

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021223\
 Data File : VX034132.D
 Acq On : 10 Feb 2023 22:04
 Operator : JC/MD
 Sample : 01510-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWM-TP14-020823

Quant Time: Feb 11 00:43:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

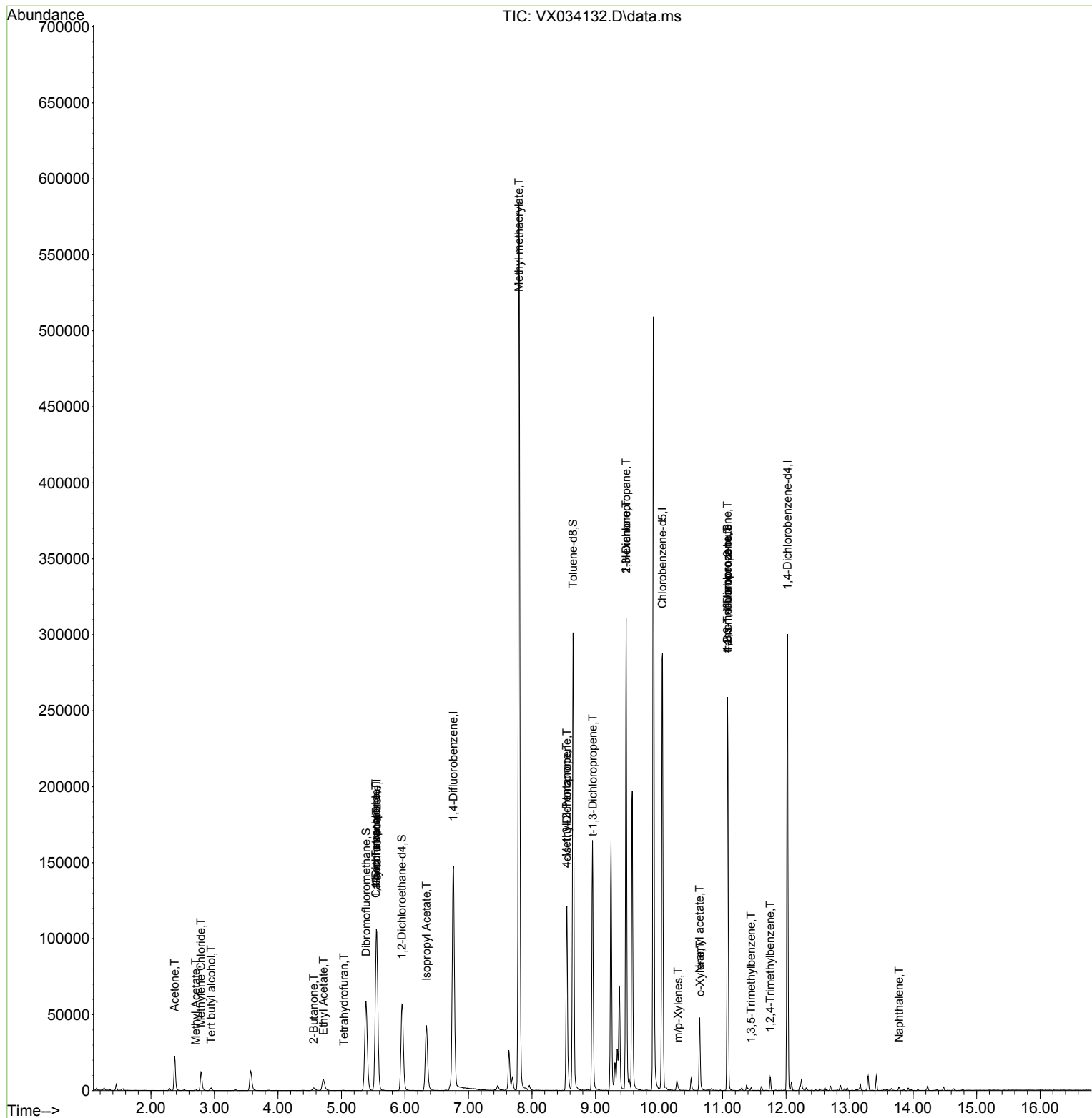
Internal Standards						
1) Pentafluorobenzene	5.556	168	115411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	159605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58583	52.653	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.300%			
35) Dibromofluoromethane	5.385	113	50986	50.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	8.647	98	180680	49.369	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.740%			
62) 4-Bromofluorobenzene	11.079	95	65230	49.904	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.800%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	1312	8.417	ug/l #	86
16) Acetone	2.373	43	24597	52.342	ug/l	96
18) Methyl Acetate	2.703	43	1194	0.817	ug/l	94
20) Methylene Chloride	2.788	84	6539	6.082	ug/l	90
25) 2-Butanone	4.562	43	3348	4.893	ug/l	100
29) Tetrahydrofuran	5.038	42	160	0.368	ug/l #	34
31) Cyclohexane	5.550	56	1673	1.033	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6720	4.825	ug/l #	50
37) Ethyl Acetate	4.715	43	13322	10.268	ug/l	98
38) Carbon Tetrachloride	5.544	117	9794	6.594	ug/l #	15
43) Isopropyl Acetate	6.336	43	58321	28.825	ug/l	96
48) Methyl methacrylate	7.793	41	51439	49.240	ug/l #	46
51) 4-Methyl-2-Pentanone	8.543	43	45122	35.554	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	353	0.260	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	21183	13.713	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	2743	1.610	ug/l #	43
59) 2-Hexanone	9.482	43	35768	38.512	ug/l #	52
68) m/p-Xylenes	10.299	106	496	0.250	ug/l	81
69) o-Xylene	10.646	106	593	0.311	ug/l	99
74) N-amyl acetate	10.640	43	12043	7.692	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	30546	25.016	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	1048	0.265	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	30546	77.041	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	4199	1.062	ug/l	96
95) Naphthalene	13.780	128	2133	0.466	ug/l #	93

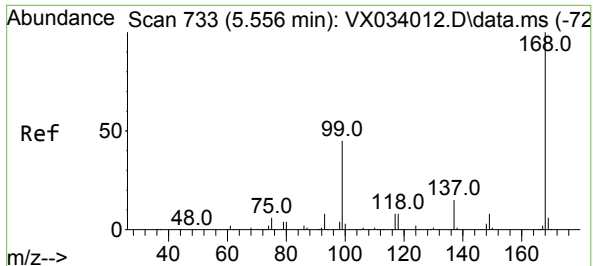
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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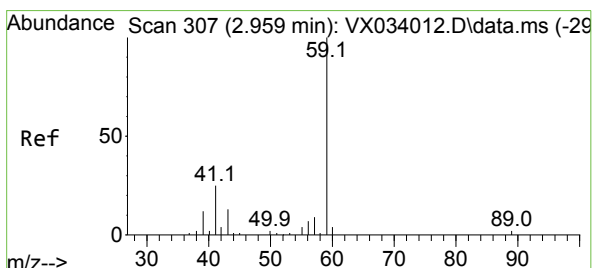
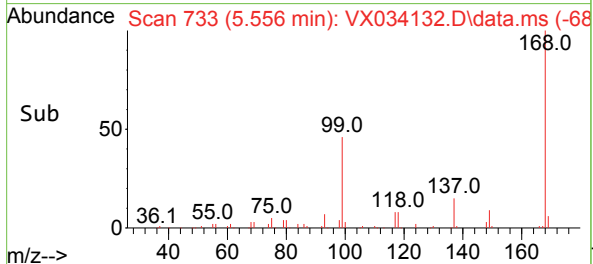
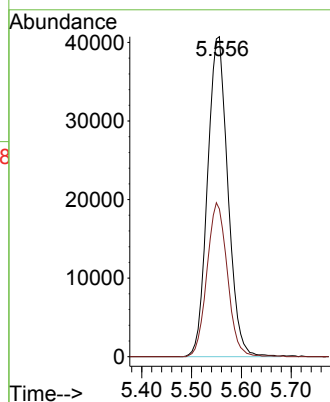
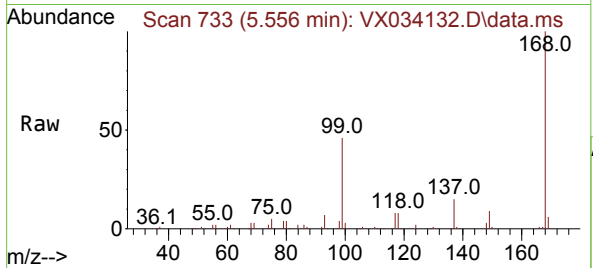




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

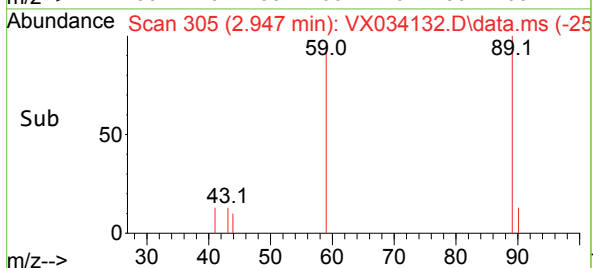
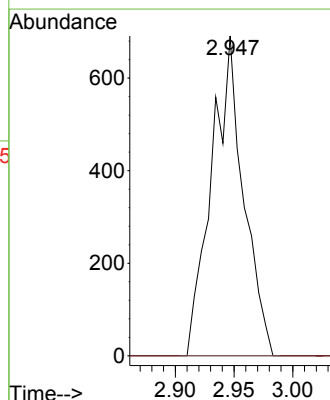
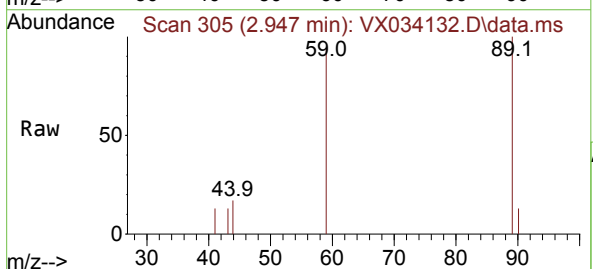
Instrument :
MSVOA_X
ClientSampleId :
TWM-TP14-020823

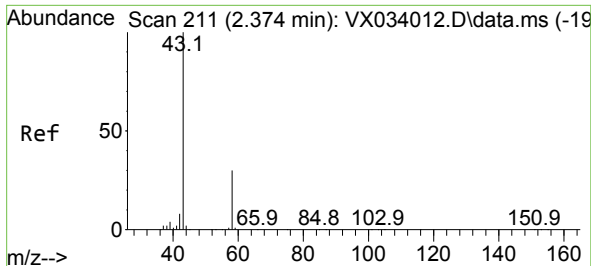
Tgt Ion:168 Resp: 115411
Ion Ratio Lower Upper
168 100
99 46.2 39.6 59.4



#11
Tert butyl alcohol
Concen: 8.417 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

Tgt Ion: 59 Resp: 1312
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#





#16

Acetone

Concen: 52.342 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX034132.D

Acq: 10 Feb 2023 22:04

Instrument :

MSVOA_X

ClientSampleId :

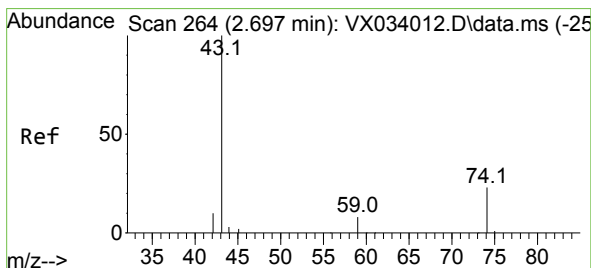
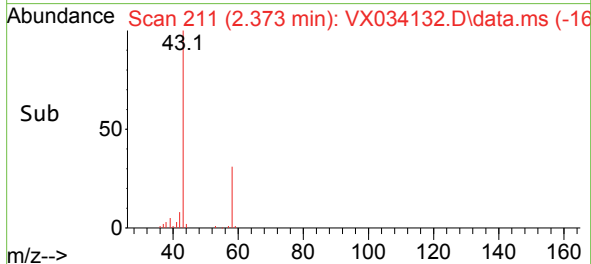
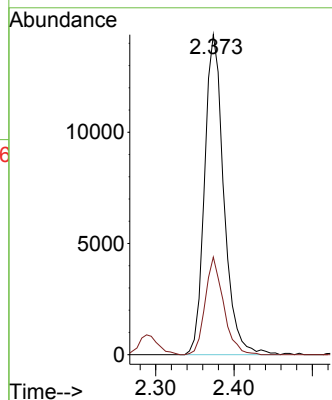
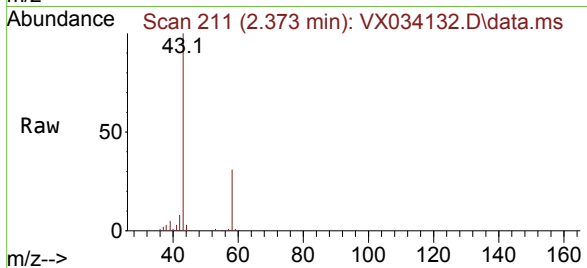
TWM-TP14-020823

Tgt Ion: 43 Resp: 24597

Ion Ratio Lower Upper

43 100

58 30.5 22.6 33.8



#18

Methyl Acetate

Concen: 0.817 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX034132.D

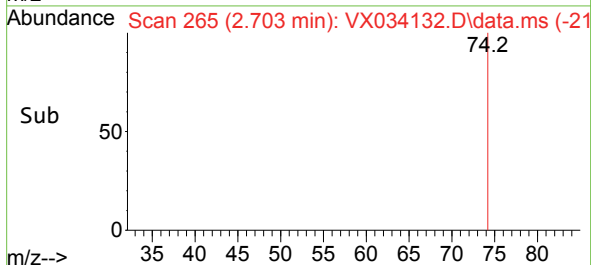
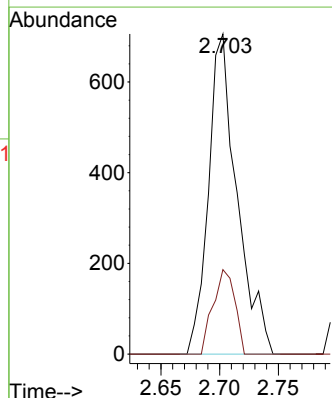
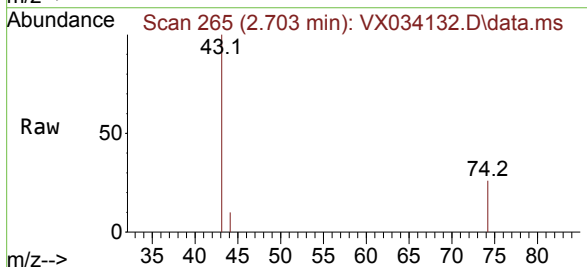
Acq: 10 Feb 2023 22:04

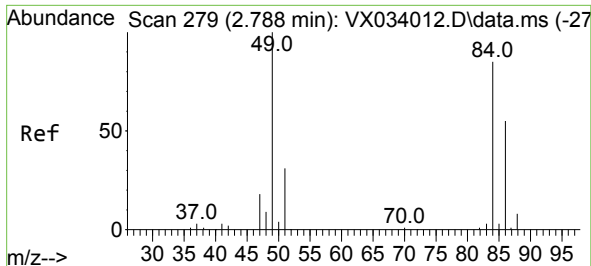
Tgt Ion: 43 Resp: 1194

Ion Ratio Lower Upper

43 100

74 20.0 18.2 27.4





#20

Methylene Chloride

Concen: 6.082 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX034132.D

Acq: 10 Feb 2023 22:04

Instrument :

MSVOA_X

ClientSampleId :

TWM-TP14-020823

Tgt Ion: 84 Resp: 6539

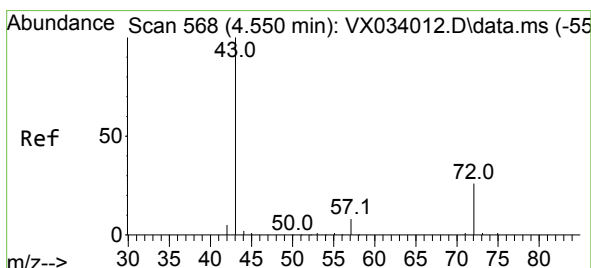
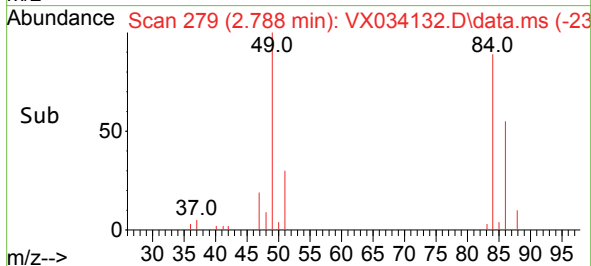
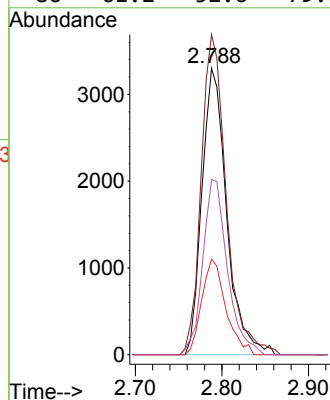
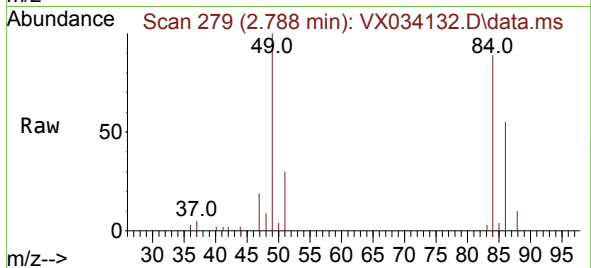
Ion Ratio Lower Upper

84 100

49 111.8 101.1 151.7

51 33.3 31.0 46.6

86 61.2 52.6 79.0



#25

2-Butanone

Concen: 4.893 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.012 min

Lab File: VX034132.D

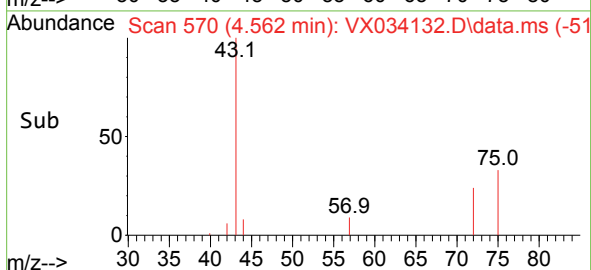
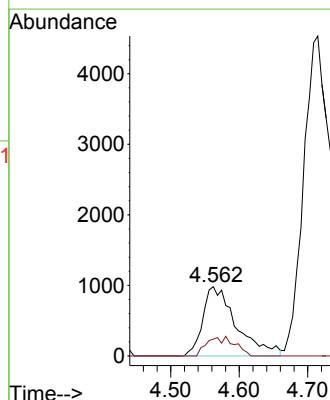
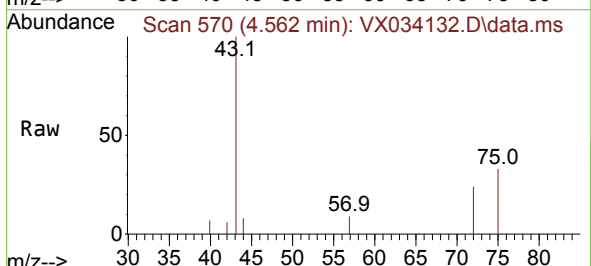
Acq: 10 Feb 2023 22:04

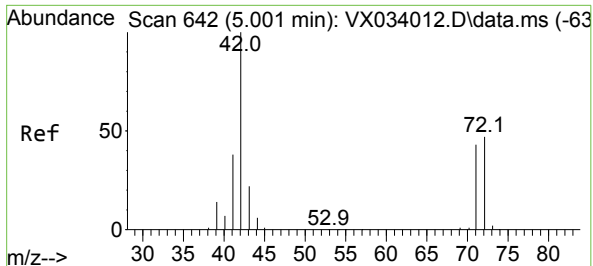
Tgt Ion: 43 Resp: 3348

Ion Ratio Lower Upper

43 100

72 24.3 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.368 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX034132.D

Acq: 10 Feb 2023 22:04

Instrument :

MSVOA_X

ClientSampleId :

TWM-TP14-020823

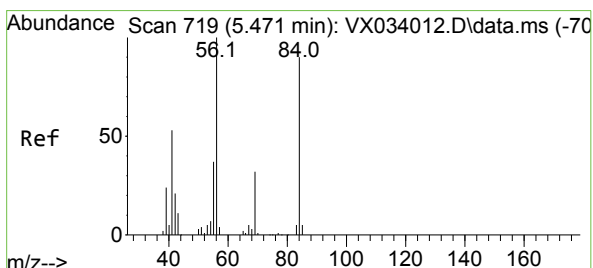
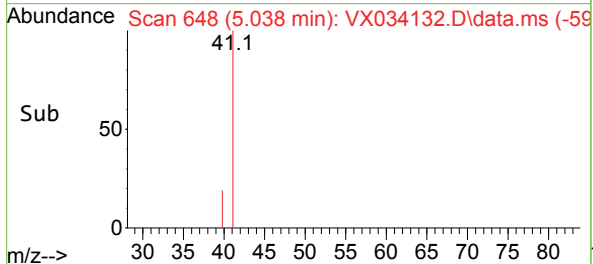
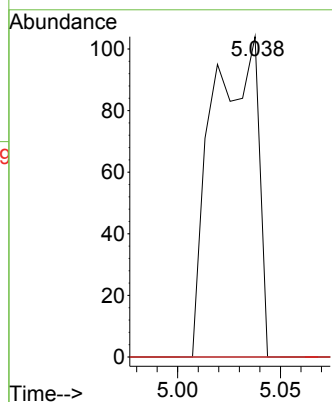
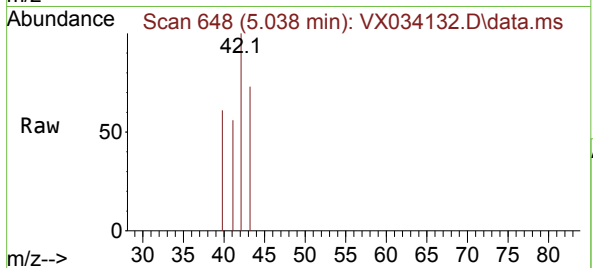
Tgt Ion: 42 Resp: 160

Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.033 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX034132.D

Acq: 10 Feb 2023 22:04

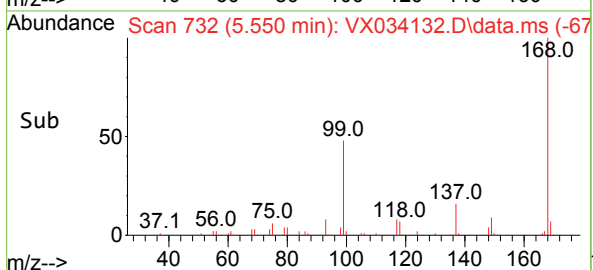
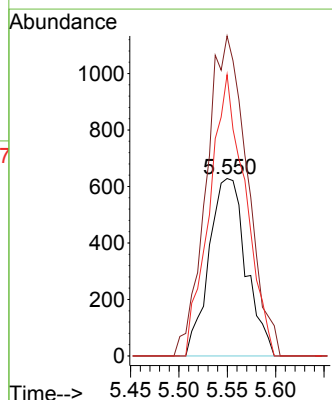
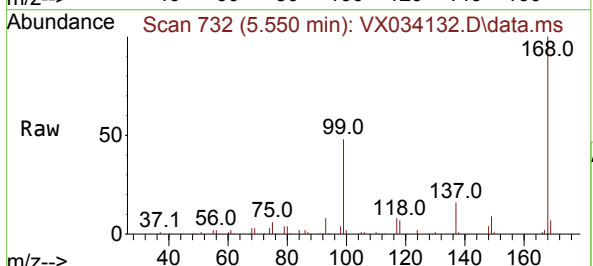
Tgt Ion: 56 Resp: 1673

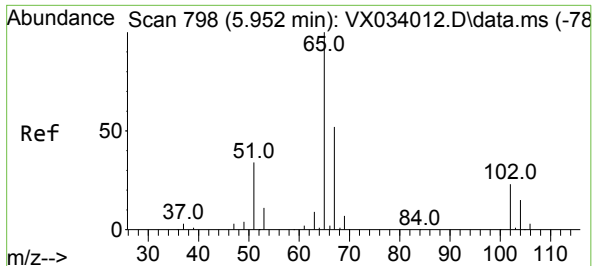
Ion Ratio Lower Upper

56 100

69 180.4 24.6 37.0#

84 158.6 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 52.653 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX034132.D

Acq: 10 Feb 2023 22:04

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MSVOA_X

ClientSampleId :

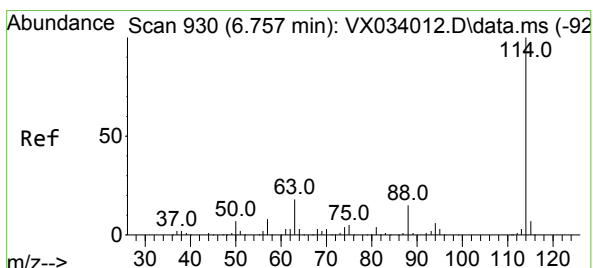
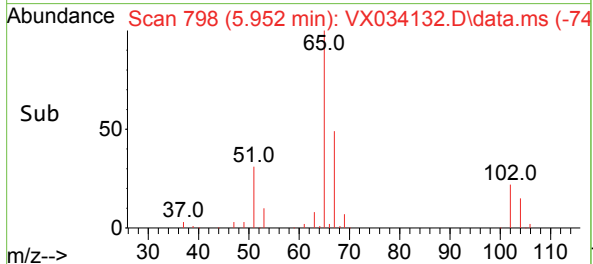
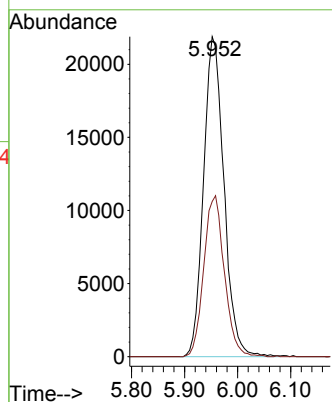
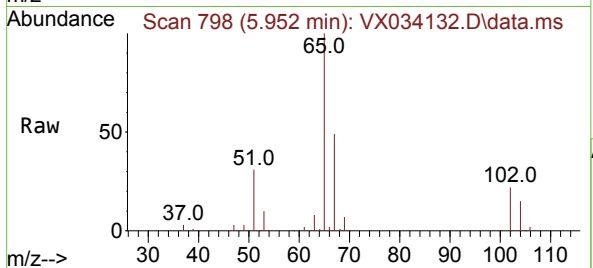
TWM-TP14-020823

Tgt Ion: 65 Resp: 58583

Ion Ratio Lower Upper

65 100

67 50.8 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: VX034132.D

Acq: 10 Feb 2023 22:04

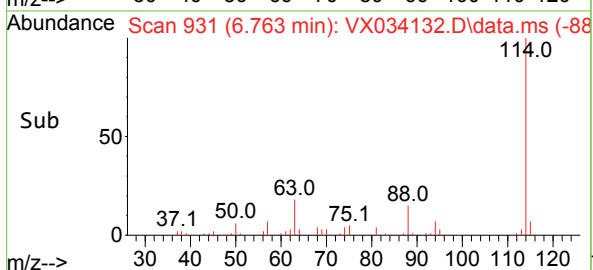
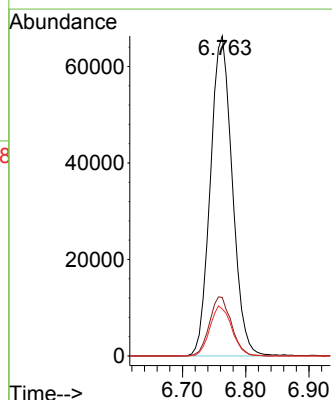
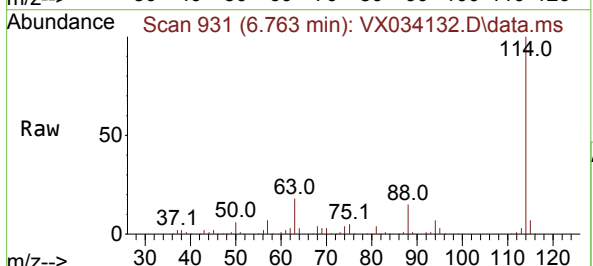
Tgt Ion: 114 Resp: 159605

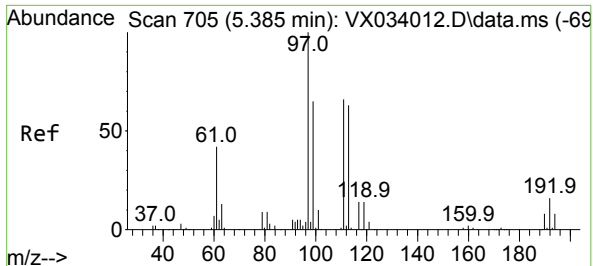
Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.4

88 14.6 0.0 30.6

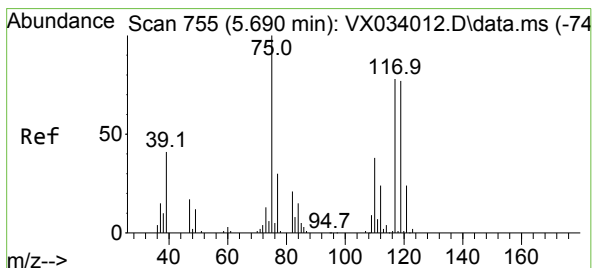
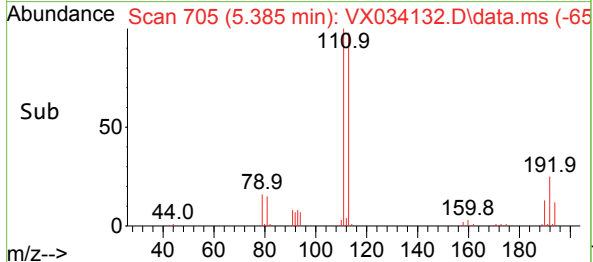
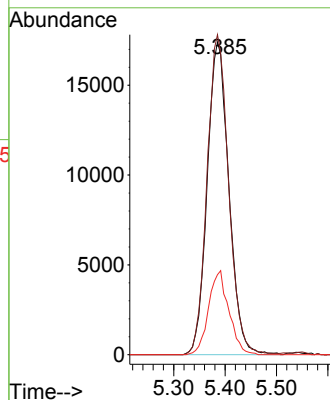
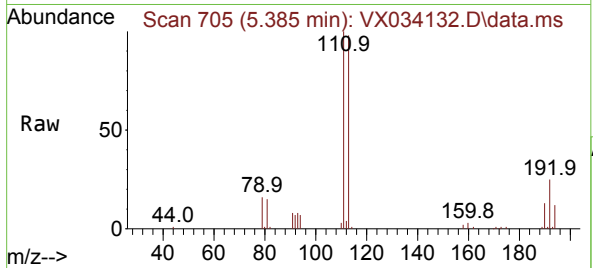




#35
Dibromofluoromethane
Concen: 50.194 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

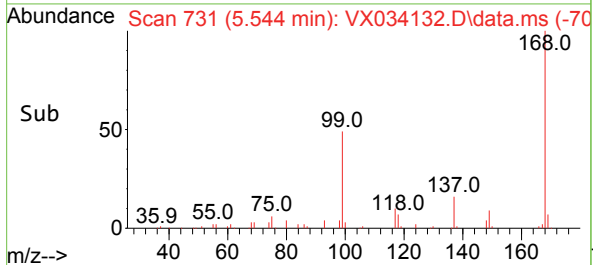
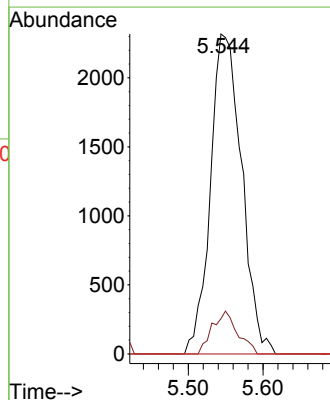
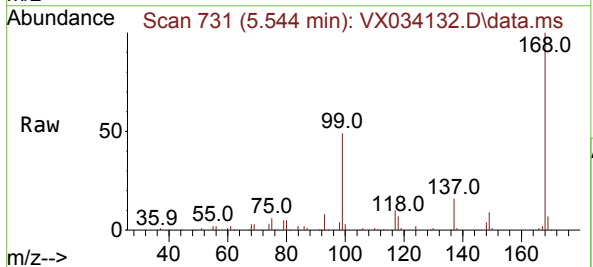
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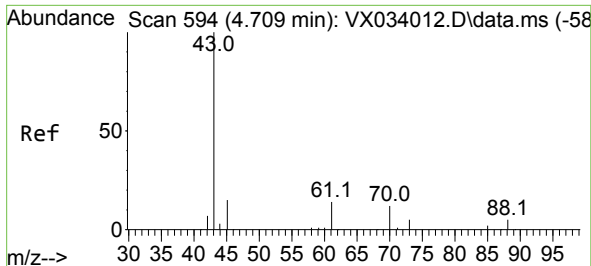
Tgt Ion:113 Resp: 50986
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.6
192 25.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.825 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

Tgt Ion: 75 Resp: 6720
Ion Ratio Lower Upper
75 100
110 10.8 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 10.268 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX034132.D

Acq: 10 Feb 2023 22:04

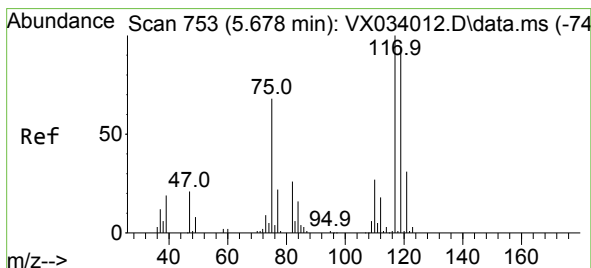
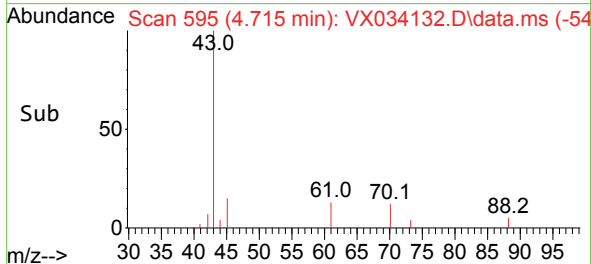
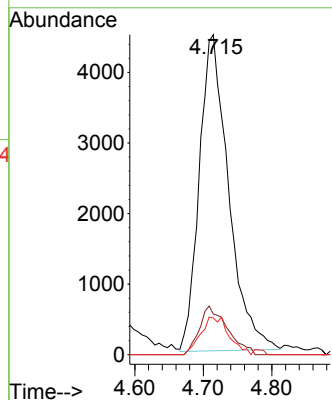
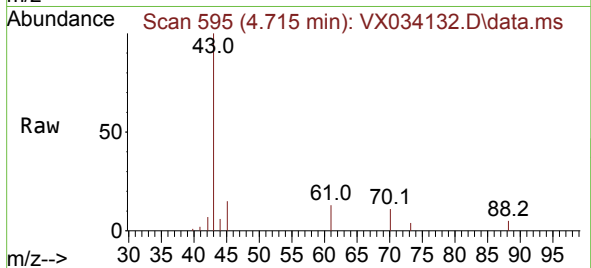
Instrument :

MSVOA_X

ClientSampleId :

TWM-TP14-020823

Tgt Ion: 43	Resp: 13322
Ion Ratio	Lower Upper
43	100
61	14.7 11.1 16.7
70	11.4 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.594 ug/l

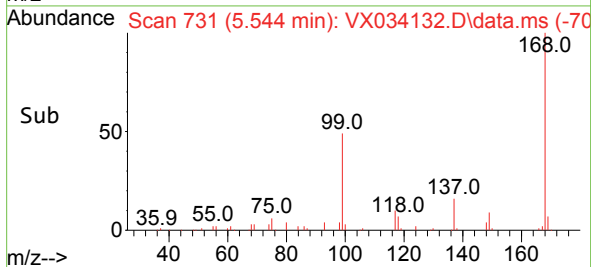
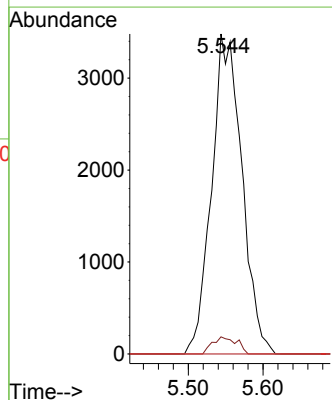
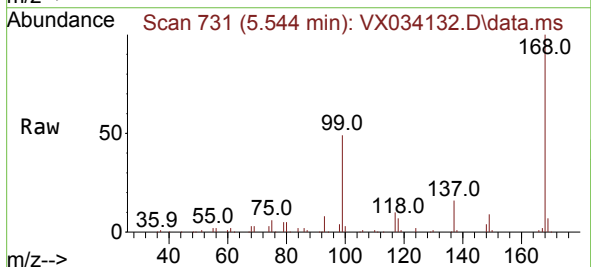
RT: 5.544 min Scan# 731

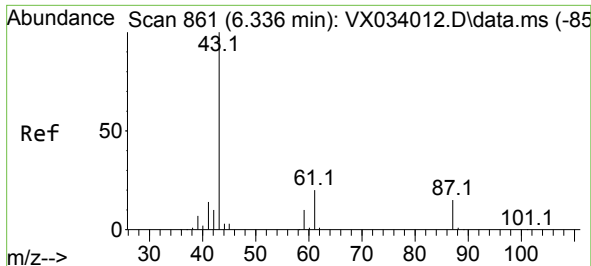
Delta R.T. -0.134 min

Lab File: VX034132.D

Acq: 10 Feb 2023 22:04

Tgt Ion: 117	Resp: 9794
Ion Ratio	Lower Upper
117	100
119	5.4 78.0 117.0#
121	0.0 24.4 36.6#

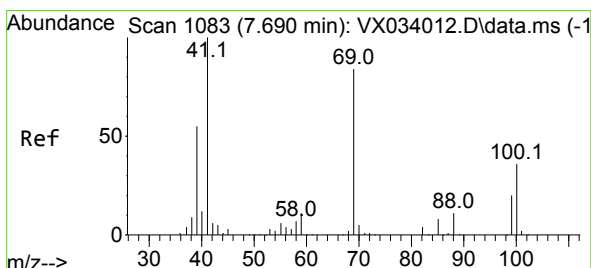
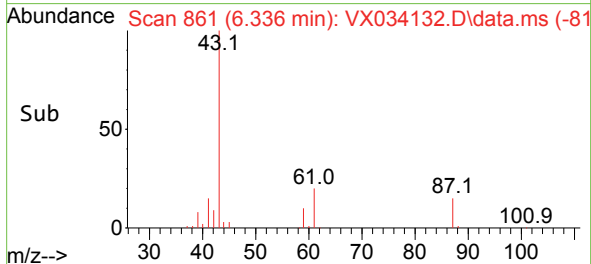
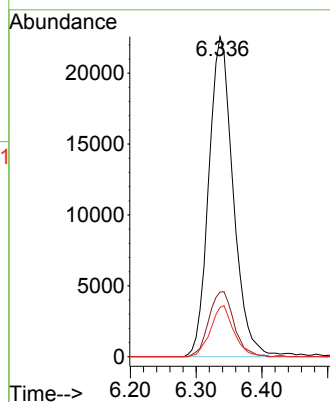
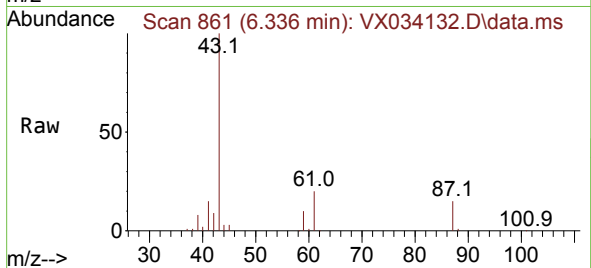




#43
Isopropyl Acetate
Concen: 28.825 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

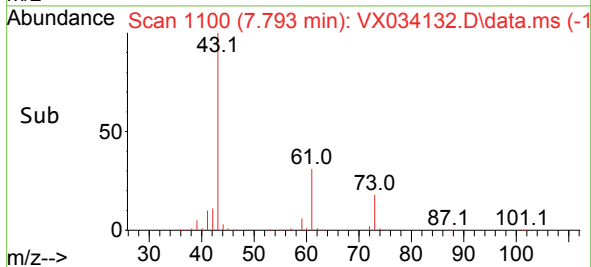
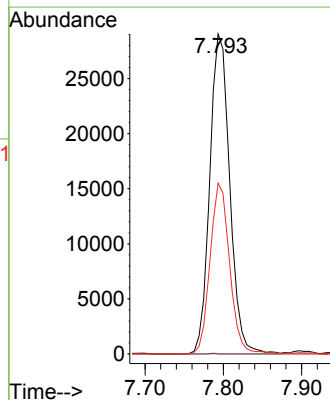
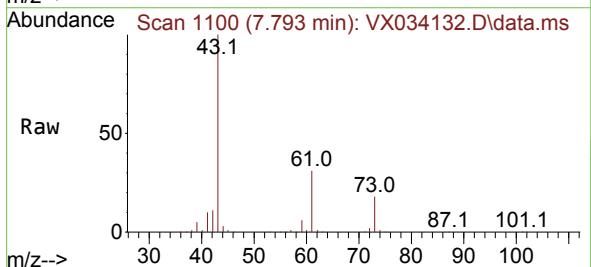
Instrument :
MSVOA_X
ClientSampleId :
TWM-TP14-020823

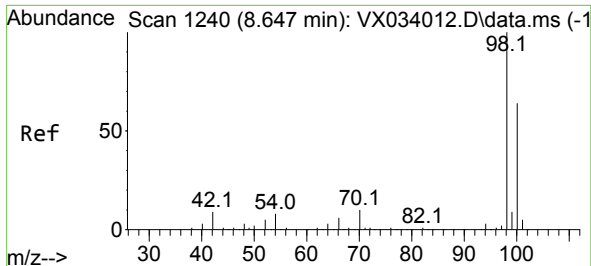
Tgt Ion: 43 Resp: 58321
Ion Ratio Lower Upper
43 100
61 20.9 15.7 23.5
87 15.2 10.6 15.8



#48
Methyl methacrylate
Concen: 49.240 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

Tgt Ion: 41 Resp: 51439
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 52.3 43.2 64.8

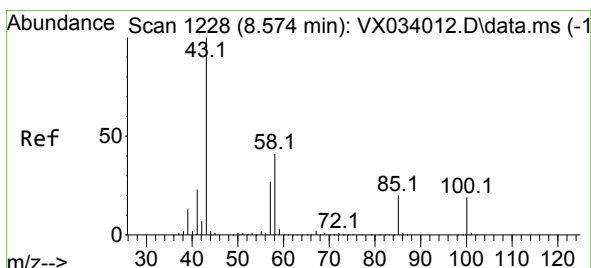
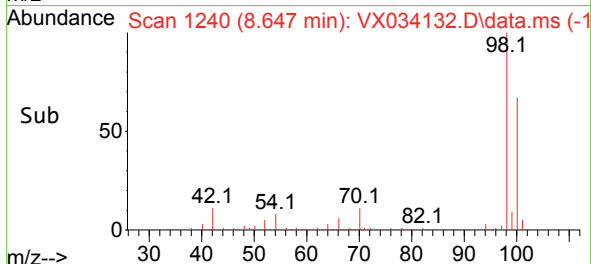
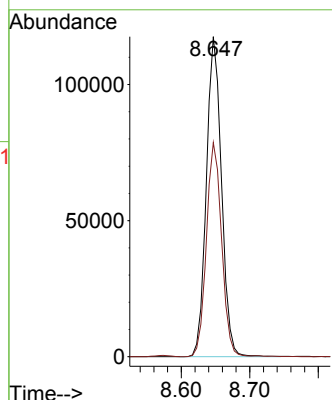
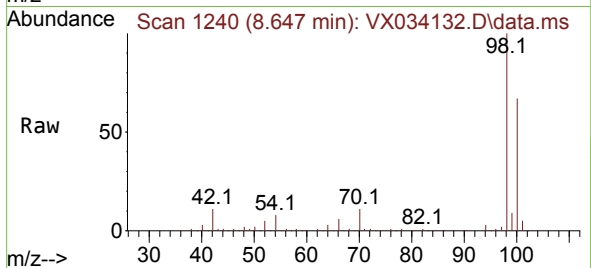




#50
Toluene-d8
Concen: 49.369 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

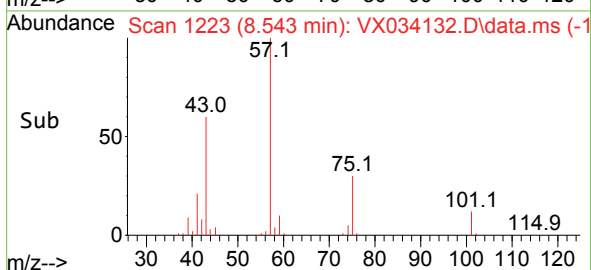
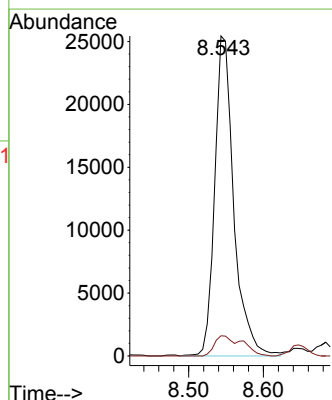
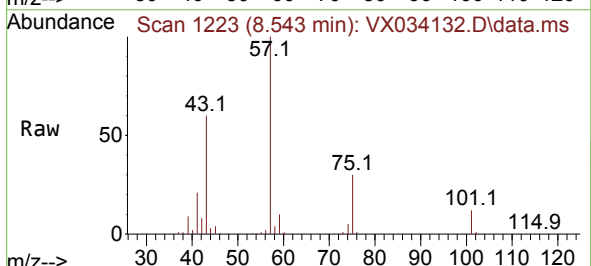
Instrument :
MSVOA_X
ClientSampleId :
TWM-TP14-020823

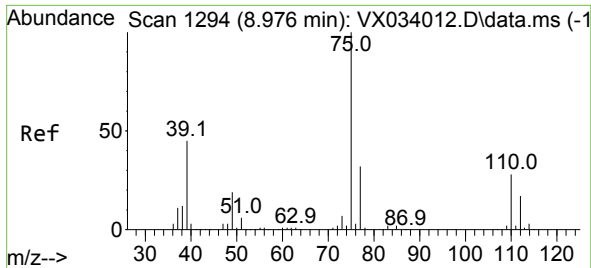
Tgt Ion: 98 Resp: 180680
Ion Ratio Lower Upper
98 100
100 67.5 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 35.554 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

Tgt Ion: 43 Resp: 45122
Ion Ratio Lower Upper
43 100
58 9.3 31.2 46.8#

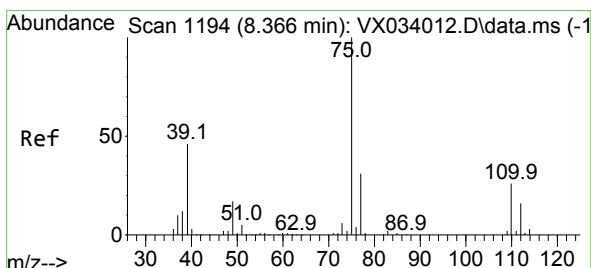
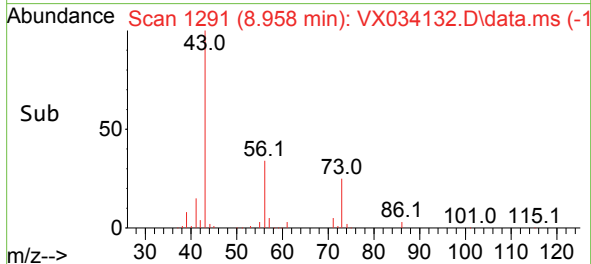
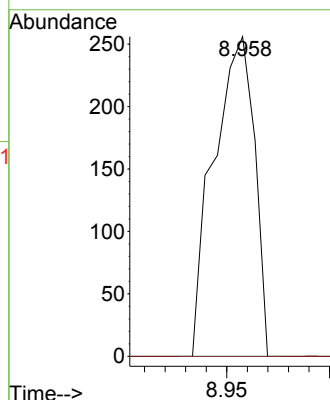
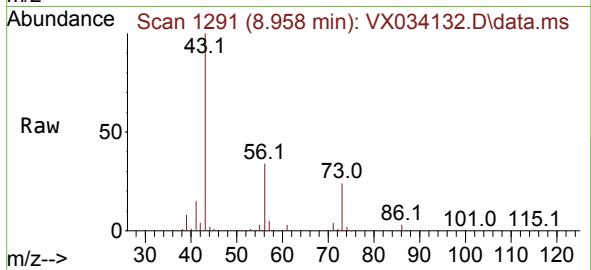




#53
 t-1,3-Dichloropropene
 Concen: 0.260 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX034132.D
 Acq: 10 Feb 2023 22:04

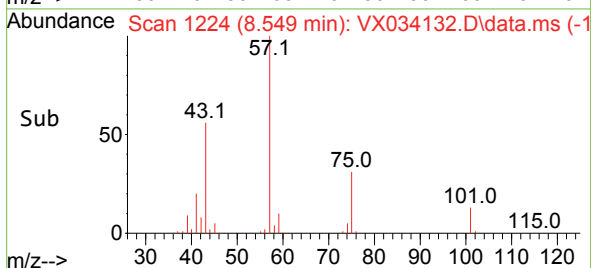
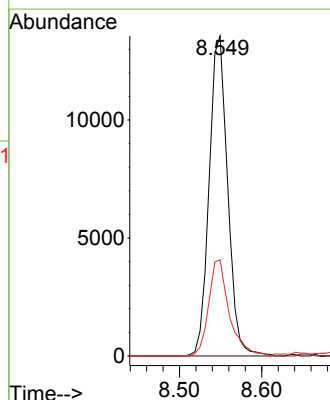
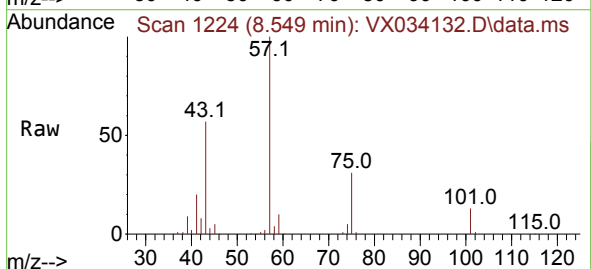
Instrument :
 MSVOA_X
 ClientSampleId :
 TWM-TP14-020823

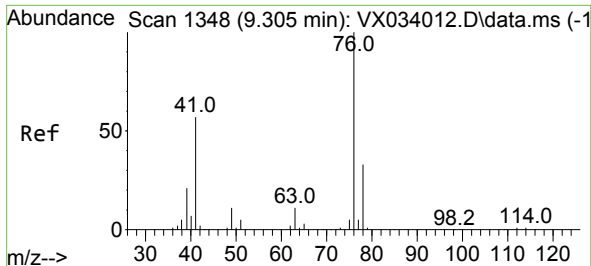
Tgt Ion: 75 Resp: 353
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 13.713 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX034132.D
 Acq: 10 Feb 2023 22:04

Tgt Ion: 75 Resp: 21183
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 30.1 38.6 58.0#





#57

1,3-Dichloropropane

Concen: 1.610 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034132.D

Acq: 10 Feb 2023 22:04

Instrument :

MSVOA_X

ClientSampleId :

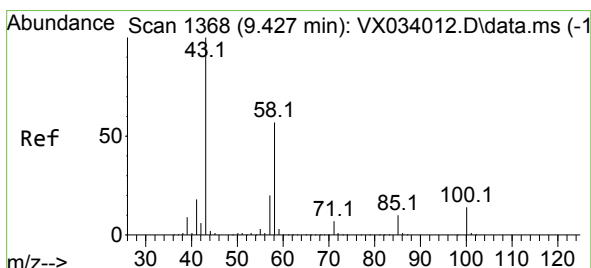
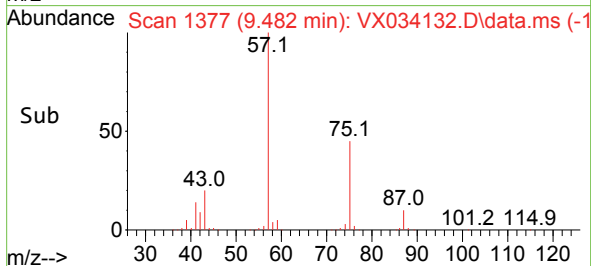
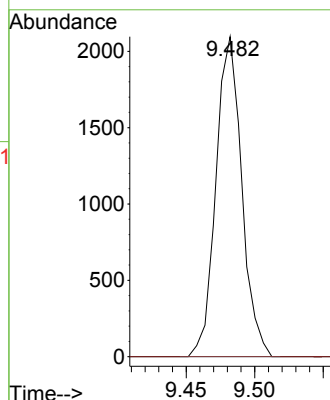
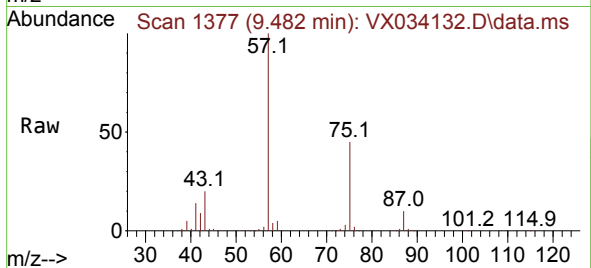
TWM-TP14-020823

Tgt Ion: 76 Resp: 2743

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 38.512 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034132.D

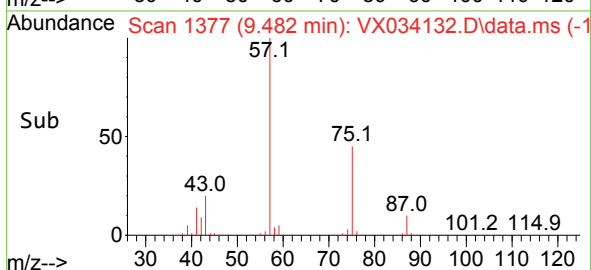
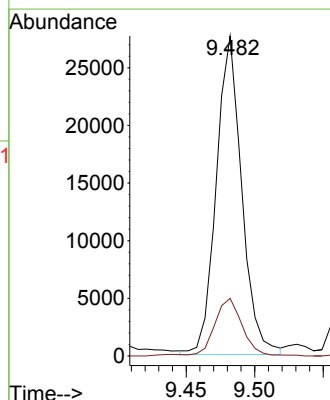
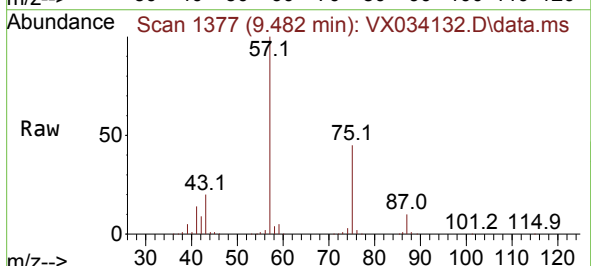
Acq: 10 Feb 2023 22:04

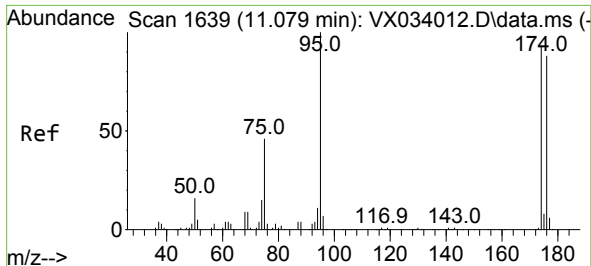
Tgt Ion: 43 Resp: 35768

Ion Ratio Lower Upper

43 100

58 19.9 27.4 82.0#

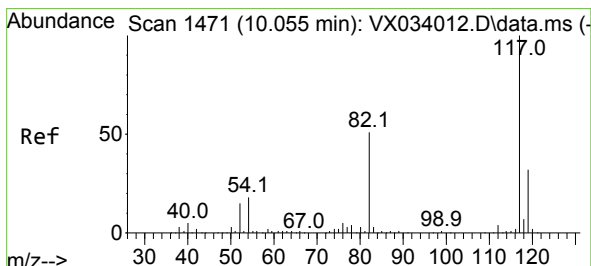
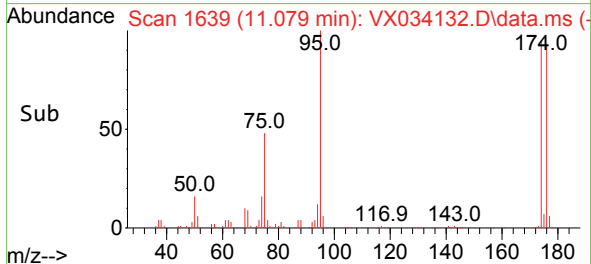
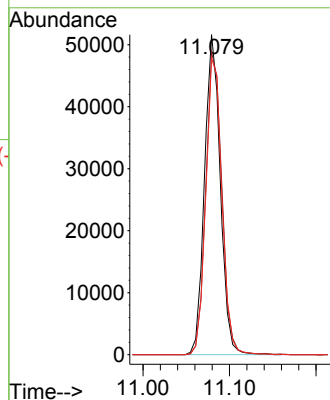
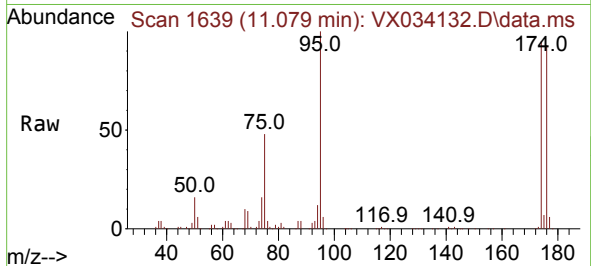




#62
4-Bromofluorobenzene
Concen: 49.904 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

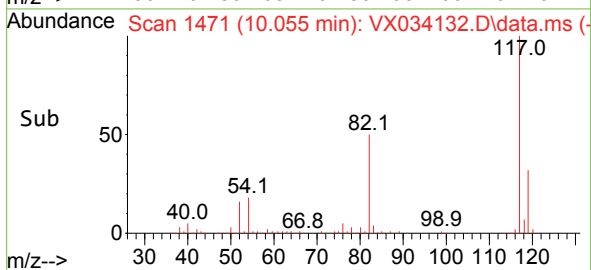
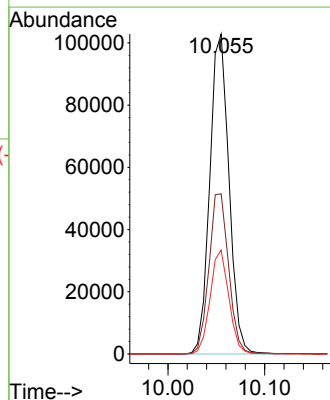
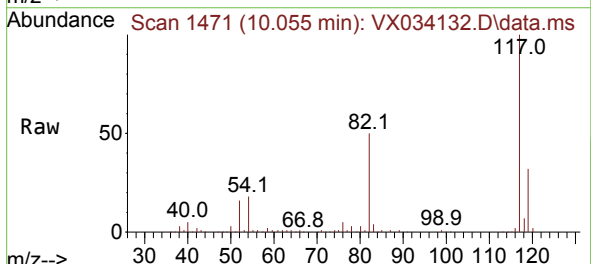
Instrument :
MSVOA_X
ClientSampleId :
TWM-TP14-020823

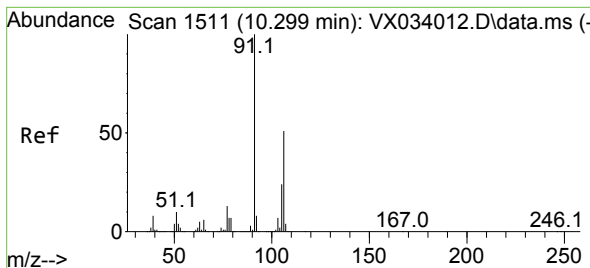
Tgt Ion: 95 Resp: 65230
Ion Ratio Lower Upper
95 100
174 96.6 0.0 184.4
176 94.5 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

Tgt Ion: 117 Resp: 142205
Ion Ratio Lower Upper
117 100
82 50.0 40.6 60.8
119 32.5 25.6 38.4

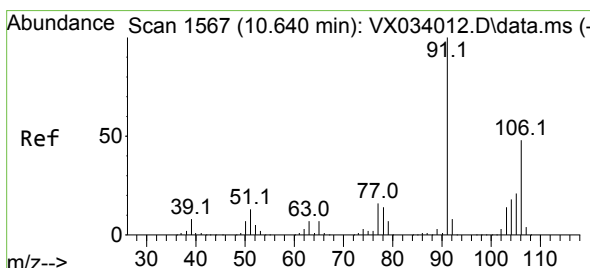
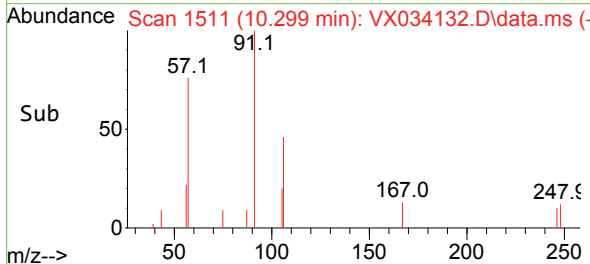
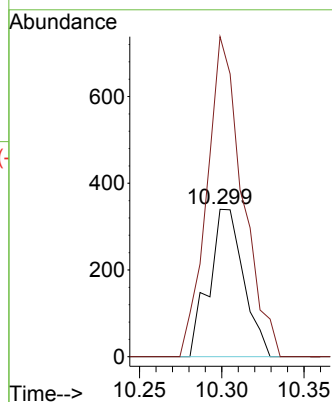
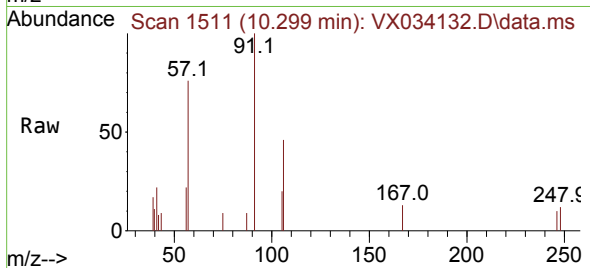




#68
m/p-Xylenes
Concen: 0.250 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

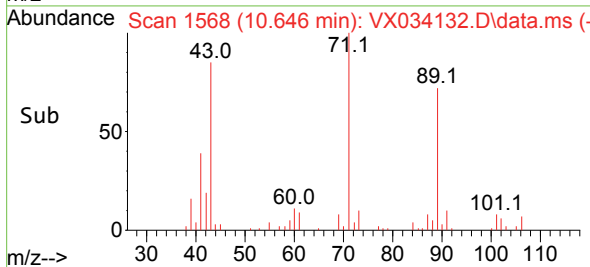
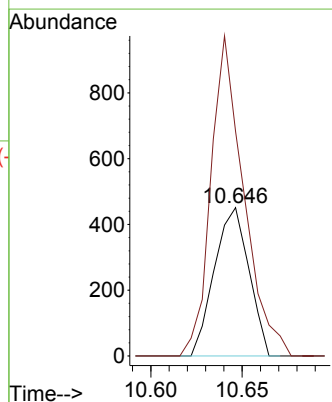
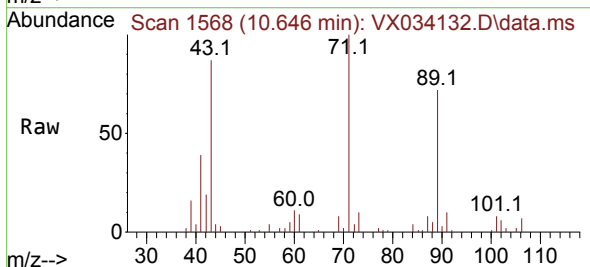
Instrument :
MSVOA_X
ClientSampleId :
TWM-TP14-020823

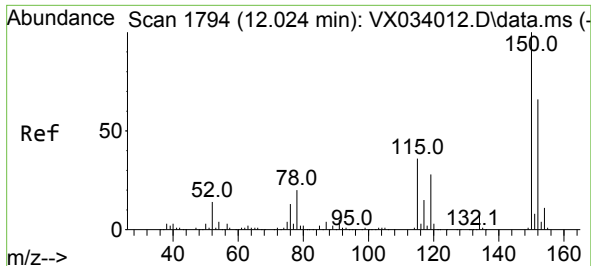
Tgt Ion:106 Resp: 496
Ion Ratio Lower Upper
106 100
91 224.6 156.4 234.6



#69
o-Xylene
Concen: 0.311 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

Tgt Ion:106 Resp: 593
Ion Ratio Lower Upper
106 100
91 204.9 103.1 309.3

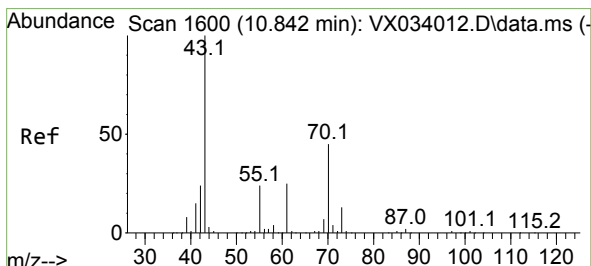
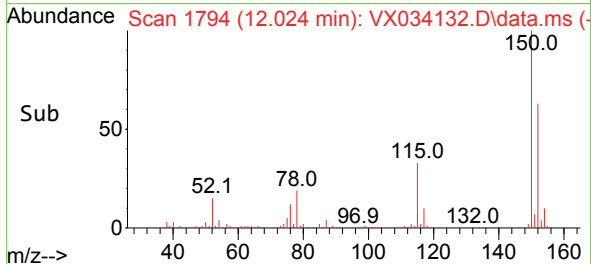
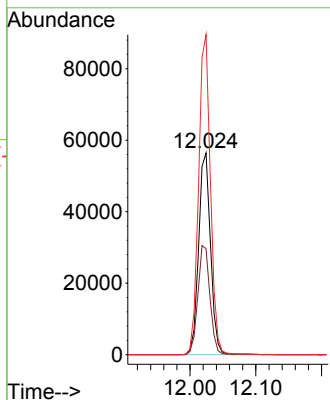
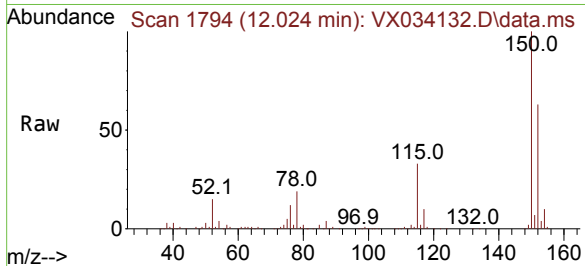




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

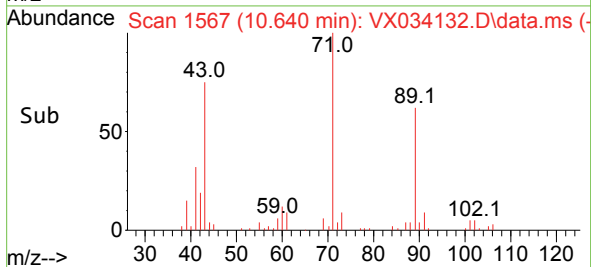
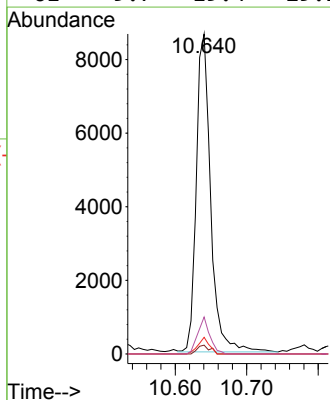
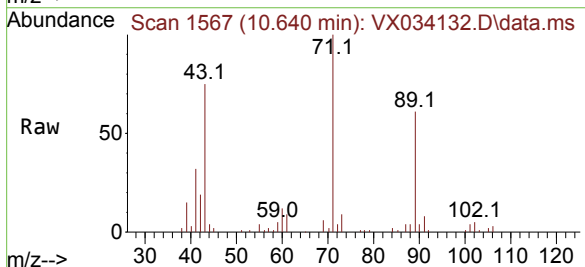
Instrument :
MSVOA_X
ClientSampleId :
TWM-TP14-020823

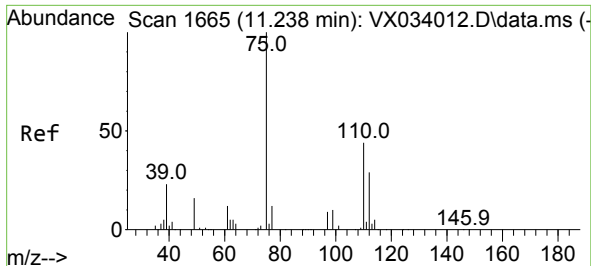
Tgt Ion:152 Resp: 71112
Ion Ratio Lower Upper
152 100
115 54.7 38.7 116.1
150 157.4 0.0 348.2



#74
N-ethyl acetate
Concen: 7.692 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

Tgt Ion: 43 Resp: 12043
Ion Ratio Lower Upper
43 100
70 2.4 34.8 52.2#
55 4.1 19.4 29.0#
61 9.7 19.4 29.2#

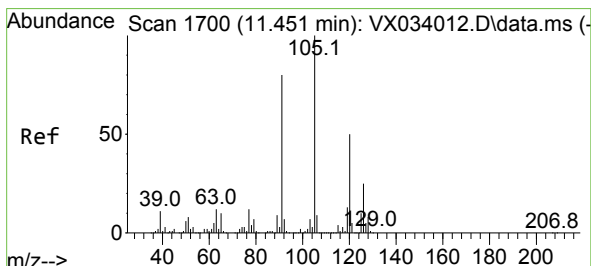
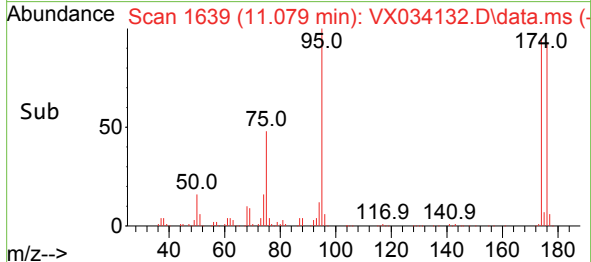
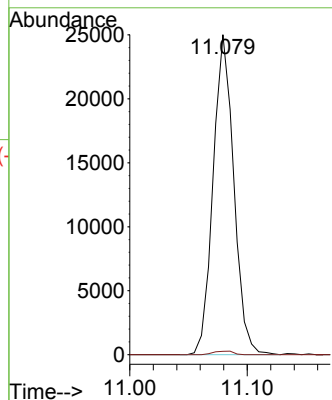
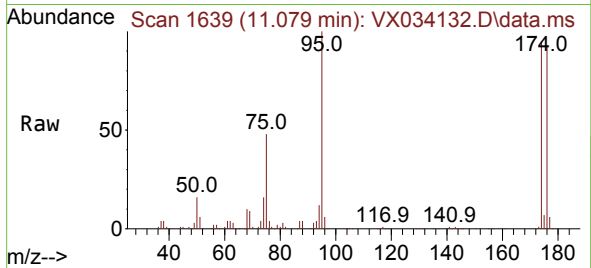




#76
1,2,3-Trichloropropane
Concen: 25.016 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

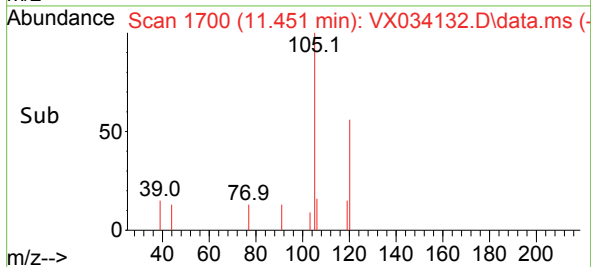
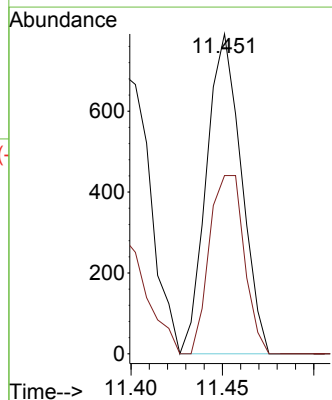
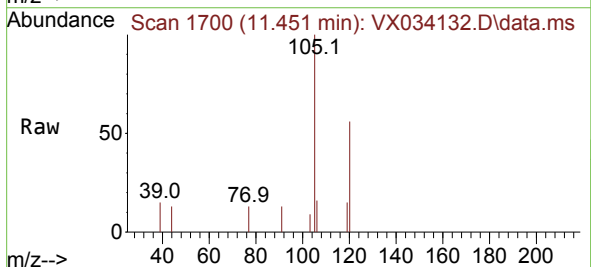
Instrument :
MSVOA_X
ClientSampleId :
TWM-TP14-020823

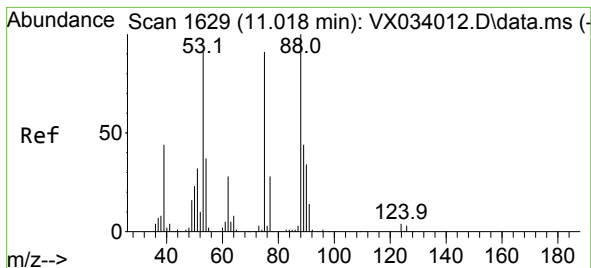
Tgt Ion: 75 Resp: 30546
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#80
1,3,5-Trimethylbenzene
Concen: 0.265 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

Tgt Ion: 105 Resp: 1048
Ion Ratio Lower Upper
105 100
120 55.9 25.6 76.8

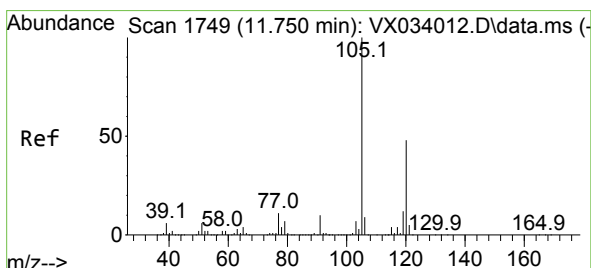
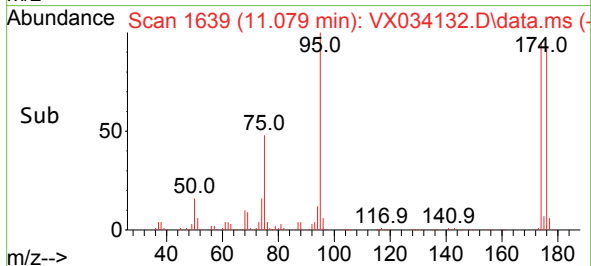
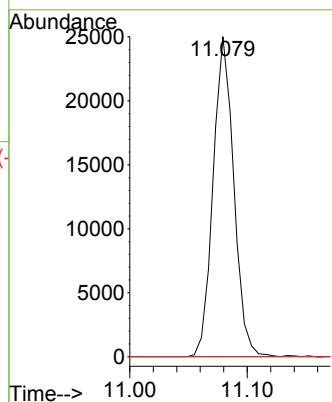
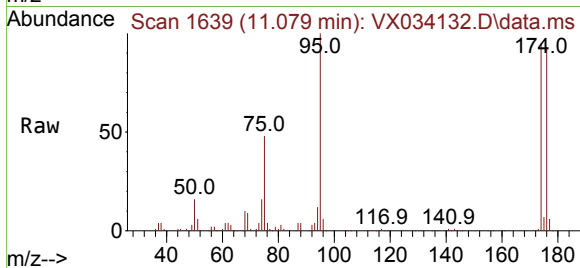




#81
trans-1,4-Dichloro-2-butene
Concen: 77.041 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

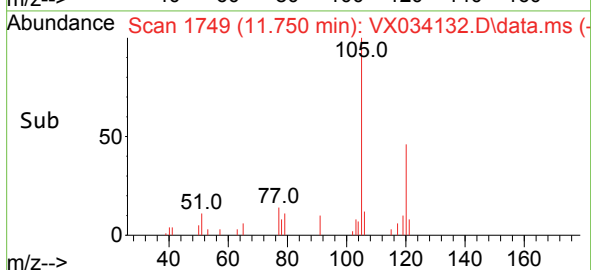
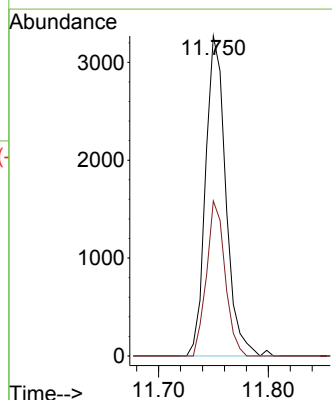
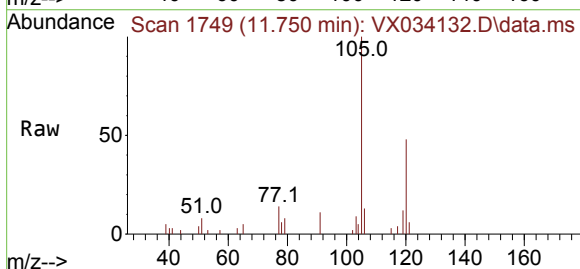
Instrument :
MSVOA_X
ClientSampleId :
TWM-TP14-020823

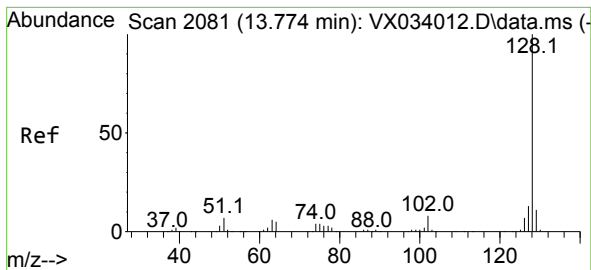
Tgt Ion: 75 Resp: 30546
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.062 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX034132.D
Acq: 10 Feb 2023 22:04

Tgt Ion: 105 Resp: 4199
Ion Ratio Lower Upper
105 100
120 44.2 23.4 70.2





#95

Naphthalene

Concen: 0.466 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX034132.D

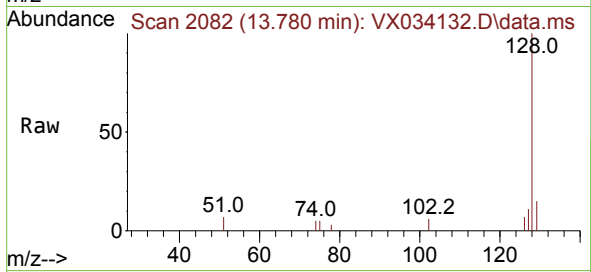
Acq: 10 Feb 2023 22:04

Instrument :

MSVOA_X

ClientSampleId :

TWM-TP14-020823



Tgt Ion:128 Resp: 2133

Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

129 15.6 8.7 13.1#

