

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039864.D
 Acq On : 20 Jan 2024 01:25
 Operator : JC/MD
 Sample : PB158526ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#07

Quant Time: Jan 20 03:56:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

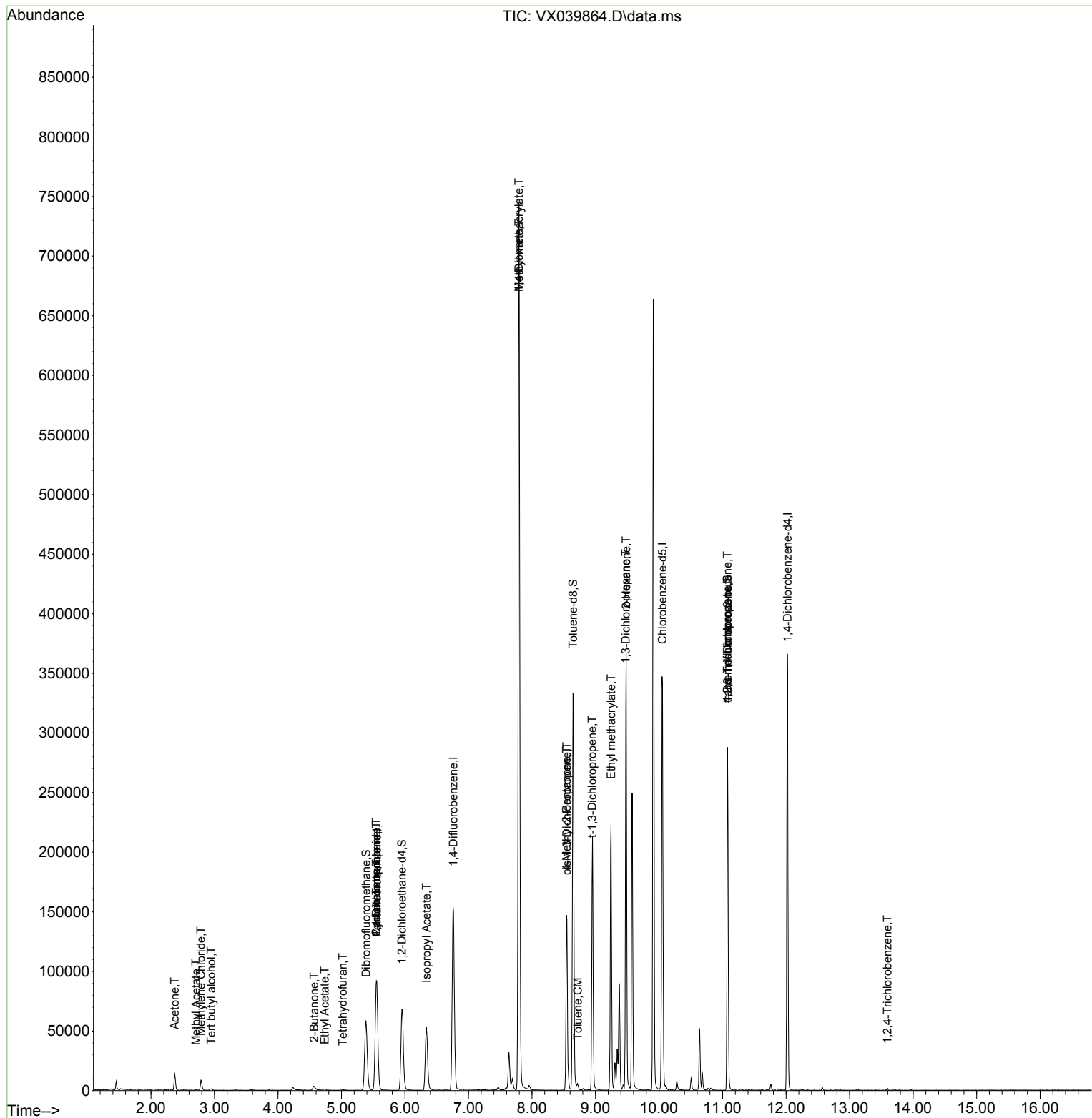
Internal Standards						
1) Pentafluorobenzene	5.555	168	83353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	152594	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65509	46.917	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.840%		
35) Dibromofluoromethane	5.385	113	50213	48.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.720%		
50) Toluene-d8	8.646	98	190237	49.076	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.160%		
62) 4-Bromofluorobenzene	11.079	95	74898	49.410	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.820%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	1405	3.866	ug/l	99
16) Acetone	2.373	43	13635	17.364	ug/l	96
18) Methyl Acetate	2.708	43	901	0.548	ug/l	99
20) Methylene Chloride	2.788	84	3612	3.041	ug/l	97
25) 2-Butanone	4.568	43	5493	4.868	ug/l	91
29) Tetrahydrofuran	5.019	42	500	0.688	ug/l #	45
31) Cyclohexane	5.549	56	2323	1.261	ug/l #	23
36) 1,1-Dichloropropene	5.549	75	7750	4.844	ug/l #	49
37) Ethyl Acetate	4.732	43	1852	0.868	ug/l #	86
38) Carbon Tetrachloride	5.549	117	9041	6.170	ug/l #	15
43) Isopropyl Acetate	6.336	43	73397	23.443	ug/l	98
48) Methyl methacrylate	7.793	41	66088	42.944	ug/l #	49
49) 1,4-Dioxane	7.793	88	30	1.007	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	54615	25.329	ug/l #	51
52) Toluene	8.720	92	1078	0.398	ug/l #	59
53) t-1,3-Dichloropropene	8.945	75	406	0.246	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	22413	12.357	ug/l #	59
56) Ethyl methacrylate	9.244	69	585	0.314	ug/l #	1
57) 1,3-Dichloropropane	9.475	76	2772	1.420	ug/l #	42
59) 2-Hexanone	9.482	43	42808	25.085	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	41715	22.718	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	41715	65.694	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	532	0.366	ug/l	94

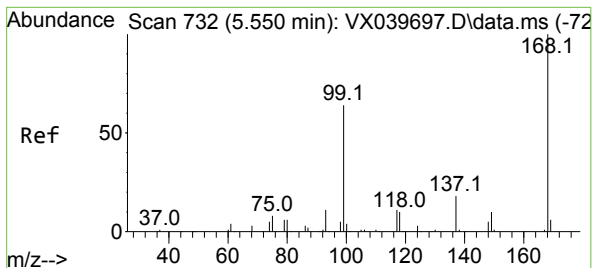
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.555 min Scan# 71

Delta R.T. 0.005 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

Instrument :

MSVOA_X

ClientSampleId :

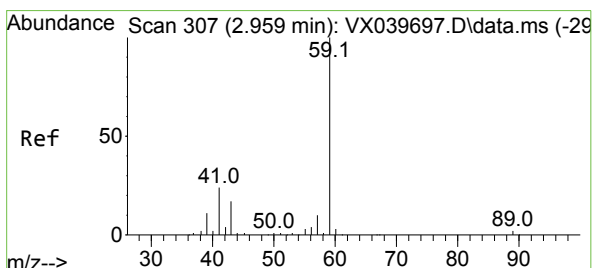
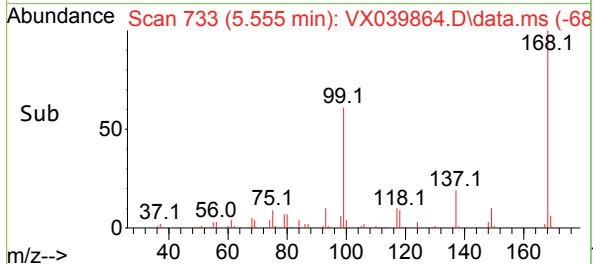
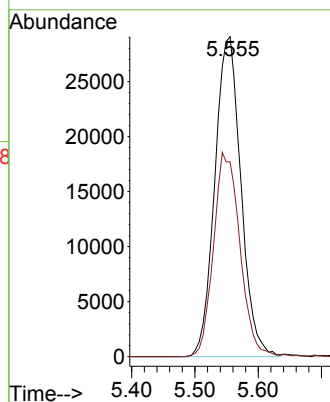
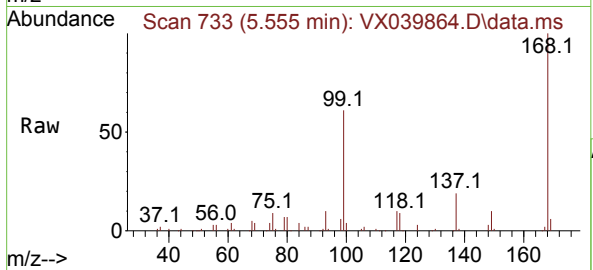
PB158526ZHE#07

Tgt Ion:168 Resp: 83353

Ion Ratio Lower Upper

168 100

99 60.9 56.6 85.0



#11

Tert butyl alcohol

Concen: 3.866 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.013 min

Lab File: VX039864.D

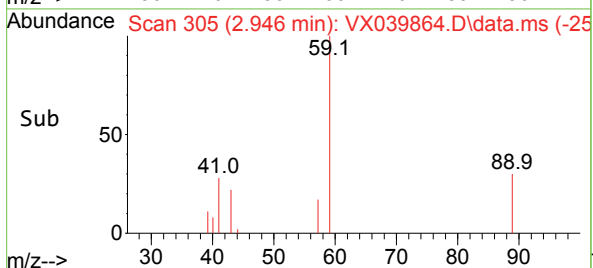
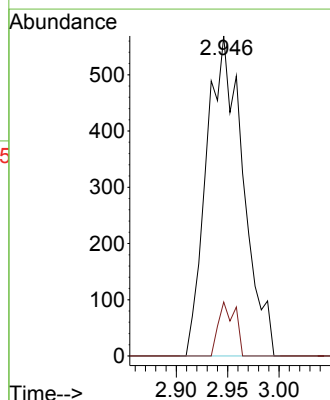
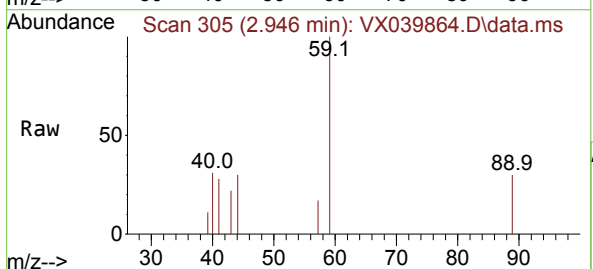
Acq: 20 Jan 2024 01:25

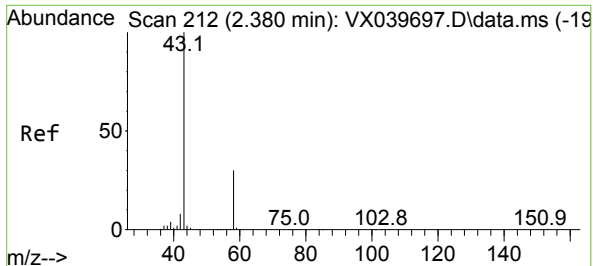
Tgt Ion: 59 Resp: 1405

Ion Ratio Lower Upper

59 100

57 7.8 6.0 9.0

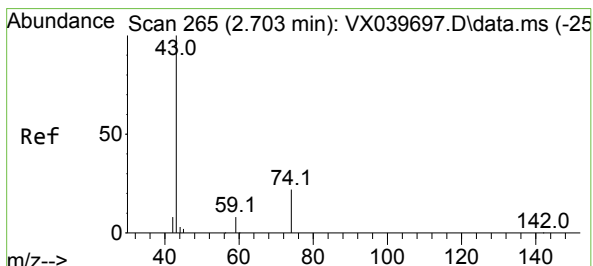
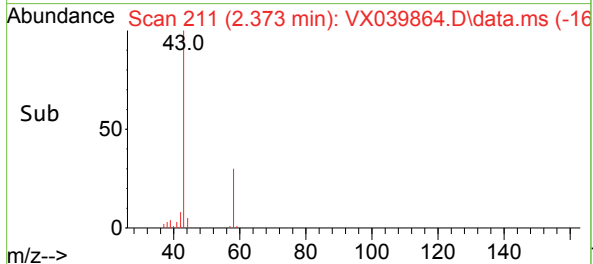
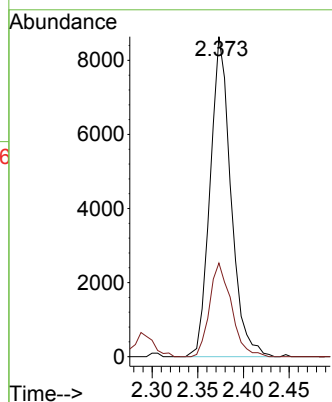
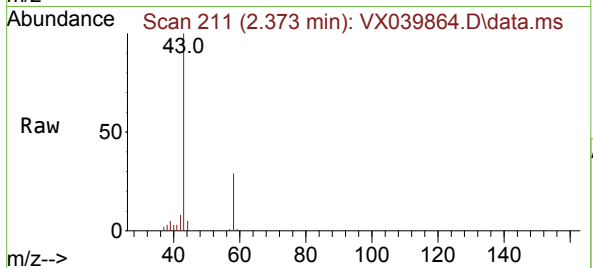




#16
Acetone
Concen: 17.364 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

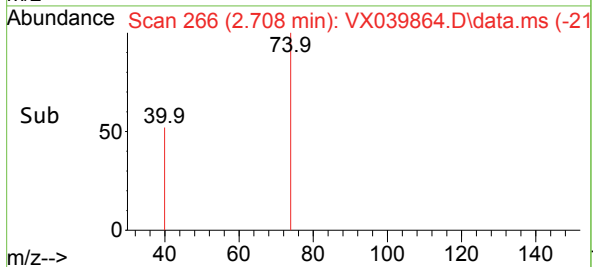
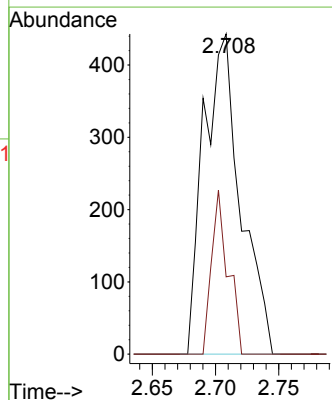
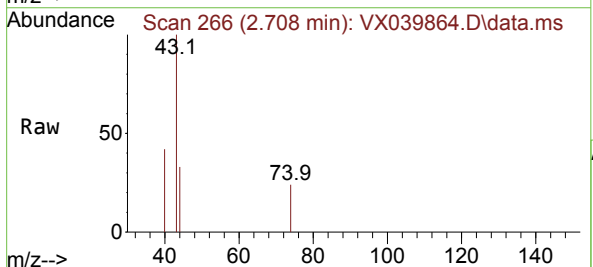
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#07

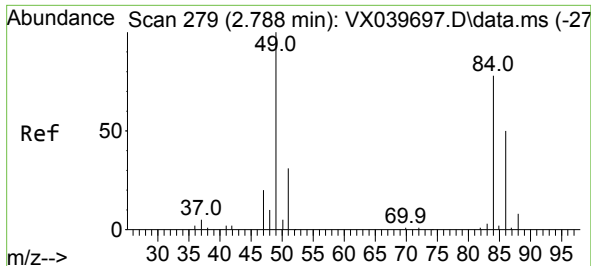
Tgt Ion: 43 Resp: 13635
Ion Ratio Lower Upper
43 100
58 29.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.548 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

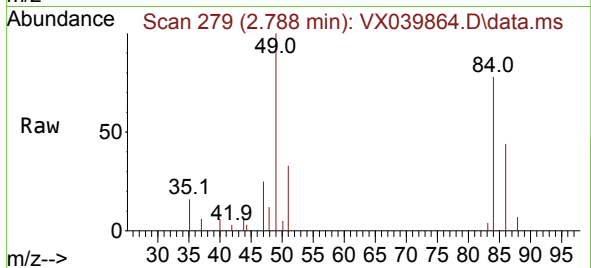
Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
74 22.9 17.8 26.8



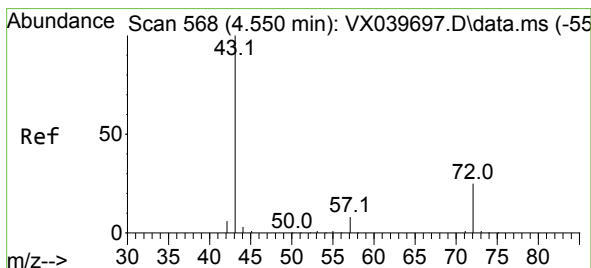
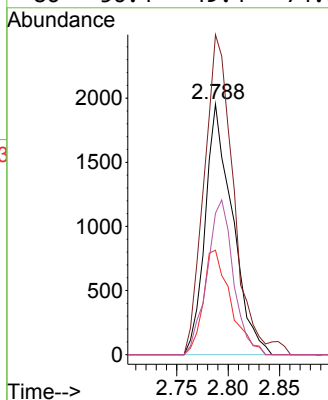


#20
Methylene Chloride
Concen: 3.041 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#07

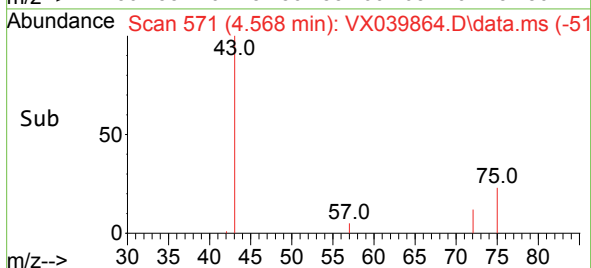
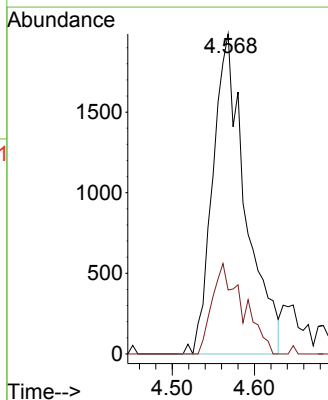
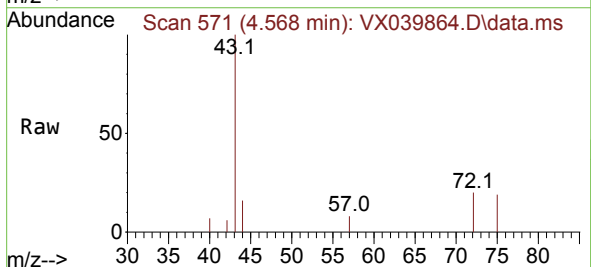


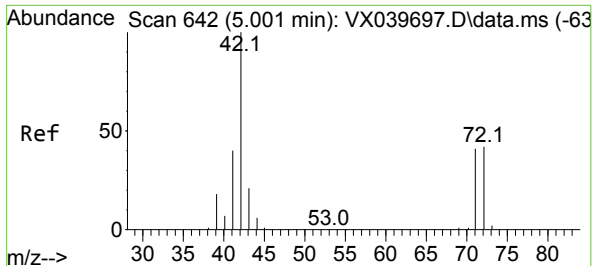
Tgt Ion: 84	Resp: 3612
Ion Ratio	Lower Upper
84 100	
49 127.7	103.6 155.4
51 41.7	33.8 50.6
86 56.4	49.4 74.0



#25
2-Butanone
Concen: 4.868 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

Tgt Ion: 43	Resp: 5493
Ion Ratio	Lower Upper
43 100	
72 20.0	19.4 29.2





#29

Tetrahydrofuran

Concen: 0.688 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

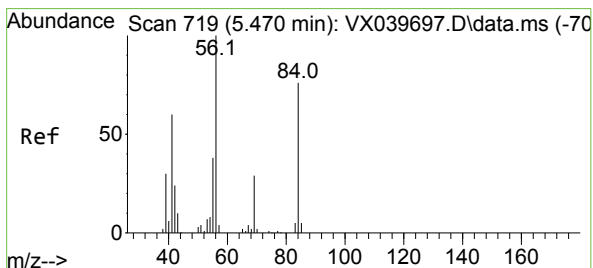
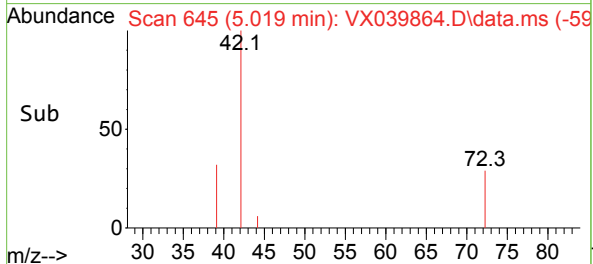
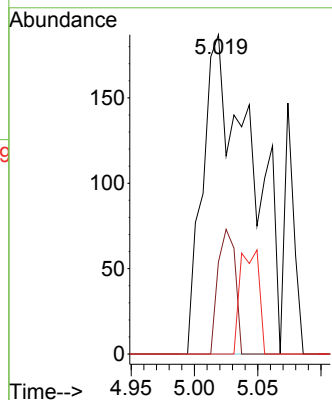
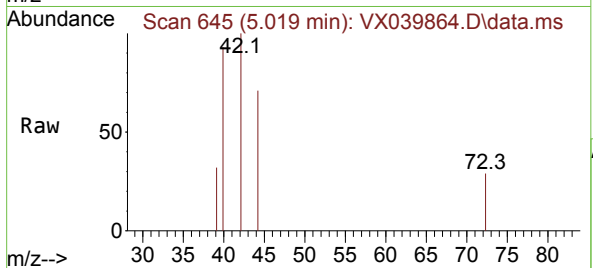
Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#07

Tgt Ion: 42	Resp: 500
Ion Ratio	Lower Upper
42	100
72	13.8 34.2 51.4#
71	0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.261 ug/l

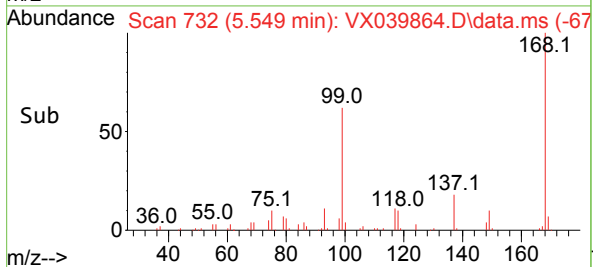
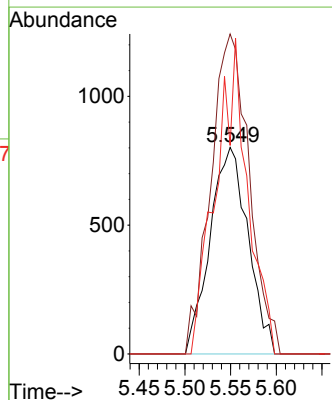
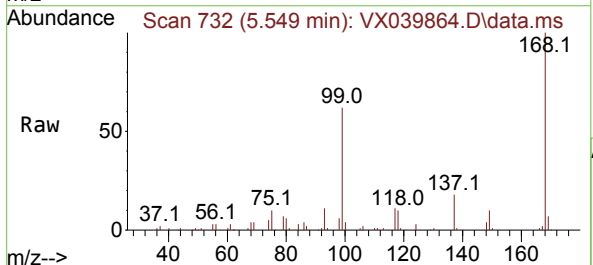
RT: 5.549 min Scan# 732

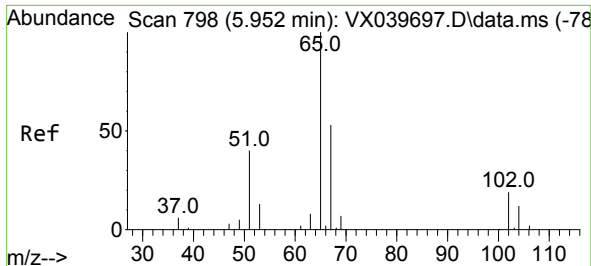
Delta R.T. 0.079 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

Tgt Ion: 56	Resp: 2323
Ion Ratio	Lower Upper
56	100
69	154.9 23.4 35.2#
84	100.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.917 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

Instrument :

MSVOA_X

ClientSampleId :

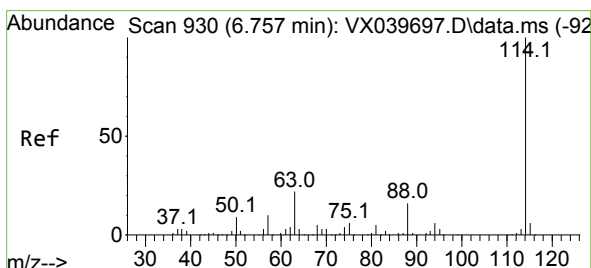
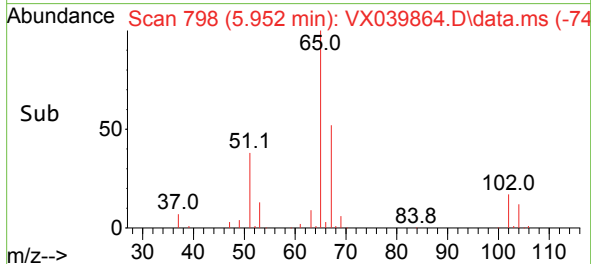
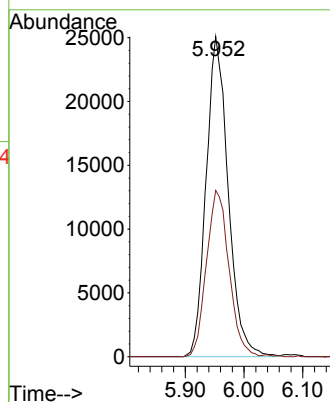
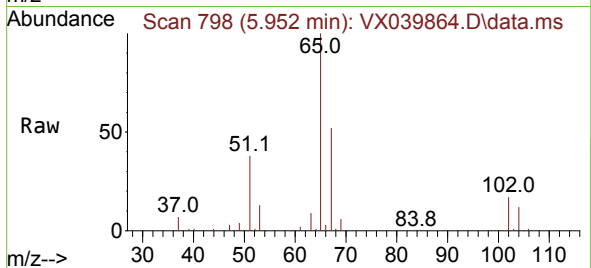
PB158526ZHE#07

Tgt Ion: 65 Resp: 65509

Ion Ratio Lower Upper

65 100

67 53.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

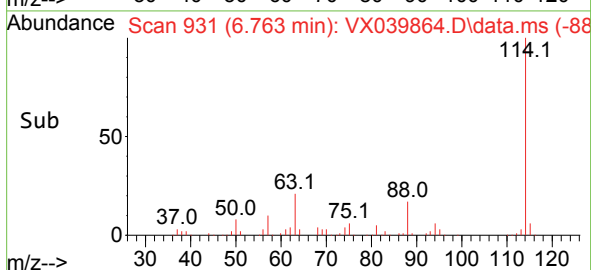
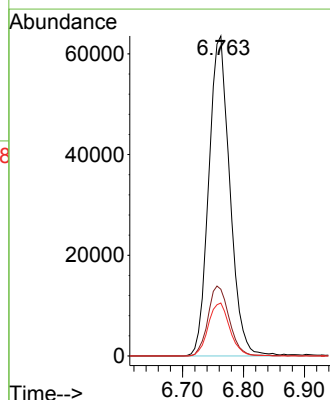
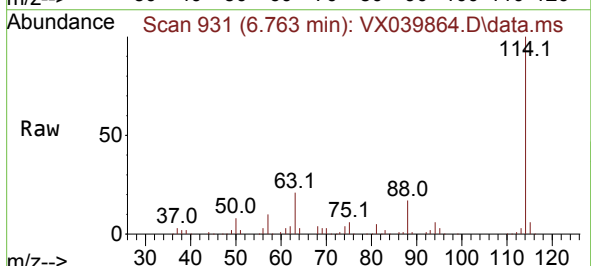
Tgt Ion: 114 Resp: 152594

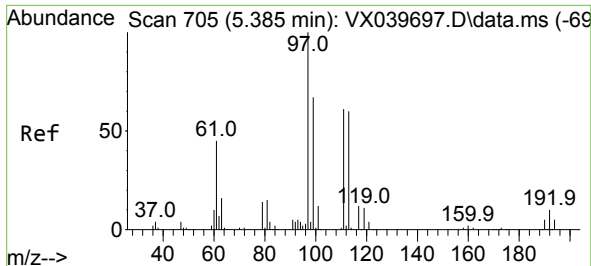
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

88 16.6 0.0 36.6

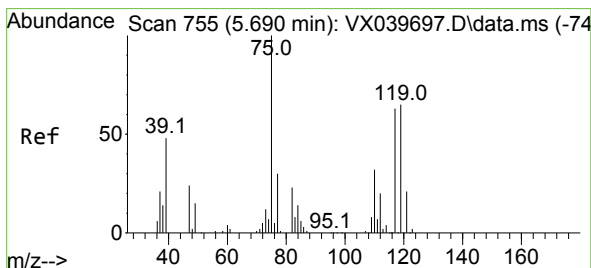
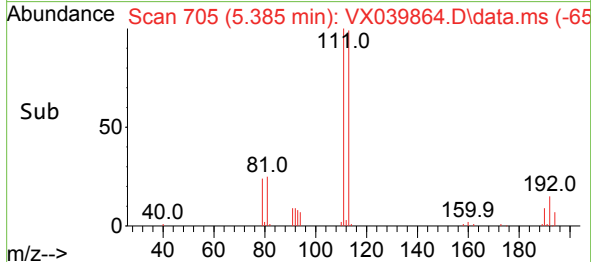
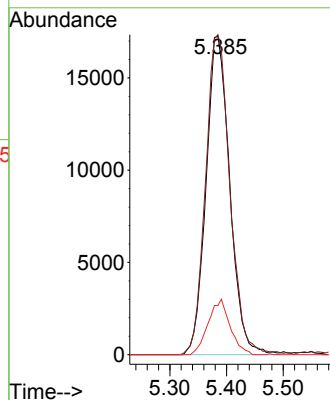
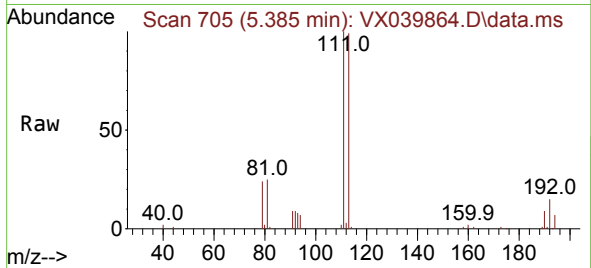




#35
Dibromofluoromethane
Concen: 48.855 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

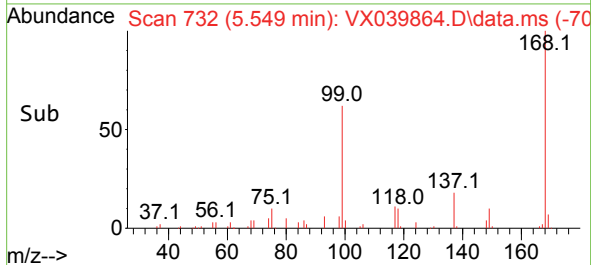
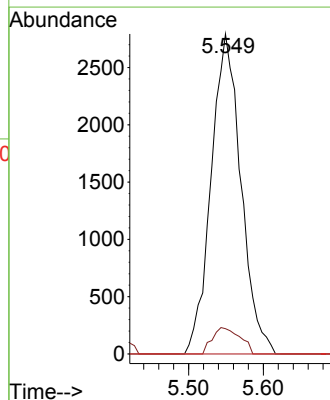
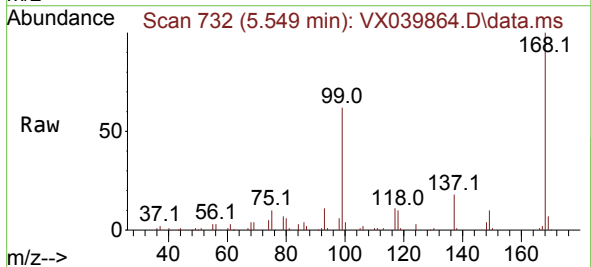
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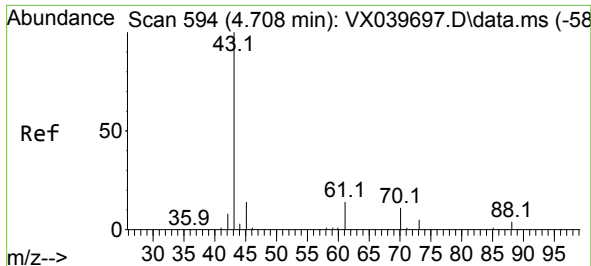
Tgt Ion:113 Resp: 50213
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 16.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.844 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

Tgt Ion: 75 Resp: 7750
Ion Ratio Lower Upper
75 100
110 7.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.868 ug/l

RT: 4.732 min Scan# 594

Delta R.T. 0.024 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#07

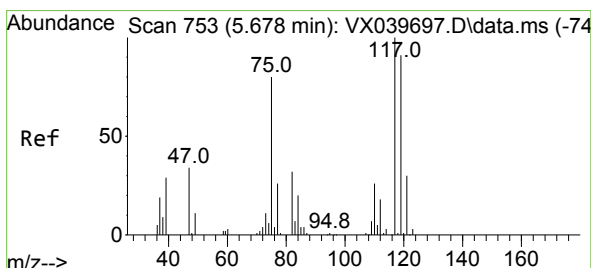
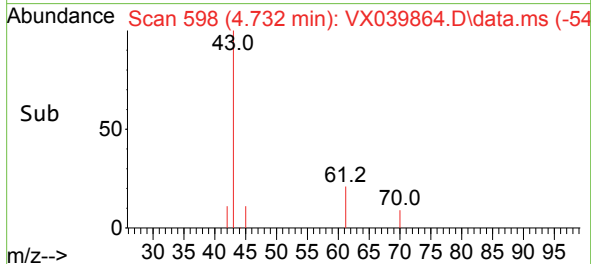
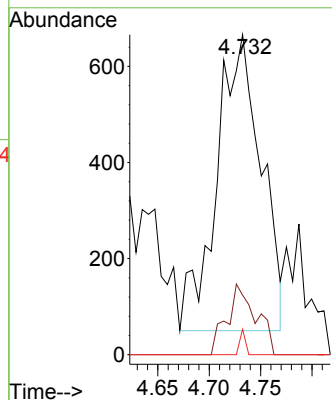
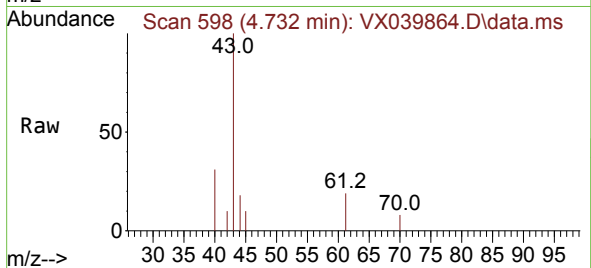
Tgt Ion: 43 Resp: 1852

Ion Ratio Lower Upper

43 100

61 15.7 10.6 16.0

70 1.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.170 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

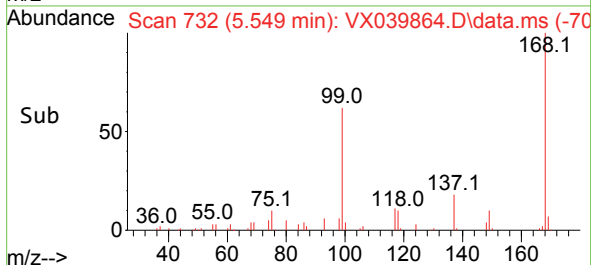
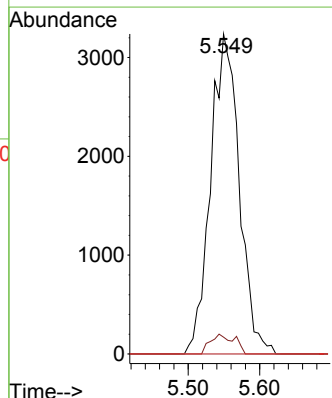
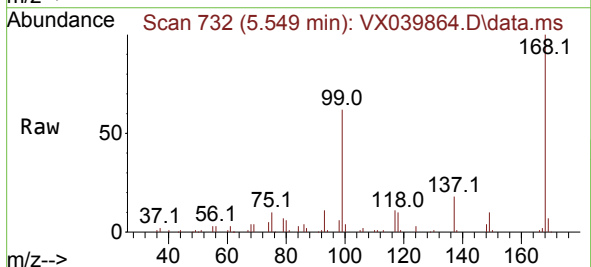
Tgt Ion: 117 Resp: 9041

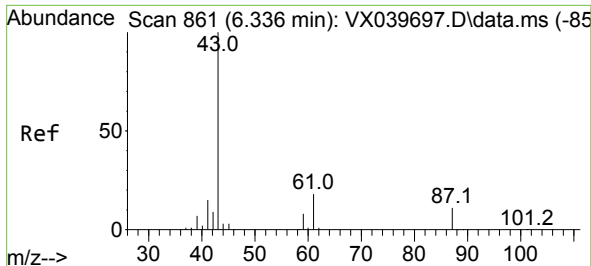
Ion Ratio Lower Upper

117 100

119 5.3 78.2 117.2#

121 0.0 24.4 36.6#

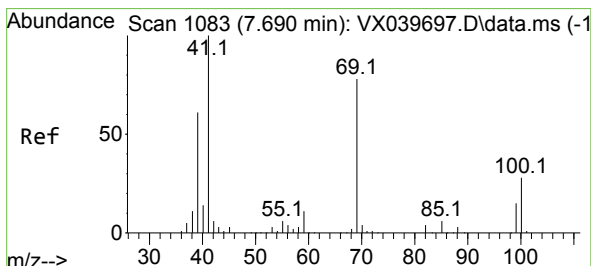
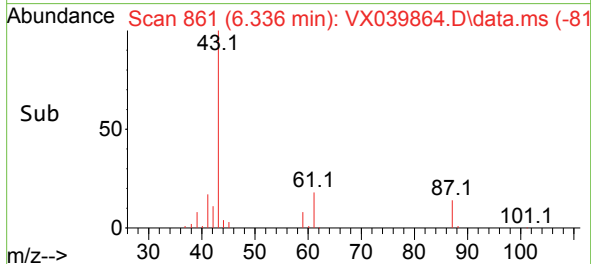
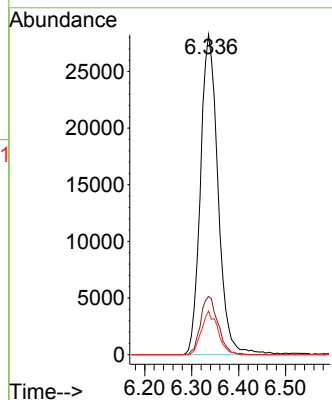
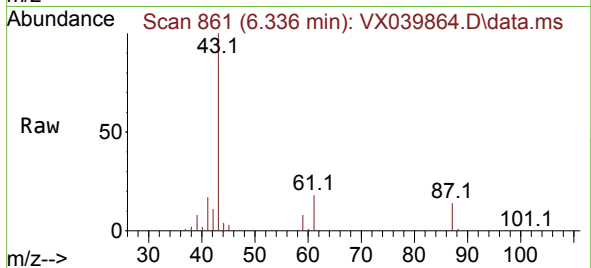




#43
Isopropyl Acetate
Concen: 23.443 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

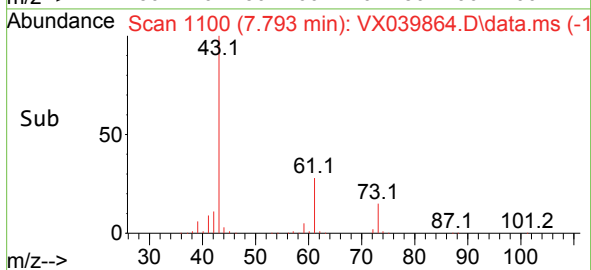
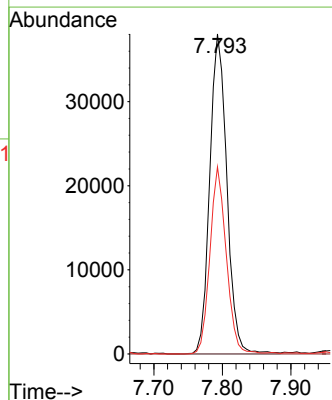
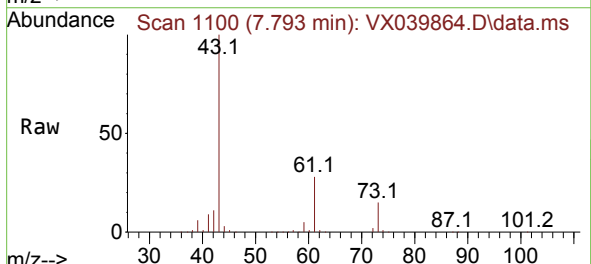
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#07

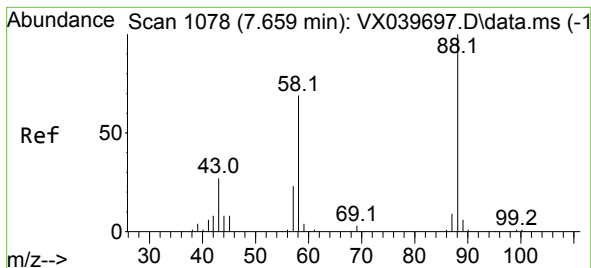
Tgt Ion: 43 Resp: 73397
Ion Ratio Lower Upper
43 100
61 18.0 15.2 22.8
87 12.8 9.8 14.6



#48
Methyl methacrylate
Concen: 42.944 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

Tgt Ion: 41 Resp: 66088
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 55.8 47.7 71.5





#49

1,4-Dioxane

Concen: 1.007 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#07

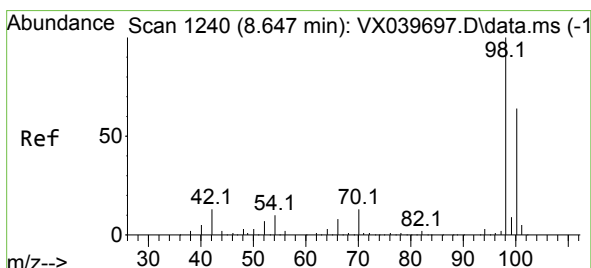
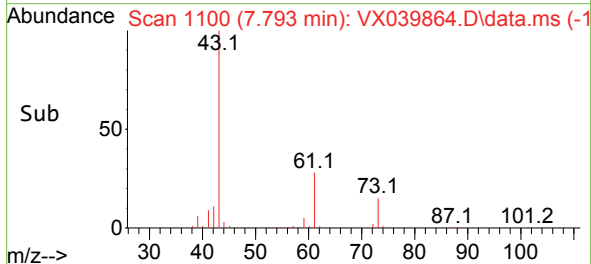
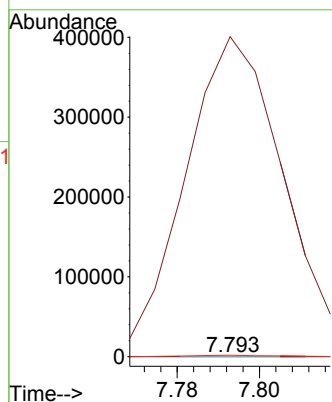
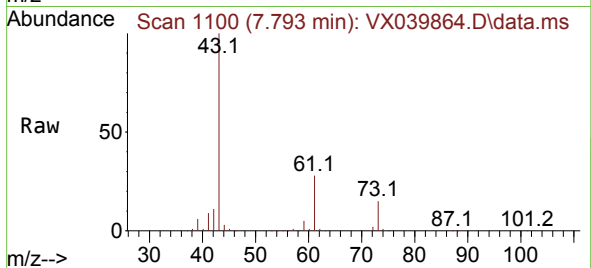
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 2285186.7 0.0 0.0#

58 9826.7 60.1 90.1#



#50

Toluene-d8

Concen: 49.076 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX039864.D

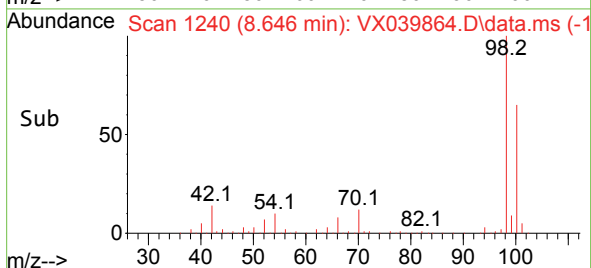
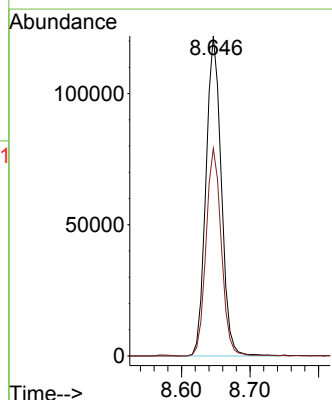
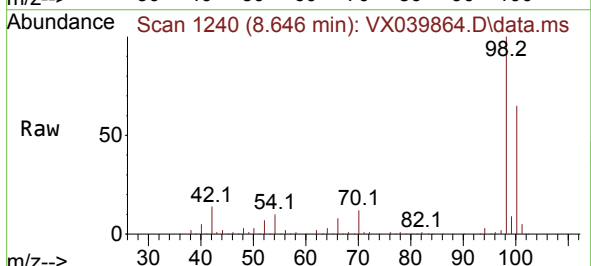
Acq: 20 Jan 2024 01:25

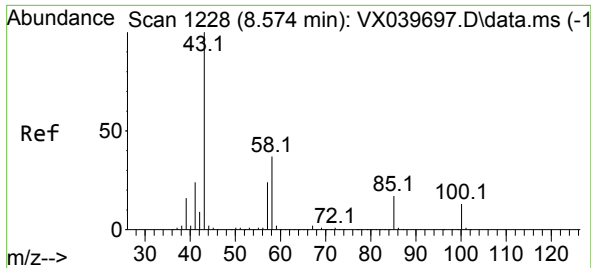
Tgt Ion: 98 Resp: 190237

Ion Ratio Lower Upper

98 100

100 64.5 53.1 79.7

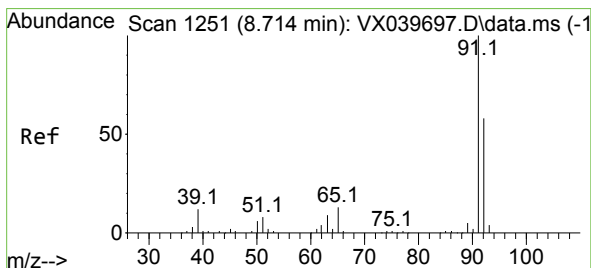
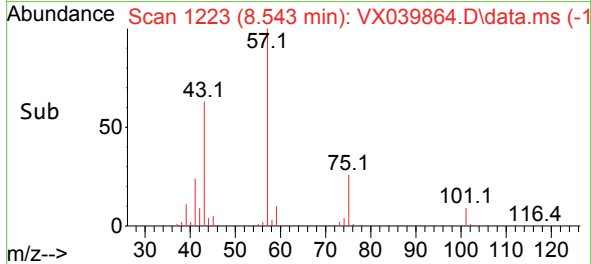
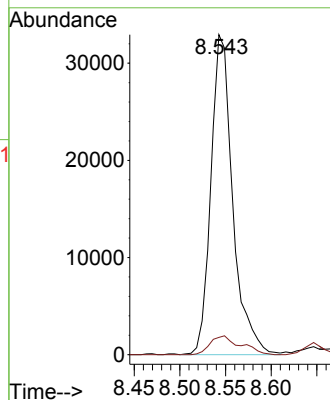
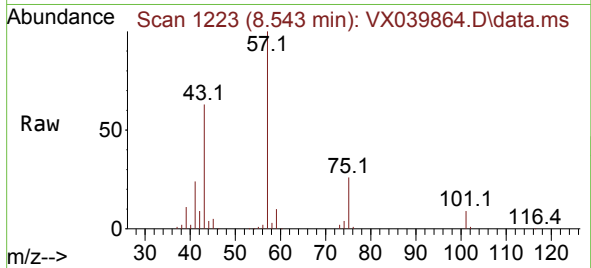




#51
4-Methyl-2-Pentanone
Concen: 25.329 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

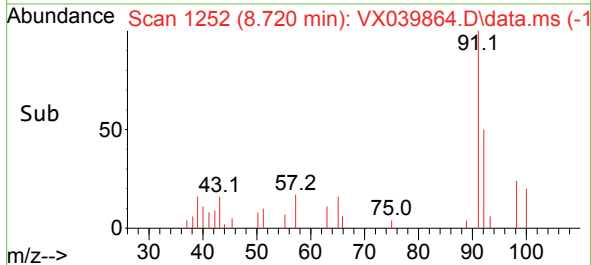
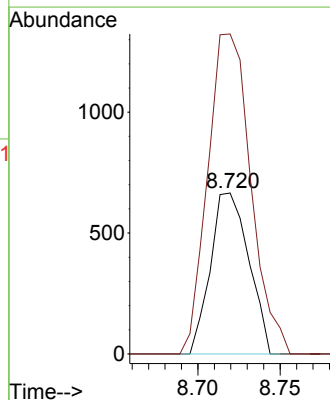
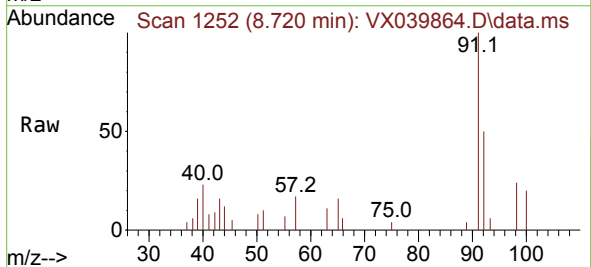
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#07

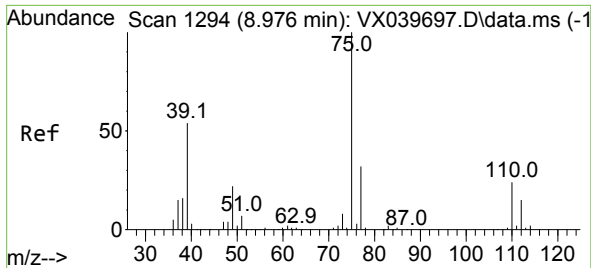
Tgt Ion: 43 Resp: 54615
Ion Ratio Lower Upper
43 100
58 8.2 30.4 45.6#



#52
Toluene
Concen: 0.398 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

Tgt Ion: 92 Resp: 1078
Ion Ratio Lower Upper
92 100
91 223.6 134.2 201.2#

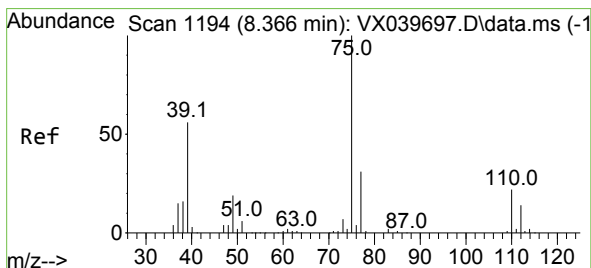
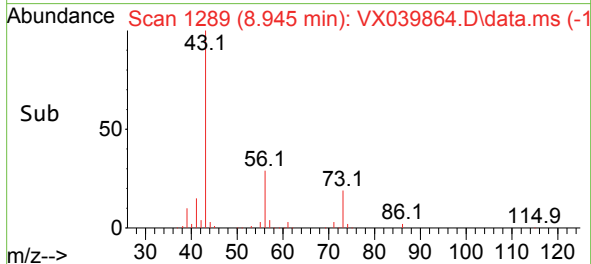
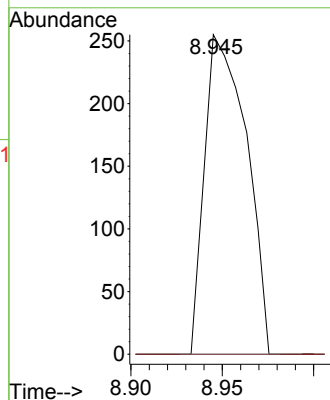
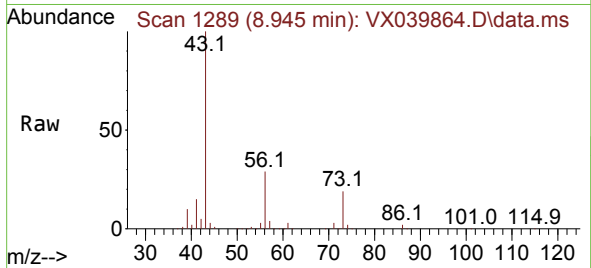




#53
 t-1,3-Dichloropropene
 Concen: 0.246 ug/l
 RT: 8.945 min Scan# 11
 Delta R.T. -0.031 min
 Lab File: VX039864.D
 Acq: 20 Jan 2024 01:25

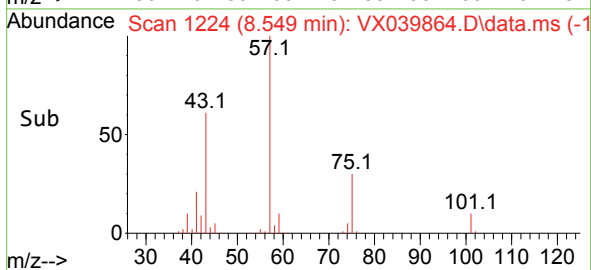
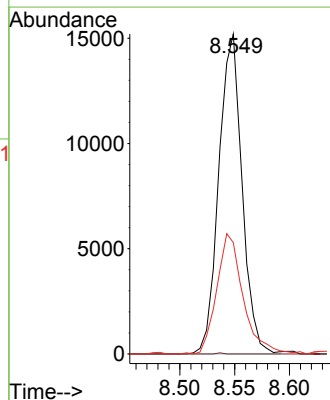
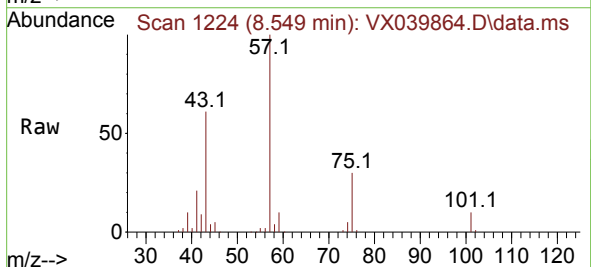
Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#07

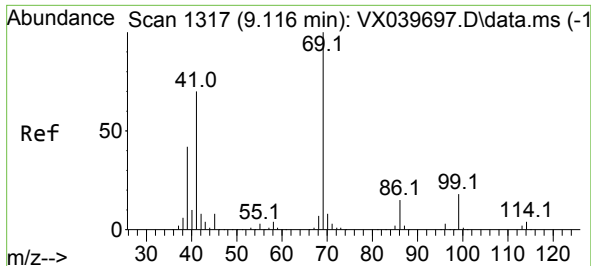
Tgt Ion: 75 Resp: 406
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.357 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039864.D
 Acq: 20 Jan 2024 01:25

Tgt Ion: 75 Resp: 22413
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 34.8 46.7 70.1#

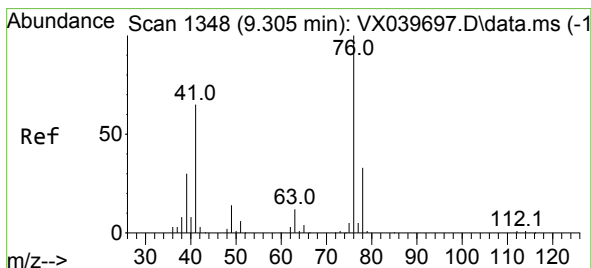
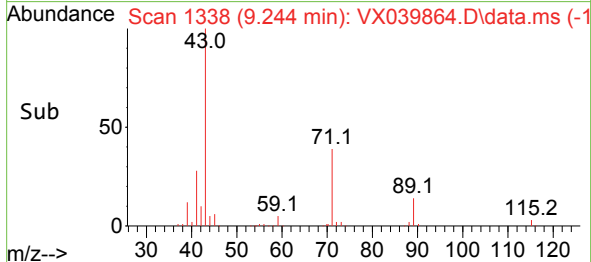
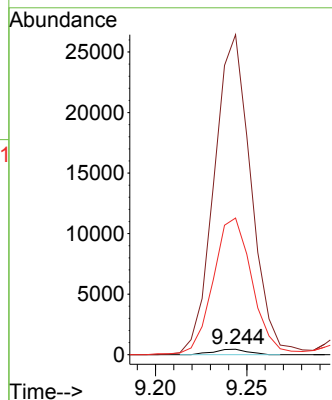
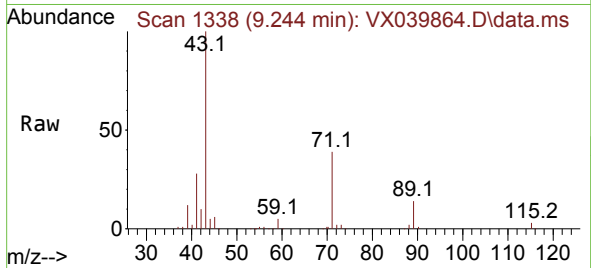




#56
Ethyl methacrylate
Concen: 0.314 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

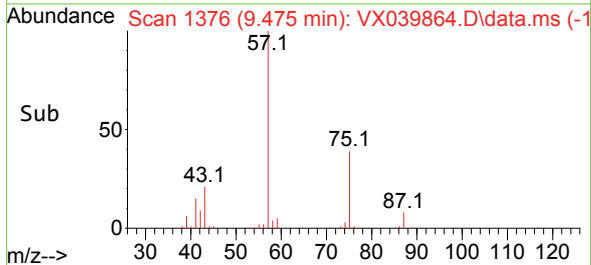
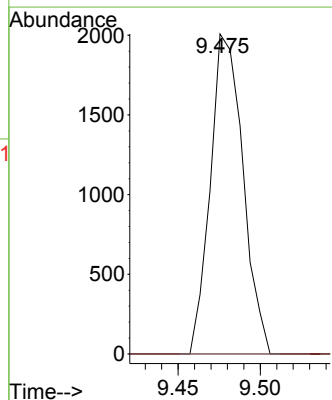
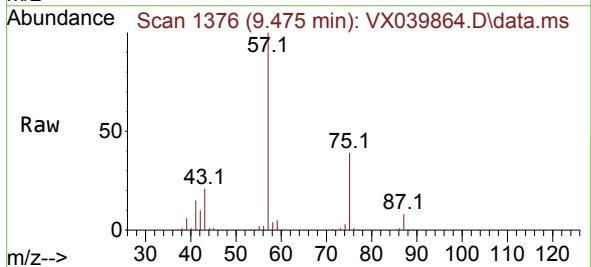
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#07

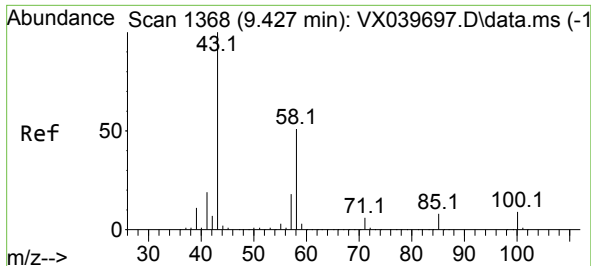
Tgt Ion: 69 Resp: 585
Ion Ratio Lower Upper
69 100
41 6382.9 56.8 85.2#
39 2885.3 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.420 ug/l
RT: 9.475 min Scan# 1376
Delta R.T. 0.170 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

Tgt Ion: 76 Resp: 2772
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

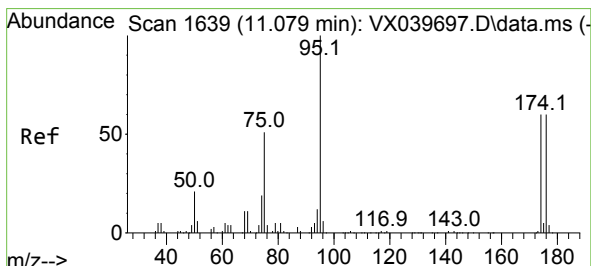
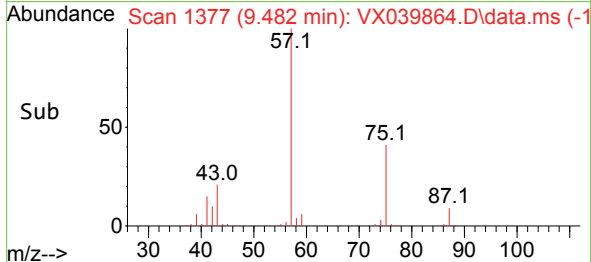
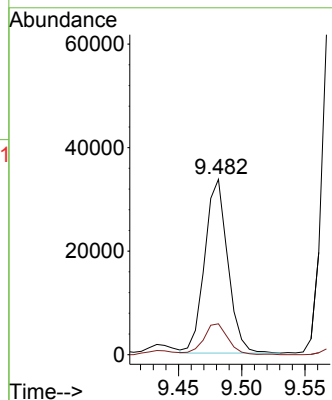
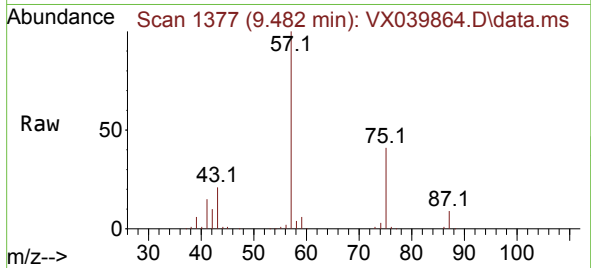




#59
2-Hexanone
Concen: 25.085 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.054 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

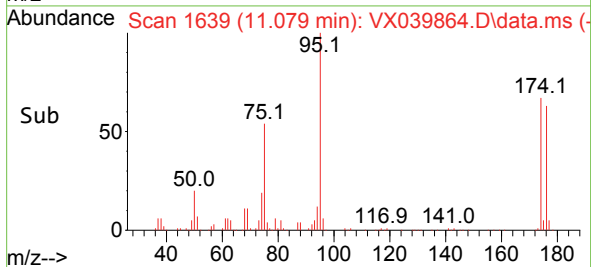
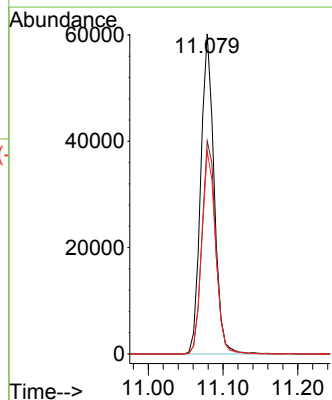
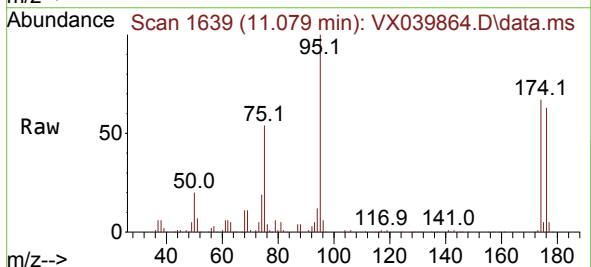
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#07

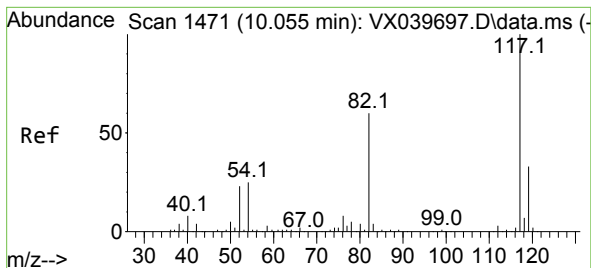
Tgt Ion: 43 Resp: 42808
Ion Ratio Lower Upper
43 100
58 19.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.410 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

Tgt Ion: 95 Resp: 74898
Ion Ratio Lower Upper
95 100
174 68.6 0.0 135.6
176 65.3 0.0 131.0

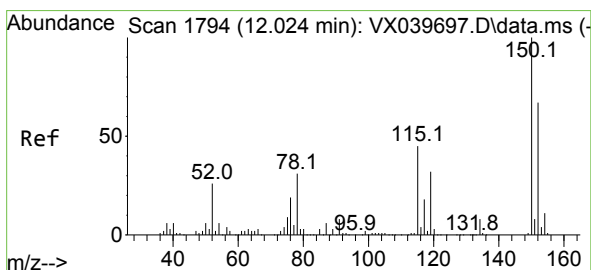
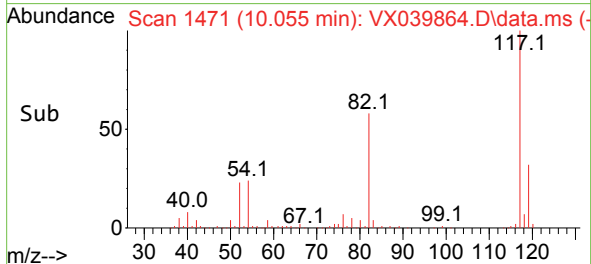
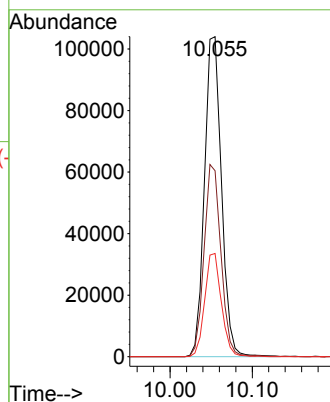
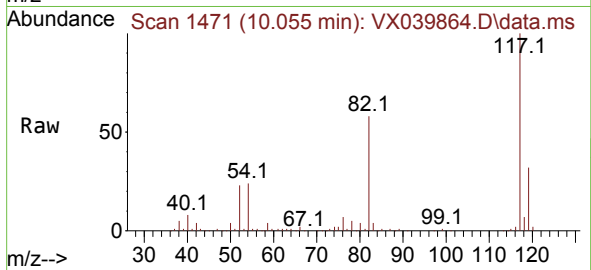




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

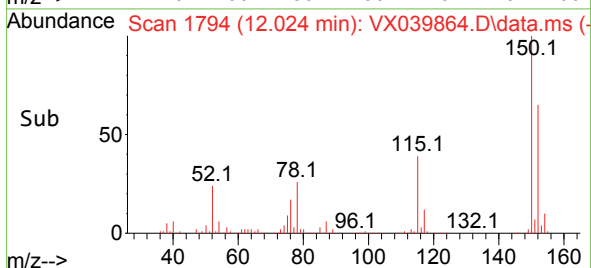
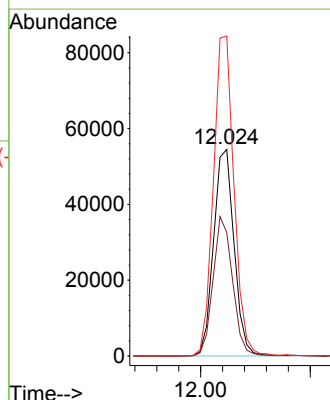
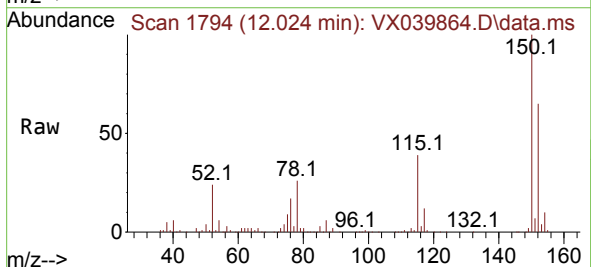
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#07

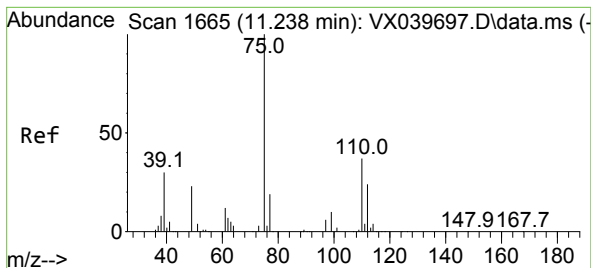
Tgt Ion:117 Resp: 149556
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX039864.D
Acq: 20 Jan 2024 01:25

Tgt Ion:152 Resp: 70825
Ion Ratio Lower Upper
152 100
115 64.0 43.3 129.9
150 156.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.718 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

Instrument :

MSVOA_X

ClientSampleId :

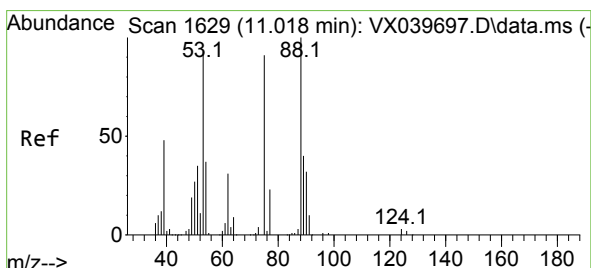
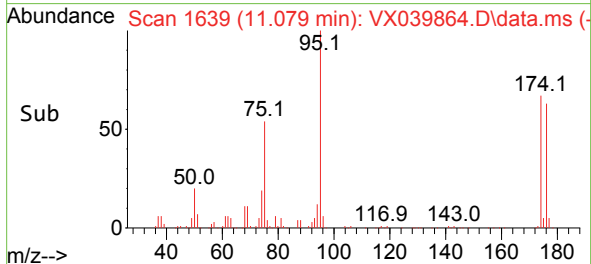
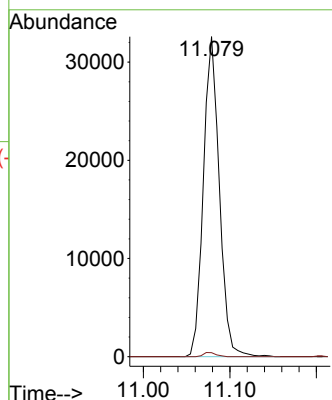
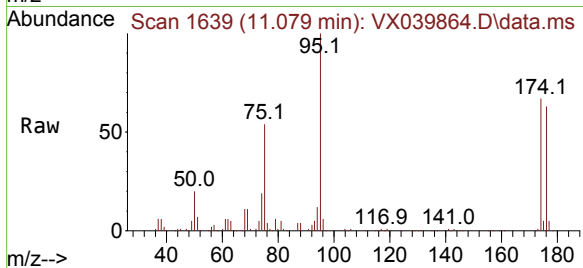
PB158526ZHE#07

Tgt Ion: 75 Resp: 41715

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.694 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039864.D

Acq: 20 Jan 2024 01:25

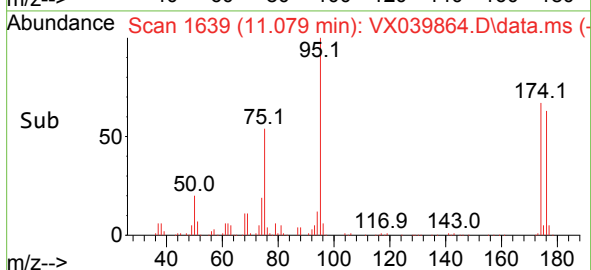
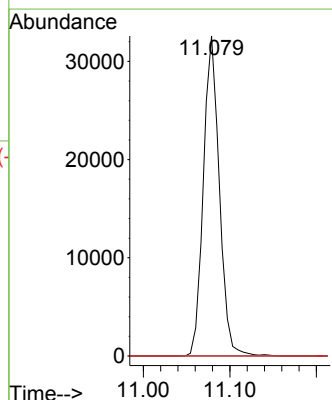
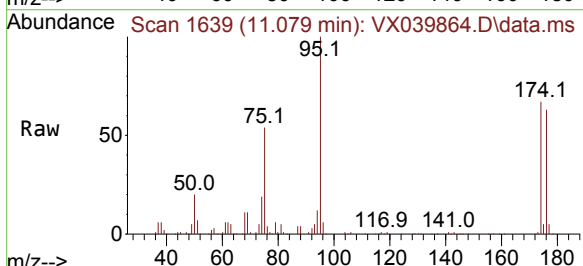
Tgt Ion: 75 Resp: 41715

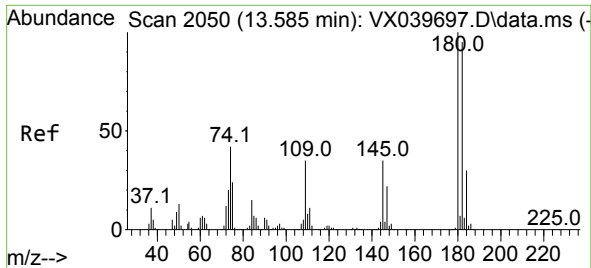
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.366 ug/l

RT: 13.597 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX039864.D

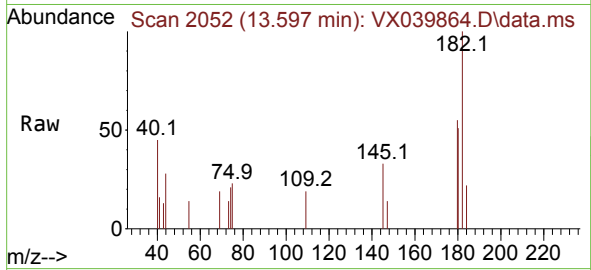
Acq: 20 Jan 2024 01:25

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#07



Tgt Ion:180 Resp: 532

Ion Ratio Lower Upper

180 100

182 92.7 48.3 144.8

145 30.1 18.0 54.0

