

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040752.D
 Acq On : 21 Mar 2024 18:55
 Operator : JC/MD
 Sample : PB159677ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#03

Quant Time: Mar 22 02:59:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

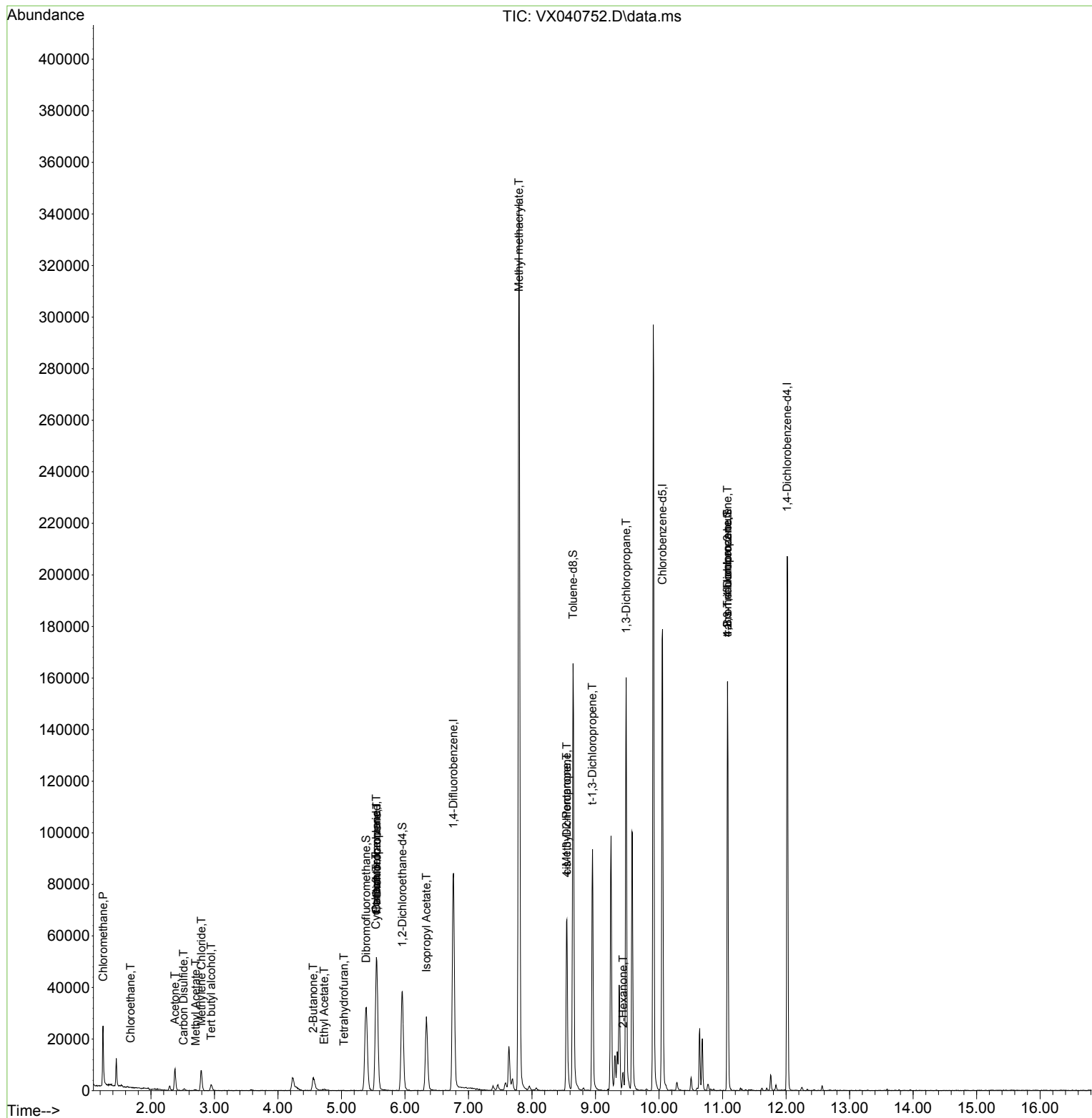
Internal Standards						
1) Pentafluorobenzene	5.550	168	45518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	81052	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	76362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	39676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38214	49.929	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.860%		
35) Dibromofluoromethane	5.385	113	28446	46.904	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.800%		
50) Toluene-d8	8.647	98	95182	45.835	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.660%#		
62) 4-Bromofluorobenzene	11.079	95	39139	47.704	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.400%		
Target Compounds						Qvalue
3) Chloromethane	1.246	50	400	0.664	ug/l #	43
6) Chloroethane	1.678	64	150	0.374	ug/l #	43
11) Tert butyl alcohol	2.946	59	2293	18.709	ug/l #	91
16) Acetone	2.379	43	9015	33.254	ug/l	96
17) Carbon Disulfide	2.514	76	363	0.235	ug/l #	76
18) Methyl Acetate	2.703	43	430	0.592	ug/l #	63
20) Methylene Chloride	2.794	84	3433	5.793	ug/l	95
25) 2-Butanone	4.556	43	9542	22.472	ug/l	99
29) Tetrahydrofuran	5.038	42	159	0.563	ug/l #	34
31) Cyclohexane	5.544	56	1296	1.425	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	4223	4.729	ug/l #	49
37) Ethyl Acetate	4.727	43	1022	1.008	ug/l #	73
38) Carbon Tetrachloride	5.550	117	5148	5.122	ug/l #	11
43) Isopropyl Acetate	6.336	43	38520	24.191	ug/l	97
48) Methyl methacrylate	7.793	41	31316	43.030	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	26896	27.237	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	207	0.214	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	10101	10.084	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	1224	1.198	ug/l #	42
59) 2-Hexanone	9.433	43	4431	5.793	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	23432	27.460	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23432	69.467	ug/l #	5

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

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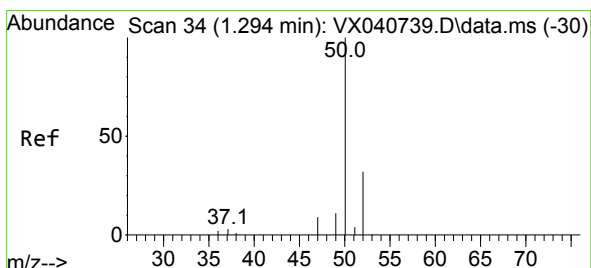
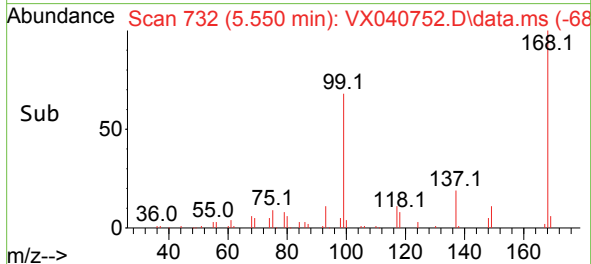
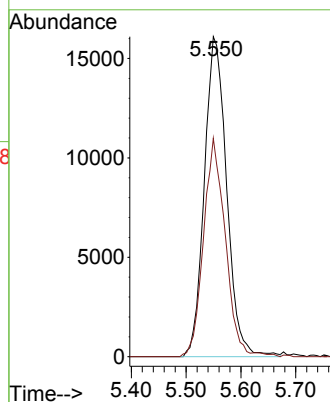
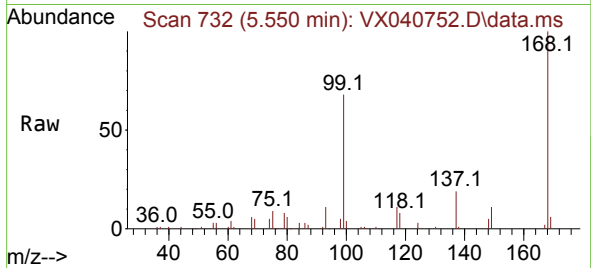




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

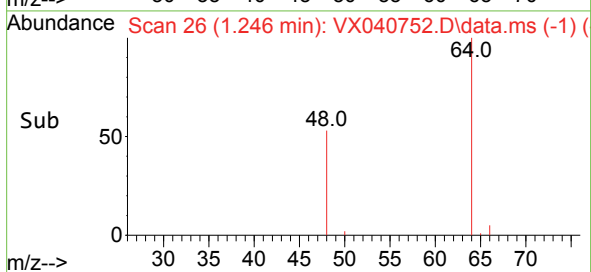
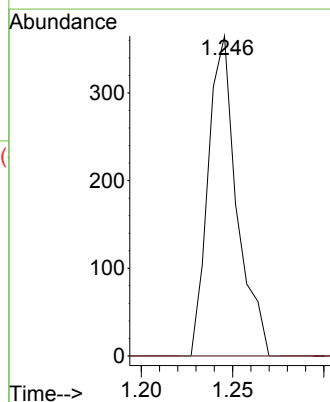
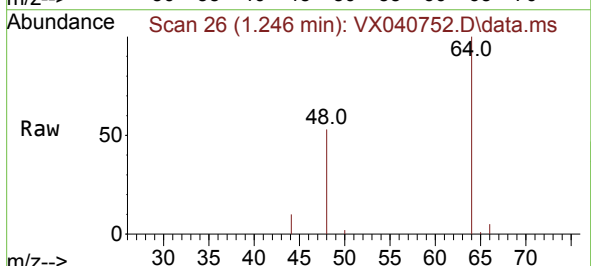
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

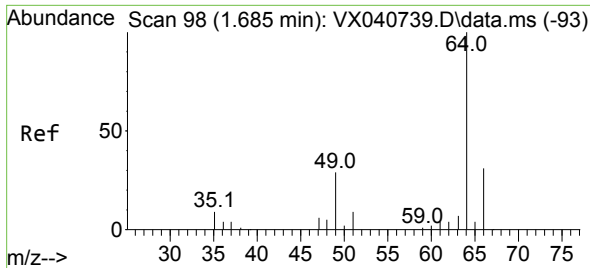
Tgt Ion:168 Resp: 45518
Ion Ratio Lower Upper
168 100
99 68.3 56.6 85.0



#3
Chloromethane
Concen: 0.664 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.048 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion: 50 Resp: 400
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

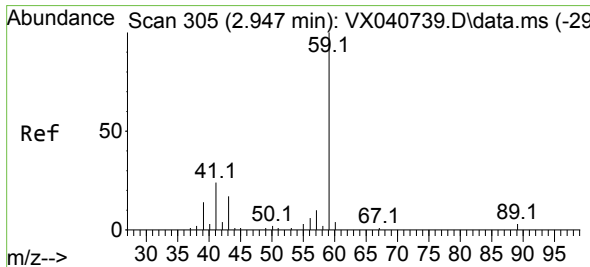
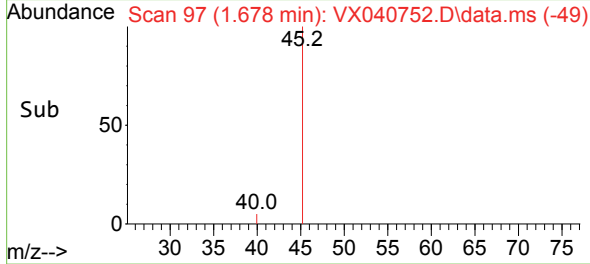
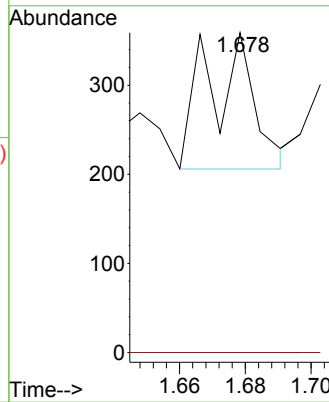
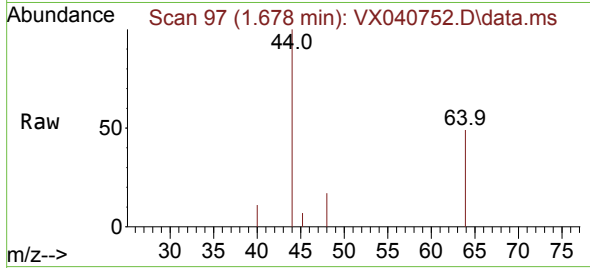




#6
Chloroethane
Concen: 0.374 ug/l
RT: 1.678 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

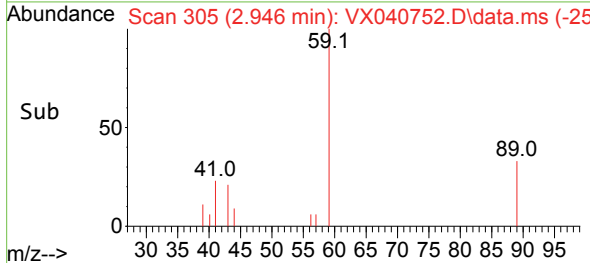
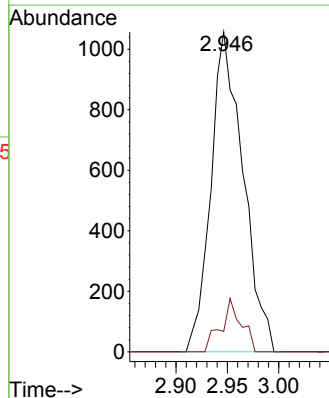
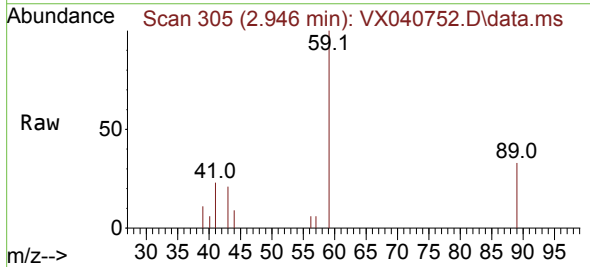
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

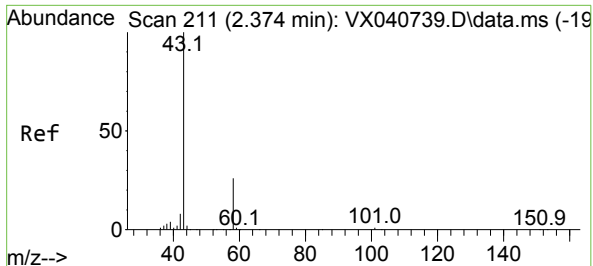
Tgt Ion: 64 Resp: 150
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 18.709 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.001 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion: 59 Resp: 2293
Ion Ratio Lower Upper
59 100
57 10.6 6.0 9.0#

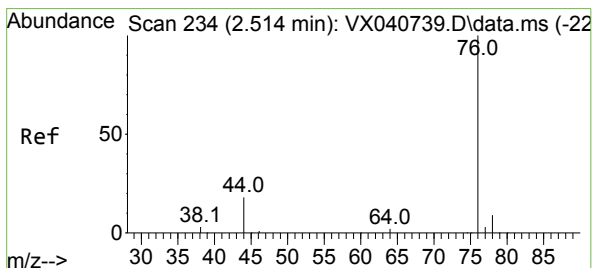
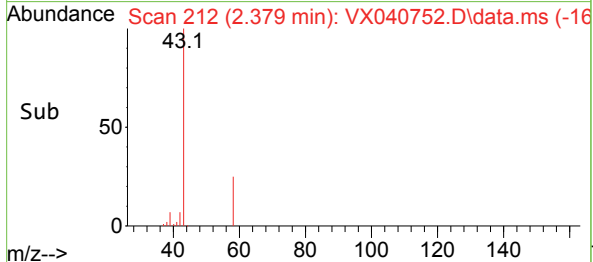
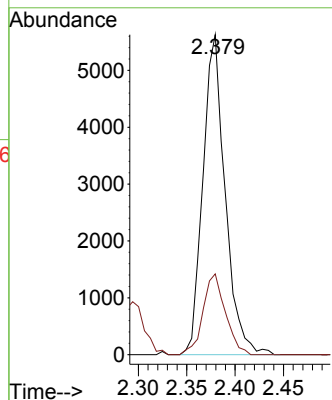
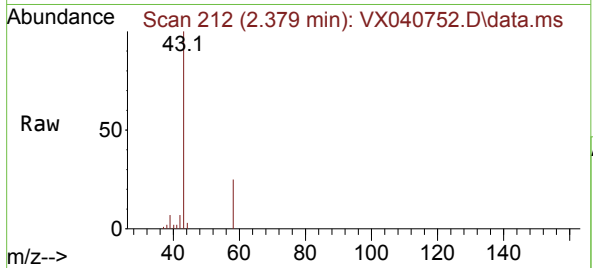




#16
Acetone
Concen: 33.254 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.005 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

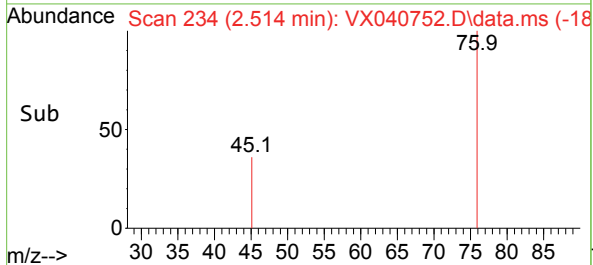
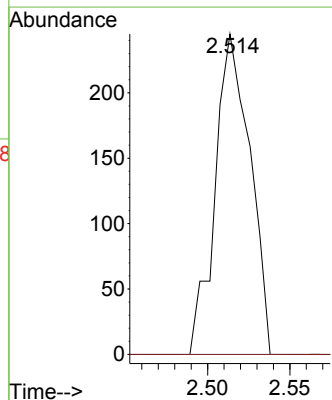
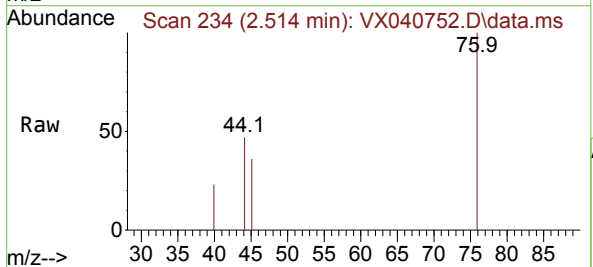
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

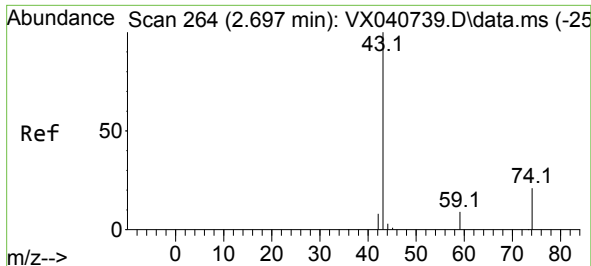
Tgt Ion: 43 Resp: 9015
Ion Ratio Lower Upper
43 100
58 25.2 21.9 32.9



#17
Carbon Disulfide
Concen: 0.235 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion: 76 Resp: 363
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

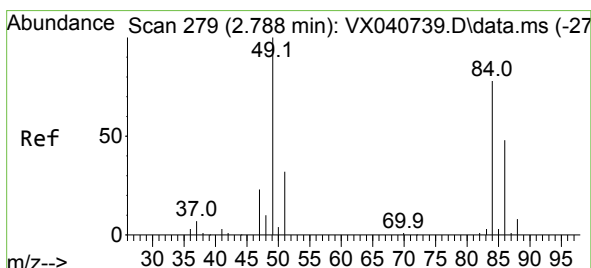
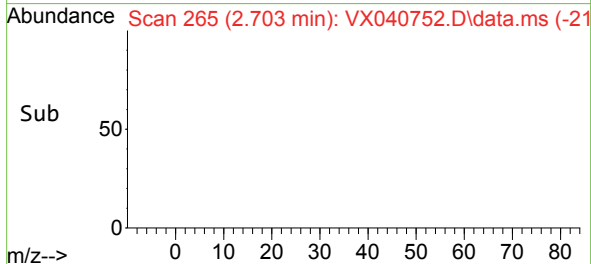
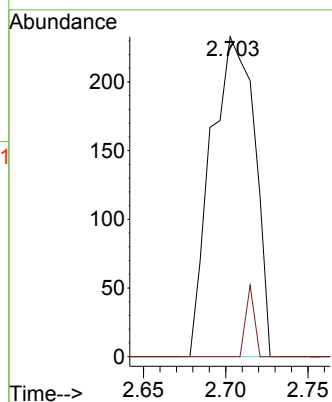
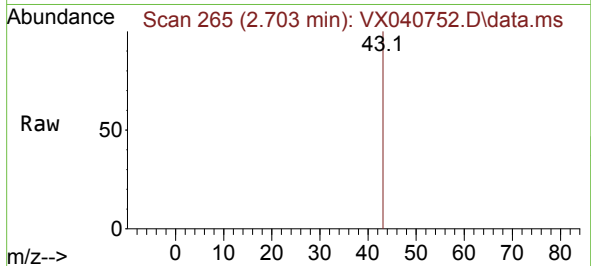




#18
Methyl Acetate
Concen: 0.592 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

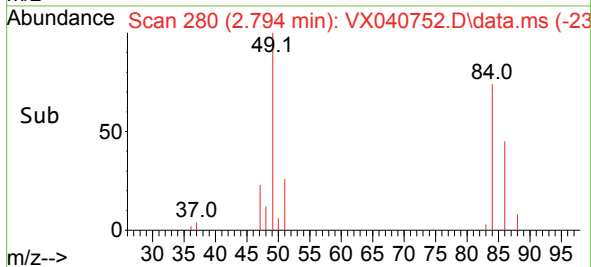
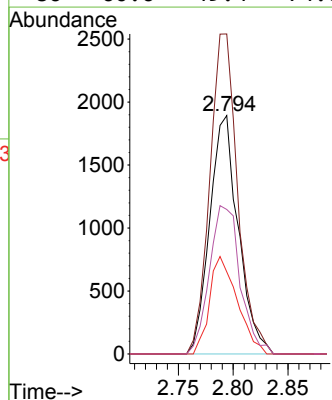
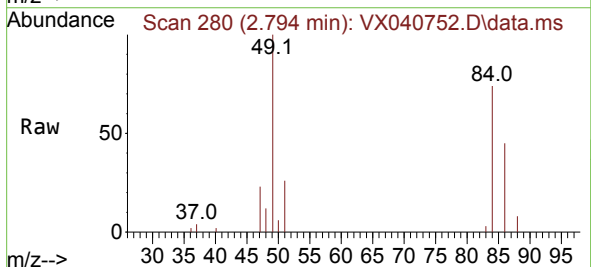
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

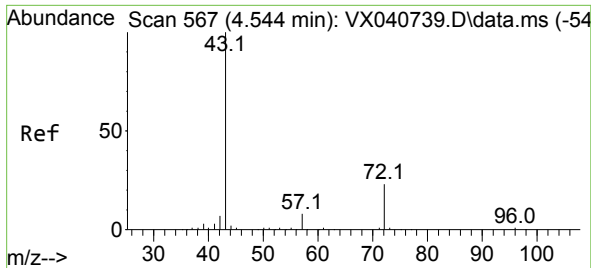
Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
74 4.4 17.8 26.8#



#20
Methylene Chloride
Concen: 5.793 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion: 84 Resp: 3433
Ion Ratio Lower Upper
84 100
49 134.2 103.6 155.4
51 34.4 33.8 50.6
86 60.6 49.4 74.0

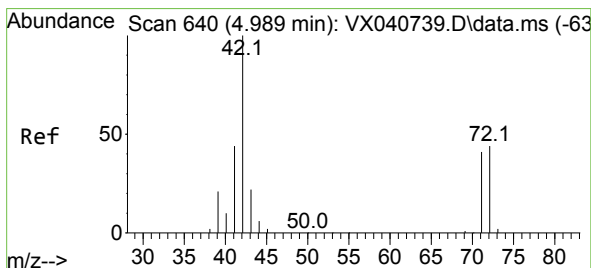
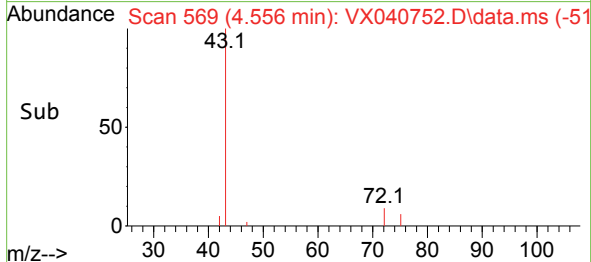
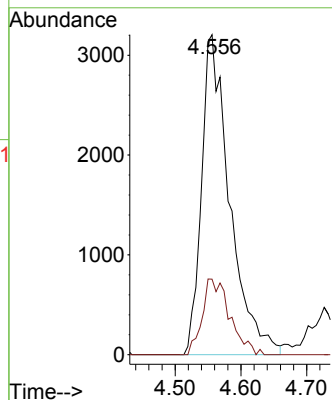
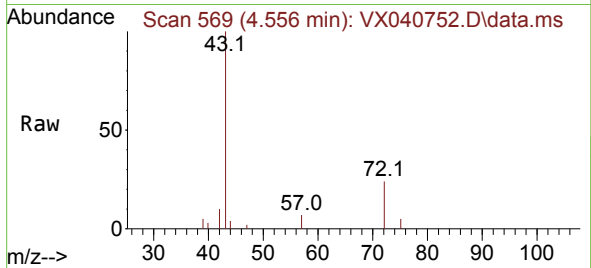




#25
2-Butanone
Concen: 22.472 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.012 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

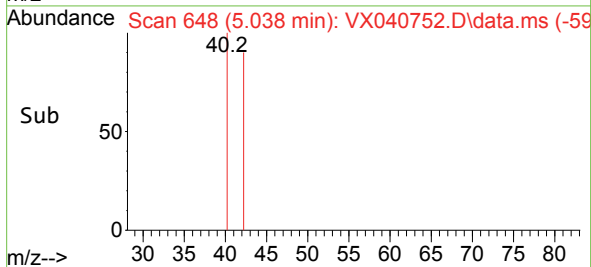
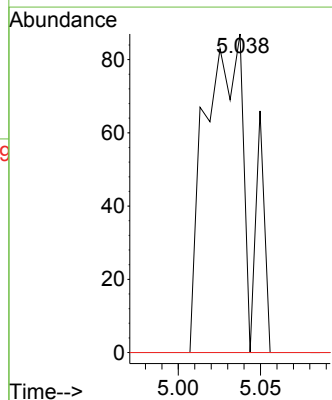
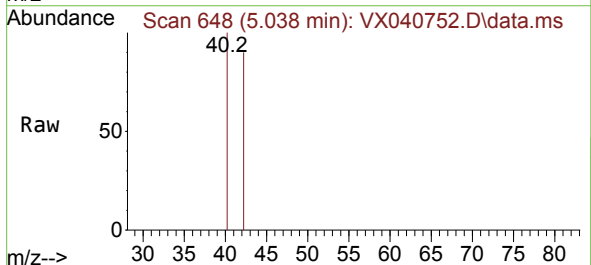
Instrument :
MSVOA_X
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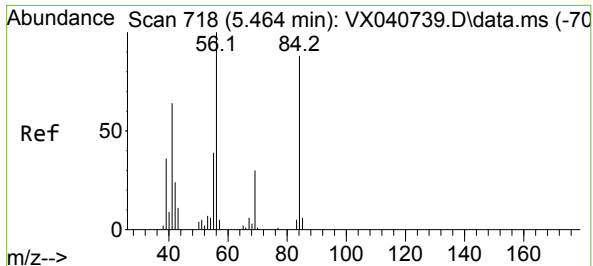
Tgt Ion: 43 Resp: 9542
Ion Ratio Lower Upper
43 100
72 23.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.563 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.049 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

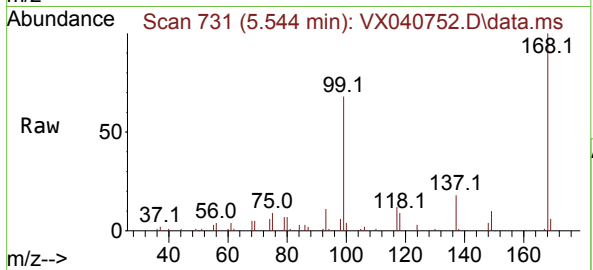
Tgt Ion: 42 Resp: 159
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



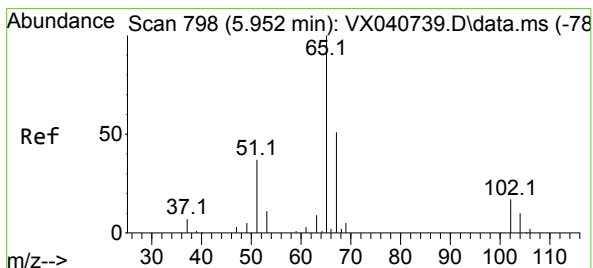
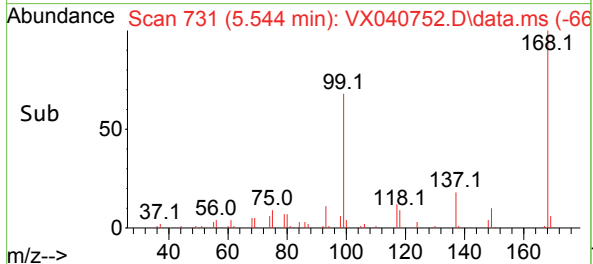
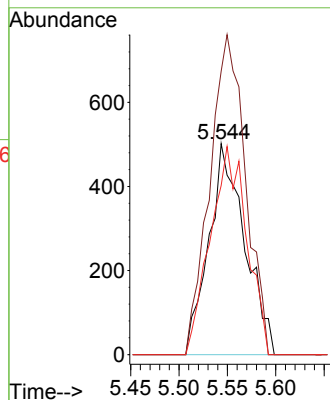


#31
Cyclohexane
Concen: 1.425 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.080 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Instrument :
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ClientSampleId :
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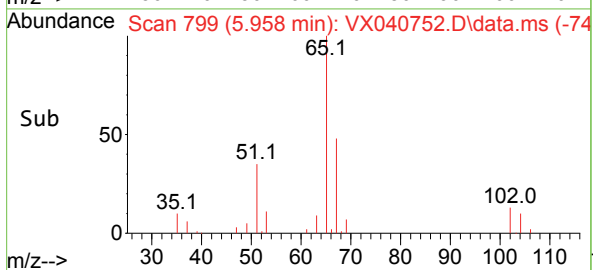
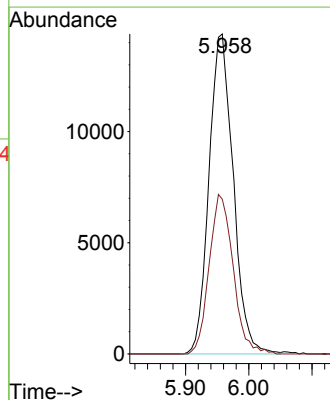
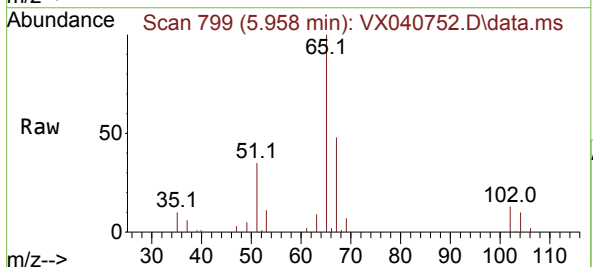


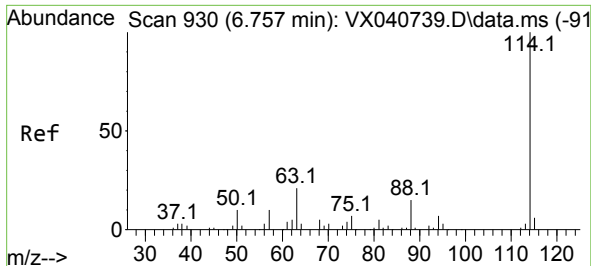
Tgt Ion: 56 Resp: 1296
Ion Ratio Lower Upper
56 100
69 134.3 23.4 35.2#
84 80.1 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 49.929 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion: 65 Resp: 38214
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.2

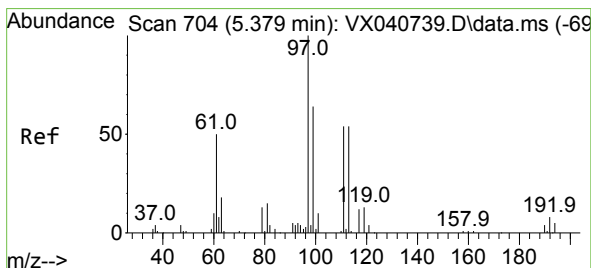
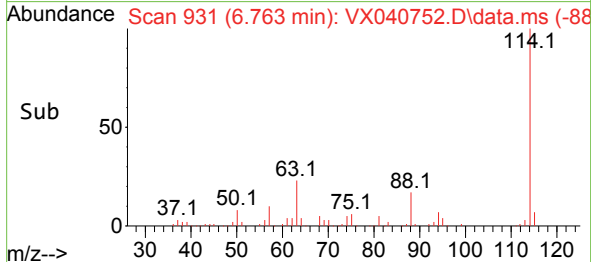
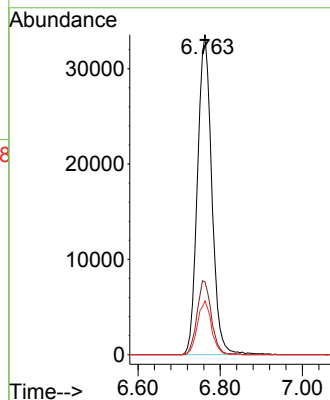
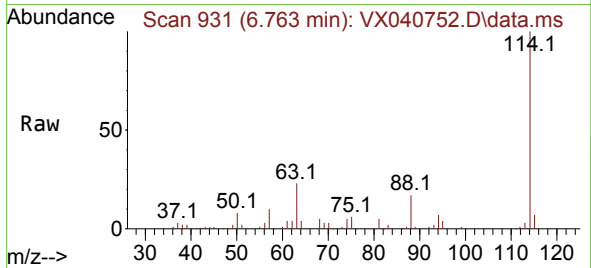




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

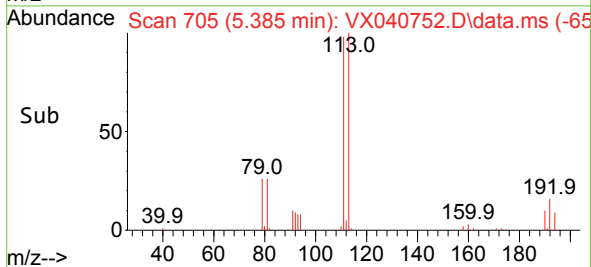
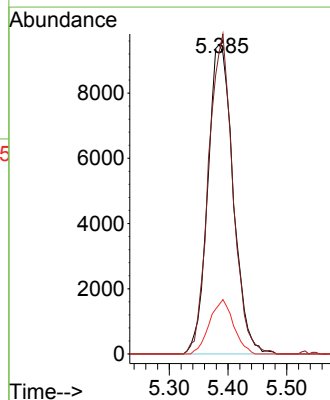
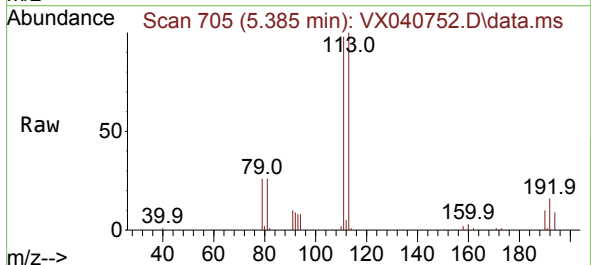
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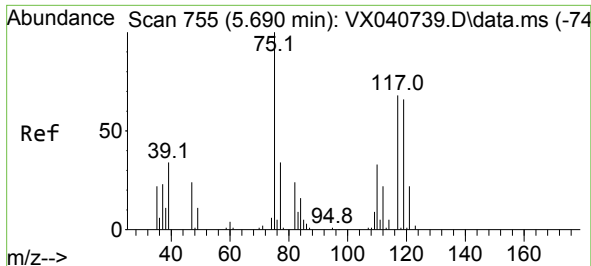
Tgt Ion:	114	Resp:	81052
Ion Ratio	Lower	Upper	
114	100		
63	22.7	0.0	45.0
88	16.8	0.0	36.6



#35
Dibromofluoromethane
Concen: 46.904 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion:	113	Resp:	28446
Ion Ratio	Lower	Upper	
113	100		
111	99.3	82.9	124.3
192	16.6	13.3	19.9

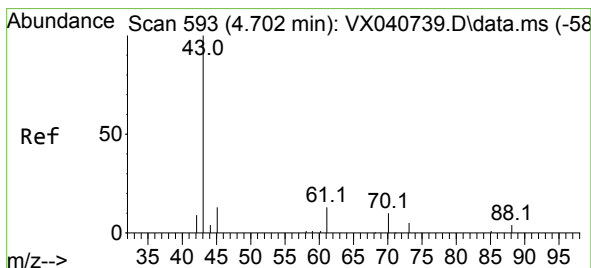
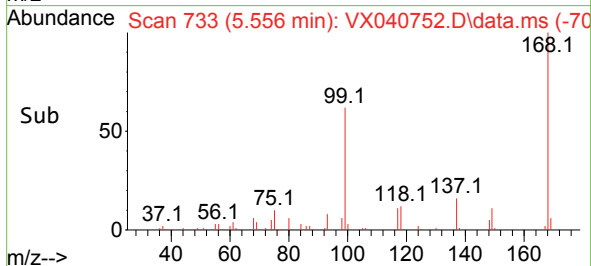
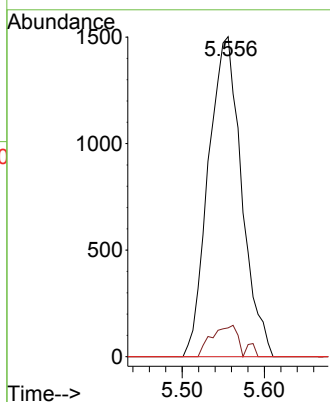
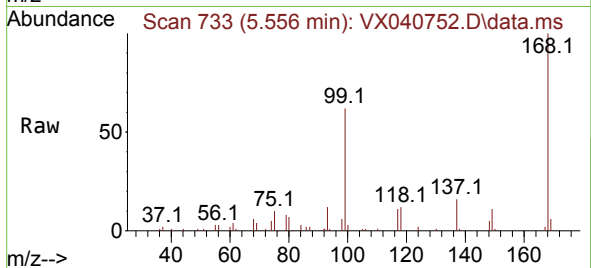




#36
1,1-Dichloropropene
Concen: 4.729 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

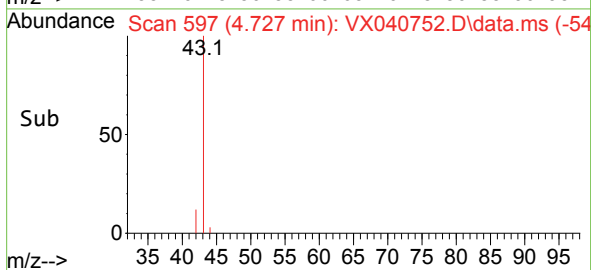
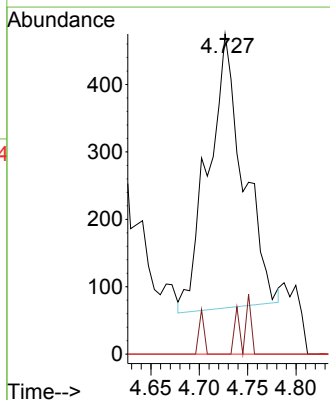
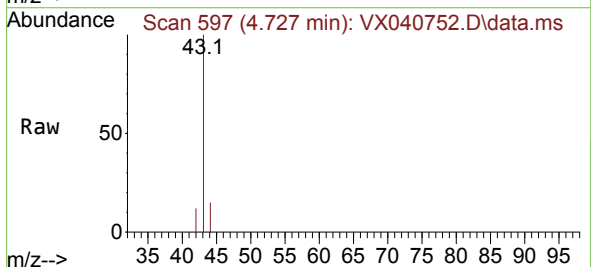
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

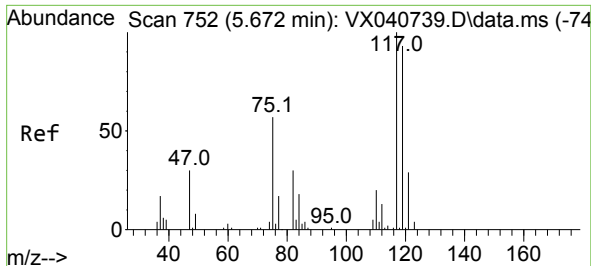
Tgt Ion: 75 Resp: 4223
Ion Ratio Lower Upper
75 100
110 7.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.008 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.024 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

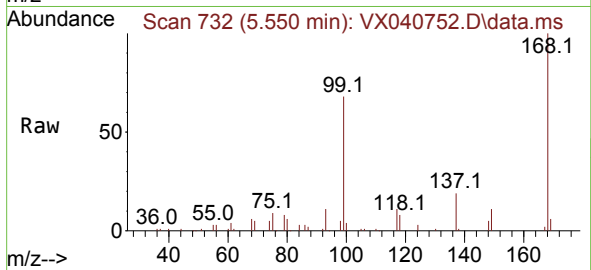
Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
61 2.5 10.6 16.0#
70 0.0 8.3 12.5#



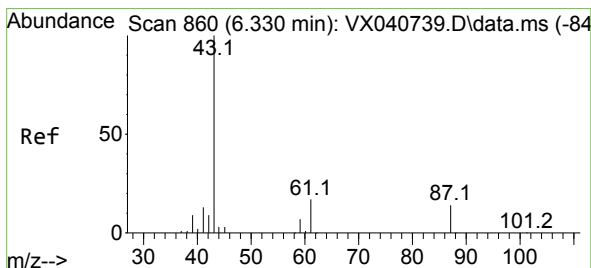
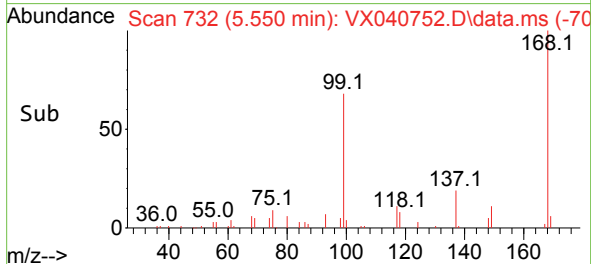
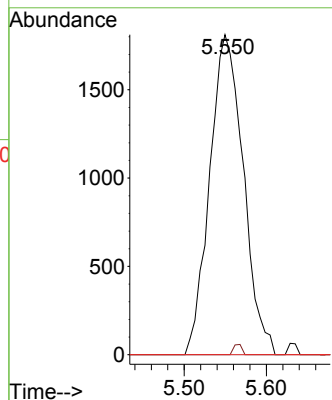


#38
Carbon Tetrachloride
Concen: 5.122 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

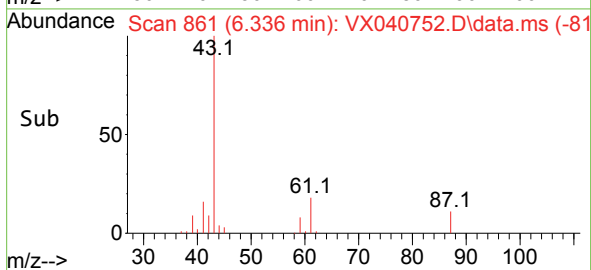
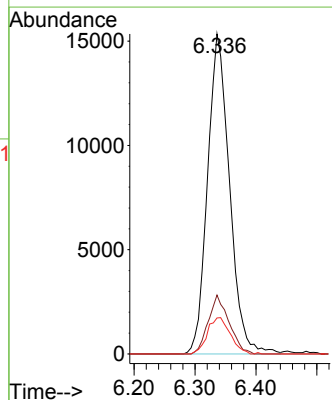
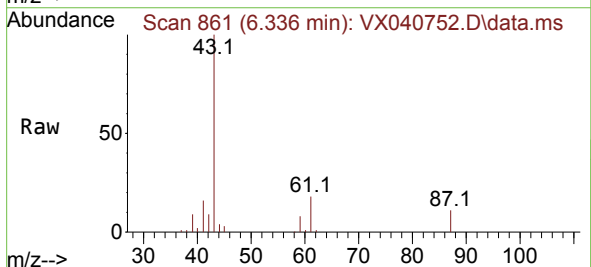


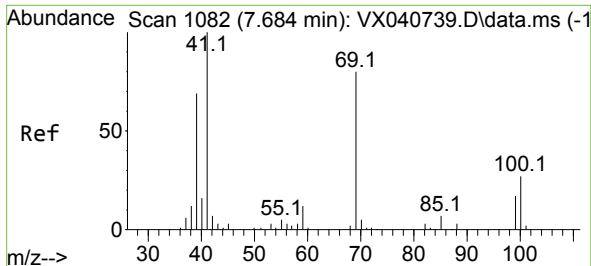
Tgt Ion:117 Resp: 5148
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 24.191 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion: 43 Resp: 38520
Ion Ratio Lower Upper
43 100
61 17.3 15.2 22.8
87 11.8 9.8 14.6

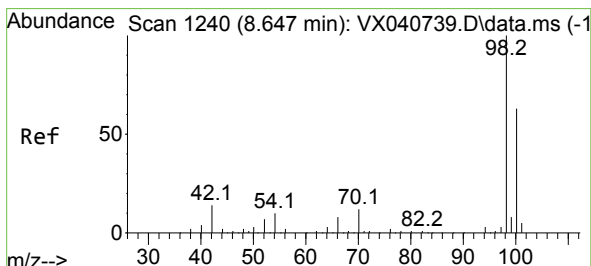
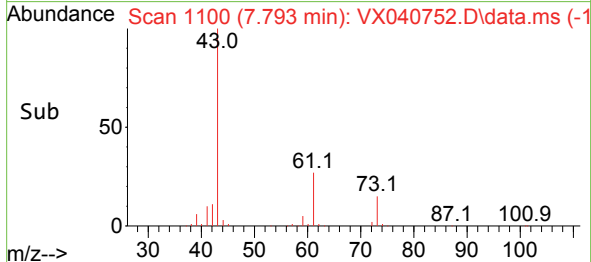
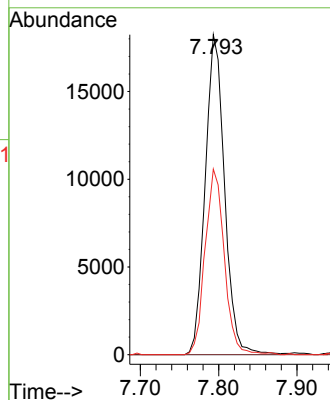
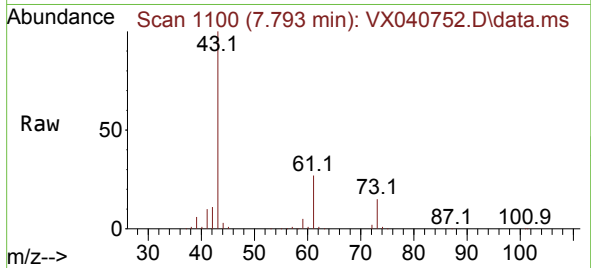




#48
Methyl methacrylate
Concen: 43.030 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

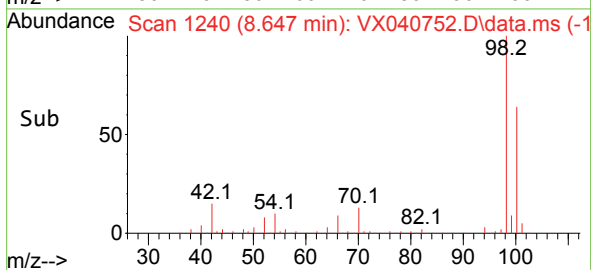
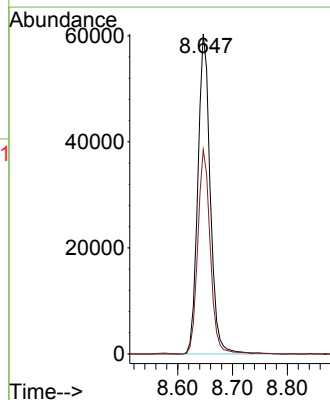
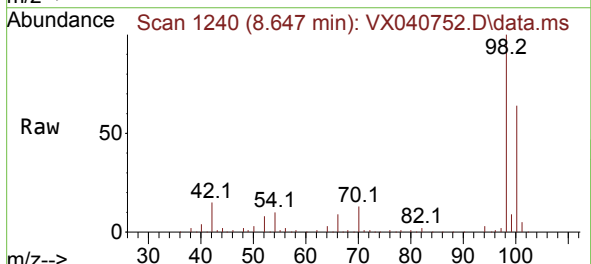
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

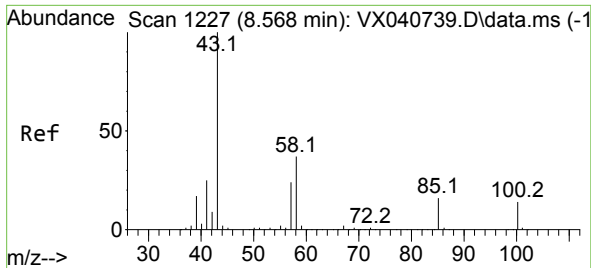
Tgt Ion: 41 Resp: 31316
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.8 47.7 71.5



#50
Toluene-d8
Concen: 45.835 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion: 98 Resp: 95182
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

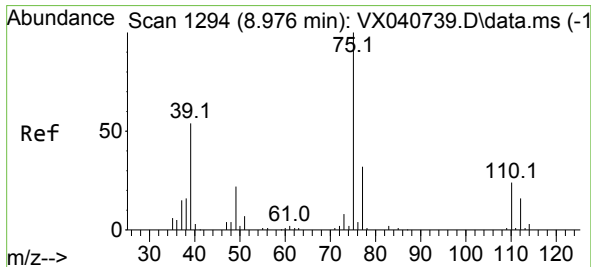
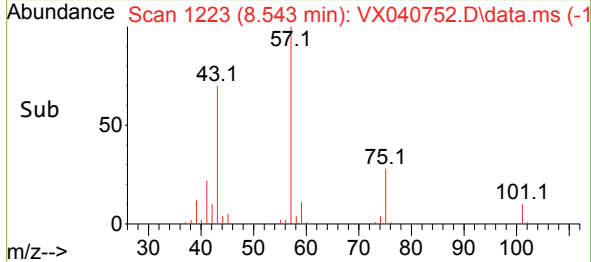
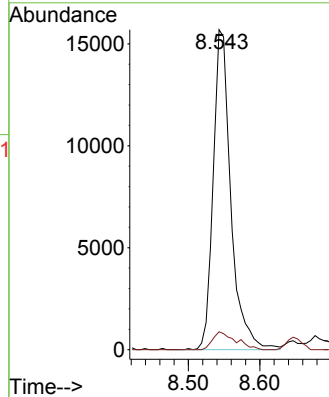
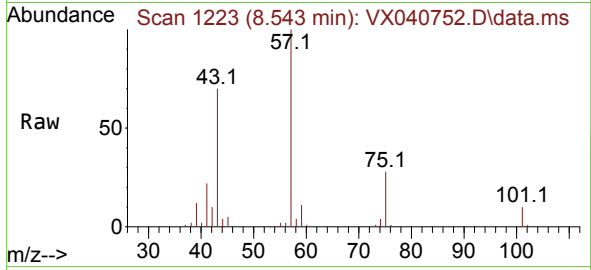




#51
4-Methyl-2-Pentanone
Concen: 27.237 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

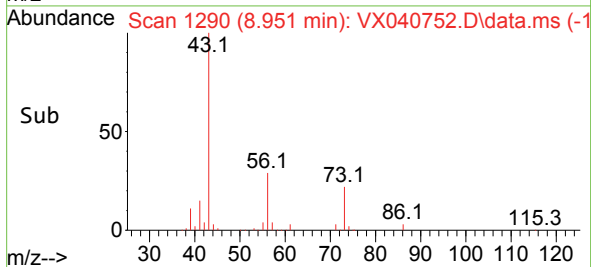
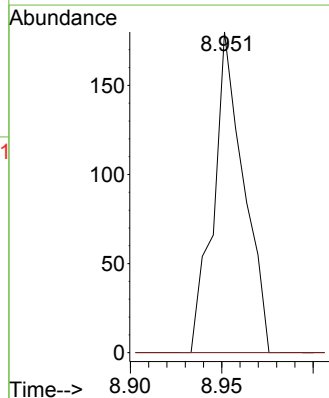
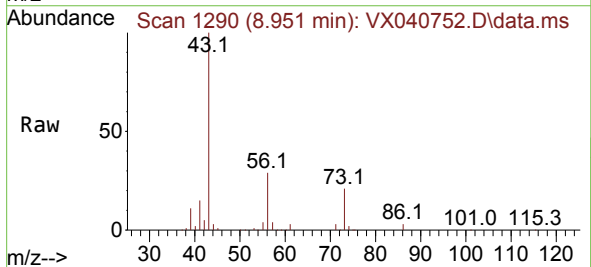
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

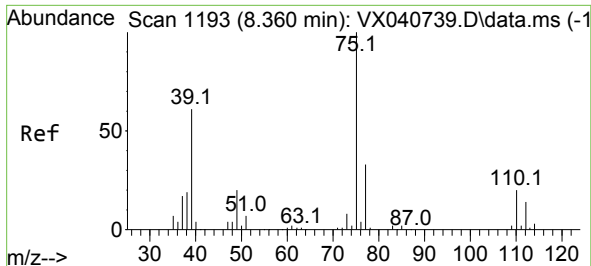
Tgt Ion: 43 Resp: 26896
Ion Ratio Lower Upper
43 100
58 7.3 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.214 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion: 75 Resp: 207
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

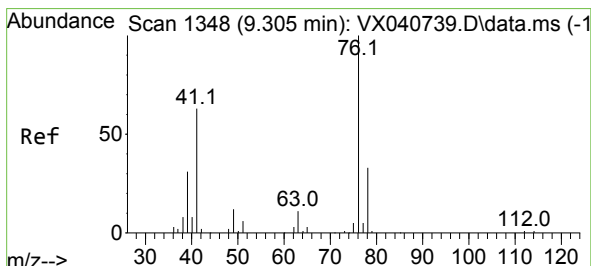
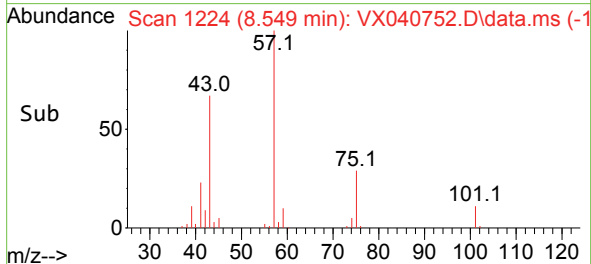
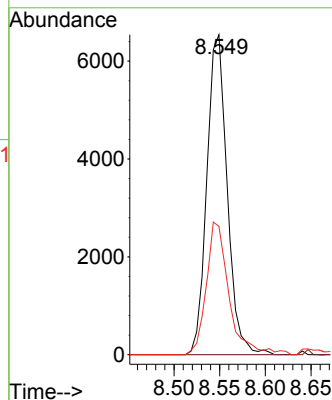
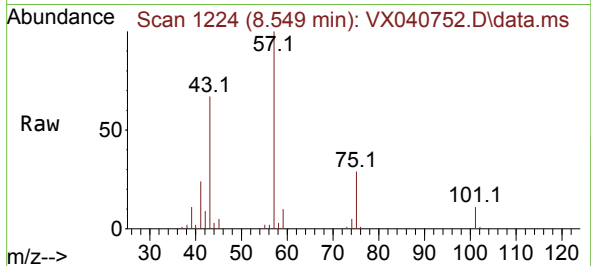




#54
 cis-1,3-Dichloropropene
 Concen: 10.084 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX040752.D
 Acq: 21 Mar 2024 18:55

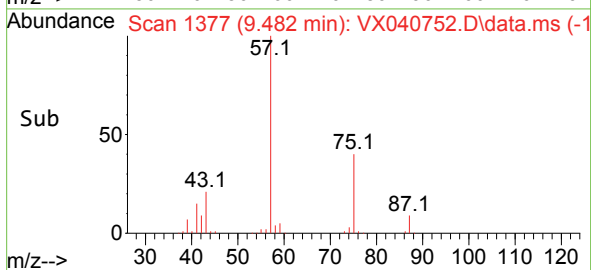
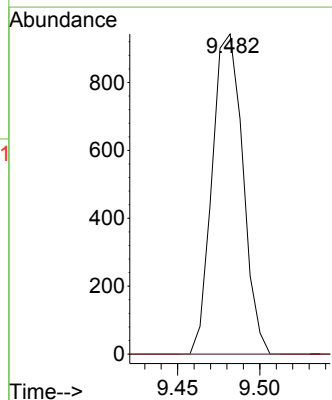
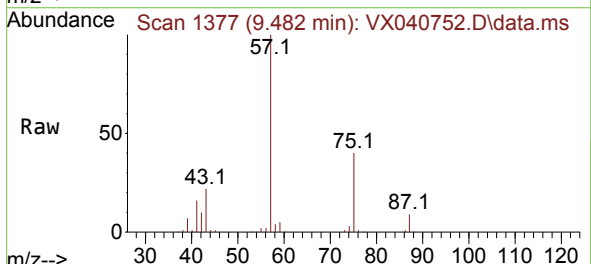
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#03

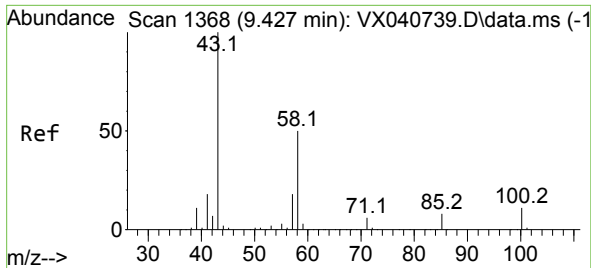
Tgt Ion: 75 Resp: 10101
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 40.1 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.198 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX040752.D
 Acq: 21 Mar 2024 18:55

Tgt Ion: 76 Resp: 1224
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

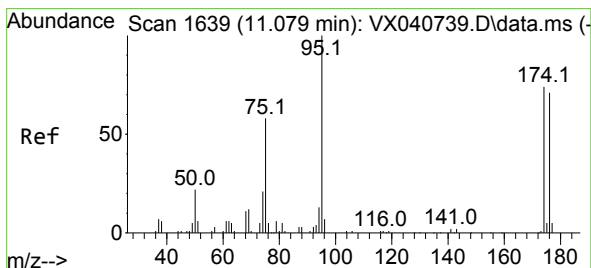
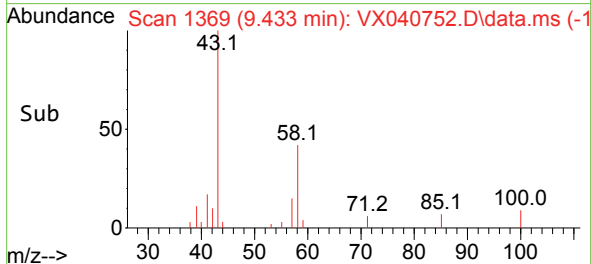
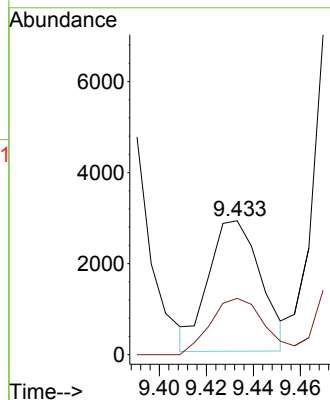
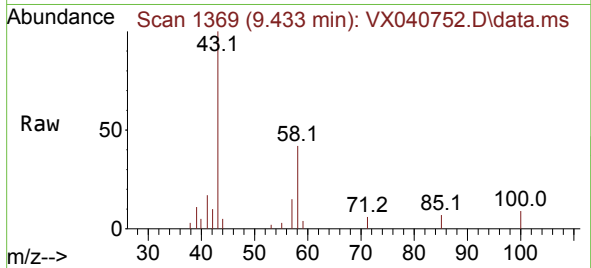




#59
2-Hexanone
Concen: 5.793 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

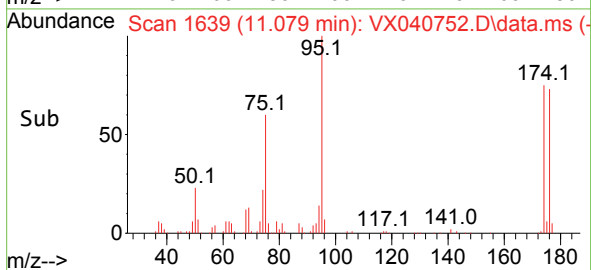
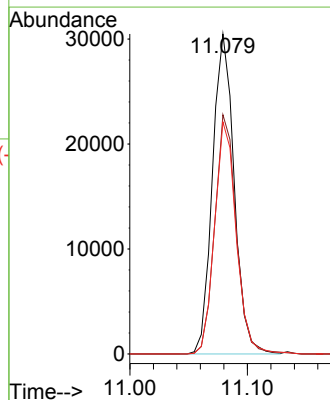
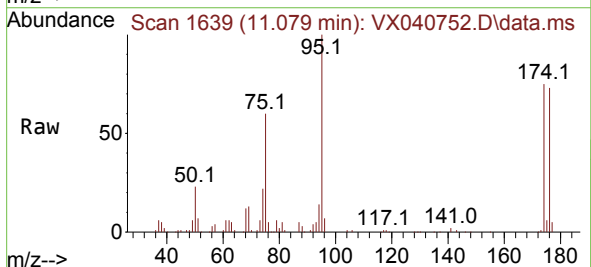
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

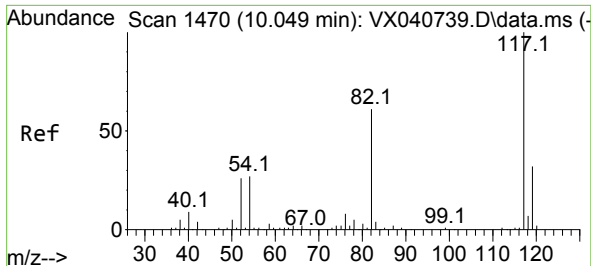
Tgt Ion: 43 Resp: 4431
Ion Ratio Lower Upper
43 100
58 45.0 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 47.704 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion: 95 Resp: 39139
Ion Ratio Lower Upper
95 100
174 74.1 0.0 135.6
176 72.4 0.0 131.0

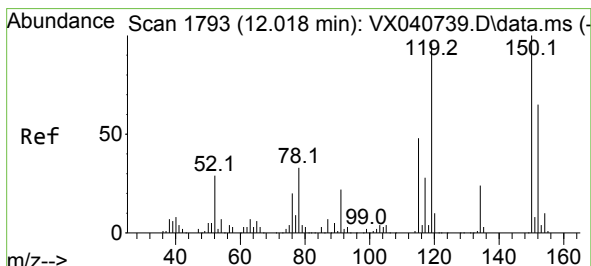
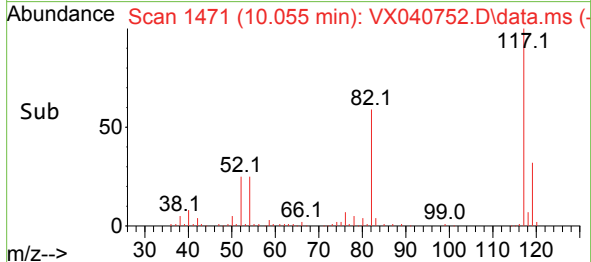
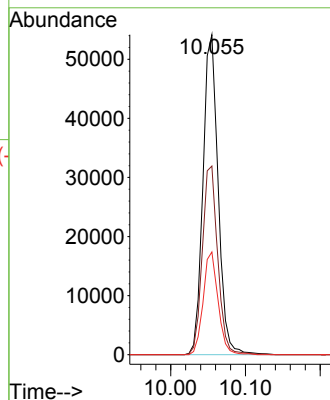
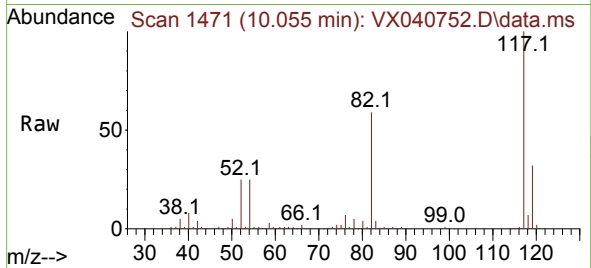




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

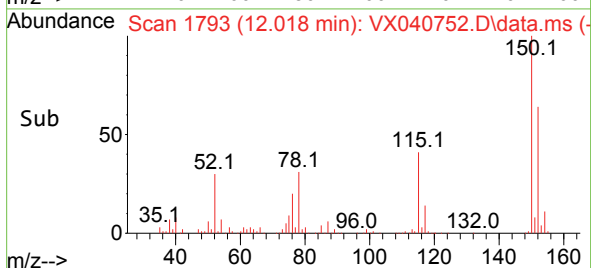
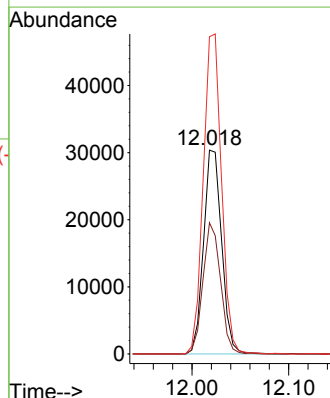
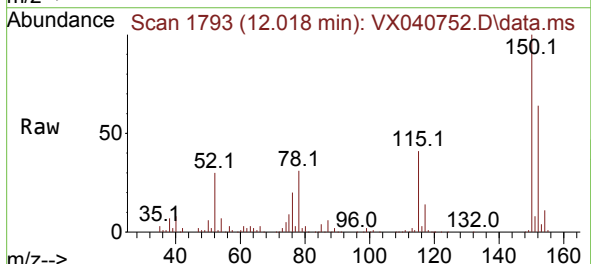
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#03

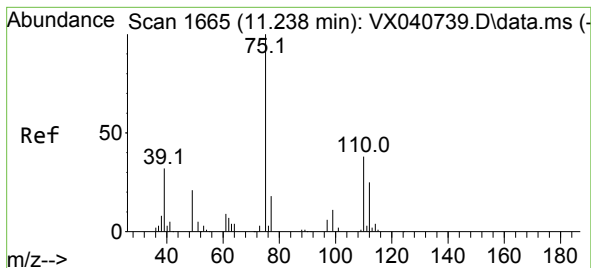
Tgt Ion:117 Resp: 76362
Ion Ratio Lower Upper
117 100
82 59.0 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX040752.D
Acq: 21 Mar 2024 18:55

Tgt Ion:152 Resp: 39676
Ion Ratio Lower Upper
152 100
115 62.4 43.3 129.9
150 157.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.460 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040752.D

Acq: 21 Mar 2024 18:55

Instrument :

MSVOA_X

ClientSampleId :

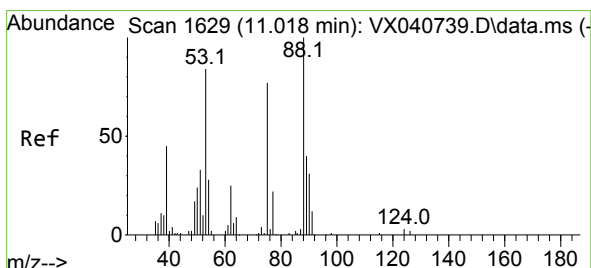
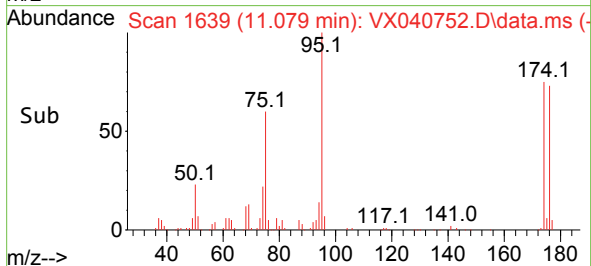
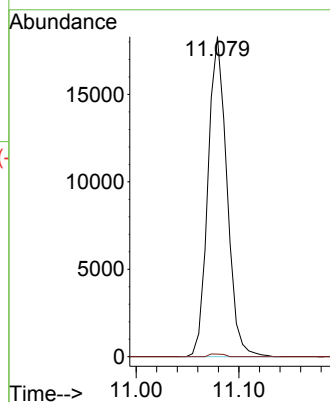
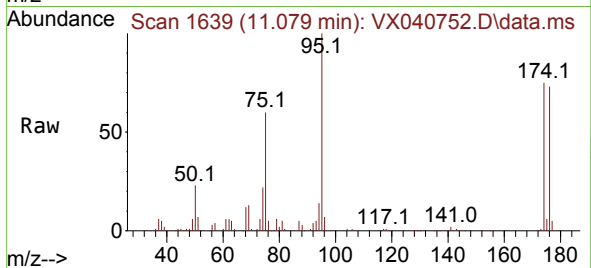
PB159677ZHE#03

Tgt Ion: 75 Resp: 23432

Ion Ratio Lower Upper

75 100

77 0.7 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.467 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040752.D

Acq: 21 Mar 2024 18:55

Tgt Ion: 75 Resp: 23432

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

