

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039858.D
 Acq On : 19 Jan 2024 23:09
 Operator : JC/MD
 Sample : PB158526ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#01

Quant Time: Jan 20 03:54:12 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)

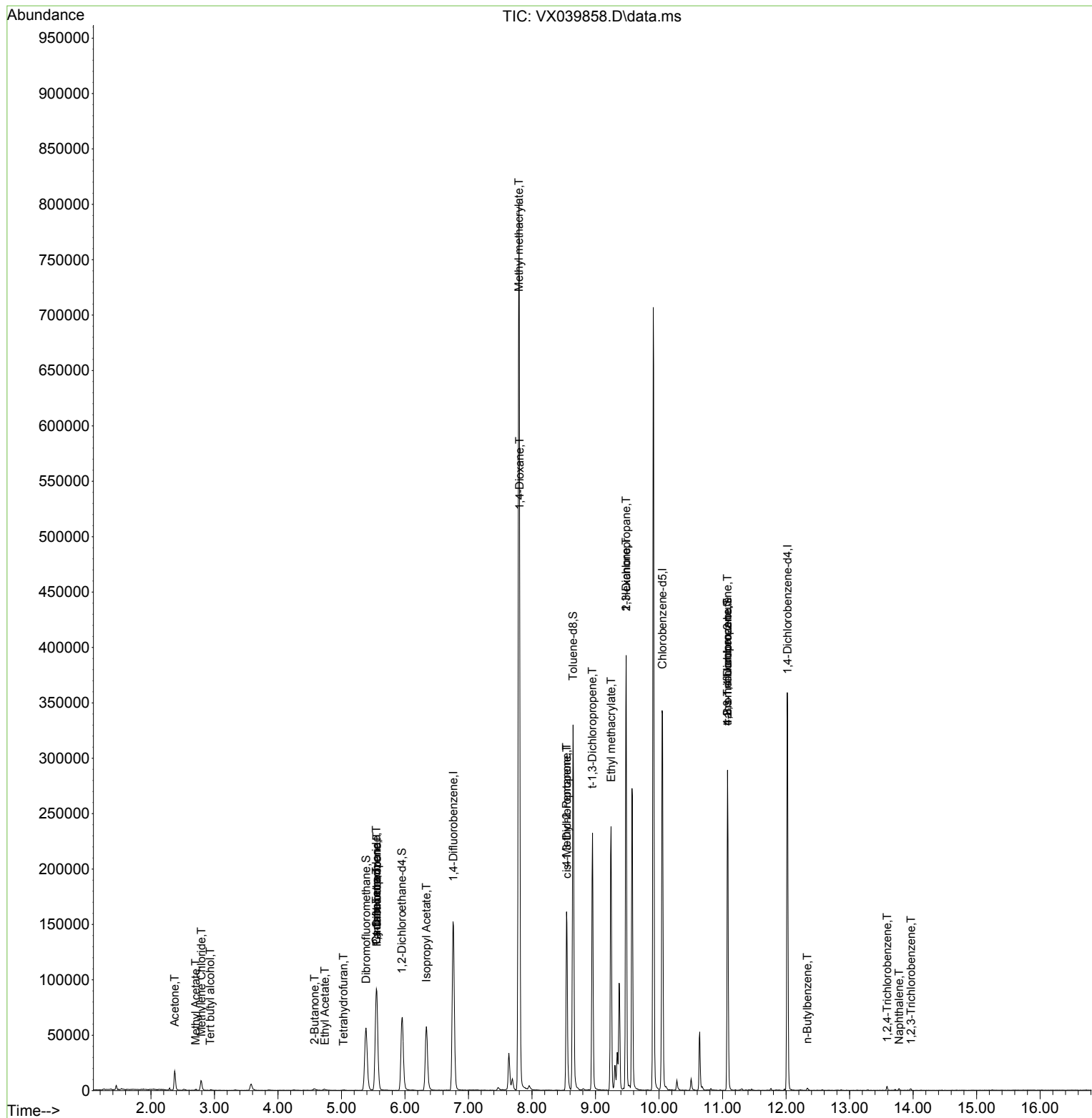
Internal Standards						
1) Pentafluorobenzene	5.556	168	82471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	149633	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63949	46.289	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.580%
35) Dibromofluoromethane	5.385	113	48833	48.453	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.900%
50) Toluene-d8	8.647	98	188030	49.467	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.940%
62) 4-Bromofluorobenzene	11.079	95	73134	49.201	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	570	1.585	ug/l #	78
16) Acetone	2.374	43	18434	23.726	ug/l	90
18) Methyl Acetate	2.703	43	1033	0.636	ug/l #	73
20) Methylene Chloride	2.794	84	3811	3.243	ug/l	96
25) 2-Butanone	4.574	43	2414	2.162	ug/l	99
29) Tetrahydrofuran	5.032	42	402	0.559	ug/l #	38
31) Cyclohexane	5.550	56	2187	1.199	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	7597	4.843	ug/l #	50
37) Ethyl Acetate	4.739	43	2452	1.172	ug/l #	75
38) Carbon Tetrachloride	5.550	117	9331	6.494	ug/l #	16
43) Isopropyl Acetate	6.336	43	80080	26.084	ug/l	100
48) Methyl methacrylate	7.793	41	71198	47.180	ug/l #	50
49) 1,4-Dioxane	7.805	88	20	0.685	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	59567	28.172	ug/l #	46
53) t-1,3-Dichloropropene	8.952	75	633	0.391	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	23935	13.457	ug/l #	61
56) Ethyl methacrylate	9.244	69	489	0.267	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3014	1.574	ug/l #	42
59) 2-Hexanone	9.482	43	47711	28.511	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	40939	22.313	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40939	64.653	ug/l #	5
89) n-Butylbenzene	12.335	91	925	0.202	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	949	0.653	ug/l	93
95) Naphthalene	13.780	128	1330	0.249	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.969	180	458	0.312	ug/l #	19

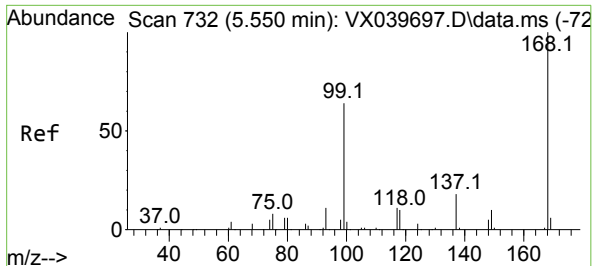
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 20 03:54:12 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

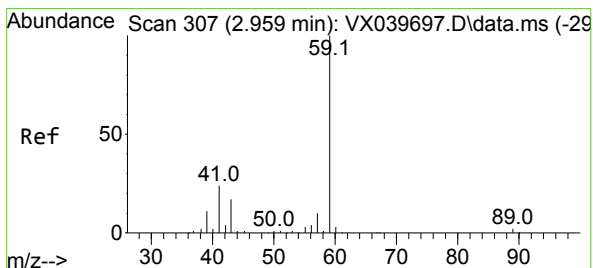
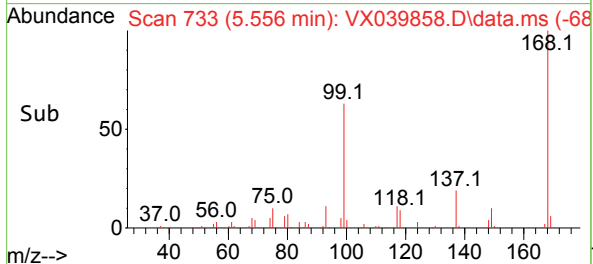
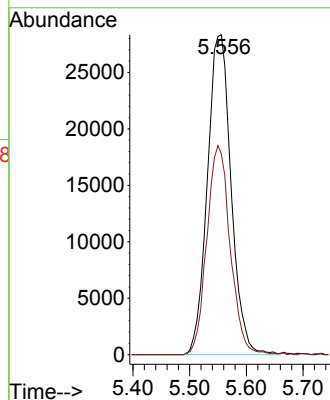
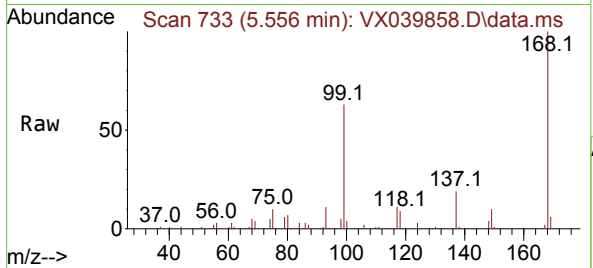




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

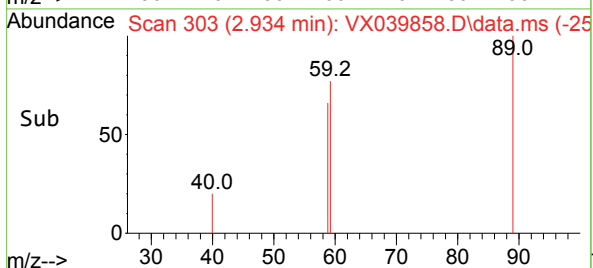
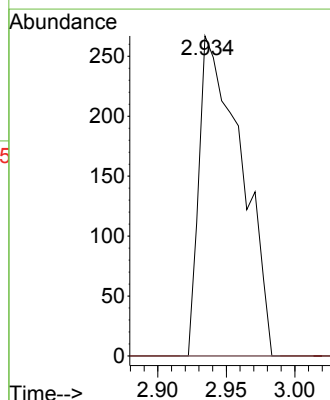
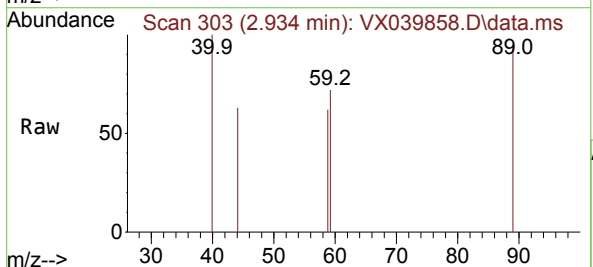
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#01

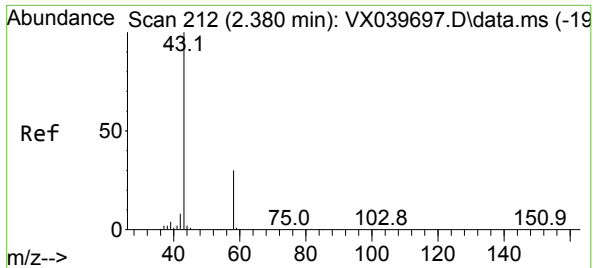
Tgt Ion:168 Resp: 82471
Ion Ratio Lower Upper
168 100
99 62.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.585 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.024 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Tgt Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

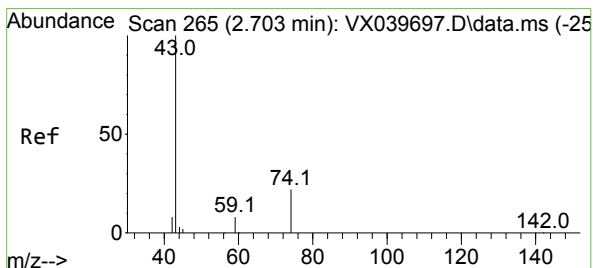
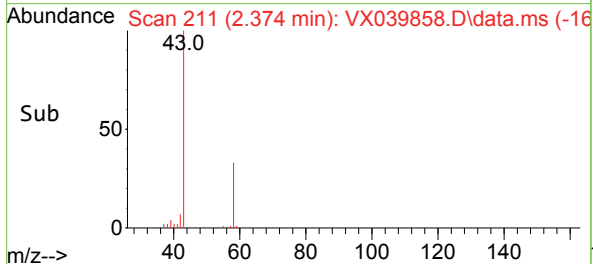
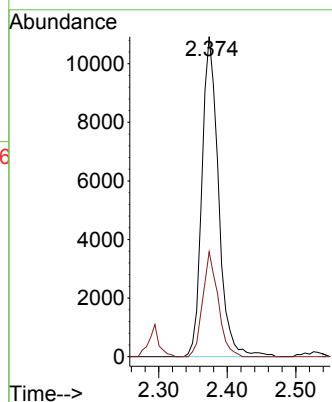
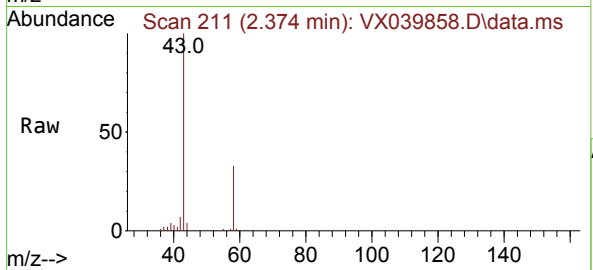




#16
Acetone
Concen: 23.726 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

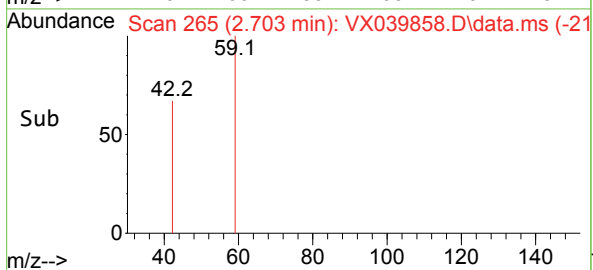
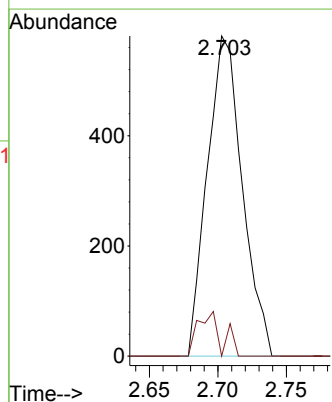
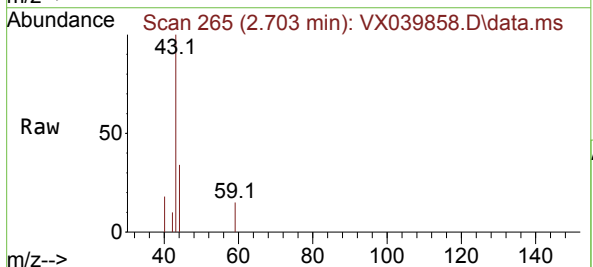
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#01

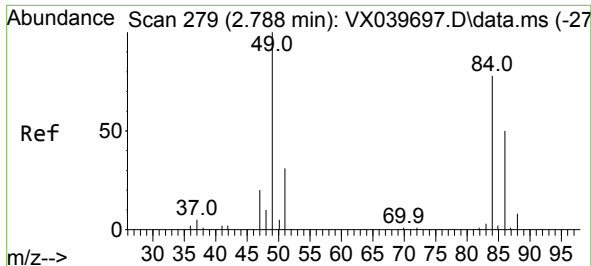
Tgt Ion: 43 Resp: 18434
Ion Ratio Lower Upper
43 100
58 32.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.636 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

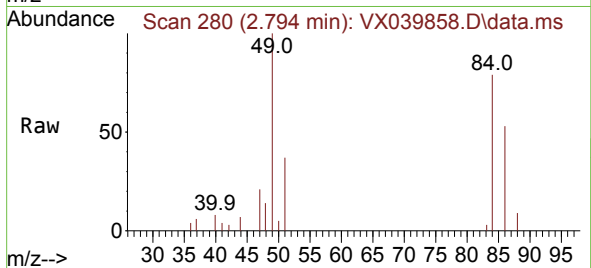
Tgt Ion: 43 Resp: 1033
Ion Ratio Lower Upper
43 100
74 9.4 17.8 26.8#



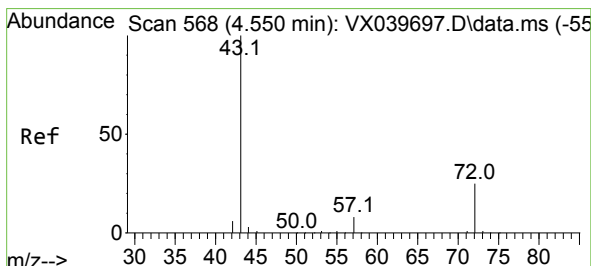
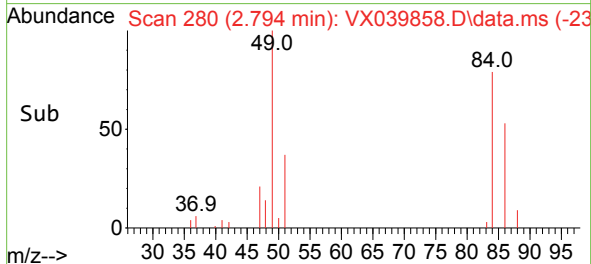
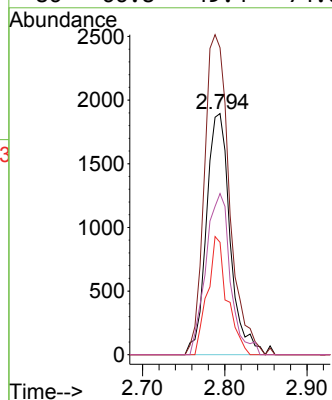


#20
Methylene Chloride
Concen: 3.243 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#01

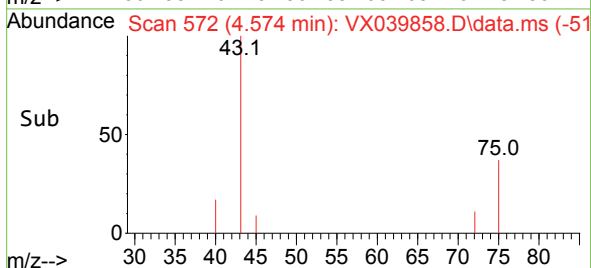
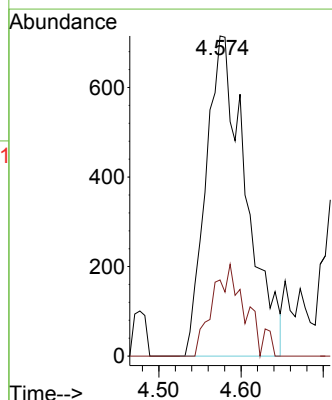
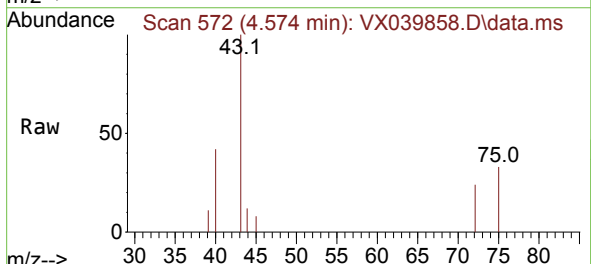


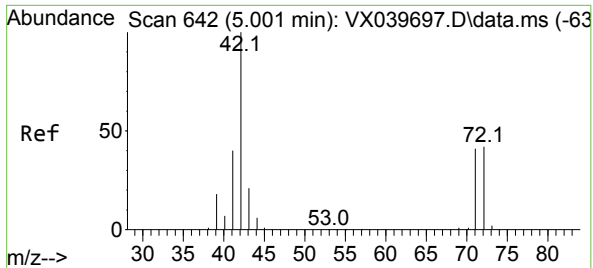
Tgt Ion: 84	Resp: 3811
Ion Ratio	Lower Upper
84 100	
49 127.3	103.6 155.4
51 46.6	33.8 50.6
86 66.8	49.4 74.0



#25
2-Butanone
Concen: 2.162 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Tgt Ion: 43	Resp: 2414
Ion Ratio	Lower Upper
43 100	
72 23.8	19.4 29.2

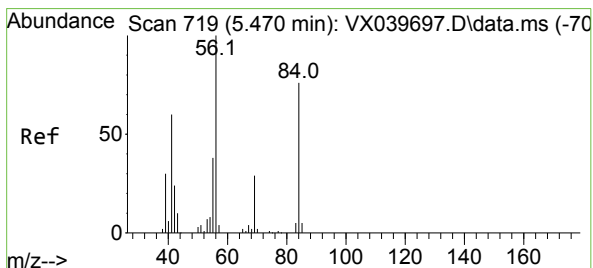
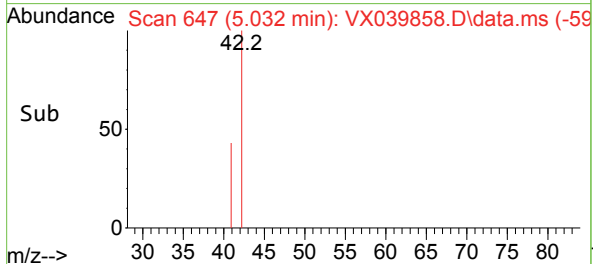
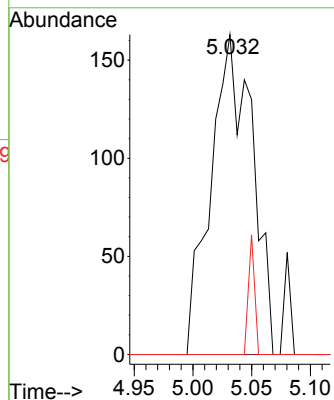
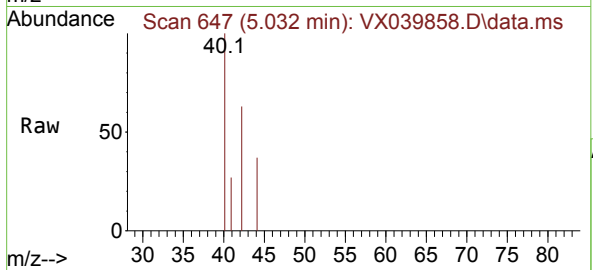




#29
Tetrahydrofuran
Concen: 0.559 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.031 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

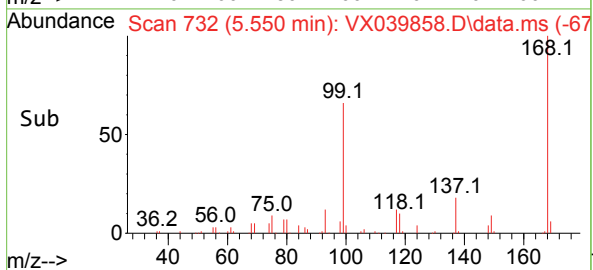
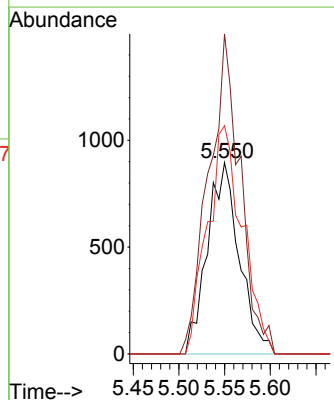
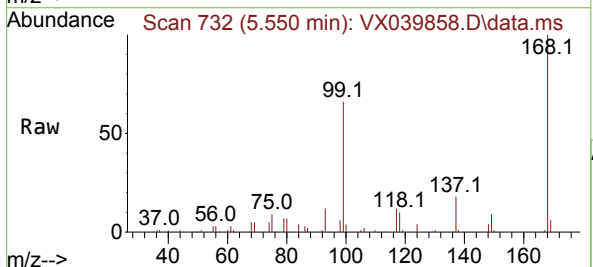
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#01

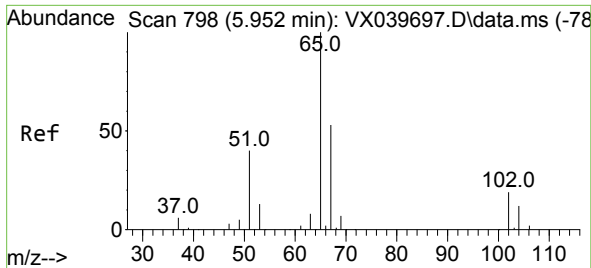
Tgt Ion: 42 Resp: 402
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 5.5 32.2 48.2#



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Tgt Ion: 56 Resp: 2187
Ion Ratio Lower Upper
56 100
69 167.2 23.4 35.2#
84 119.2 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.289 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039858.D

Acq: 19 Jan 2024 23:09

Instrument :

MSVOA_X

ClientSampleId :

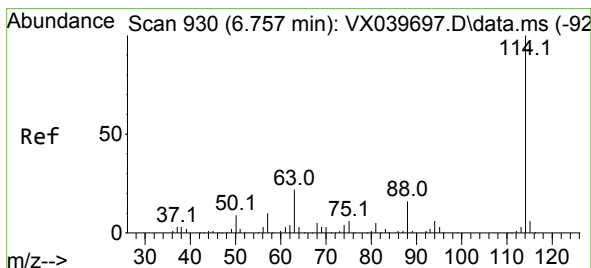
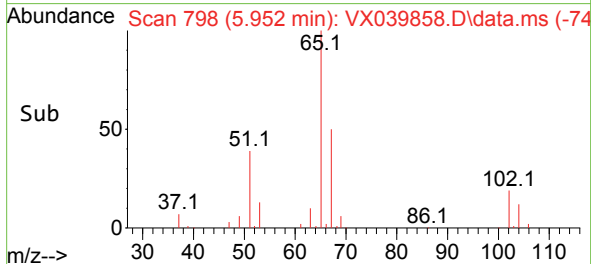
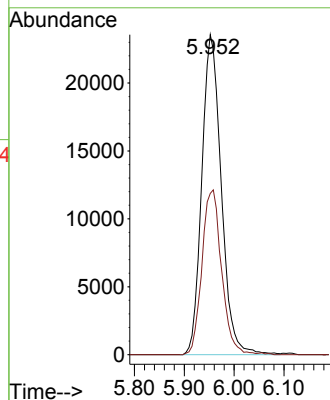
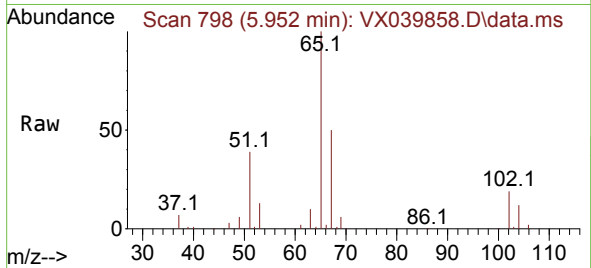
PB158526ZHE#01

Tgt Ion: 65 Resp: 63949

Ion Ratio Lower Upper

65 100

67 51.8 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: VX039858.D

Acq: 19 Jan 2024 23:09

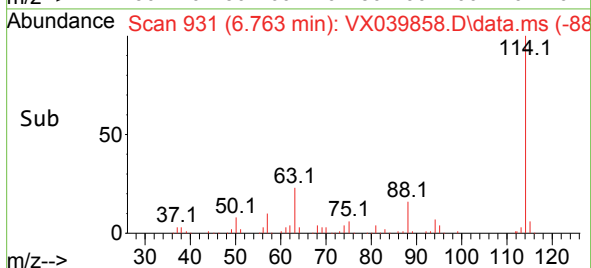
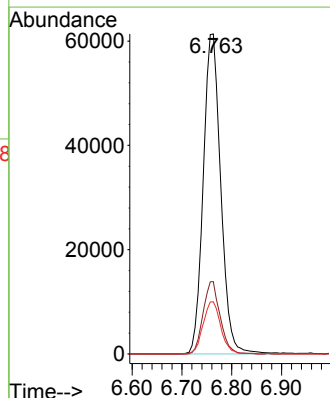
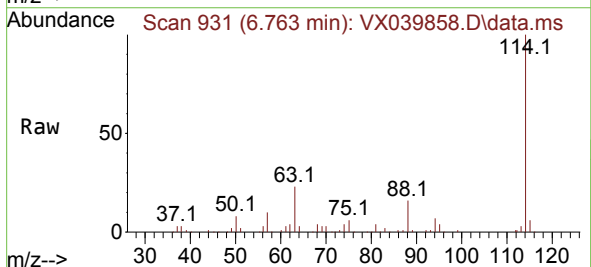
Tgt Ion:114 Resp: 149633

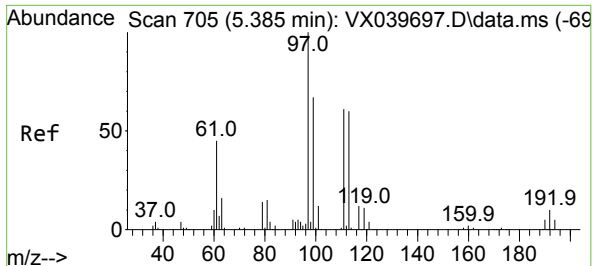
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.0

88 16.3 0.0 36.6

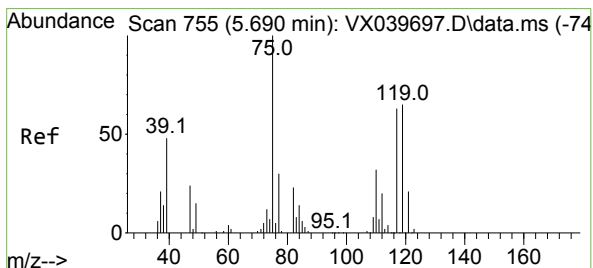
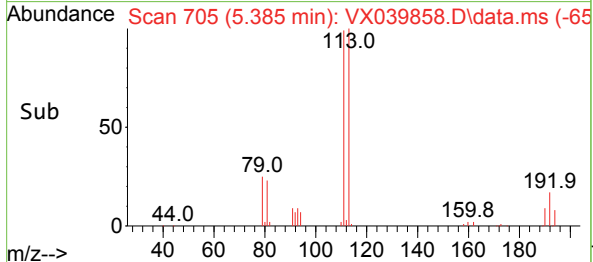
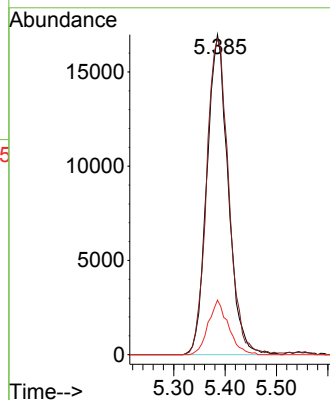
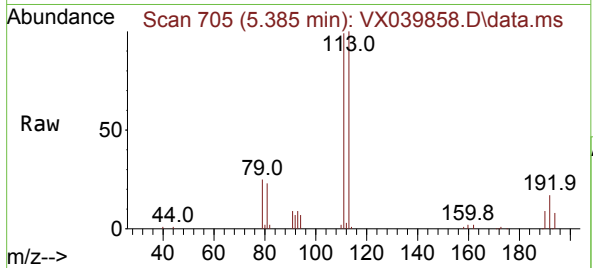




#35
Dibromofluoromethane
Concen: 48.453 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

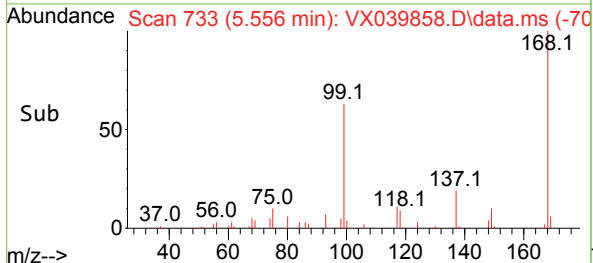
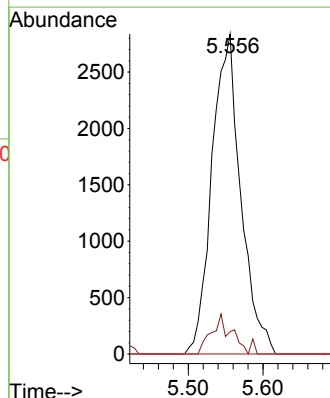
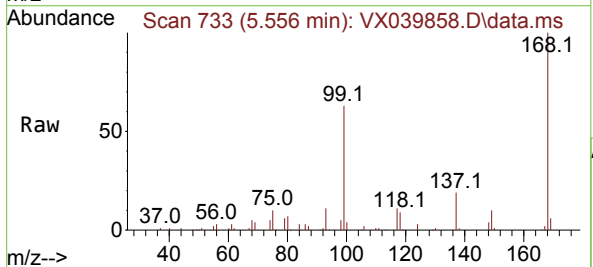
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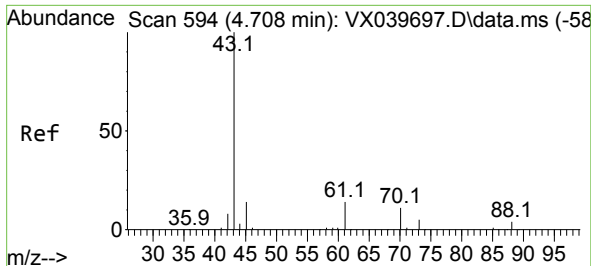
Tgt Ion:113 Resp: 48833
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.843 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Tgt Ion: 75 Resp: 7597
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.172 ug/l

RT: 4.739 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX039858.D

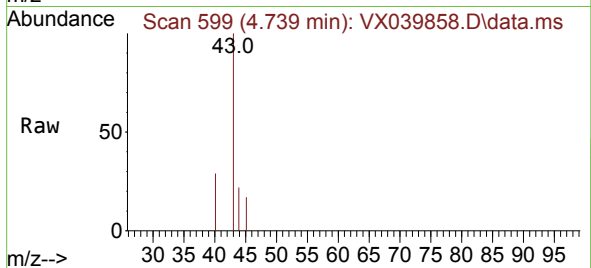
Acq: 19 Jan 2024 23:09

Instrument :

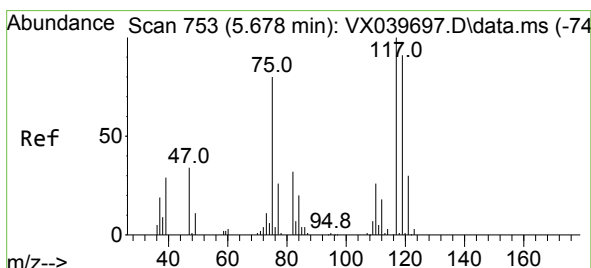
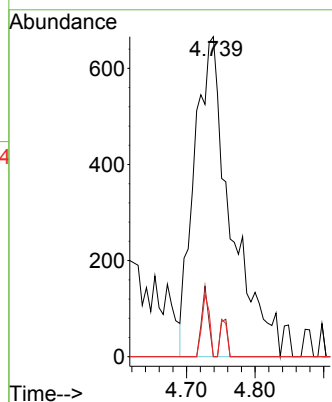
MSVOA_X

ClientSampleId :

PB158526ZHE#01



Tgt Ion:	43	Resp:	2452
Ion	Ratio	Lower	Upper
43	100		
61	2.2	10.6	16.0#
70	2.2	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.494 ug/l

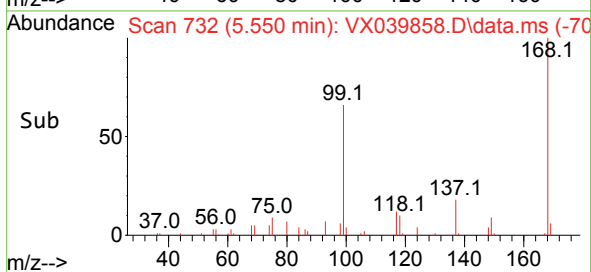
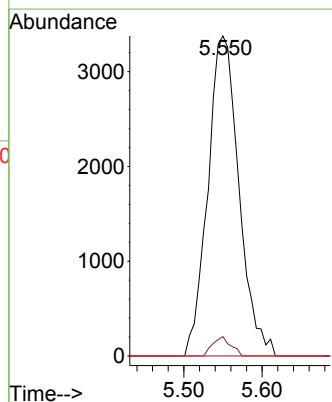
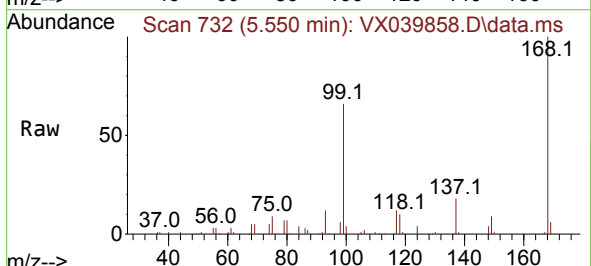
RT: 5.550 min Scan# 732

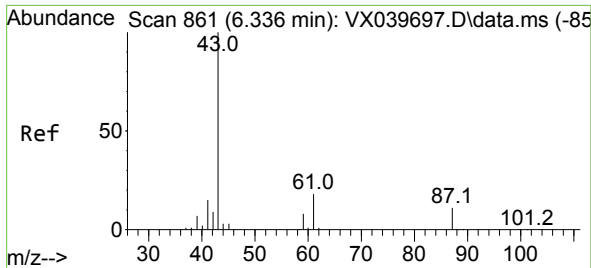
Delta R.T. -0.128 min

Lab File: VX039858.D

Acq: 19 Jan 2024 23:09

Tgt Ion:	117	Resp:	9331
Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.2	117.2#
121	0.0	24.4	36.6#

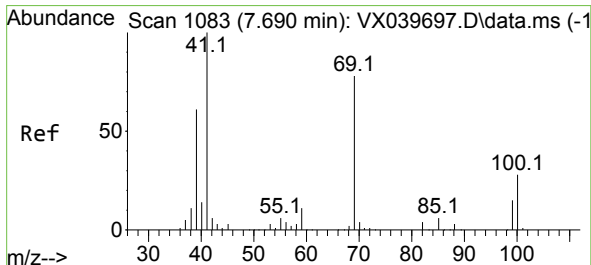
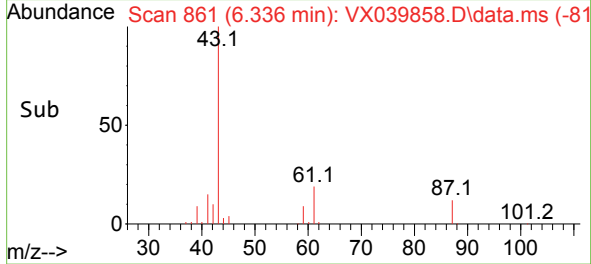
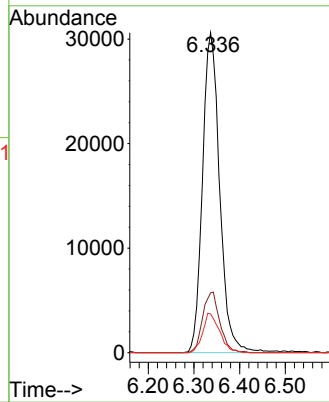
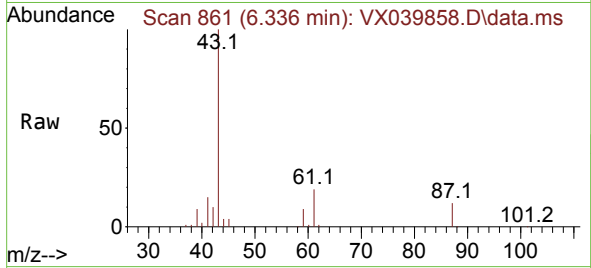




#43
Isopropyl Acetate
Concen: 26.084 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

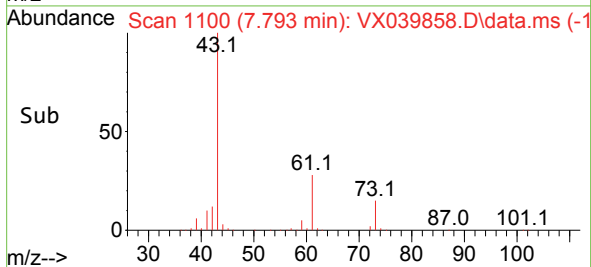
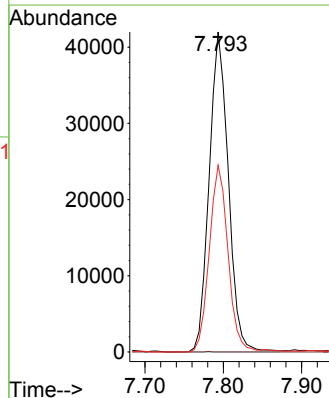
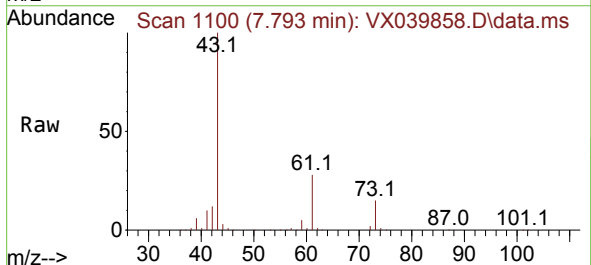
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#01

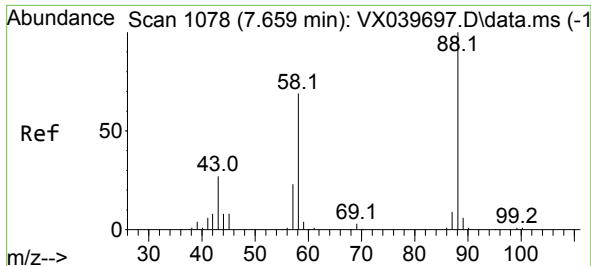
Tgt Ion: 43 Resp: 80080
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 12.1 9.8 14.6



#48
Methyl methacrylate
Concen: 47.180 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Tgt Ion: 41 Resp: 71198
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 56.9 47.7 71.5

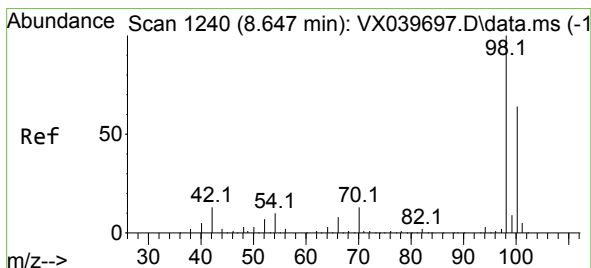
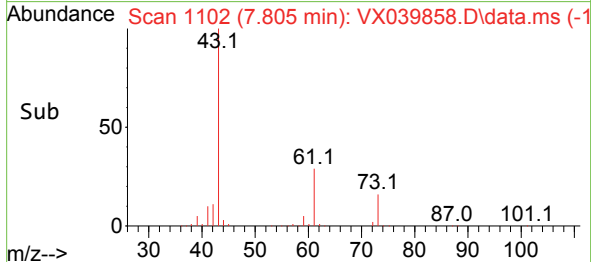
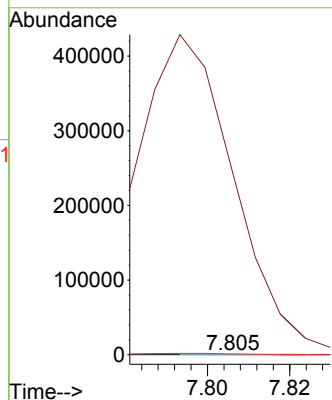
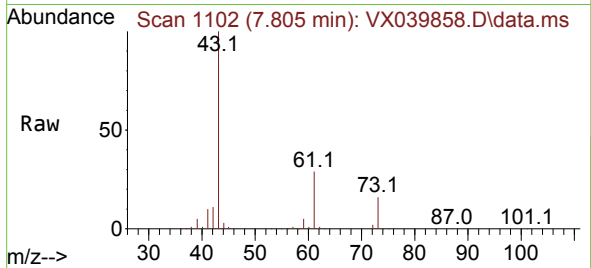




#49
1,4-Dioxane
Concen: 0.685 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

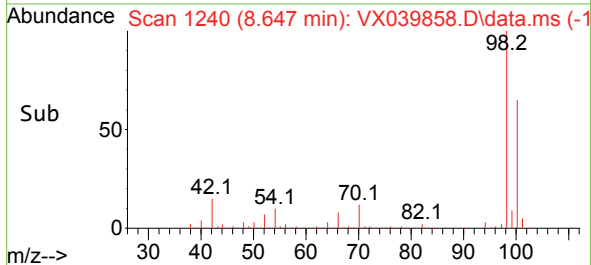
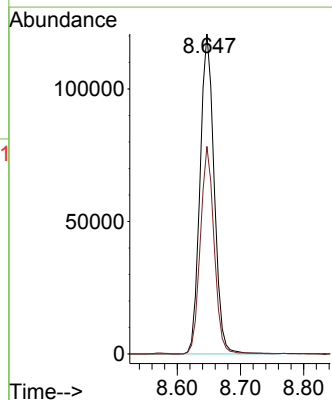
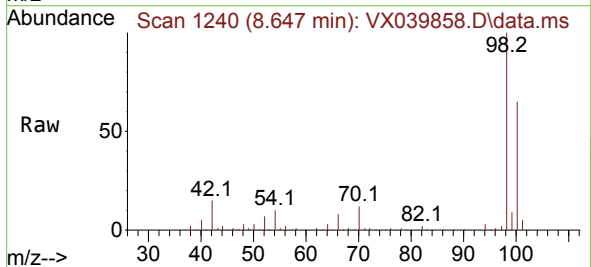
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#01

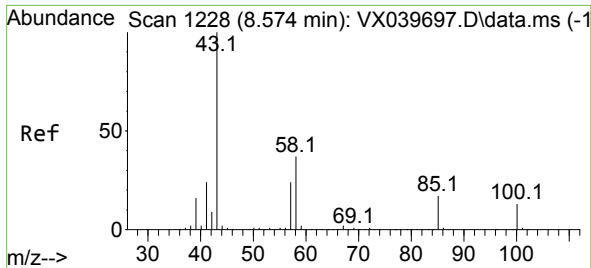
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 3689280.0 0.0 0.0#
58 16470.0 60.1 90.1#



#50
Toluene-d8
Concen: 49.467 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Tgt Ion: 98 Resp: 188030
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7

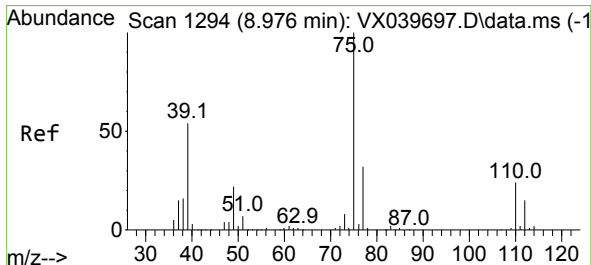
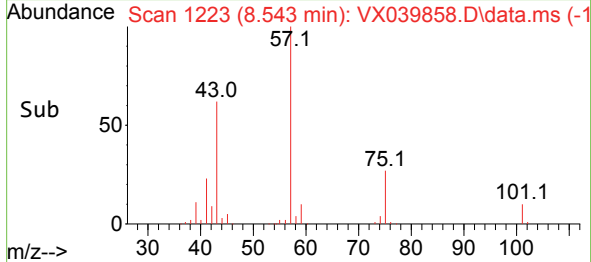
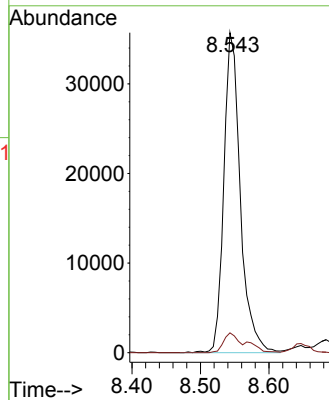
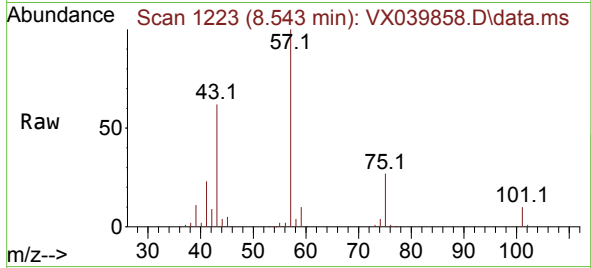




#51
4-Methyl-2-Pentanone
Concen: 28.172 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

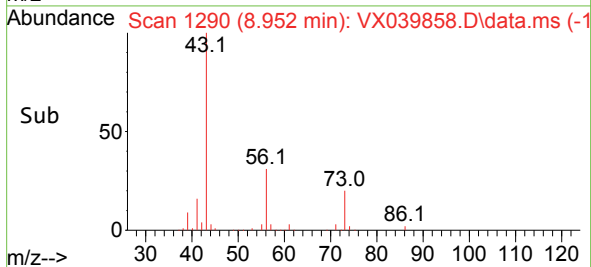
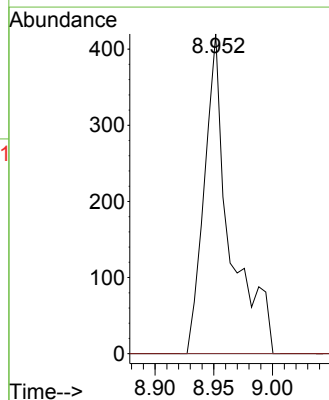
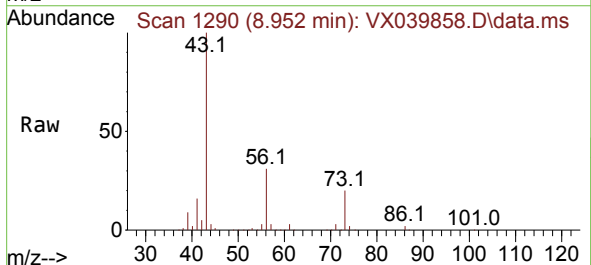
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#01

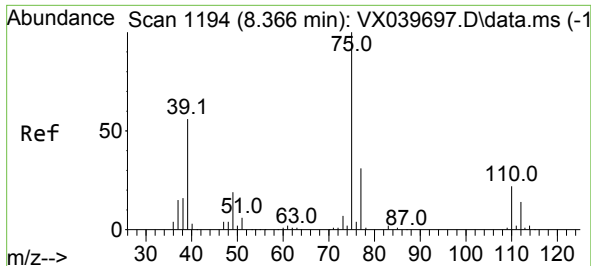
Tgt Ion: 43 Resp: 59567
Ion Ratio Lower Upper
43 100
58 5.6 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.391 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Tgt Ion: 75 Resp: 633
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

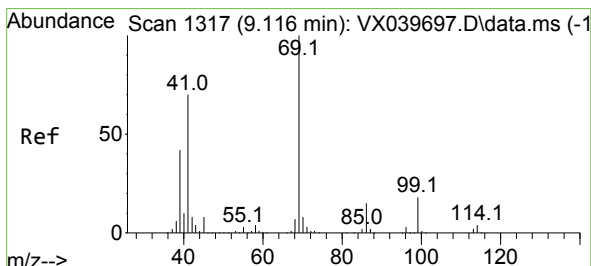
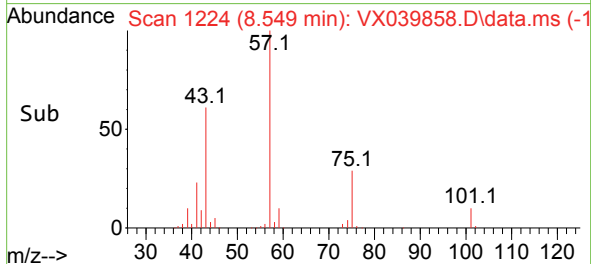
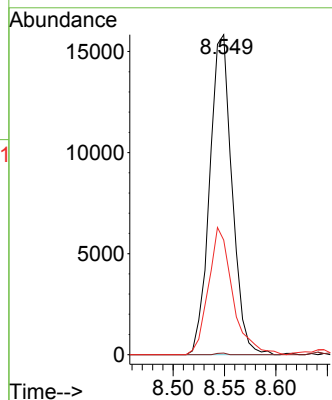
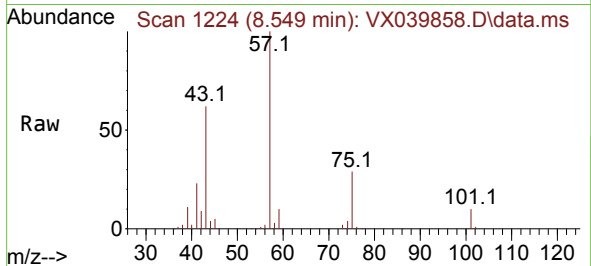




#54
 cis-1,3-Dichloropropene
 Concen: 13.457 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX039858.D
 Acq: 19 Jan 2024 23:09

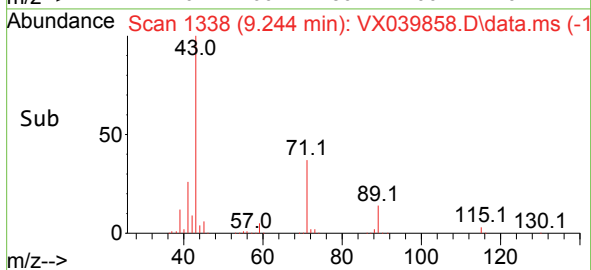
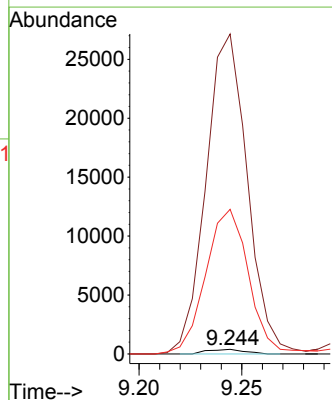
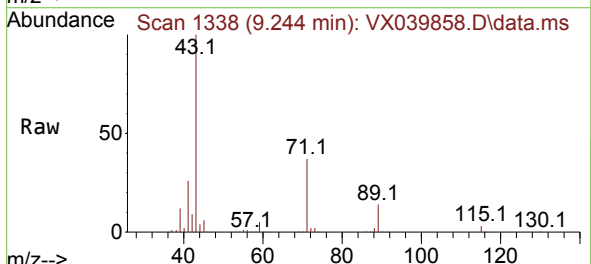
Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#01

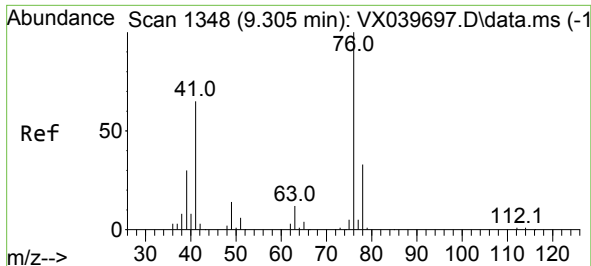
Tgt Ion: 75 Resp: 23935
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 35.8 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.267 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX039858.D
 Acq: 19 Jan 2024 23:09

Tgt Ion: 69 Resp: 489
 Ion Ratio Lower Upper
 69 100
 41 7775.1 56.8 85.2#
 39 3671.6 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.574 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX039858.D

Acq: 19 Jan 2024 23:09

Instrument :

MSVOA_X

ClientSampleId :

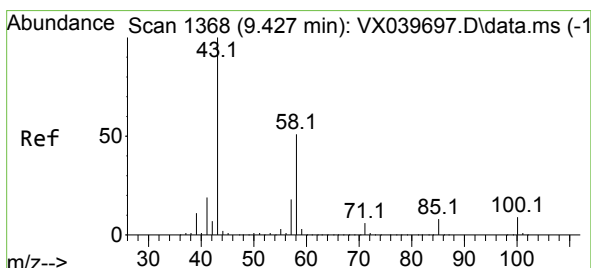
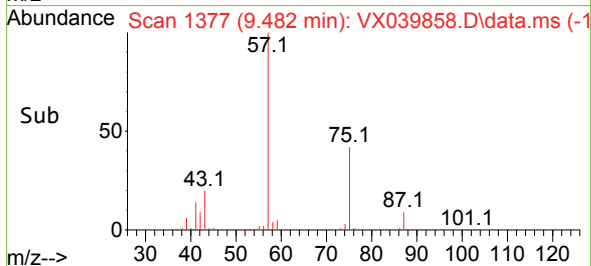
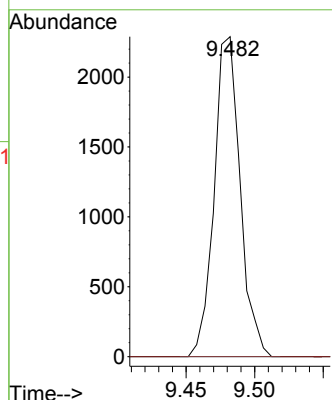
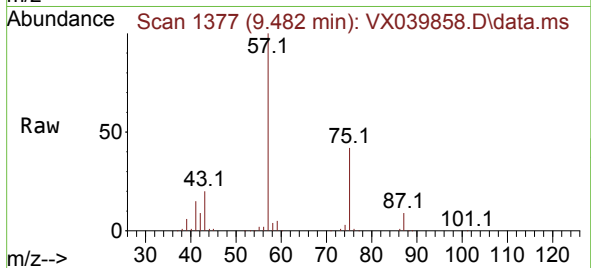
PB158526ZHE#01

Tgt Ion: 76 Resp: 3014

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 28.511 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX039858.D

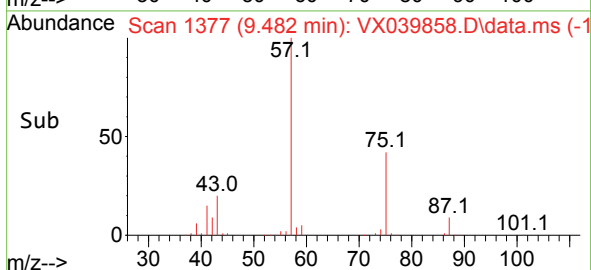
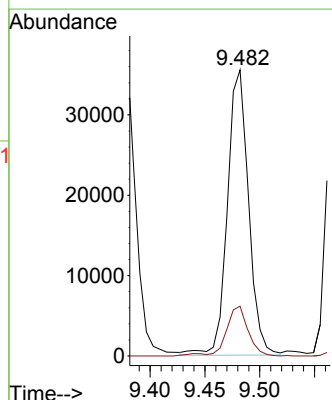
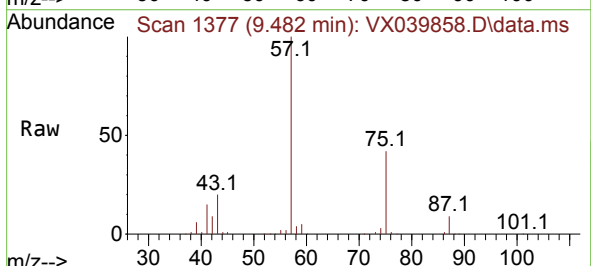
Acq: 19 Jan 2024 23:09

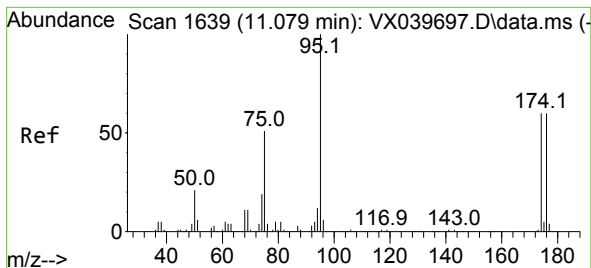
Tgt Ion: 43 Resp: 47711

Ion Ratio Lower Upper

43 100

58 17.3 26.2 78.5#

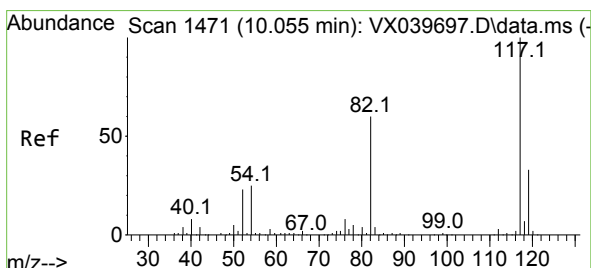
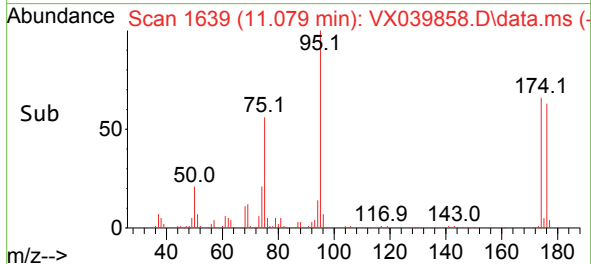
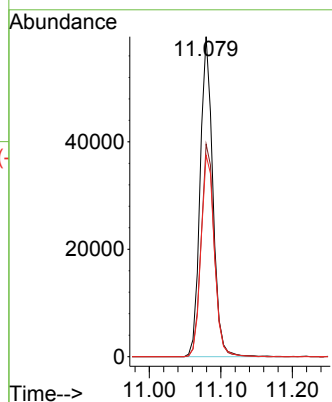
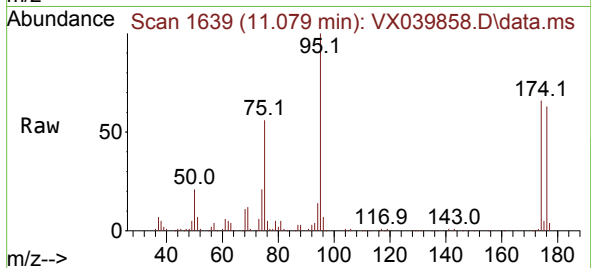




#62
4-Bromofluorobenzene
Concen: 49.201 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

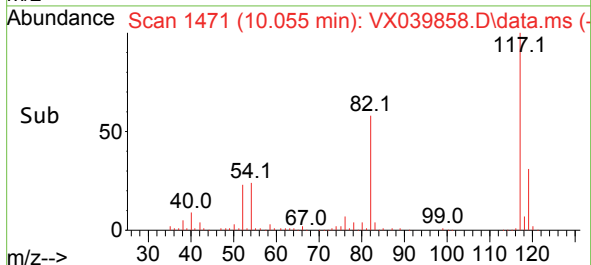
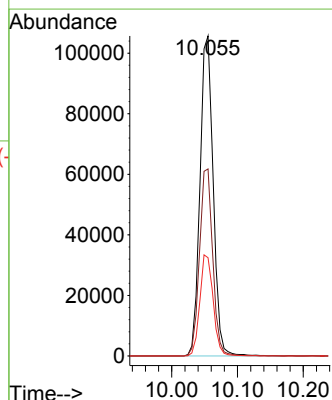
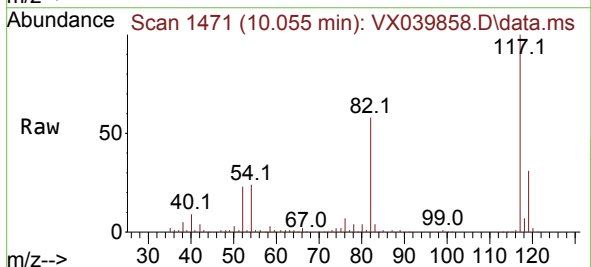
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#01

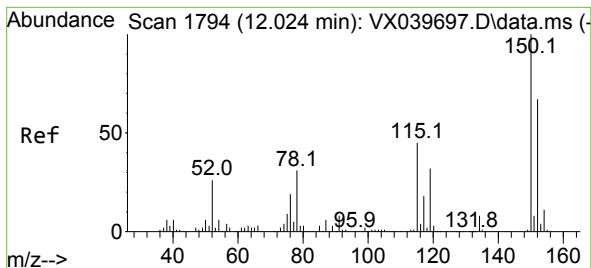
Tgt Ion: 95 Resp: 73134
Ion Ratio Lower Upper
95 100
174 69.3 0.0 135.6
176 66.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Tgt Ion: 117 Resp: 147442
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 30.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039858.D

Acq: 19 Jan 2024 23:09

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#01

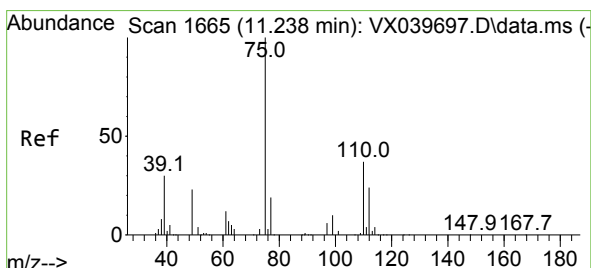
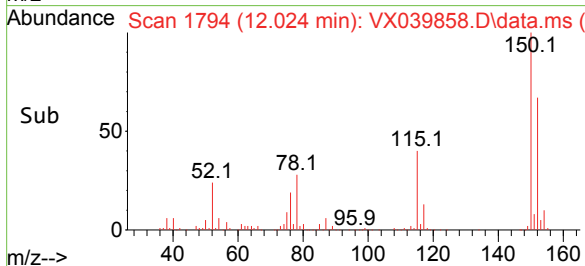
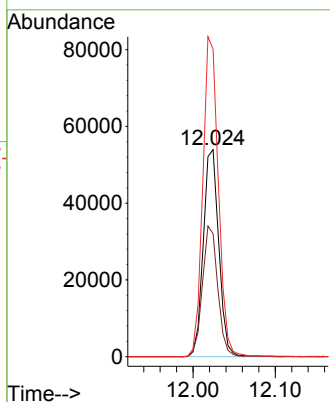
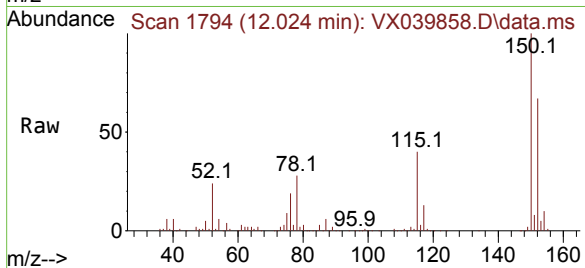
Tgt Ion:152 Resp: 70769

Ion Ratio Lower Upper

152 100

115 62.5 43.3 129.9

150 155.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.313 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039858.D

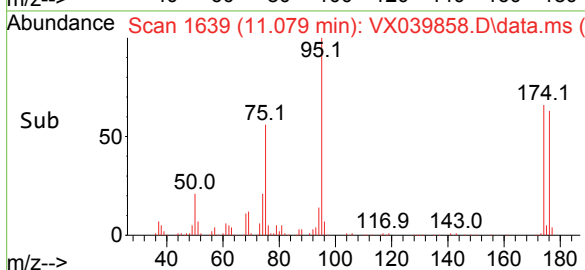
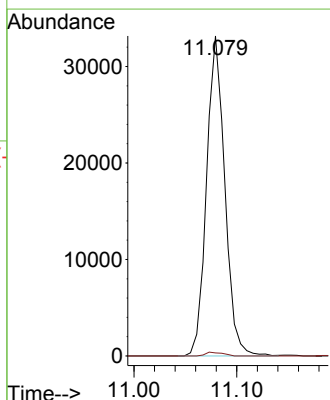
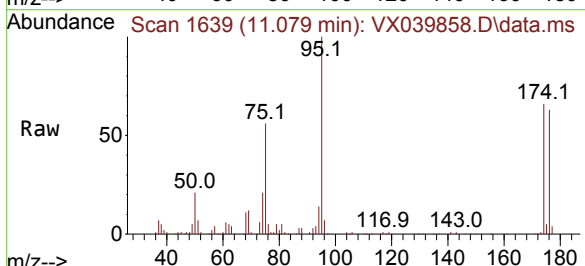
Acq: 19 Jan 2024 23:09

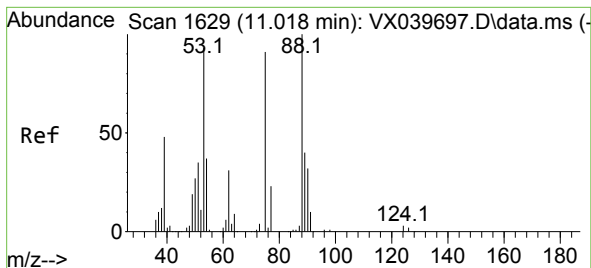
Tgt Ion: 75 Resp: 40939

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

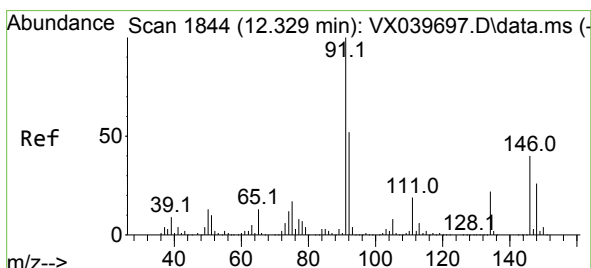
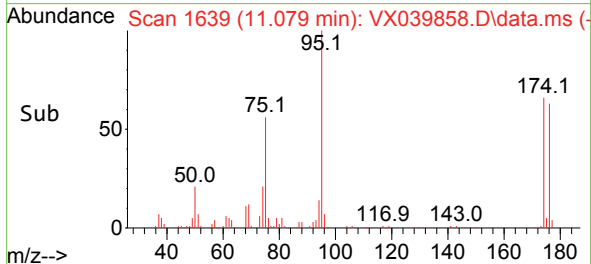
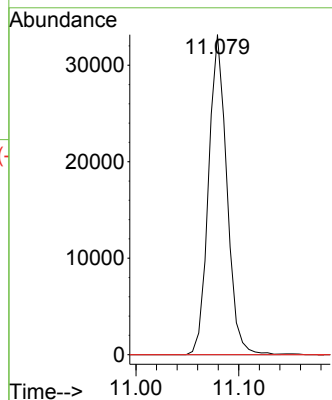
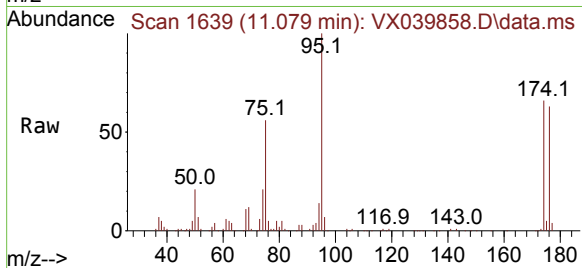




#81
trans-1,4-Dichloro-2-butene
Concen: 64.653 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

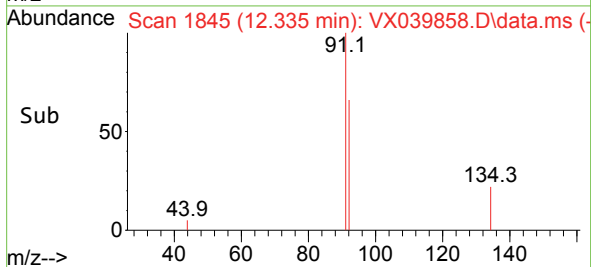
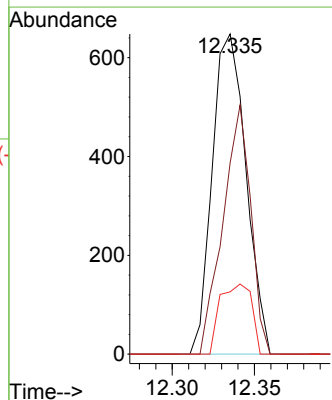
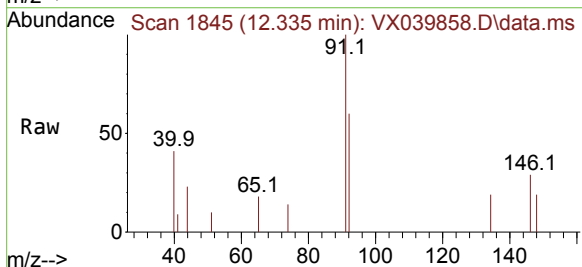
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#01

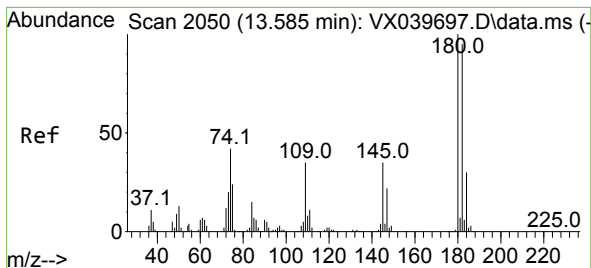
Tgt Ion: 75 Resp: 40939
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.202 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX039858.D
Acq: 19 Jan 2024 23:09

Tgt Ion: 91 Resp: 925
Ion Ratio Lower Upper
91 100
92 64.1 27.4 82.0
134 20.4 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.653 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039858.D

Acq: 19 Jan 2024 23:09

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#01

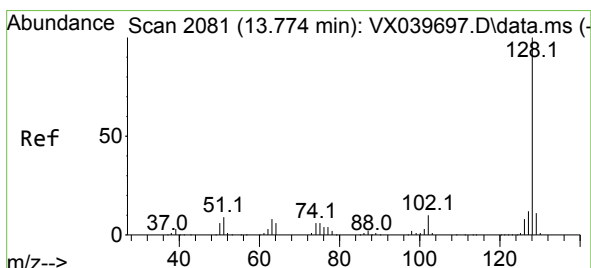
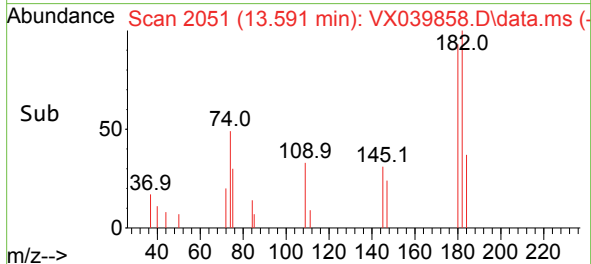
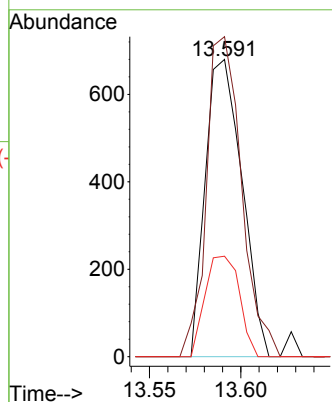
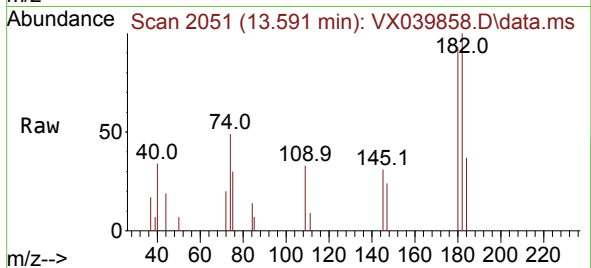
Tgt Ion:180 Resp: 949

Ion Ratio Lower Upper

180 100

182 103.2 48.3 144.8

145 31.7 18.0 54.0



#95

Naphthalene

Concen: 0.249 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX039858.D

Acq: 19 Jan 2024 23:09

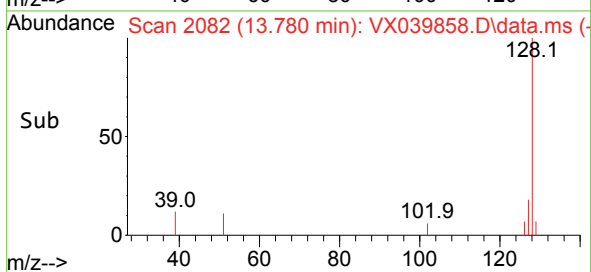
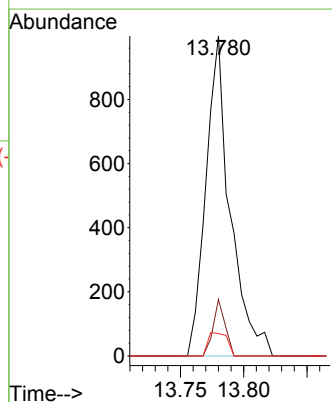
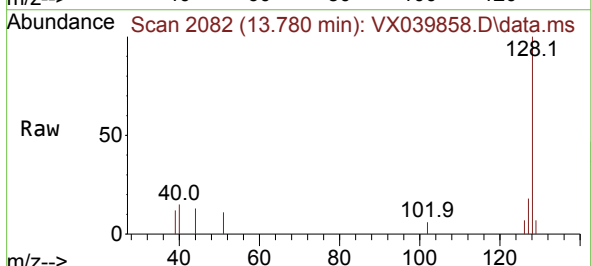
Tgt Ion:128 Resp: 1330

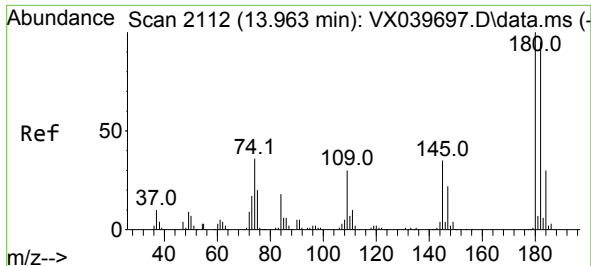
Ion Ratio Lower Upper

128 100

127 8.7 10.3 15.5#

129 5.7 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 0.312 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX039858.D

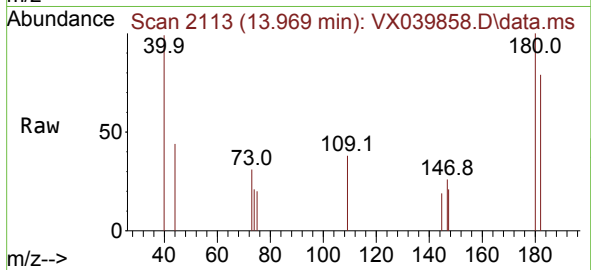
Acq: 19 Jan 2024 23:09

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#01



Tgt Ion:180 Resp: 458

Ion Ratio Lower Upper

180 100

182 0.0 46.9 140.6#

145 13.3 17.8 53.5#

