

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039859.D
 Acq On : 19 Jan 2024 23:31
 Operator : JC/MD
 Sample : PB158526ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#02

Quant Time: Jan 20 03:54:38 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)

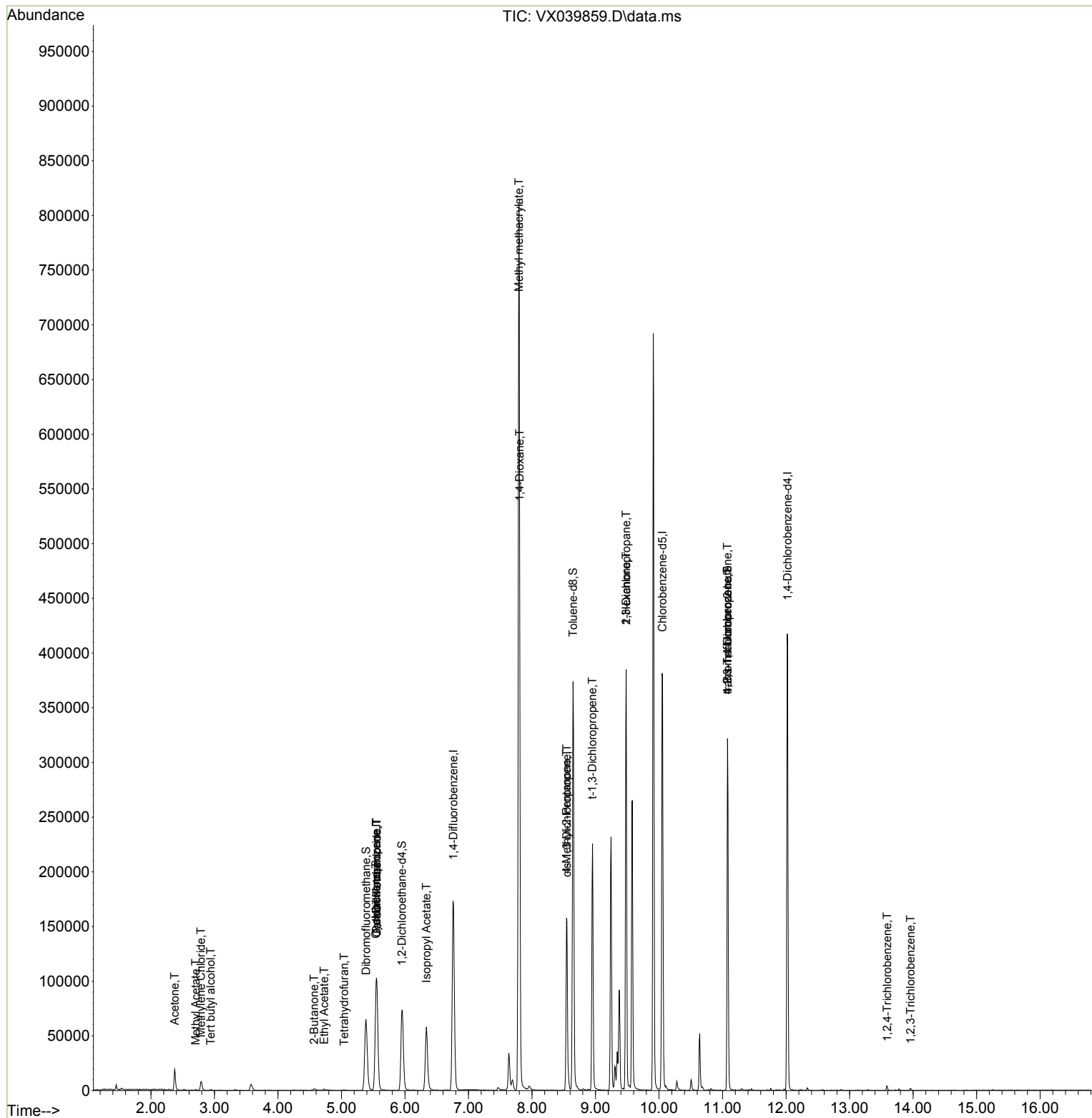
Internal Standards						
1) Pentafluorobenzene	5.549	168	94407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170722	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72655	45.942	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.880%		
35) Dibromofluoromethane	5.385	113	55906	48.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.240%		
50) Toluene-d8	8.646	98	215129	49.605	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.200%		
62) 4-Bromofluorobenzene	11.079	95	83819	49.424	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.840%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.940	59	611	1.484	ug/l #	87
16) Acetone	2.373	43	19133	21.512	ug/l	95
18) Methyl Acetate	2.702	43	1001	0.538	ug/l #	82
20) Methylene Chloride	2.788	84	3799	2.824	ug/l #	92
25) 2-Butanone	4.568	43	2276	1.781	ug/l	91
29) Tetrahydrofuran	5.043	42	410	0.498	ug/l #	52
31) Cyclohexane	5.543	56	2693	1.290	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	8212	4.588	ug/l #	50
37) Ethyl Acetate	4.726	43	2585	1.083	ug/l #	78
38) Carbon Tetrachloride	5.556	117	10324	6.298	ug/l #	16
43) Isopropyl Acetate	6.336	43	78961	22.542	ug/l	99
48) Methyl methacrylate	7.793	41	70957	41.212	ug/l #	50
49) 1,4-Dioxane	7.805	88	20	0.600	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	59617	24.713	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	482	0.261	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	23679	11.669	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	3043	1.393	ug/l #	42
59) 2-Hexanone	9.482	43	45784	23.980	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	46961	22.345	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	46961	64.735	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	1154	0.693	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	455	0.271	ug/l	83

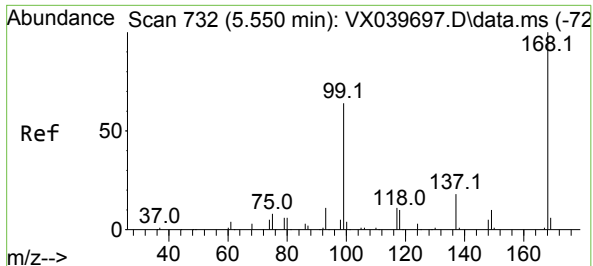
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

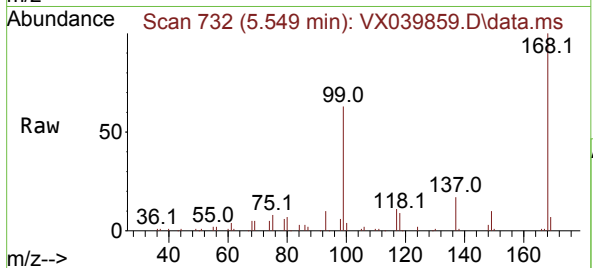
Quant Time: Jan 20 03:54:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration



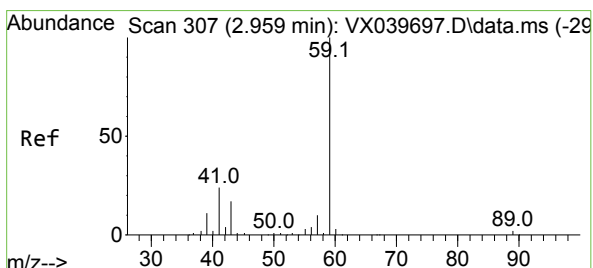
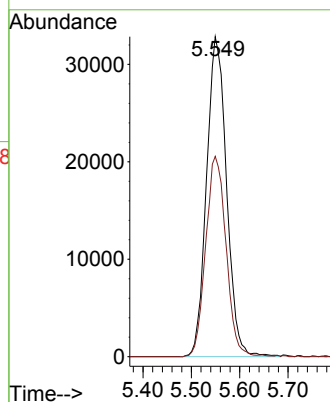
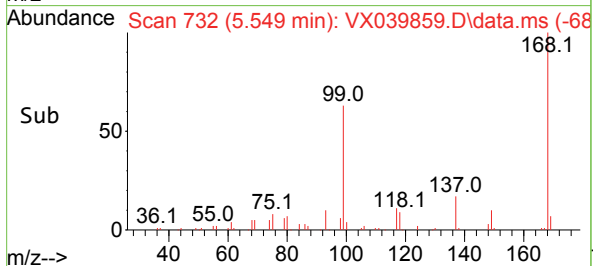


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

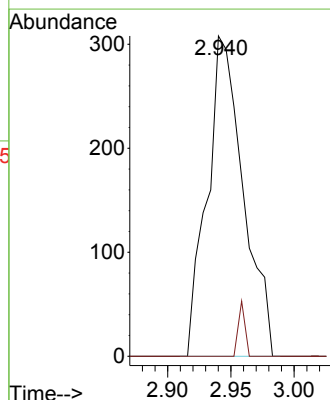
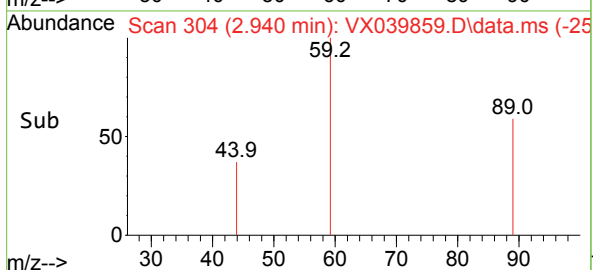
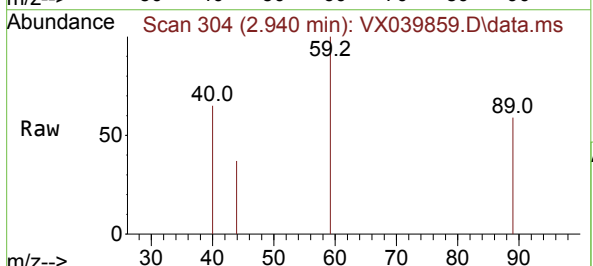


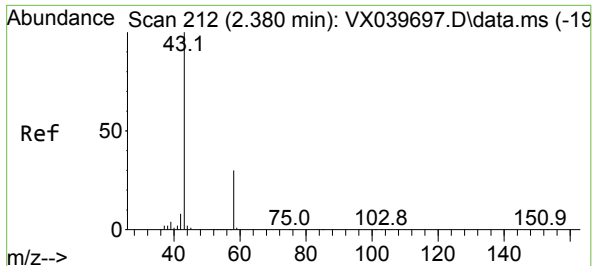
Tgt Ion:168 Resp: 94407
Ion Ratio Lower Upper
168 100
99 62.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.484 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.019 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Tgt Ion: 59 Resp: 611
Ion Ratio Lower Upper
59 100
57 3.1 6.0 9.0#

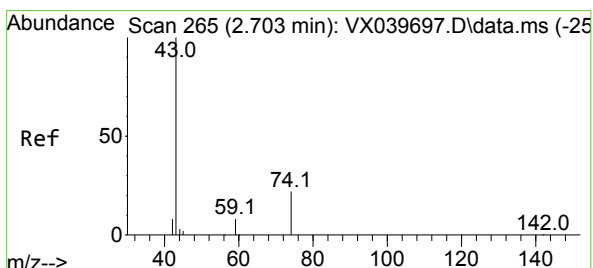
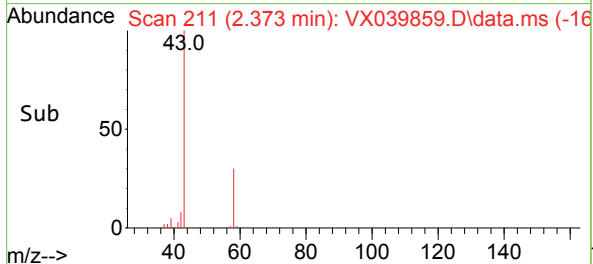
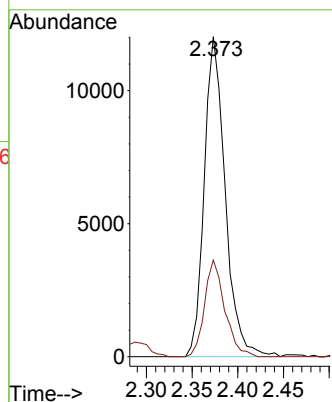
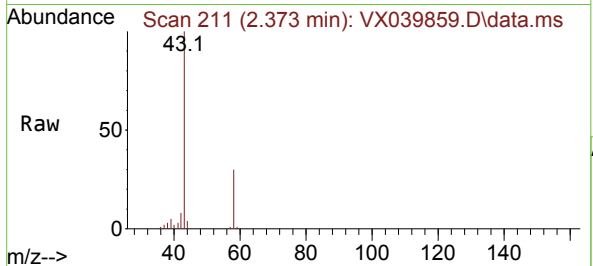




#16
Acetone
Concen: 21.512 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

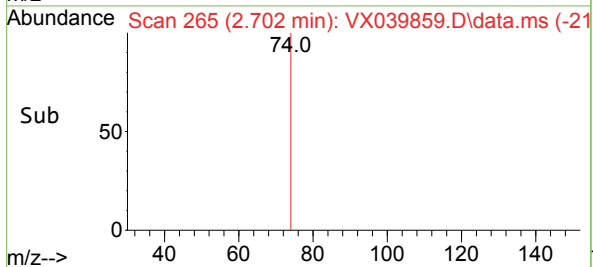
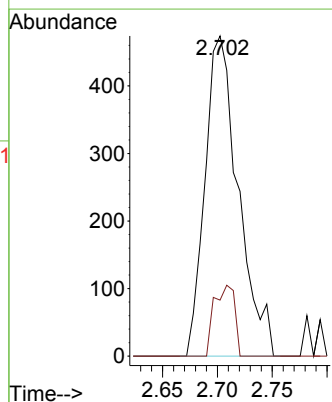
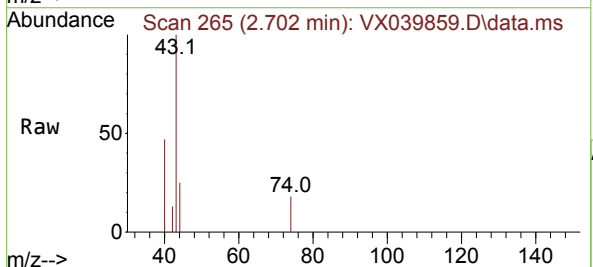
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

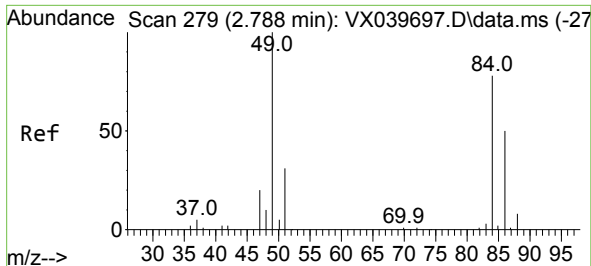
Tgt Ion: 43 Resp: 19133
Ion Ratio Lower Upper
43 100
58 30.2 21.9 32.9



#18
Methyl Acetate
Concen: 0.538 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

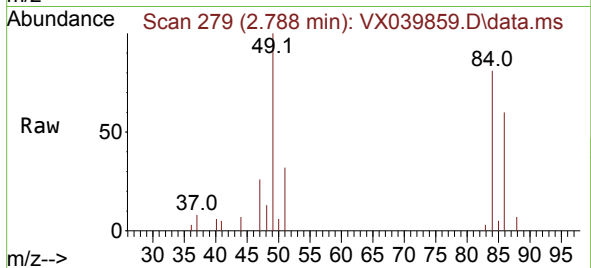
Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
74 13.6 17.8 26.8#



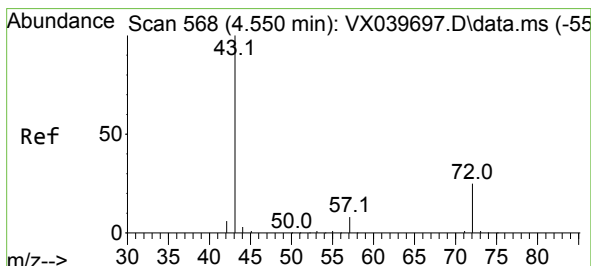
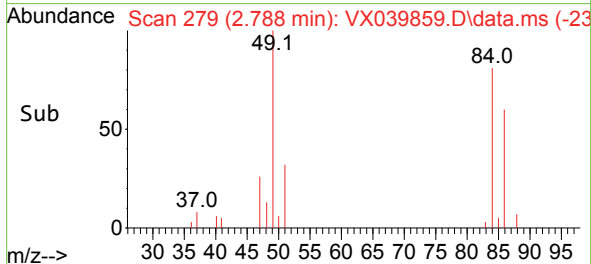
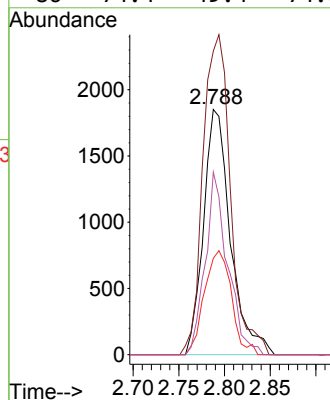


#20
Methylene Chloride
Concen: 2.824 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

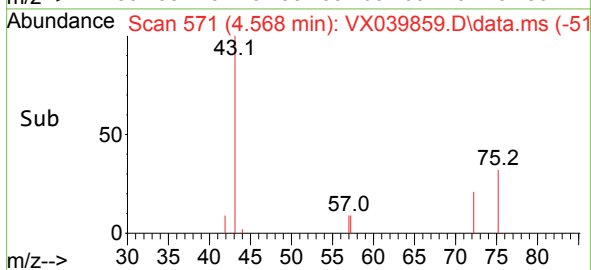
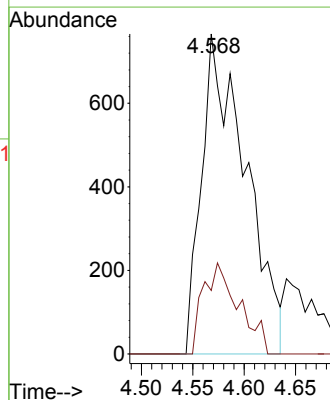
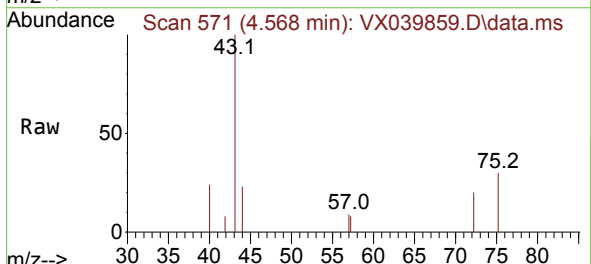


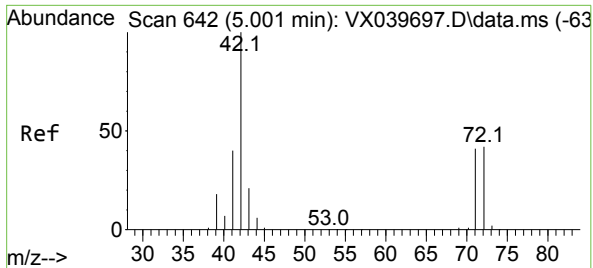
Tgt Ion:	84	Resp:	3799
Ion	Ratio	Lower	Upper
84	100		
49	123.8	103.6	155.4
51	39.3	33.8	50.6
86	74.4	49.4	74.0



#25
2-Butanone
Concen: 1.781 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Tgt Ion:	43	Resp:	2276
Ion	Ratio	Lower	Upper
43	100		
72	19.8	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.498 ug/l

RT: 5.043 min Scan# 642

Delta R.T. 0.042 min

Lab File: VX039859.D

Acq: 19 Jan 2024 23:31

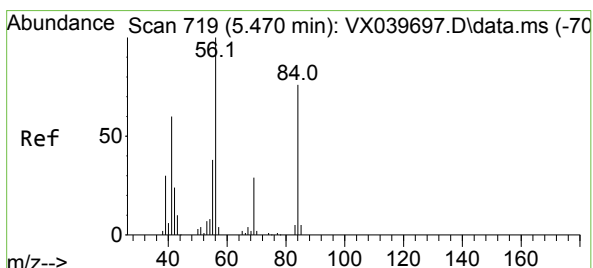
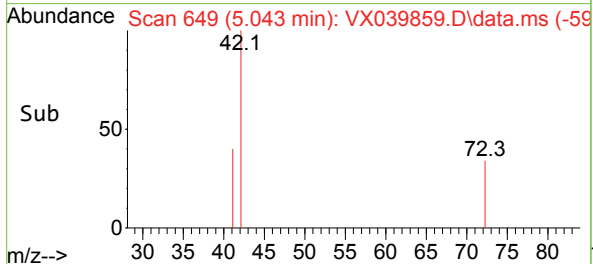
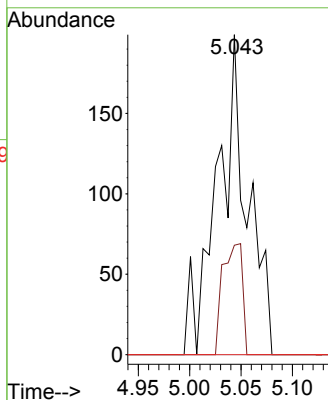
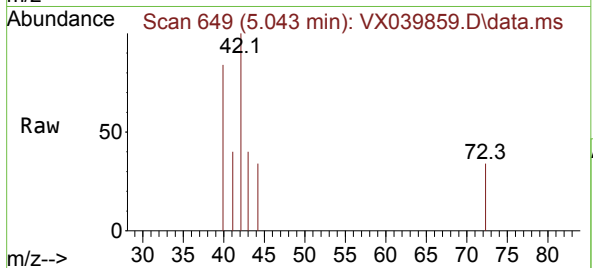
Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#02

Tgt Ion:	42	Resp:	410
Ion	Ratio	Lower	Upper
42	100		
72	22.2	34.2	51.4#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.290 ug/l

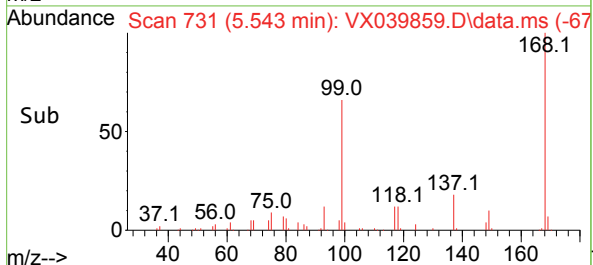
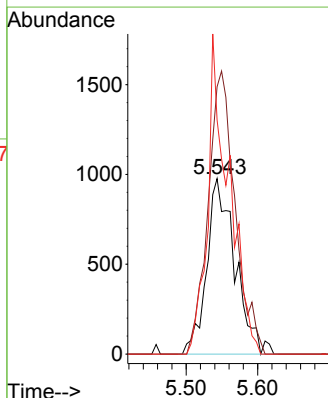
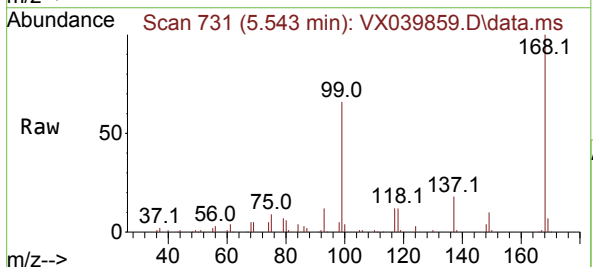
RT: 5.543 min Scan# 731

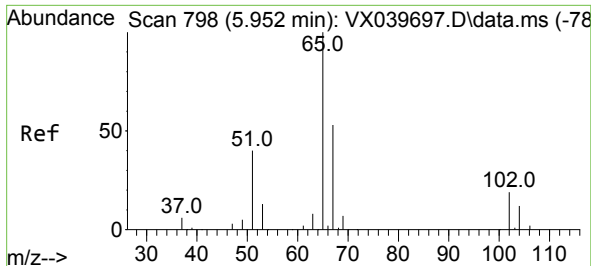
Delta R.T. 0.073 min

Lab File: VX039859.D

Acq: 19 Jan 2024 23:31

Tgt Ion:	56	Resp:	2693
Ion	Ratio	Lower	Upper
56	100		
69	152.3	23.4	35.2#
84	133.5	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.942 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039859.D

Acq: 19 Jan 2024 23:31

Instrument :

MSVOA_X

ClientSampleId :

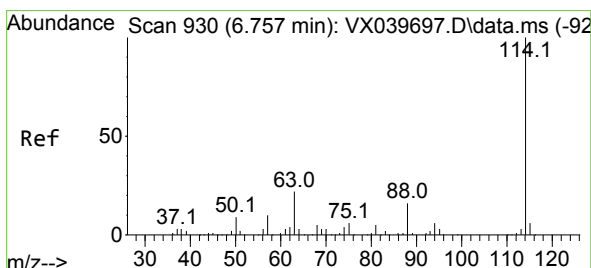
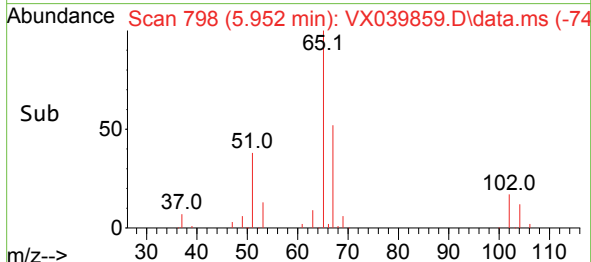
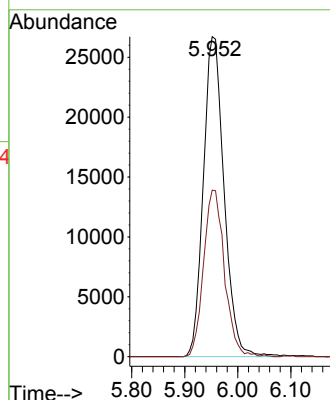
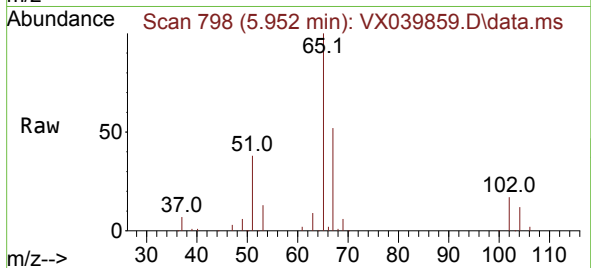
PB158526ZHE#02

Tgt Ion: 65 Resp: 72655

Ion Ratio Lower Upper

65 100

67 52.3 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: VX039859.D

Acq: 19 Jan 2024 23:31

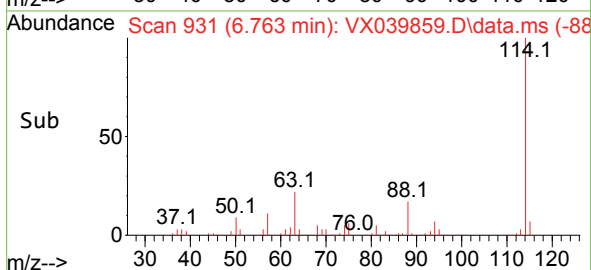
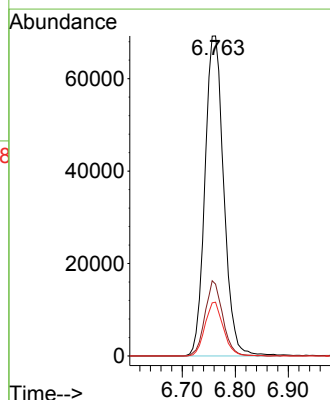
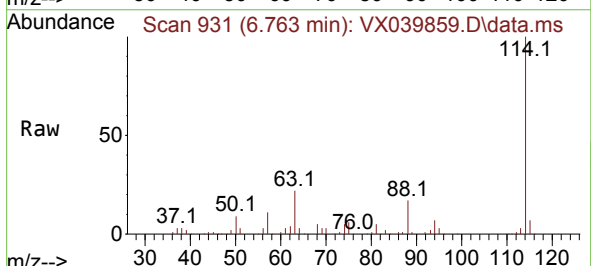
Tgt Ion: 114 Resp: 170722

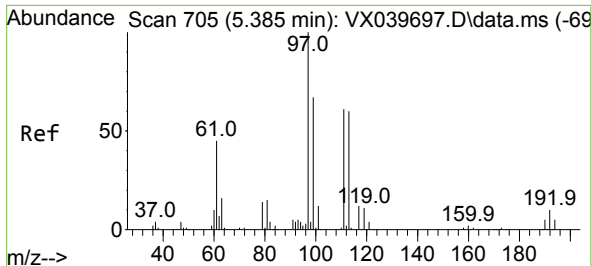
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

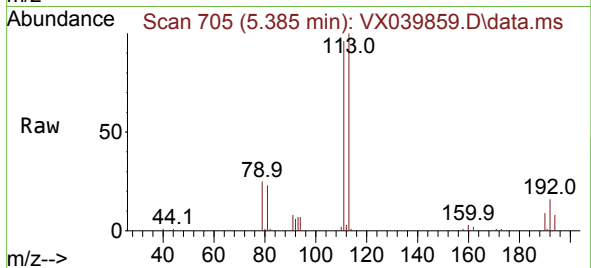
88 16.8 0.0 36.6



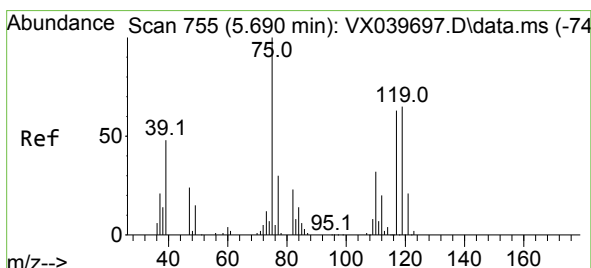
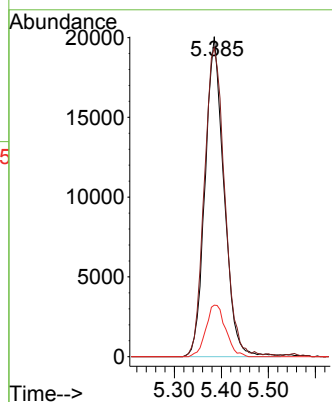
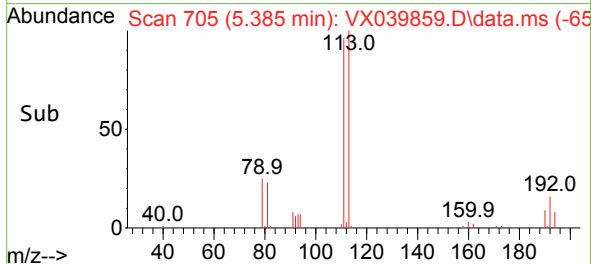


#35
Dibromofluoromethane
Concen: 48.619 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Instrument :
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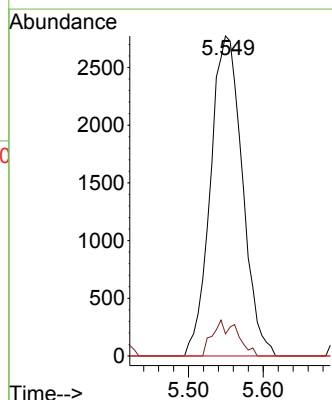
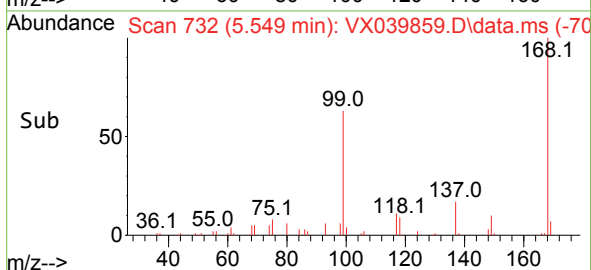
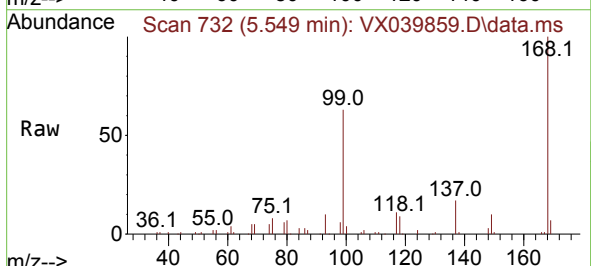


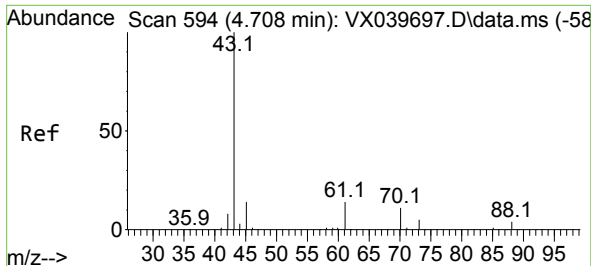
Tgt Ion:113 Resp: 55906
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 16.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.588 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Tgt Ion: 75 Resp: 8212
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#

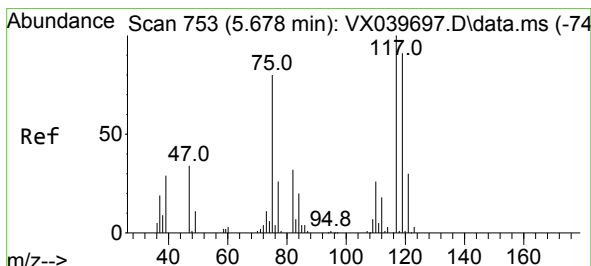
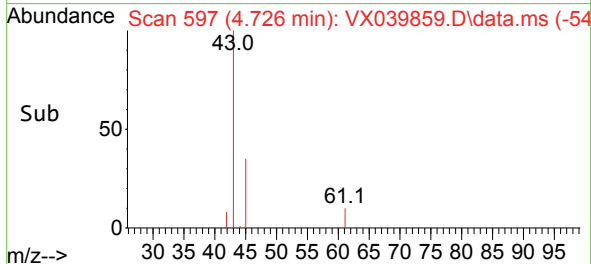
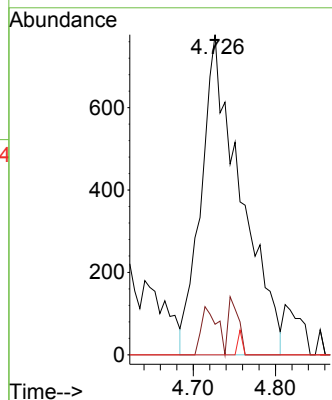
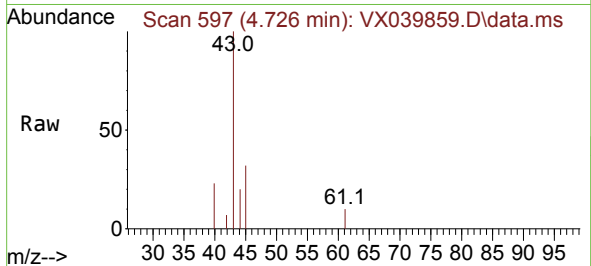




#37
Ethyl Acetate
Concen: 1.083 ug/l
RT: 4.726 min Scan# 594
Delta R.T. 0.018 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

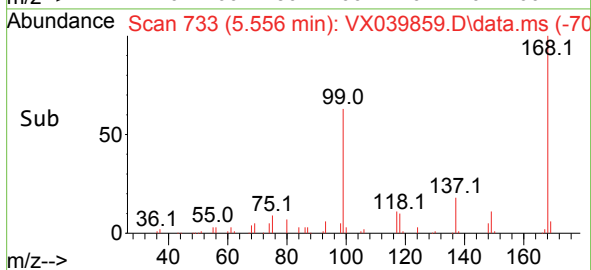
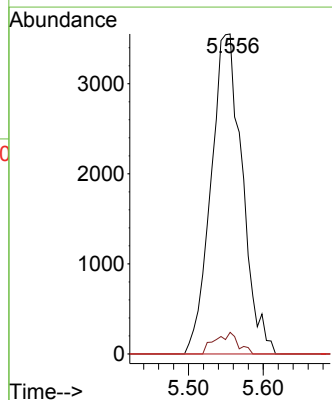
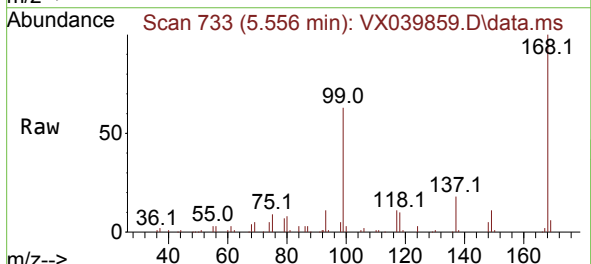
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

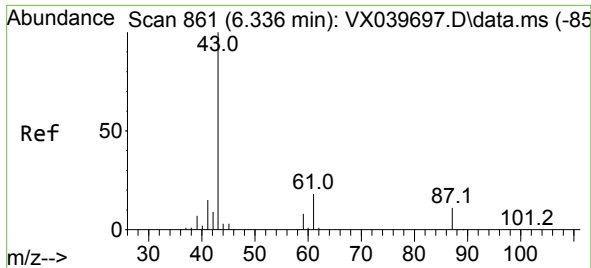
Tgt Ion: 43 Resp: 2585
Ion Ratio Lower Upper
43 100
61 6.0 10.6 16.0#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Tgt Ion: 117 Resp: 10324
Ion Ratio Lower Upper
117 100
119 6.8 78.2 117.2#
121 0.0 24.4 36.6#

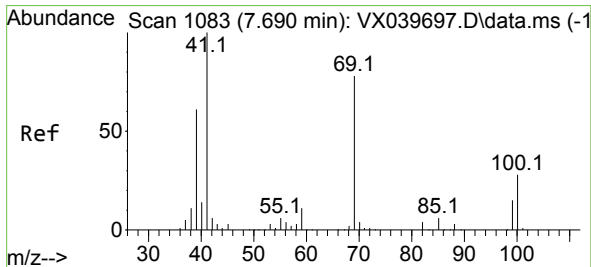
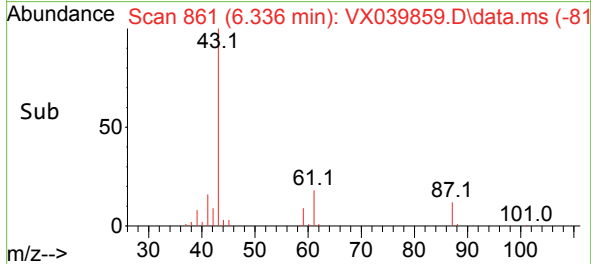
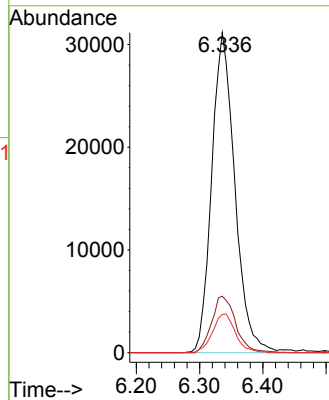
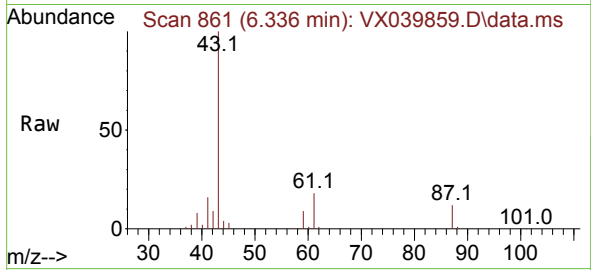




#43
Isopropyl Acetate
Concen: 22.542 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

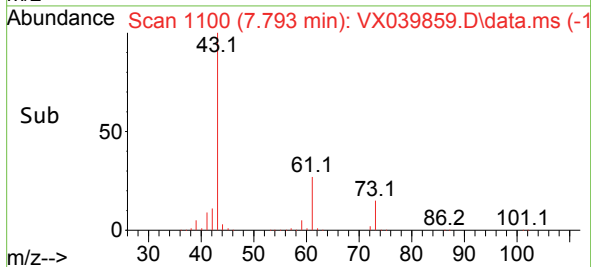
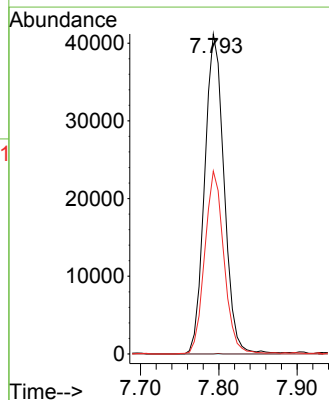
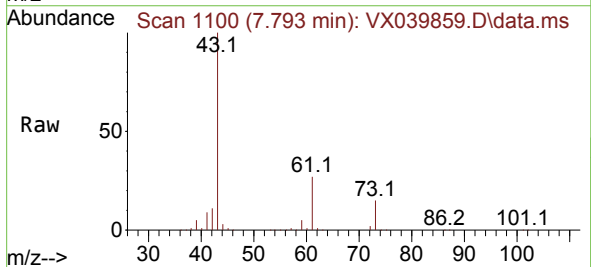
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

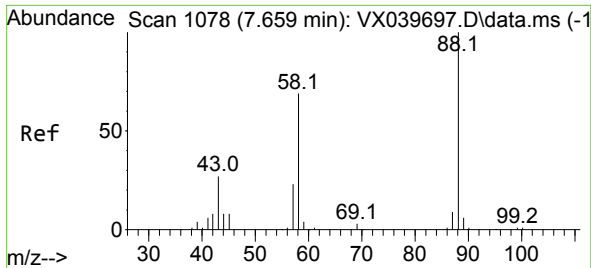
Tgt	Ion: 43	Resp:	78961
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.2	22.8
87	11.9	9.8	14.6



#48
Methyl methacrylate
Concen: 41.212 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Tgt Ion: 41	Resp: 70957
Ion Ratio	Lower Upper
41 100	
69 0.0	59.2 88.8#
39 56.5	47.7 71.5

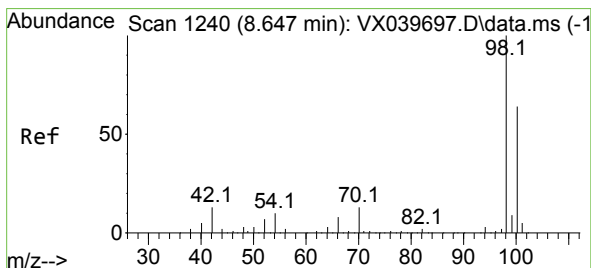
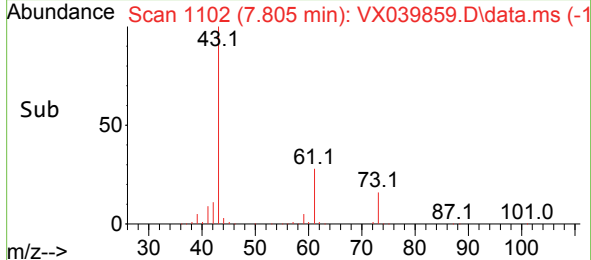
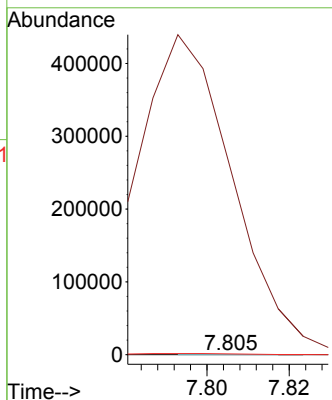
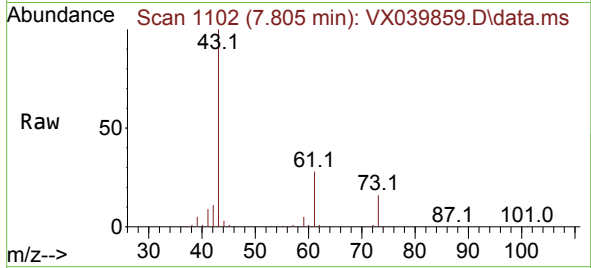




#49
1,4-Dioxane
Concen: 0.600 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

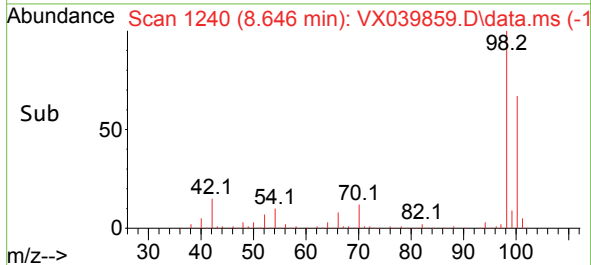
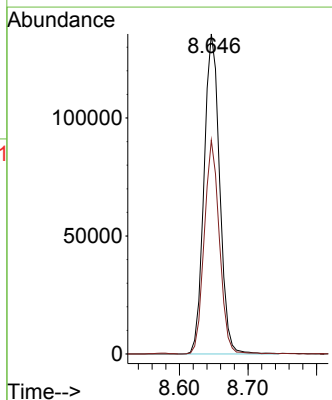
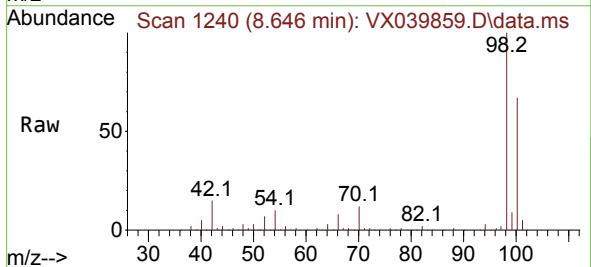
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

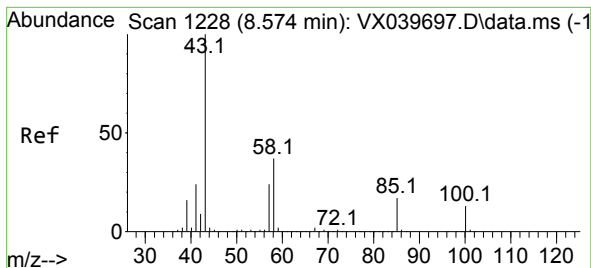
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 3730970.0 0.0 0.0#
58 15650.0 60.1 90.1#



#50
Toluene-d8
Concen: 49.605 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Tgt Ion: 98 Resp: 215129
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7

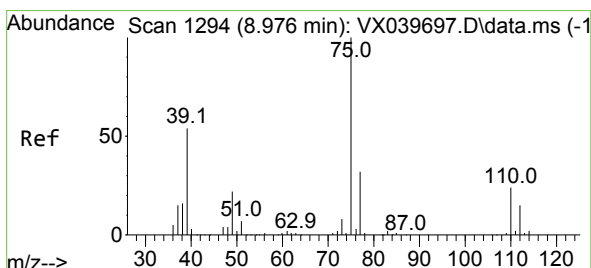
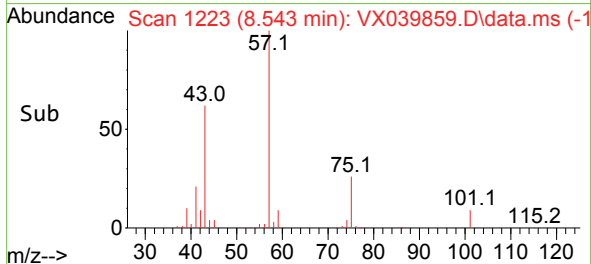
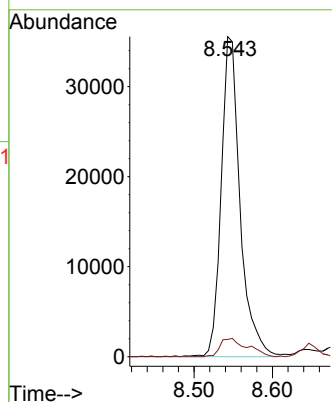
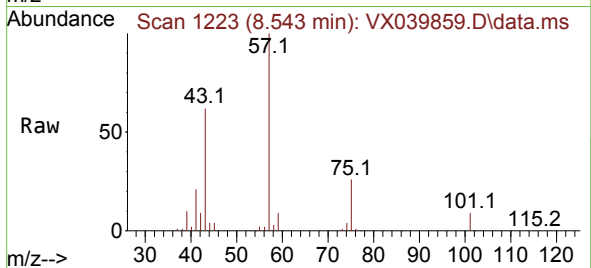




#51
4-Methyl-2-Pentanone
Concen: 24.713 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

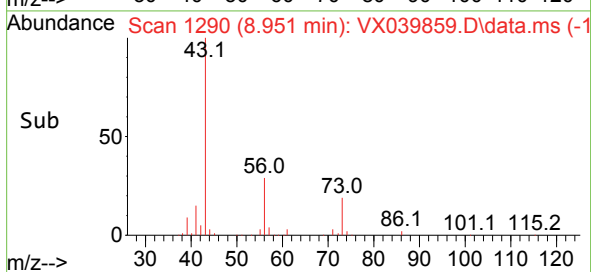
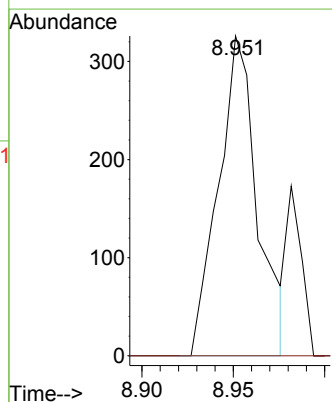
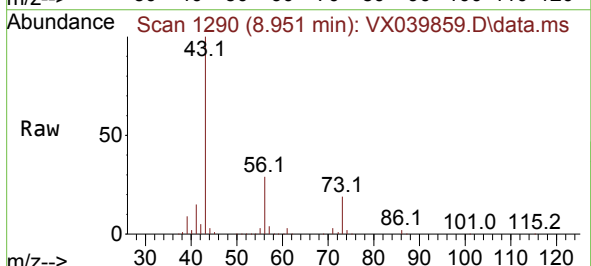
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

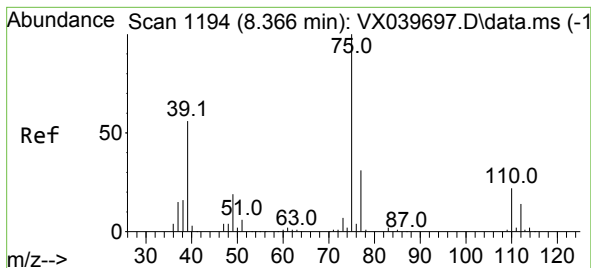
Tgt Ion: 43 Resp: 59617
Ion Ratio Lower Upper
43 100
58 8.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.261 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Tgt Ion: 75 Resp: 482
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#





#54

cis-1,3-Dichloropropene

Concen: 11.669 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX039859.D

Acq: 19 Jan 2024 23:31

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#02

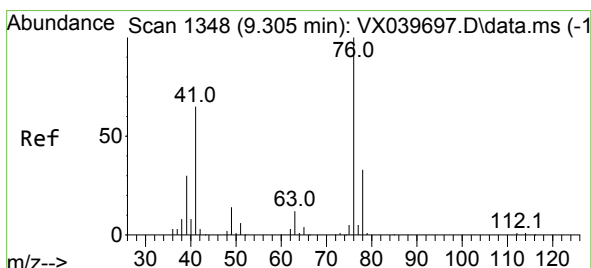
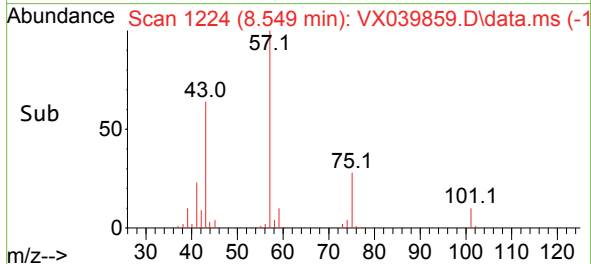
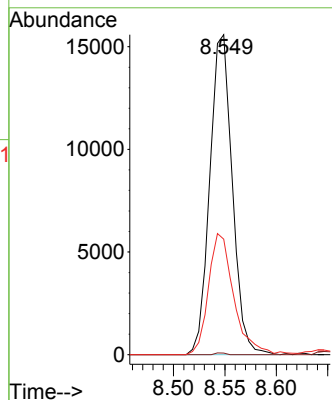
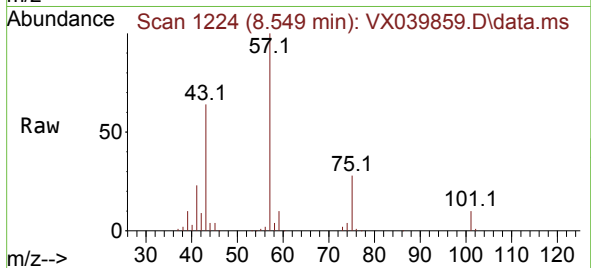
Tgt Ion: 75 Resp: 23679

Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 36.1 46.7 70.1#



#57

1,3-Dichloropropane

Concen: 1.393 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.176 min

Lab File: VX039859.D

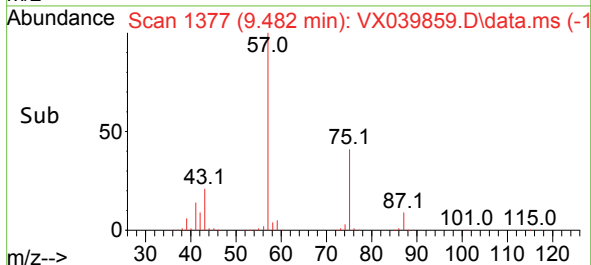
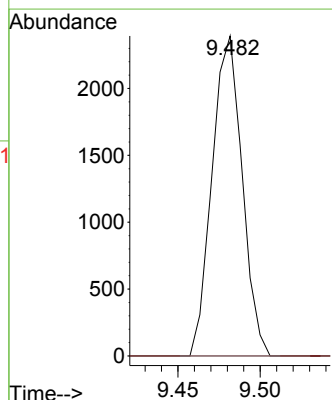
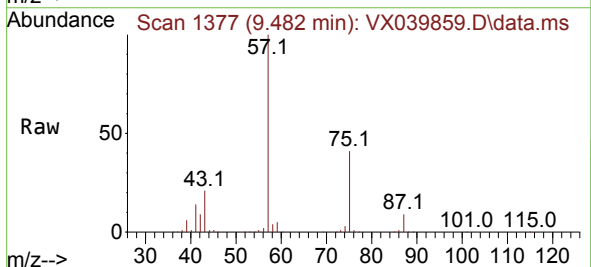
Acq: 19 Jan 2024 23:31

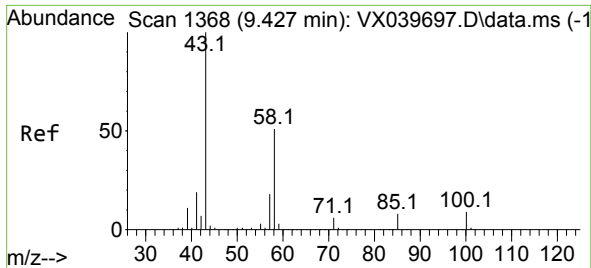
Tgt Ion: 76 Resp: 3043

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#

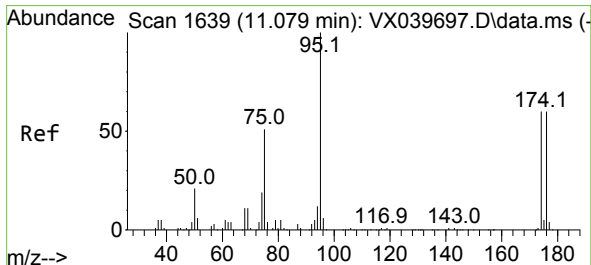
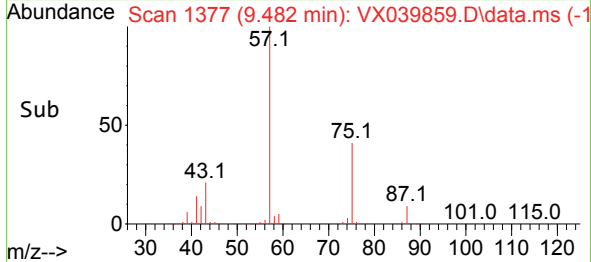
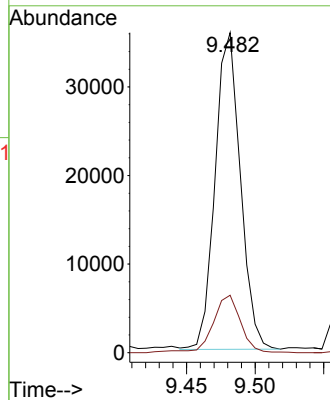
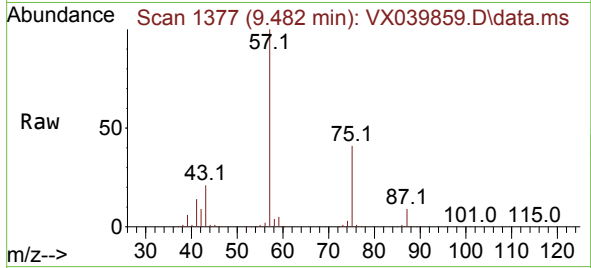




#59
2-Hexanone
Concen: 23.980 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

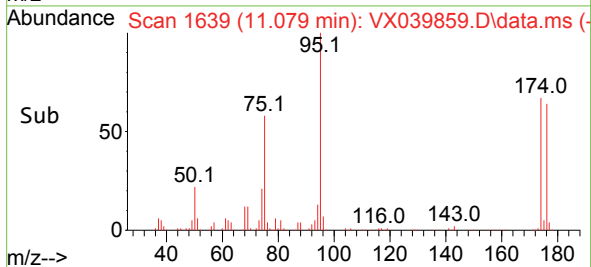
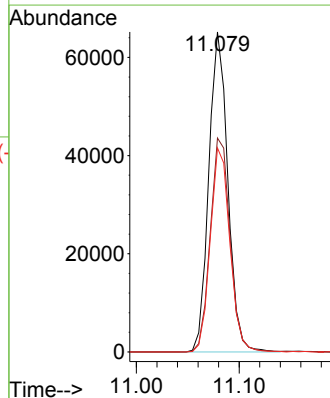
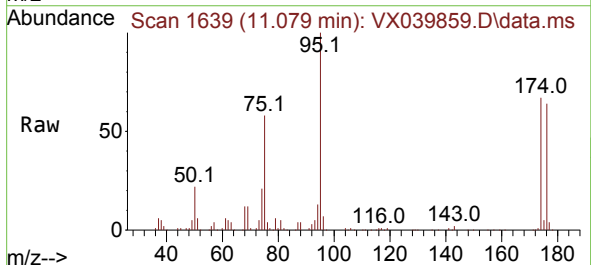
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

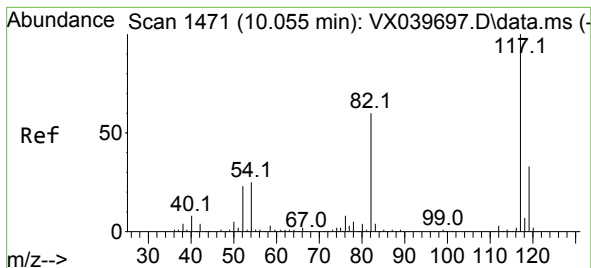
Tgt Ion: 43 Resp: 45784
Ion Ratio Lower Upper
43 100
58 19.9 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.424 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Tgt Ion: 95 Resp: 83819
Ion Ratio Lower Upper
95 100
174 69.8 0.0 135.6
176 65.6 0.0 131.0

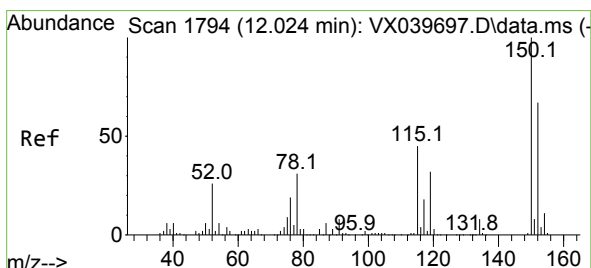
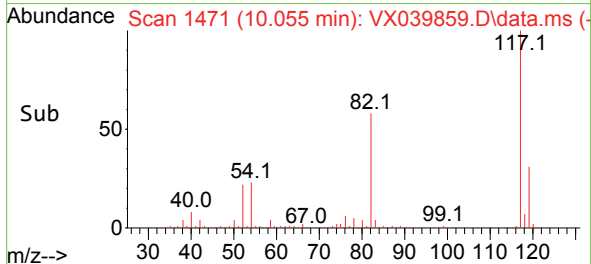
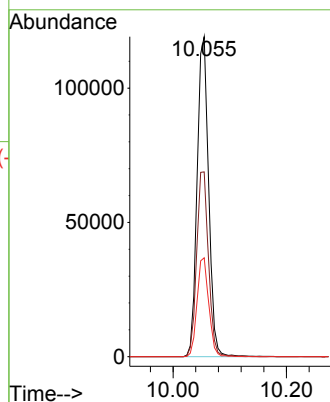
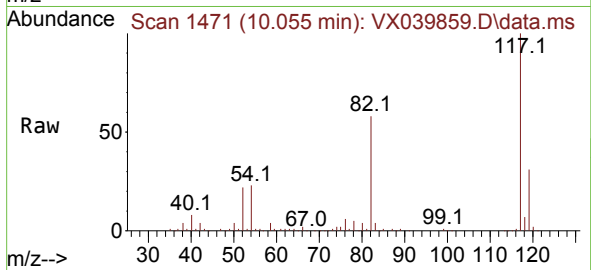




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

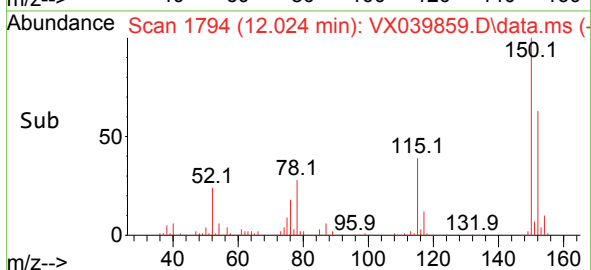
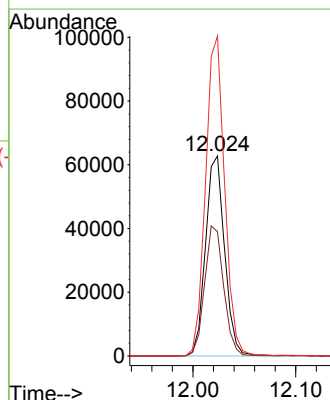
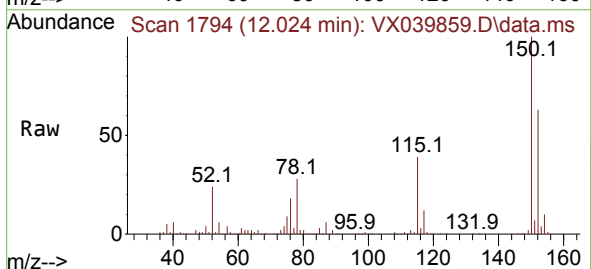
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#02

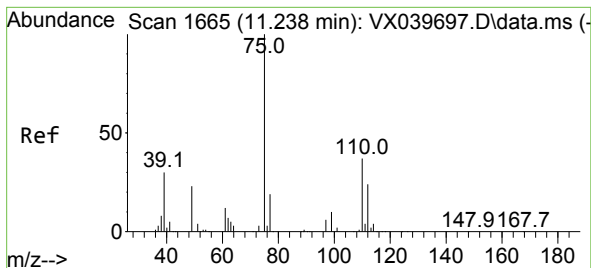
Tgt Ion:117 Resp: 167565
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.4
119 30.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX039859.D
Acq: 19 Jan 2024 23:31

Tgt Ion:152 Resp: 81063
Ion Ratio Lower Upper
152 100
115 65.1 43.3 129.9
150 159.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.345 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039859.D

Acq: 19 Jan 2024 23:31

Instrument :

MSVOA_X

ClientSampleId :

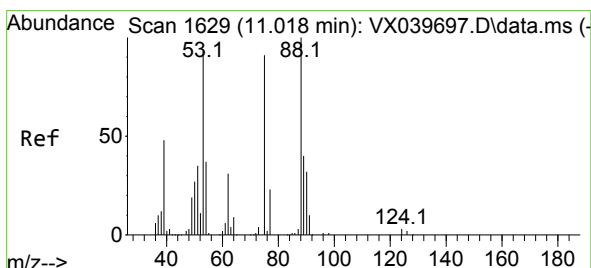
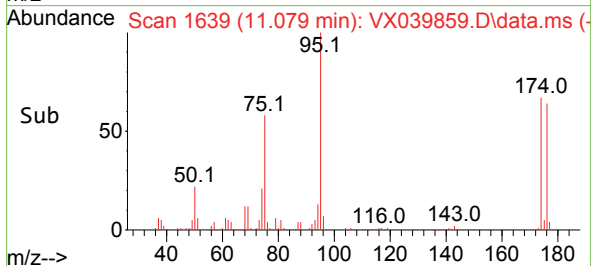
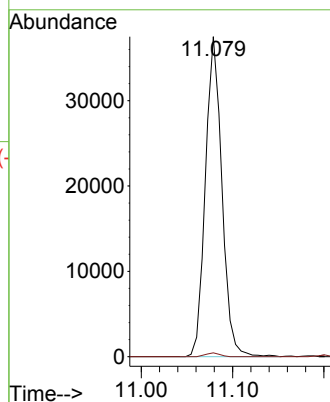
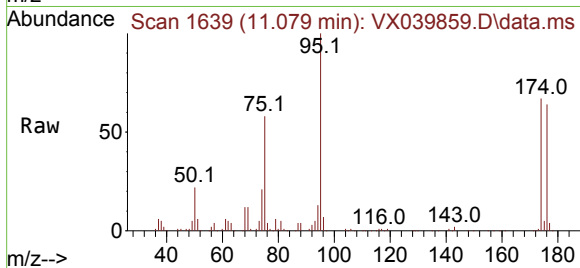
PB158526ZHE#02

Tgt Ion: 75 Resp: 46961

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.735 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039859.D

Acq: 19 Jan 2024 23:31

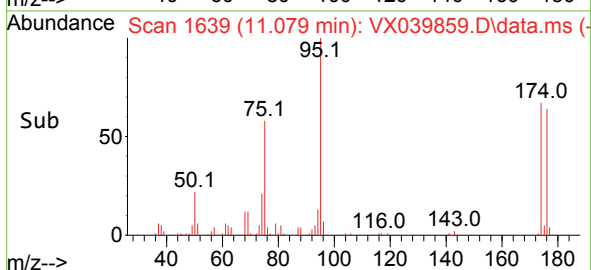
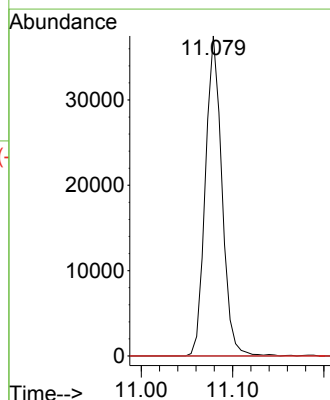
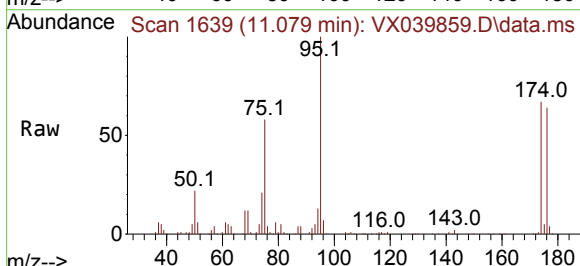
Tgt Ion: 75 Resp: 46961

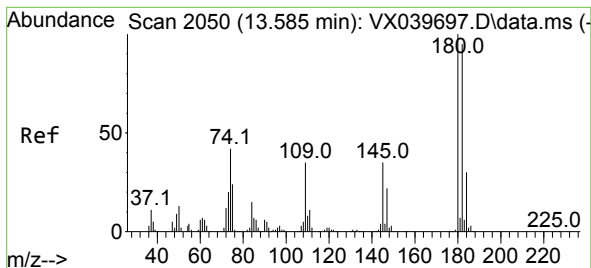
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.693 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039859.D

Acq: 19 Jan 2024 23:31

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#02

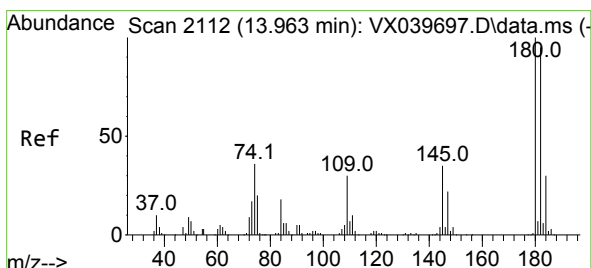
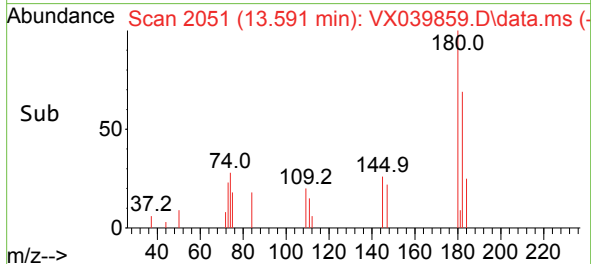
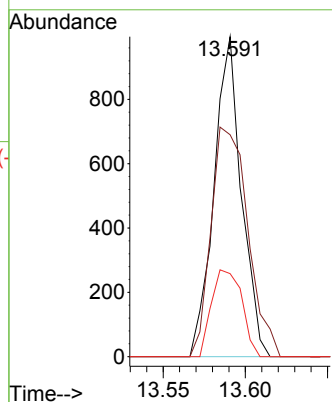
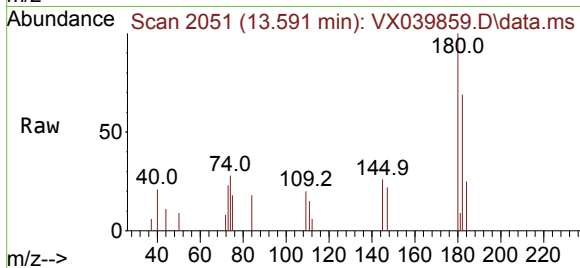
Tgt Ion:180 Resp: 1154

Ion Ratio Lower Upper

180 100

182 96.1 48.3 144.8

145 29.9 18.0 54.0



#96

1,2,3-Trichlorobenzene

Concen: 0.271 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX039859.D

Acq: 19 Jan 2024 23:31

Tgt Ion:180 Resp: 455

Ion Ratio Lower Upper

180 100

182 105.5 46.9 140.6

145 53.0 17.8 53.5

