034393.D

Acq: 08 Mar 2023 19:04

Instrument :

MSVOA_X

ClientSampleId :

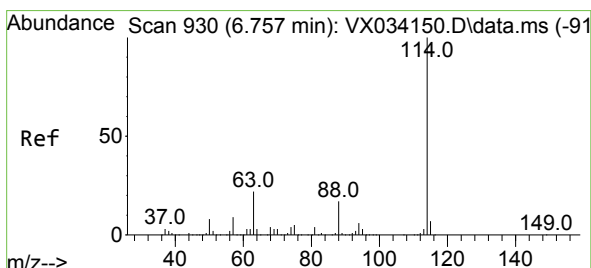
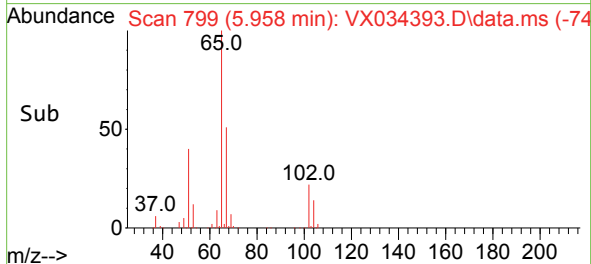
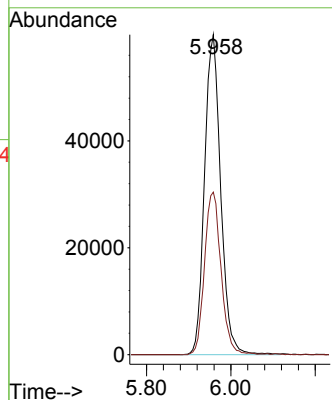
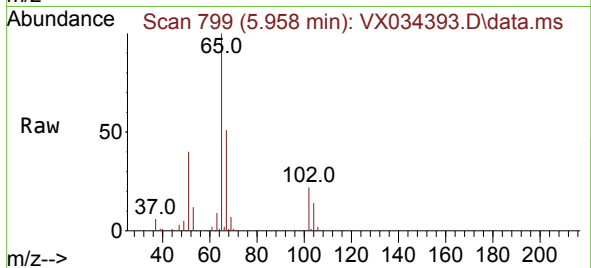
RE132D2-20230306

Tgt Ion: 65 Resp: 159688

Ion Ratio Lower Upper

65 100

67 51.9 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: VX034393.D

Acq: 08 Mar 2023 19:04

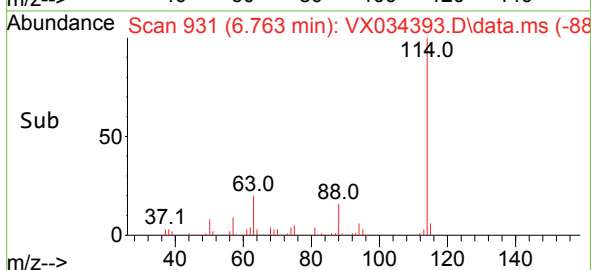
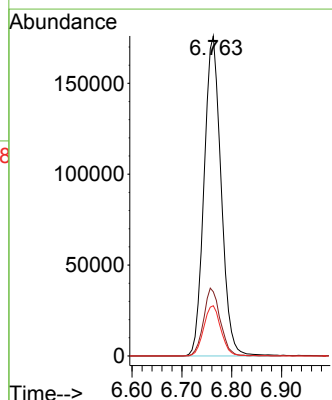
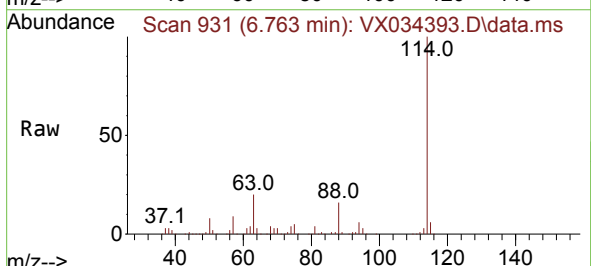
Tgt Ion: 114 Resp: 416796

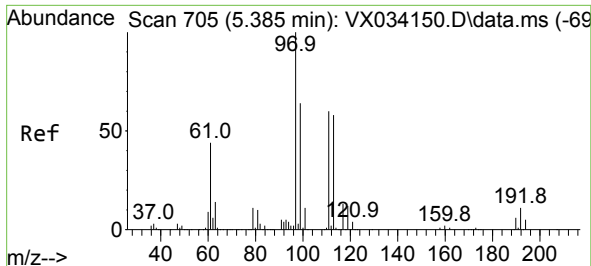
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 15.7 0.0 30.6

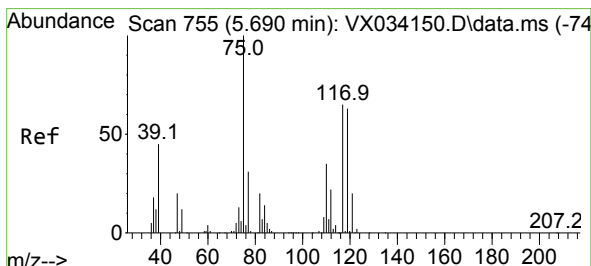
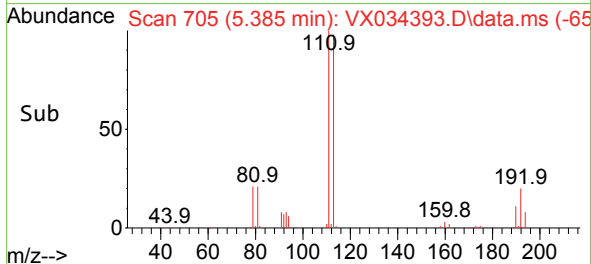
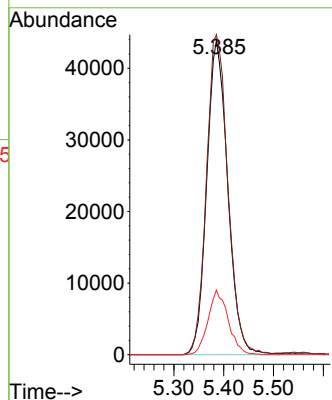
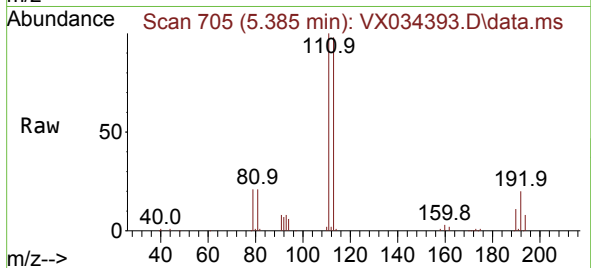




#35
Dibromofluoromethane
Concen: 47.317 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

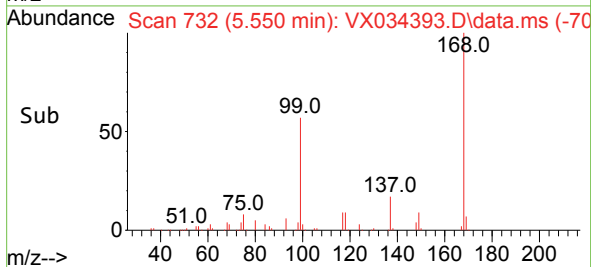
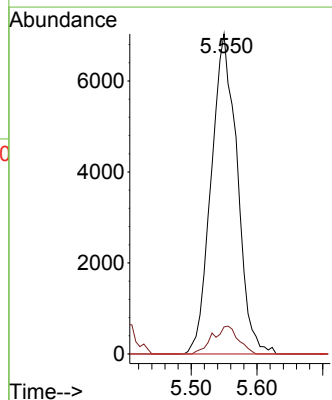
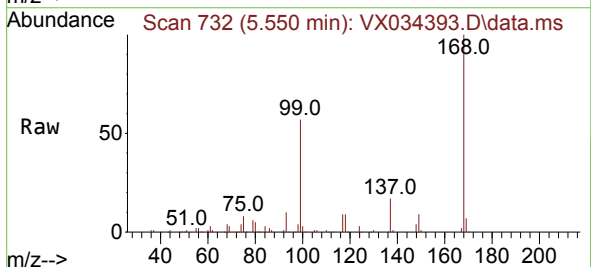
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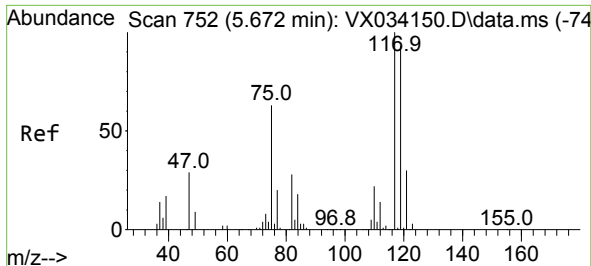
Tgt Ion:113 Resp: 128405
Ion Ratio Lower Upper
113 100
111 104.1 83.0 124.6
192 19.8 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.812 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

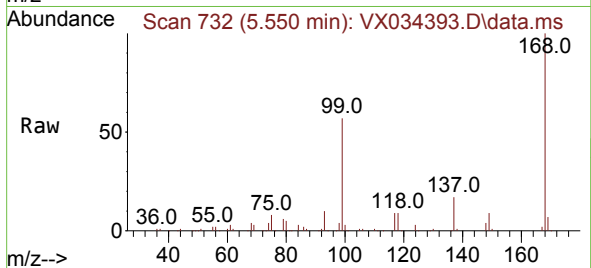
Tgt Ion: 75 Resp: 19312
Ion Ratio Lower Upper
75 100
110 8.6 18.8 56.4#
77 0.0 25.1 37.7#



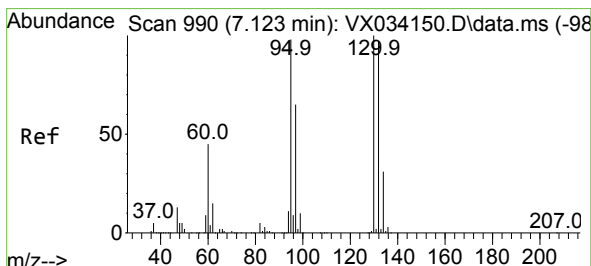
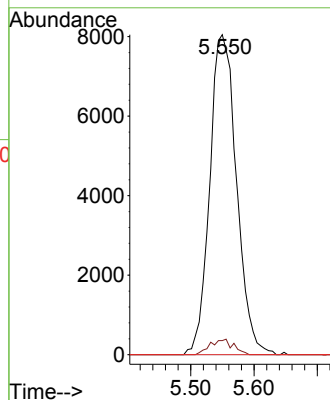
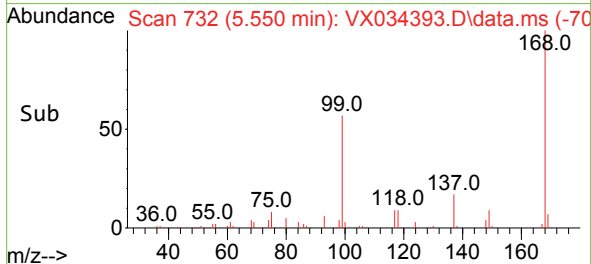


#38
Carbon Tetrachloride
Concen: 5.736 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230306

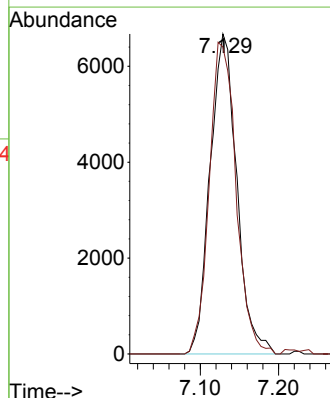
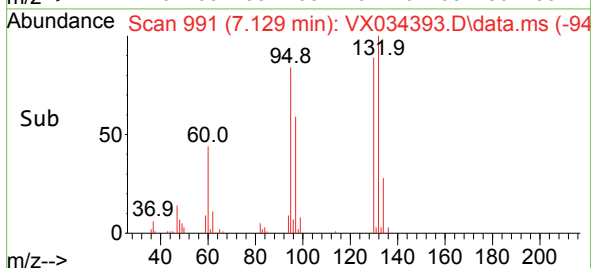
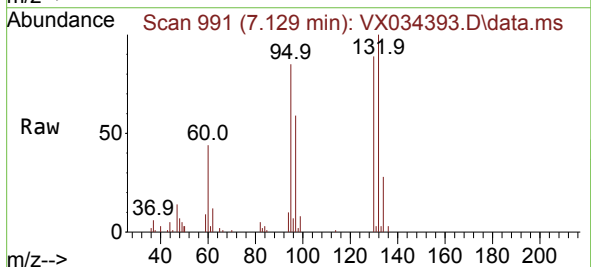


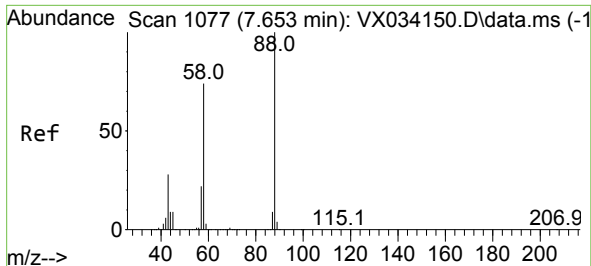
Tgt Ion:117 Resp: 23687
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 5.177 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

Tgt Ion:130 Resp: 15801
Ion Ratio Lower Upper
130 100
95 95.9 0.0 182.6





#49

1,4-Dioxane

Concen: 25.436 ug/l

RT: 7.665 min Scan# 1077

Delta R.T. 0.012 min

Lab File: VX034393.D

Acq: 08 Mar 2023 19:04

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20230306

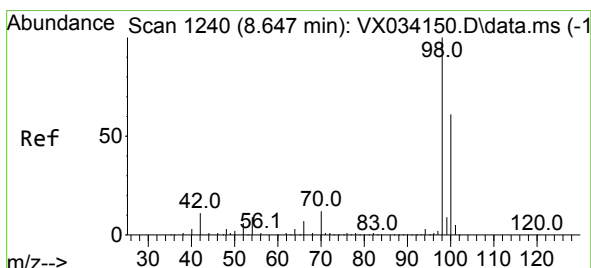
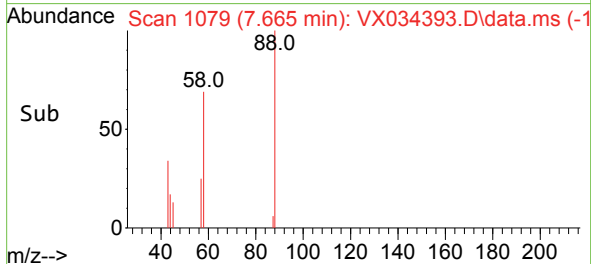
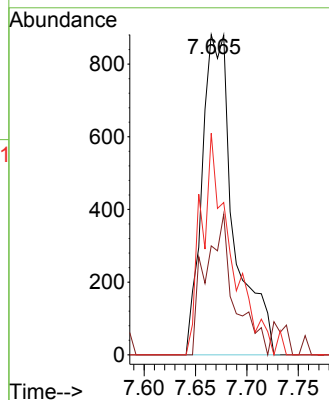
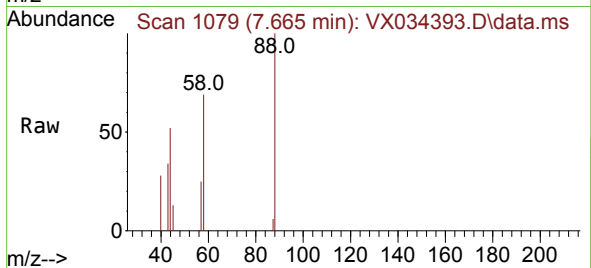
Tgt Ion: 88 Resp: 1906

Ion Ratio Lower Upper

88 100

43 39.8 0.0 0.0#

58 64.7 56.5 84.7



#50

Toluene-d8

Concen: 51.438 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034393.D

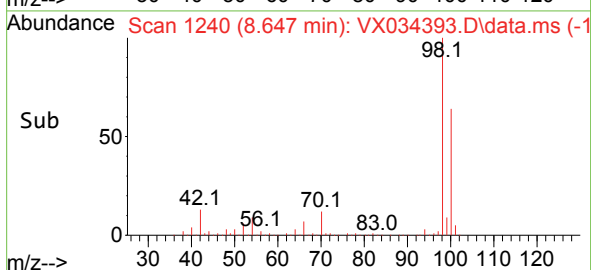
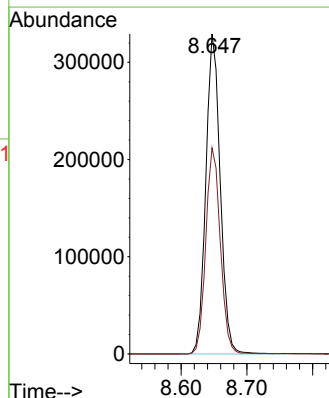
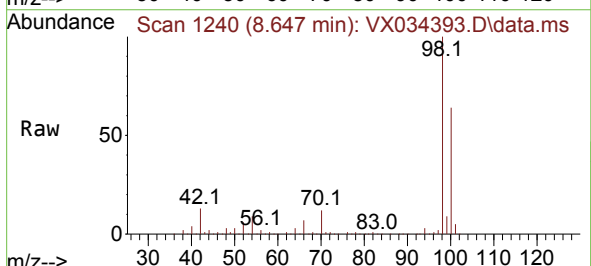
Acq: 08 Mar 2023 19:04

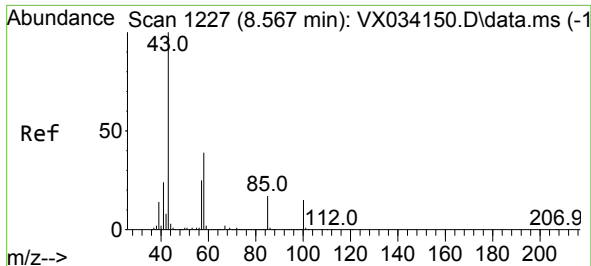
Tgt Ion: 98 Resp: 501172

Ion Ratio Lower Upper

98 100

100 65.0 53.6 80.4

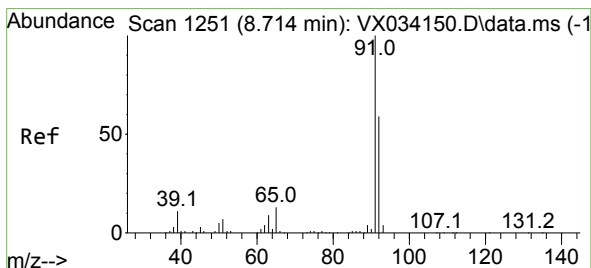
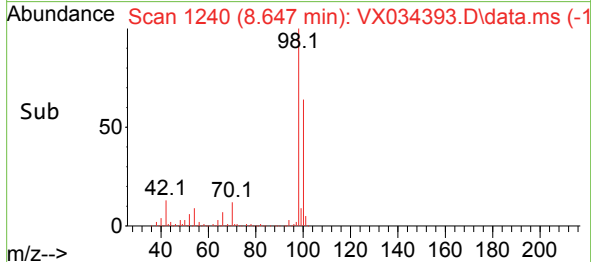
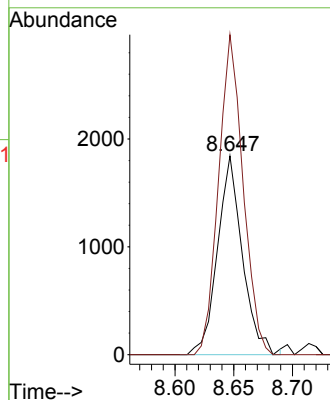
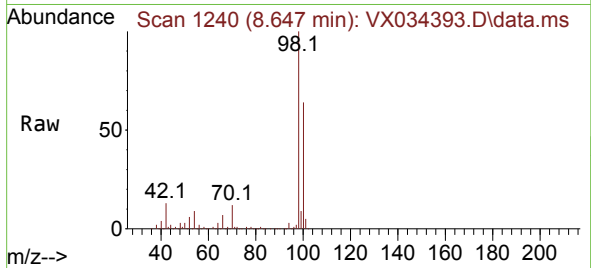




#51
4-Methyl-2-Pentanone
Concen: 0.625 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

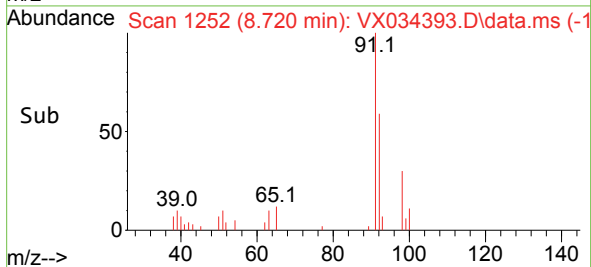
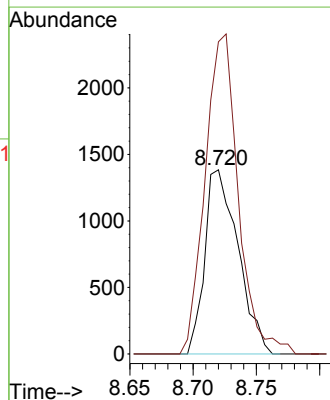
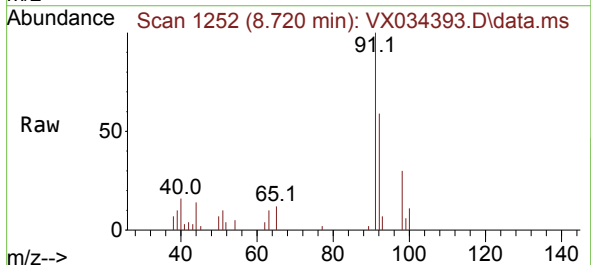
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230306

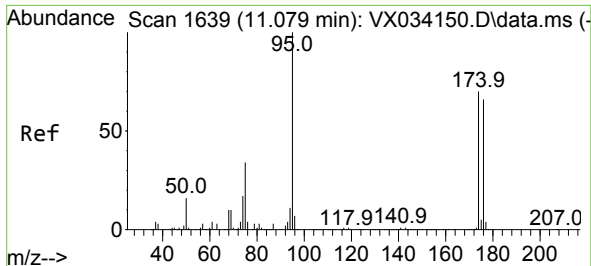
Tgt Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
58 158.1 31.2 46.8#



#52
Toluene
Concen: 0.351 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

Tgt Ion: 92 Resp: 2530
Ion Ratio Lower Upper
92 100
91 173.4 135.5 203.3

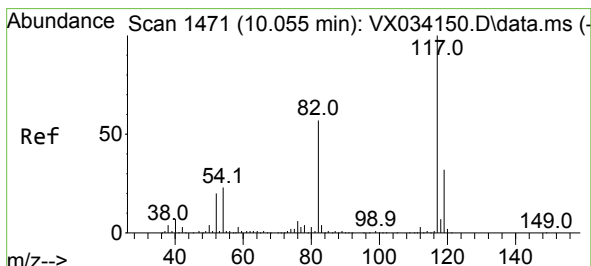
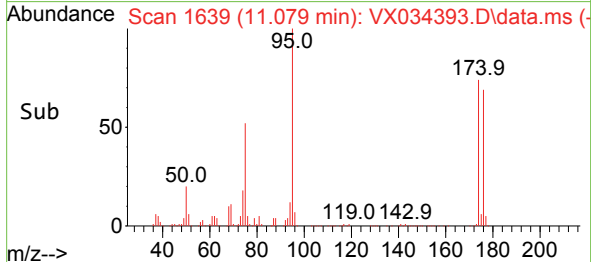
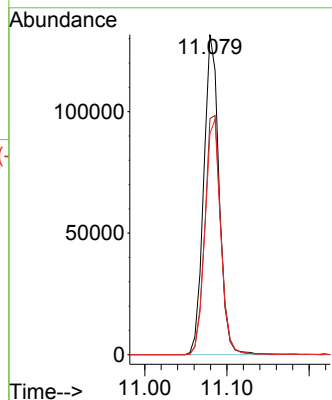
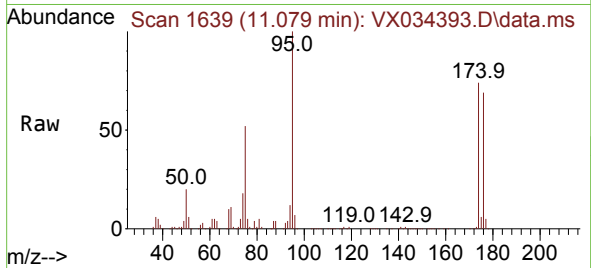




#62
4-Bromofluorobenzene
Concen: 45.785 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

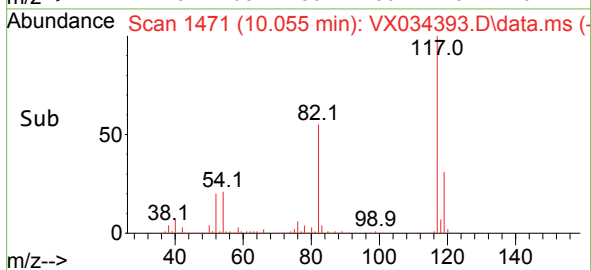
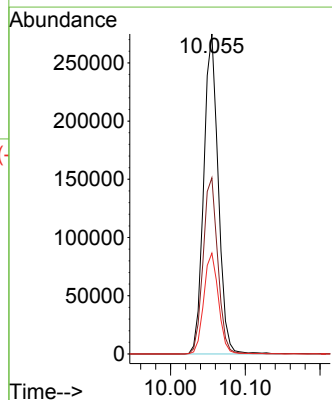
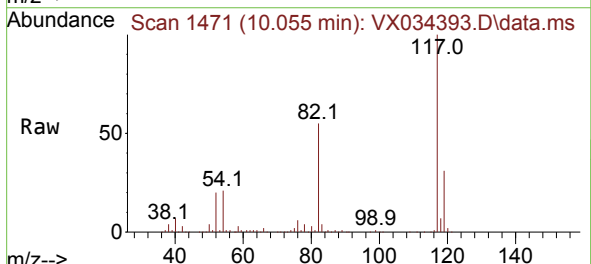
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230306

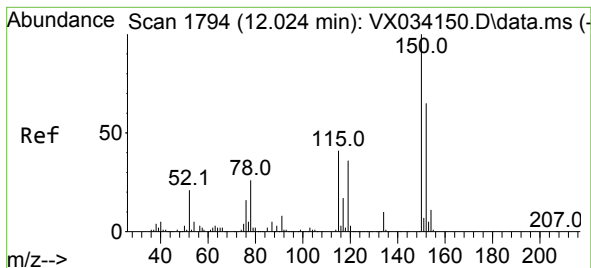
Tgt Ion: 95 Resp: 170633
Ion Ratio Lower Upper
95 100
174 77.9 0.0 184.4
176 75.3 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034393.D
Acq: 08 Mar 2023 19:04

Tgt Ion: 117 Resp: 369913
Ion Ratio Lower Upper
117 100
82 55.1 40.6 60.8
119 31.5 25.6 38.4

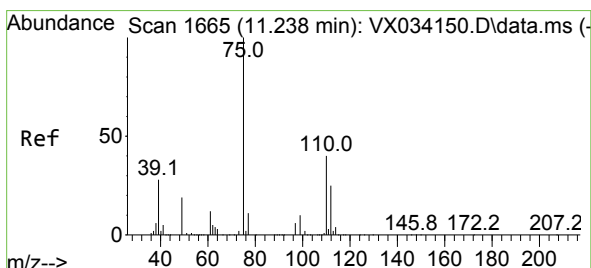
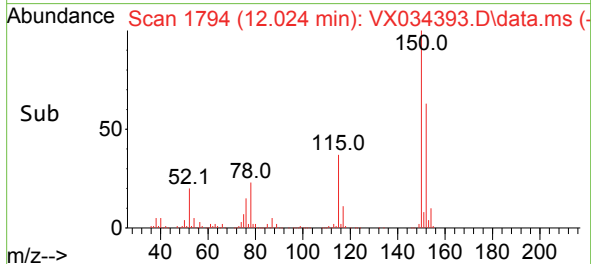
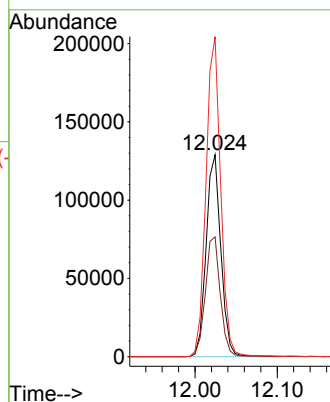
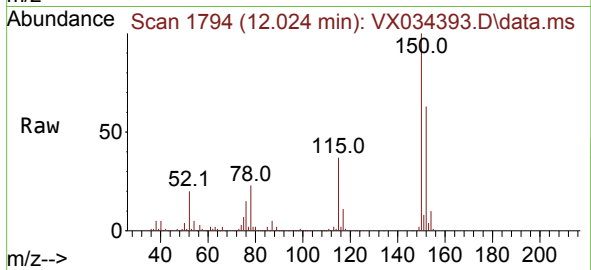




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX034393.D
 Acq: 08 Mar 2023 19:04

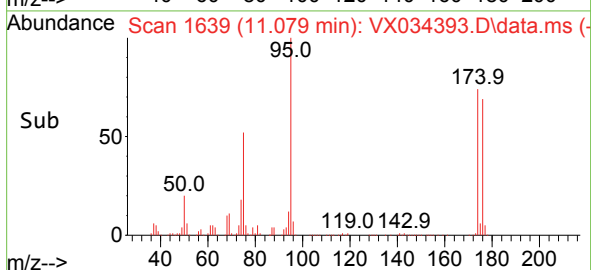
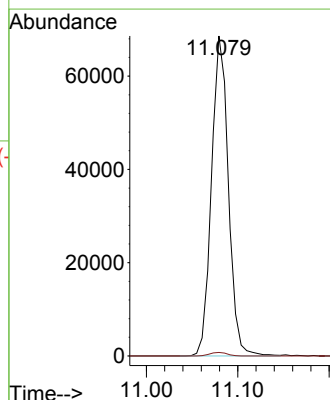
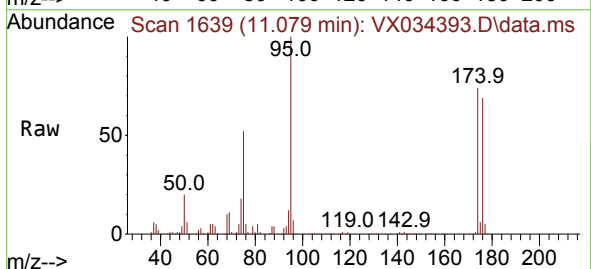
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20230306

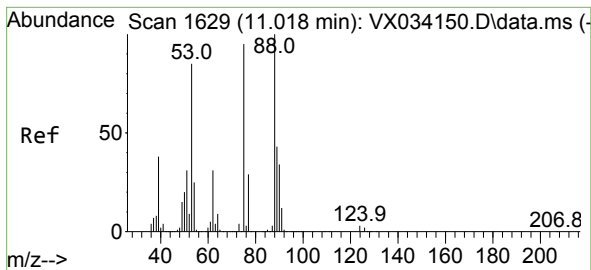
Tgt Ion:152 Resp: 160524
 Ion Ratio Lower Upper
 152 100
 115 60.5 38.7 116.1
 150 157.9 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 21.752 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX034393.D
 Acq: 08 Mar 2023 19:04

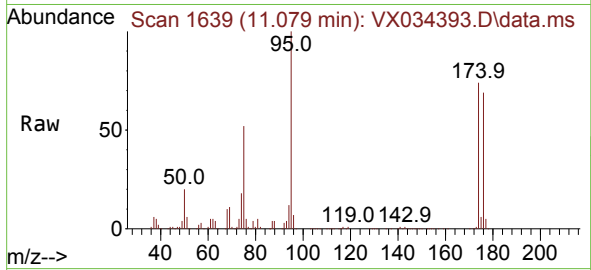
Tgt Ion: 75 Resp: 87860
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.878 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034393.D
 Acq: 08 Mar 2023 19:04

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20230306



Tgt Ion: 75 Resp: 87860
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

