

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040751.D
 Acq On : 21 Mar 2024 18:32
 Operator : JC/MD
 Sample : PB159677ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#02

Quant Time: Mar 22 02:59:16 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)

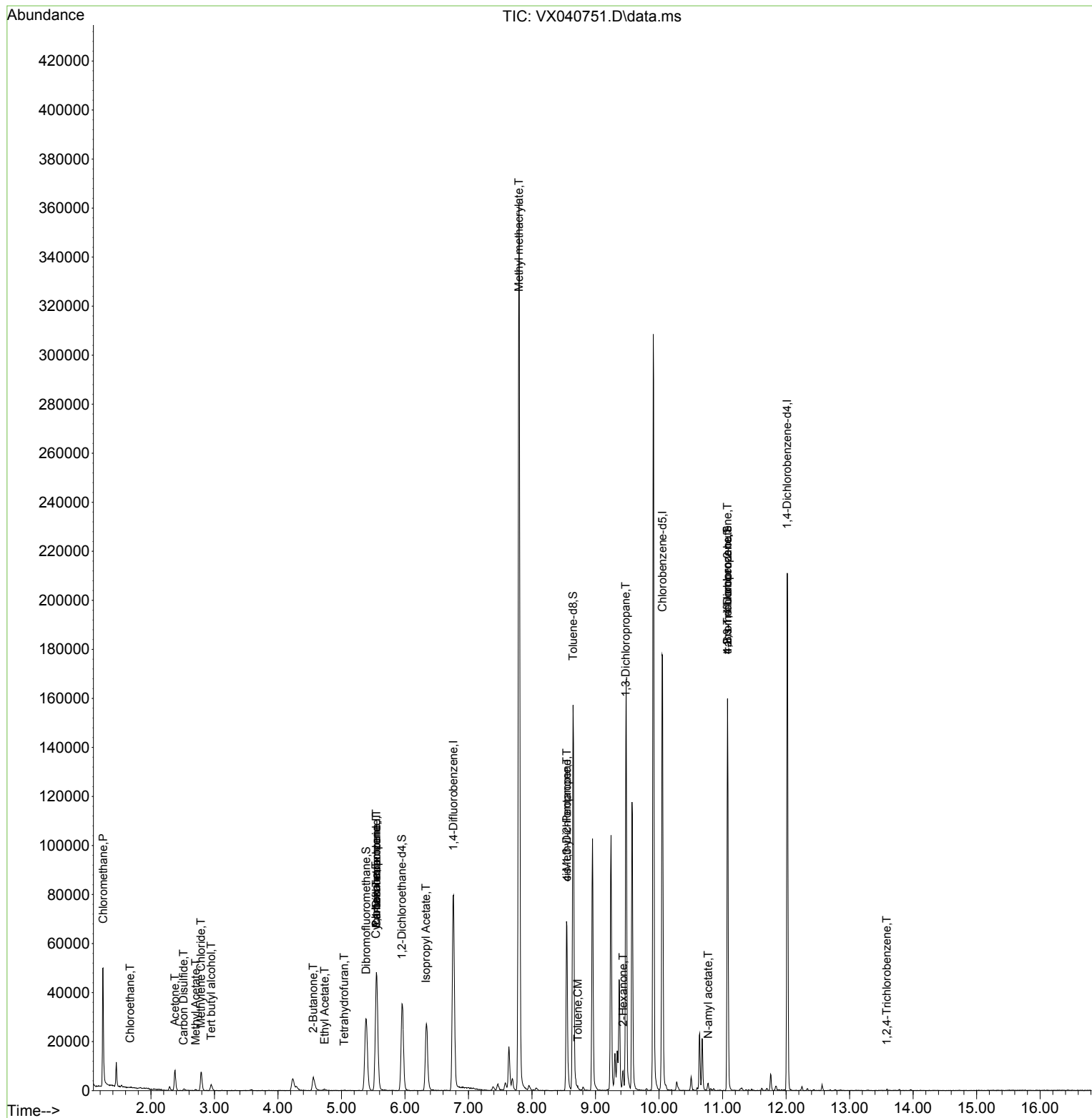
Internal Standards						
1) Pentafluorobenzene	5.550	168	42527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	76547	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	75356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	39533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	35749	49.994	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.980%
35) Dibromofluoromethane	5.385	113	25985	45.367	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.740%
50) Toluene-d8	8.647	98	92219	47.022	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.040%
62) 4-Bromofluorobenzene	11.079	95	40007	51.632	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.260%
Target Compounds						
					Qvalue	
3) Chloromethane	1.246	50	955	1.697	ug/l #	43
6) Chloroethane	1.672	64	135	0.360	ug/l #	43
11) Tert butyl alcohol	2.946	59	2627	22.942	ug/l	98
16) Acetone	2.380	43	8545	33.737	ug/l	98
17) Carbon Disulfide	2.514	76	380	0.263	ug/l #	76
18) Methyl Acetate	2.703	43	431	0.635	ug/l #	88
20) Methylene Chloride	2.788	84	3290	5.942	ug/l #	97
25) 2-Butanone	4.556	43	9723	24.509	ug/l	94
29) Tetrahydrofuran	5.044	42	193	0.731	ug/l #	34
31) Cyclohexane	5.544	56	1179	1.388	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	3845	4.559	ug/l #	48
37) Ethyl Acetate	4.733	43	1353	1.413	ug/l #	74
38) Carbon Tetrachloride	5.550	117	4656	4.905	ug/l #	15
43) Isopropyl Acetate	6.330	43	39648	26.365	ug/l	95
48) Methyl methacrylate	7.793	41	34336	49.956	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	27058	29.014	ug/l #	49
52) Toluene	8.720	92	300	0.216	ug/l	97
54) cis-1,3-Dichloropropene	8.549	75	10989	11.617	ug/l #	62
57) 1,3-Dichloropropane	9.476	76	1246	1.291	ug/l #	42
59) 2-Hexanone	9.433	43	4957	6.862	ug/l	90
74) N-amyl acetate	10.774	43	1766	1.196	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	23357	27.471	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23357	69.495	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	241	0.249	ug/l #	73

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

Quant Time: Mar 22 02:59:16 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

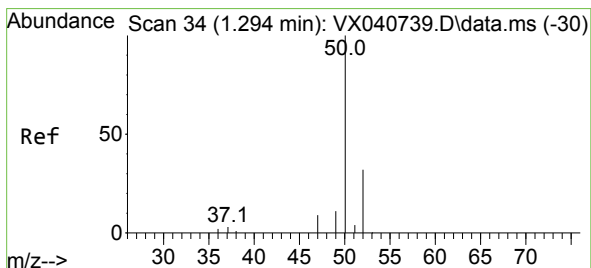
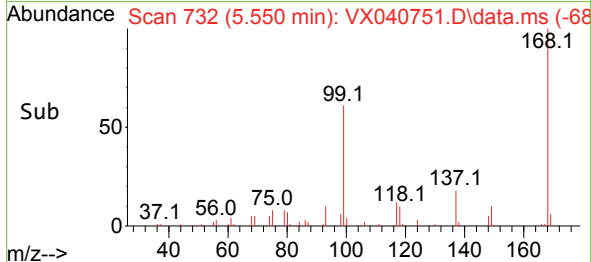
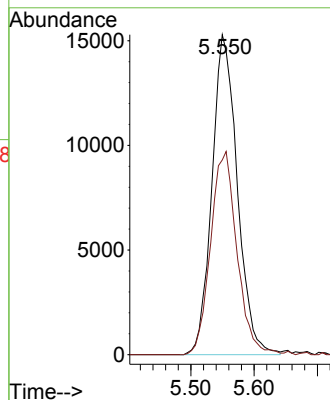
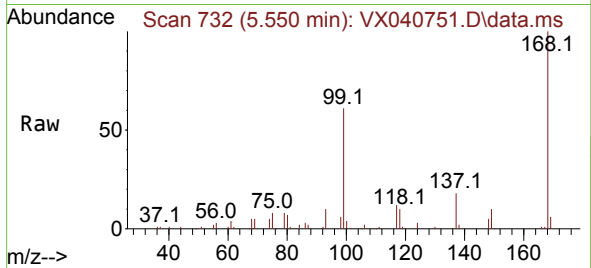




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

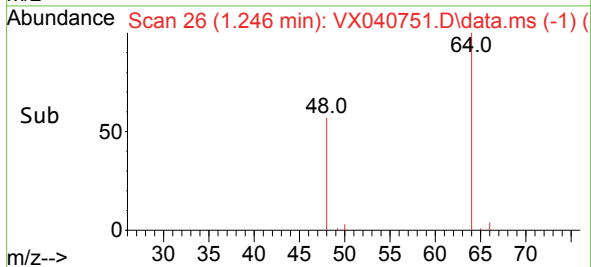
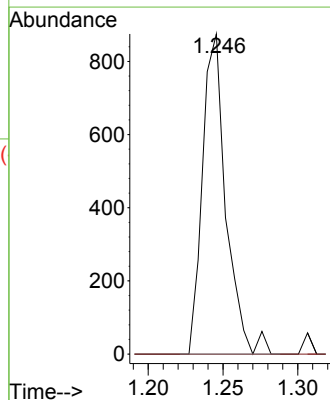
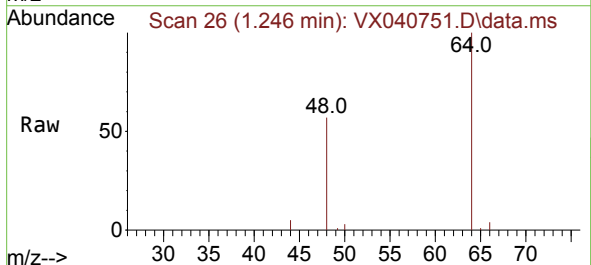
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

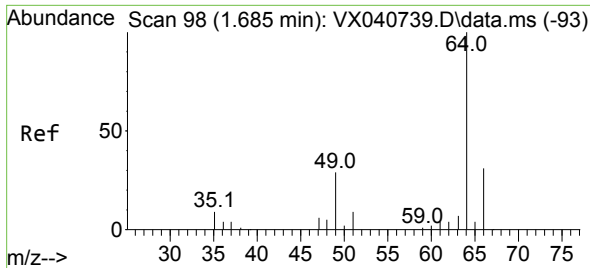
Tgt Ion:168 Resp: 42527
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#3
Chloromethane
Concen: 1.697 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.048 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 50 Resp: 955
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

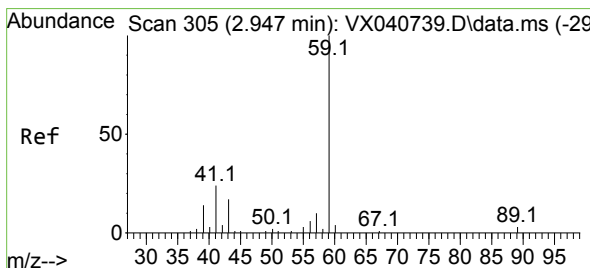
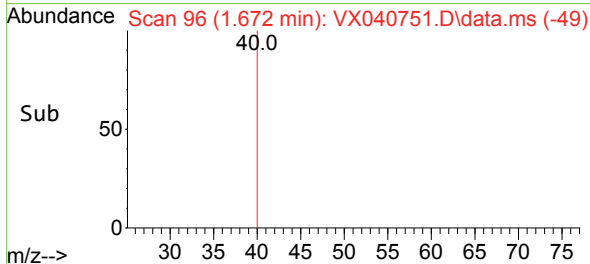
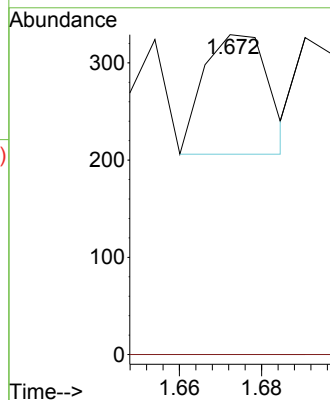
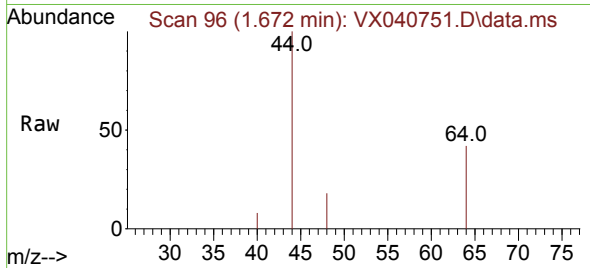




#6
Chloroethane
Concen: 0.360 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.013 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

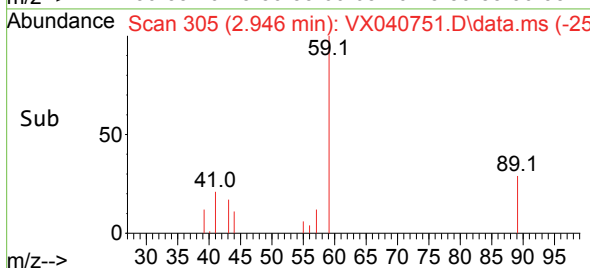
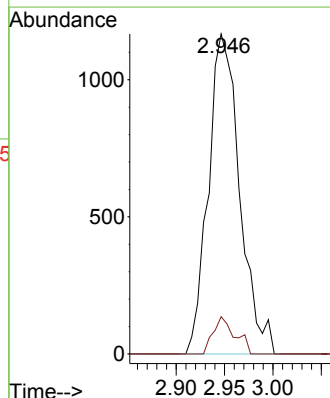
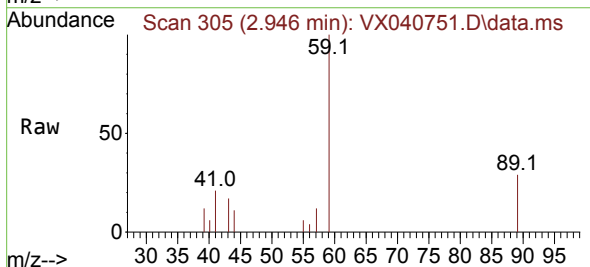
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

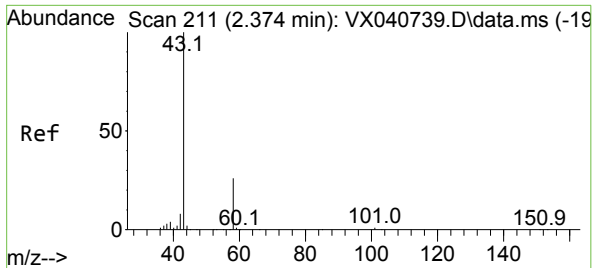
Tgt Ion: 64 Resp: 135
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 22.942 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.001 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 59 Resp: 2627
Ion Ratio Lower Upper
59 100
57 8.1 6.0 9.0

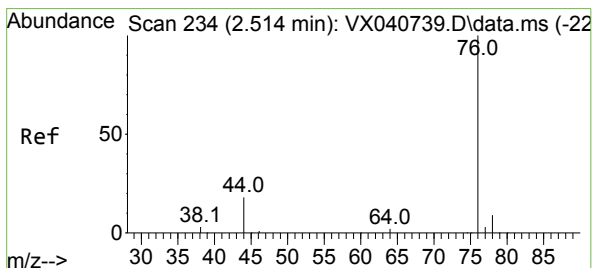
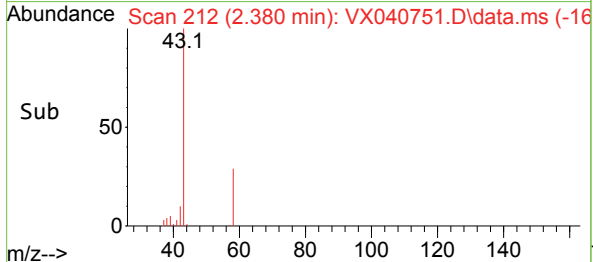
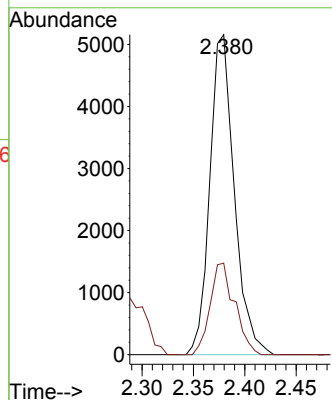
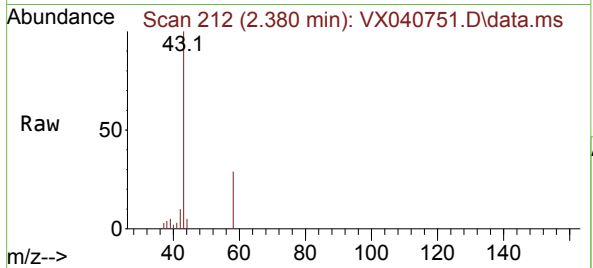




#16
Acetone
Concen: 33.737 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

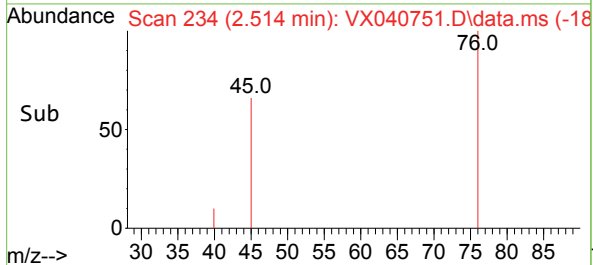
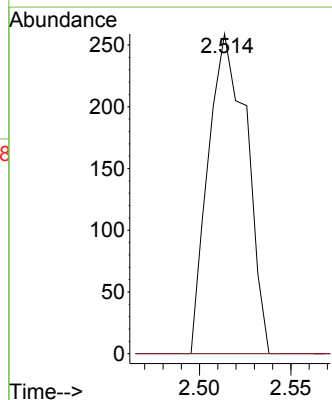
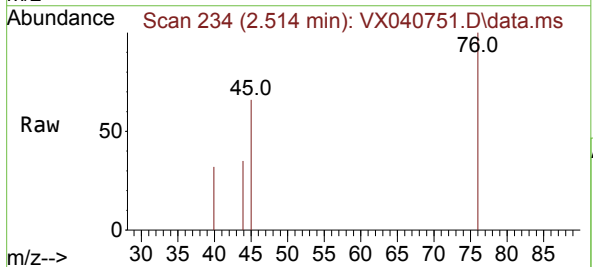
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

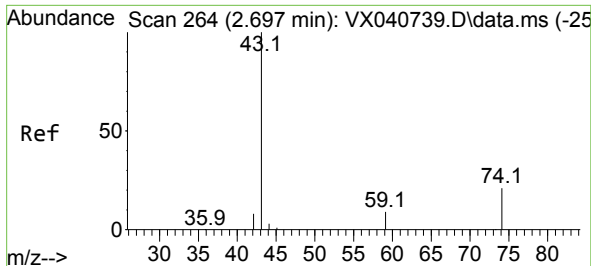
Tgt Ion: 43 Resp: 8545
Ion Ratio Lower Upper
43 100
58 28.6 21.9 32.9



#17
Carbon Disulfide
Concen: 0.263 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 76 Resp: 380
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

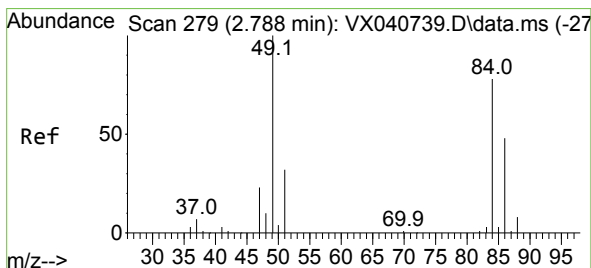
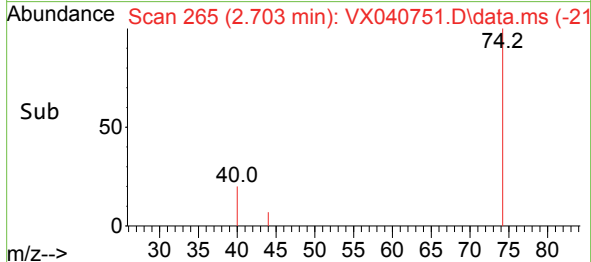
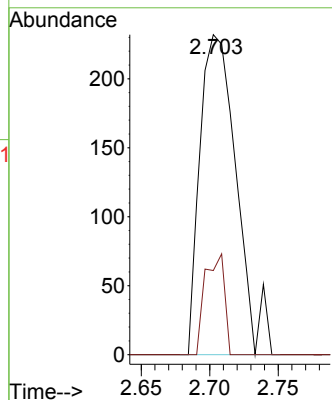
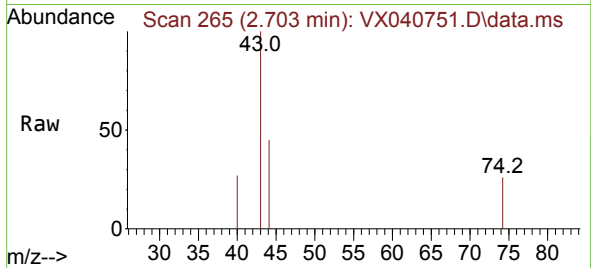




#18
Methyl Acetate
Concen: 0.635 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

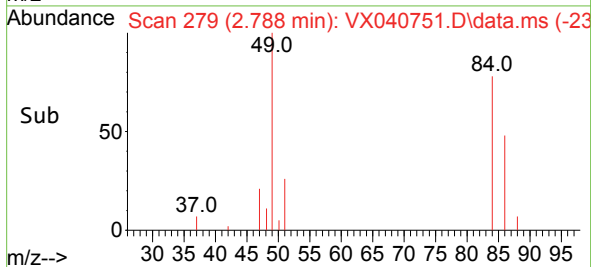
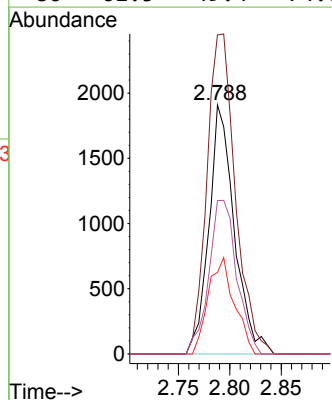
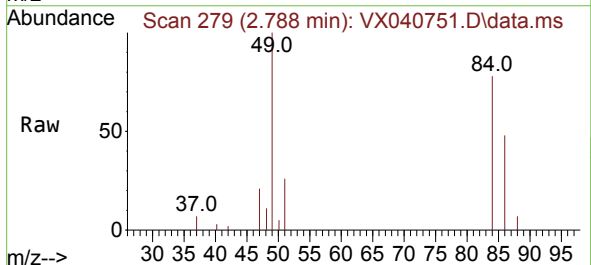
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

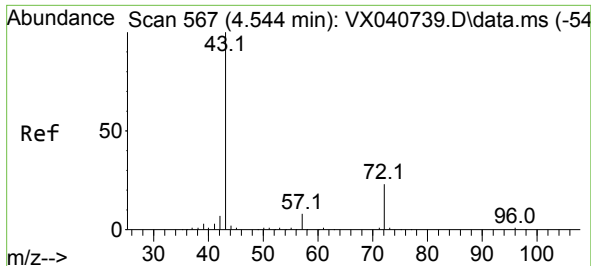
Tgt Ion: 43 Resp: 431
Ion Ratio Lower Upper
43 100
74 16.7 17.8 26.8#



#20
Methylene Chloride
Concen: 5.942 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 84 Resp: 3290
Ion Ratio Lower Upper
84 100
49 128.0 103.6 155.4
51 32.7 33.8 50.6#
86 61.5 49.4 74.0





#25

2-Butanone

Concen: 24.509 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX040751.D

Acq: 21 Mar 2024 18:32

Instrument :

MSVOA_X

ClientSampleId :

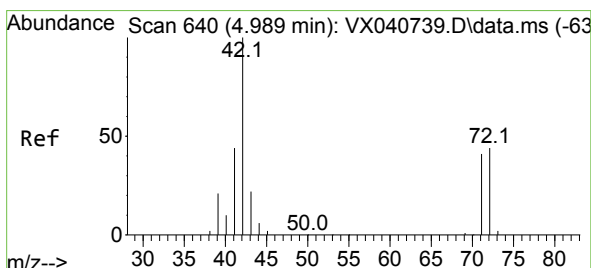
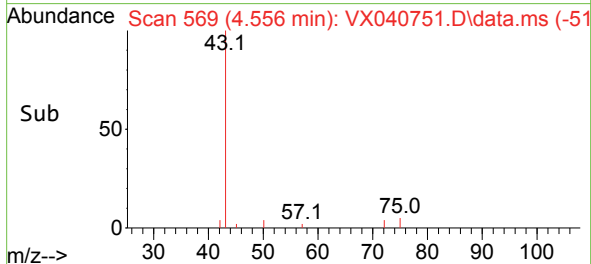
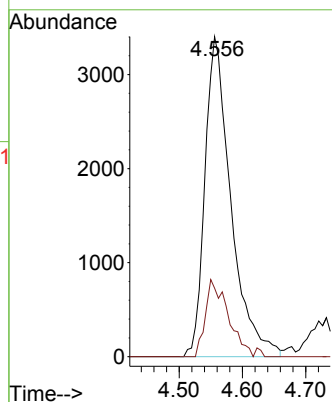
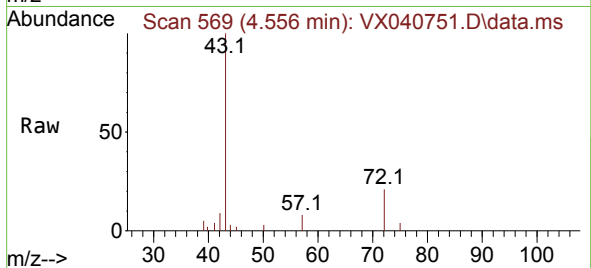
PB159677ZHE#02

Tgt Ion: 43 Resp: 9723

Ion Ratio Lower Upper

43 100

72 21.4 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.731 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.055 min

Lab File: VX040751.D

Acq: 21 Mar 2024 18:32

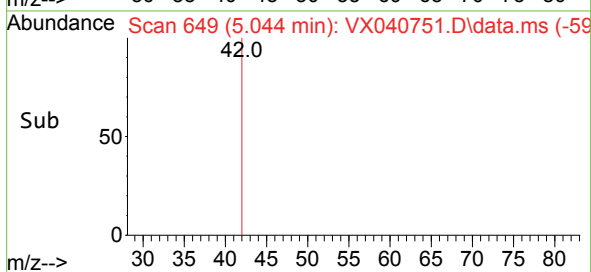
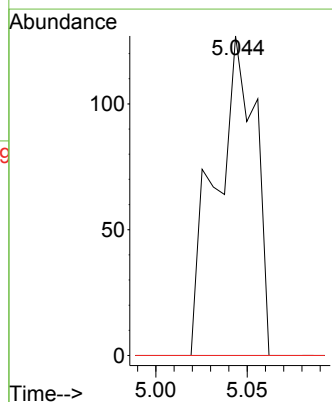
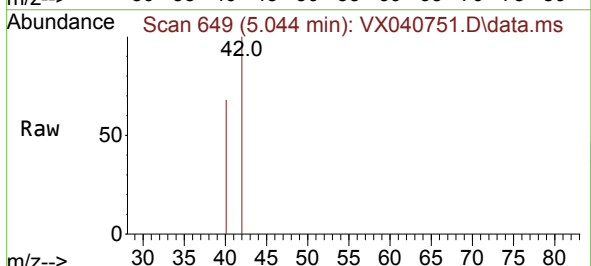
Tgt Ion: 42 Resp: 193

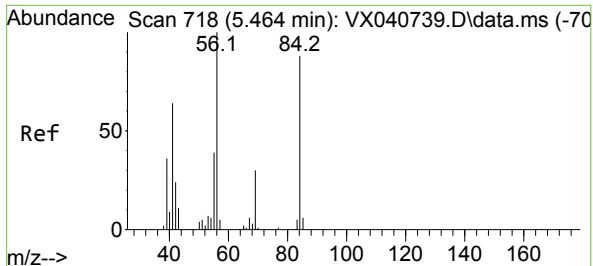
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

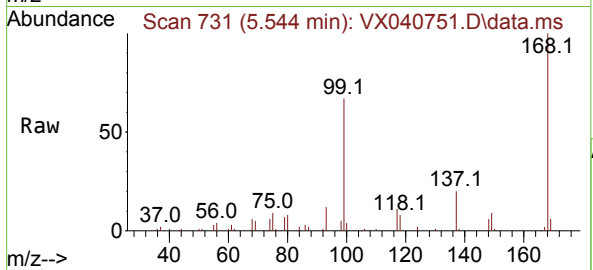
71 0.0 32.2 48.2#



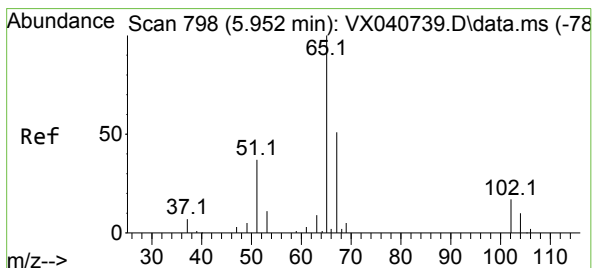
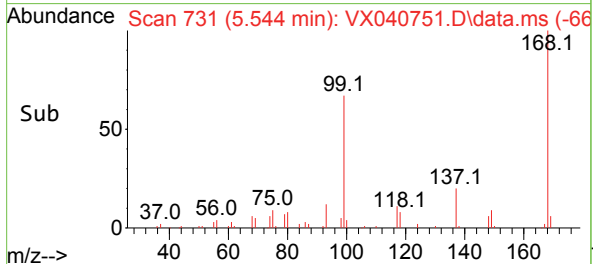
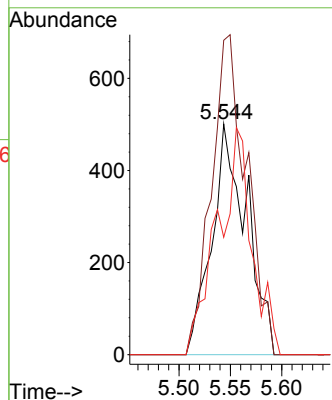


#31
Cyclohexane
Concen: 1.388 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.080 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Instrument :
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ClientSampleId :
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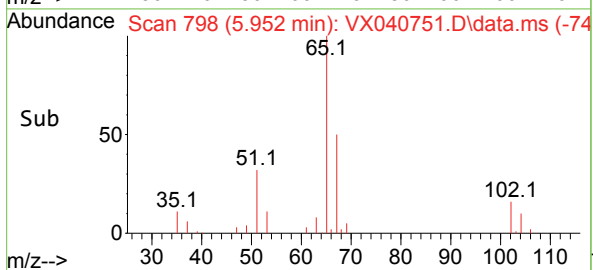
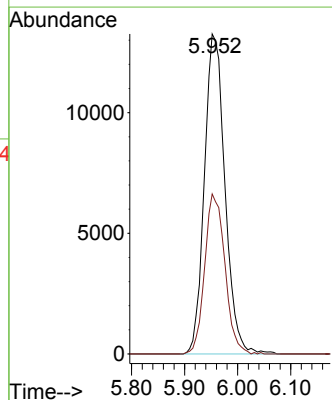
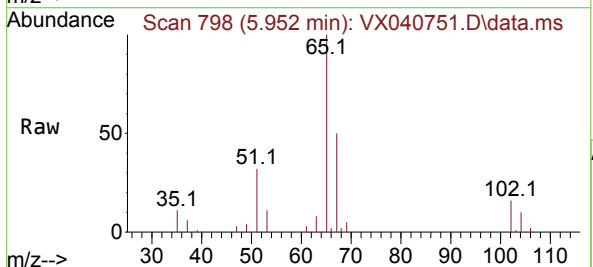


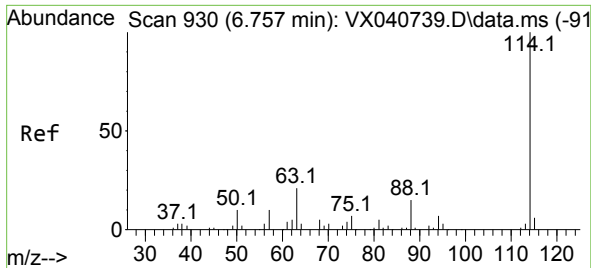
Tgt Ion: 56 Resp: 1179
Ion Ratio Lower Upper
56 100
69 136.3 23.4 35.2#
84 50.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.994 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 65 Resp: 35749
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.2

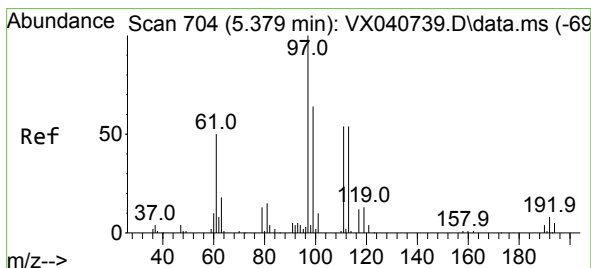
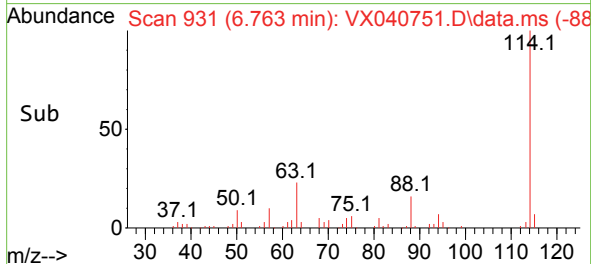
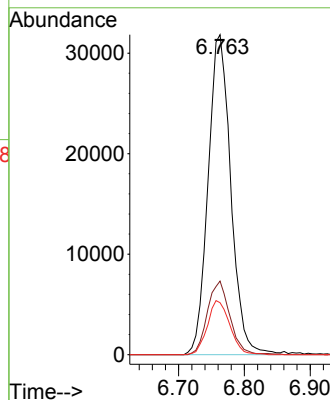
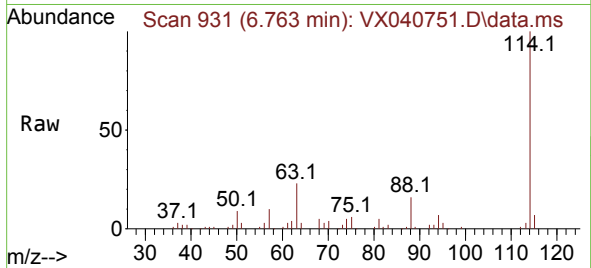




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

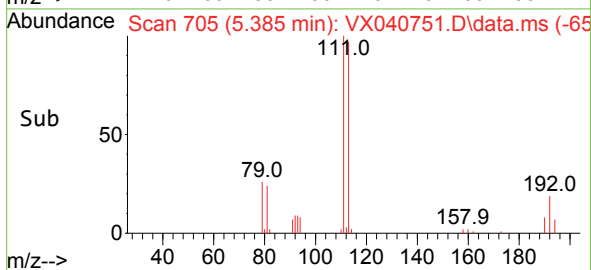
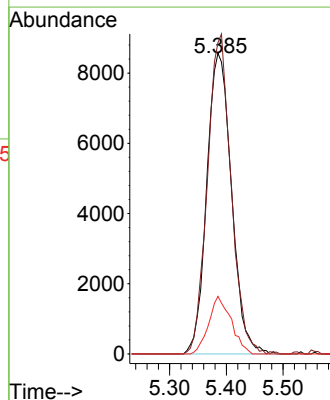
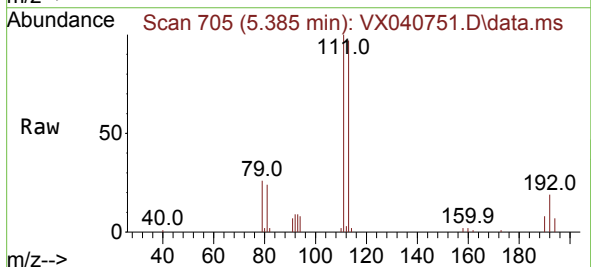
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

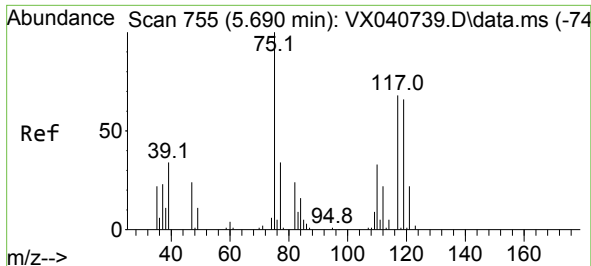
Tgt Ion:114	Resp:	76547
Ion	Ratio	Lower Upper
114	100	
63	23.0	0.0 45.0
88	16.3	0.0 36.6



#35
Dibromofluoromethane
Concen: 45.367 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

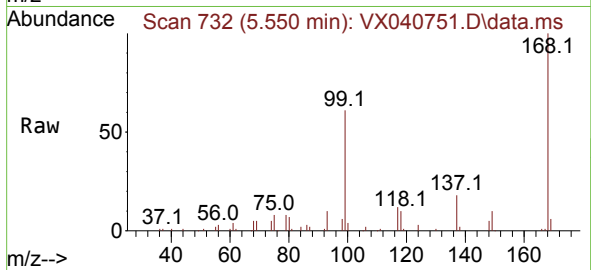
Tgt Ion:113	Resp:	25985
Ion	Ratio	Lower Upper
113	100	
111	101.6	82.9 124.3
192	17.4	13.3 19.9



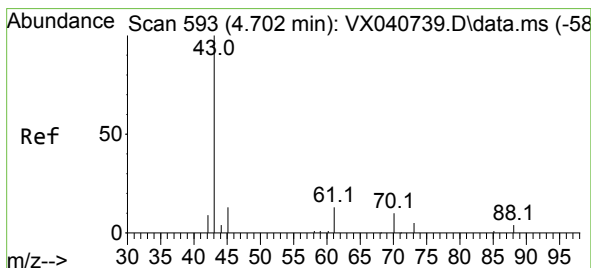
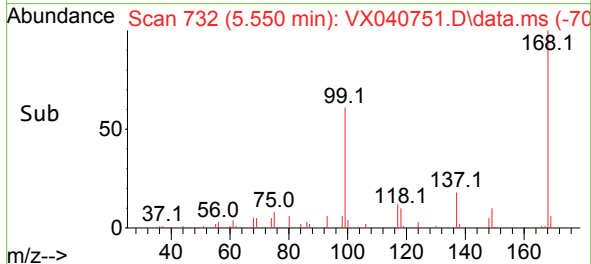
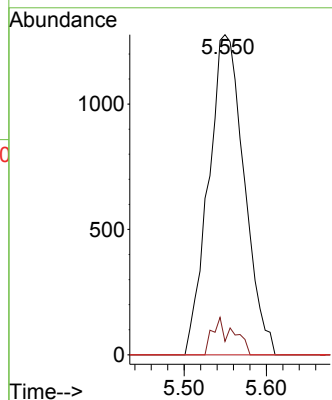


#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

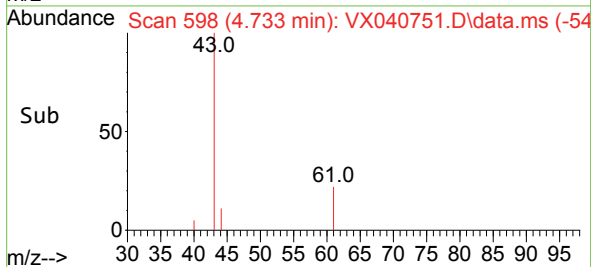
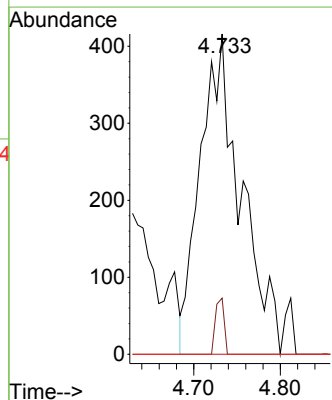
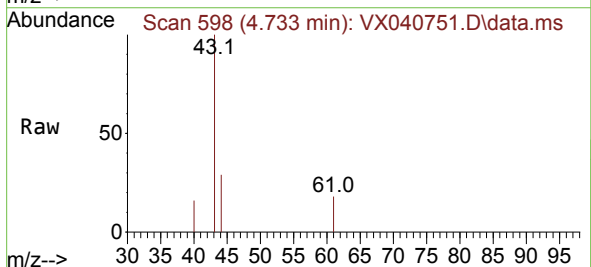


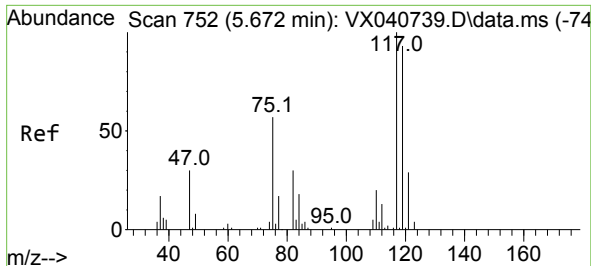
Tgt Ion: 75 Resp: 3845
Ion Ratio Lower Upper
75 100
110 6.8 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.413 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.030 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

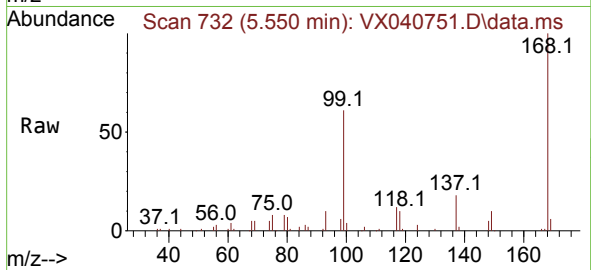
Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
61 3.7 10.6 16.0#
70 0.0 8.3 12.5#



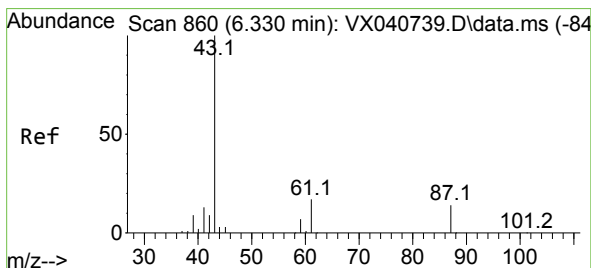
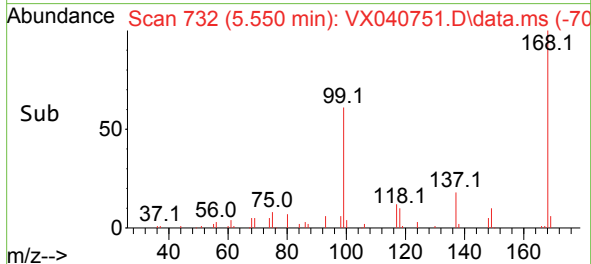
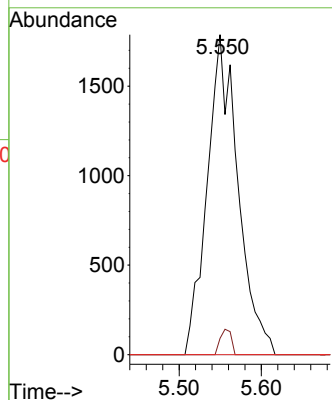


#38
Carbon Tetrachloride
Concen: 4.905 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

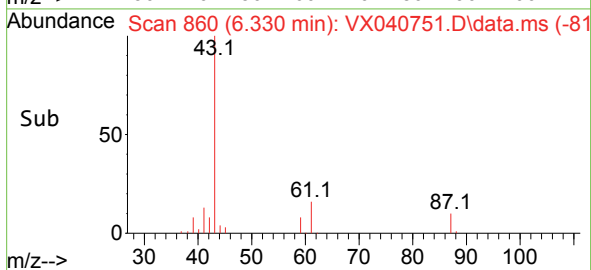
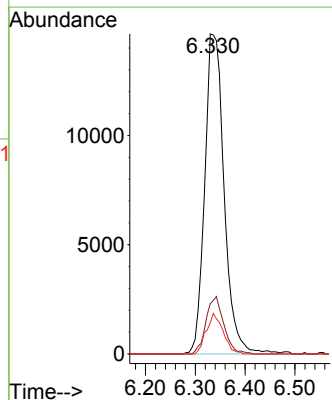
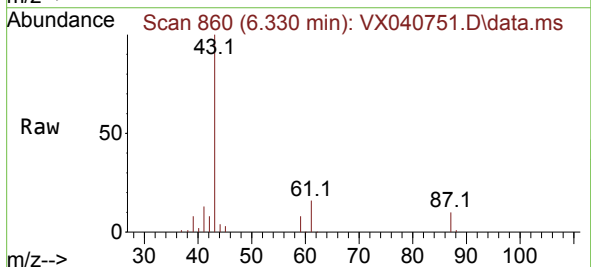


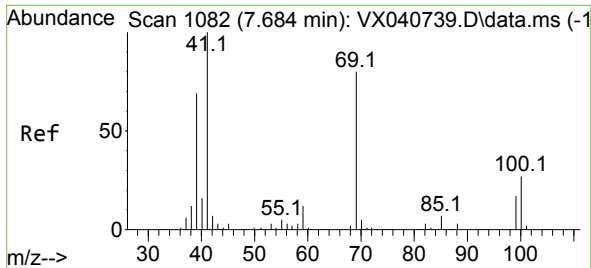
Tgt Ion:117 Resp: 4656
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.365 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.000 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 43 Resp: 39648
Ion Ratio Lower Upper
43 100
61 16.4 15.2 22.8
87 10.9 9.8 14.6

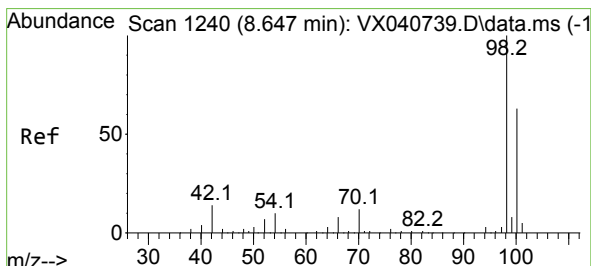
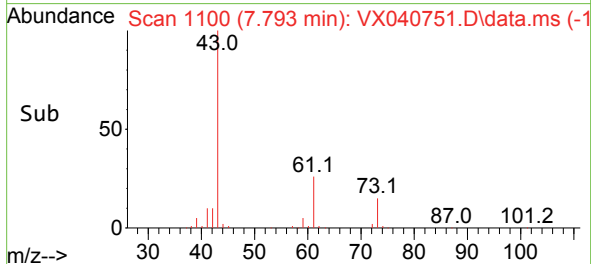
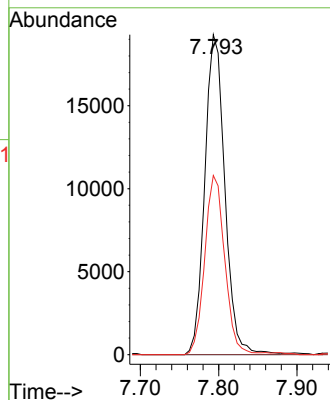
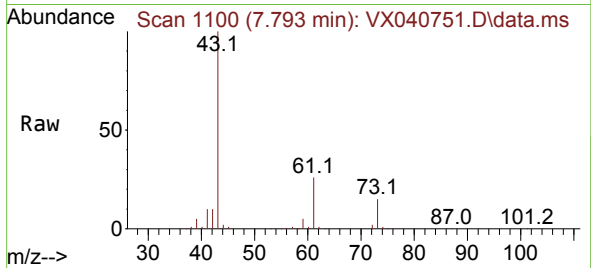




#48
Methyl methacrylate
Concen: 49.956 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

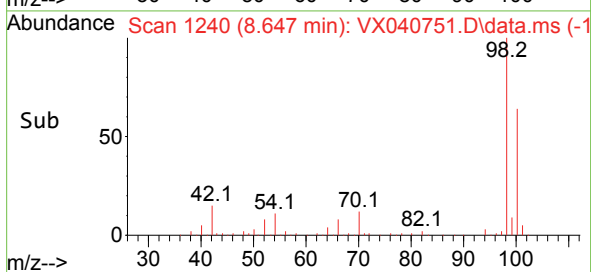
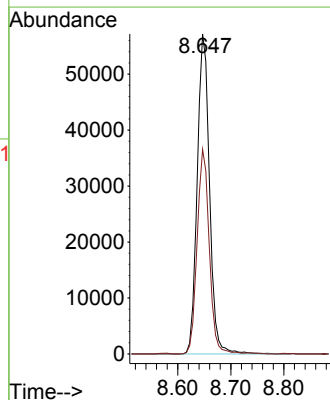
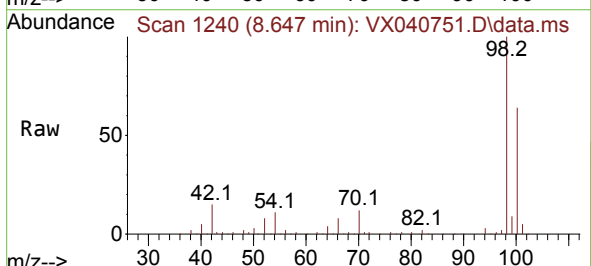
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

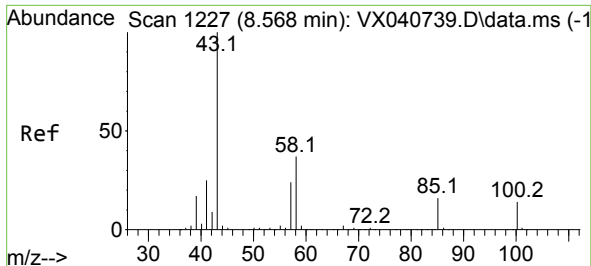
Tgt Ion: 41 Resp: 34336
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 56.0 47.7 71.5



#50
Toluene-d8
Concen: 47.022 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 98 Resp: 92219
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7

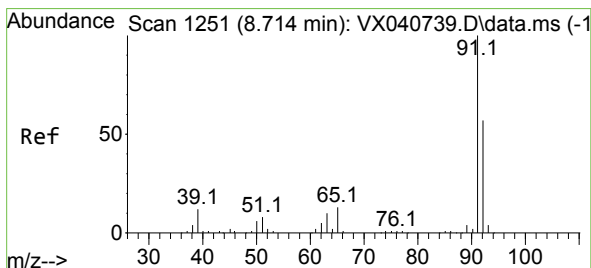
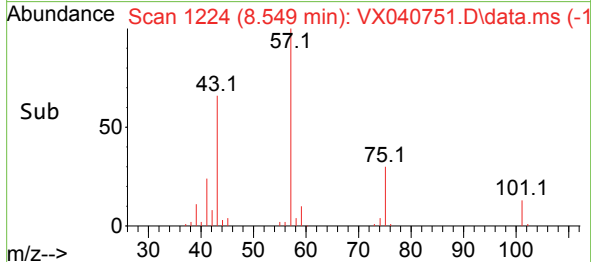
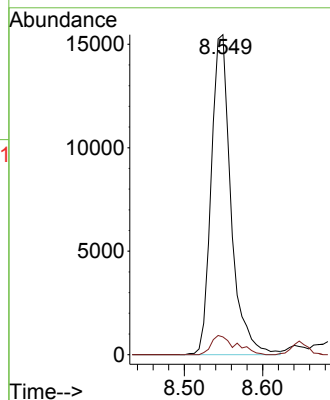
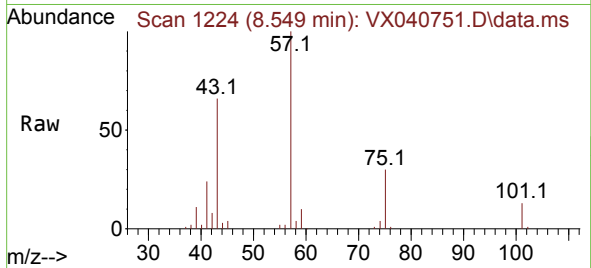




#51
4-Methyl-2-Pentanone
Concen: 29.014 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

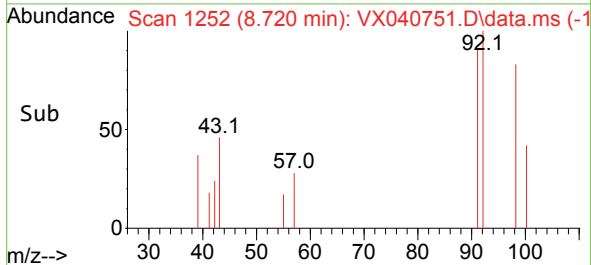
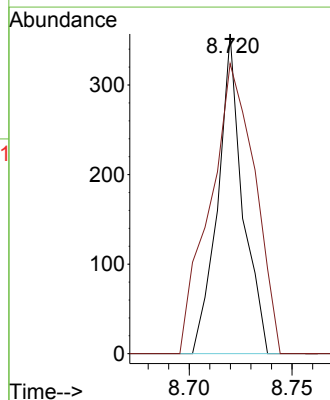
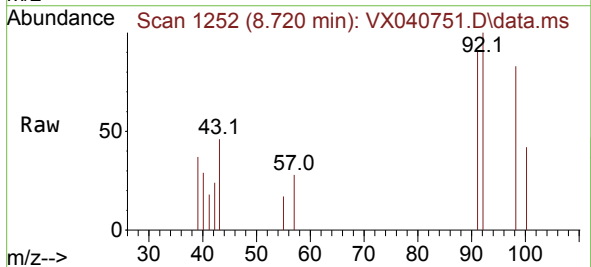
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

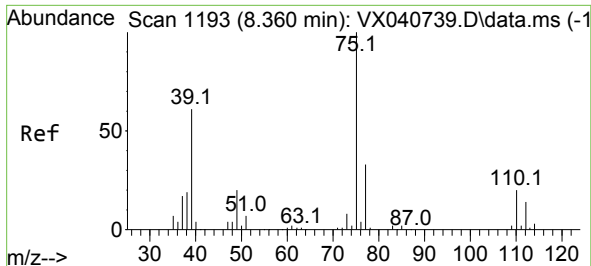
Tgt Ion: 43 Resp: 27058
Ion Ratio Lower Upper
43 100
58 7.5 30.4 45.6#



#52
Toluene
Concen: 0.216 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 92 Resp: 300
Ion Ratio Lower Upper
92 100
91 163.3 134.2 201.2

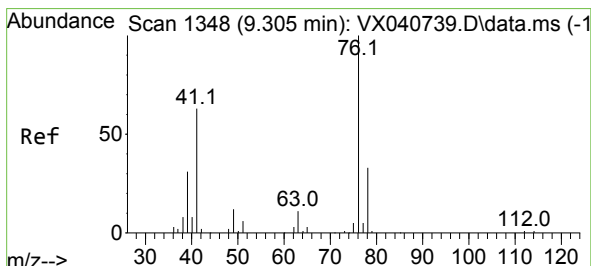
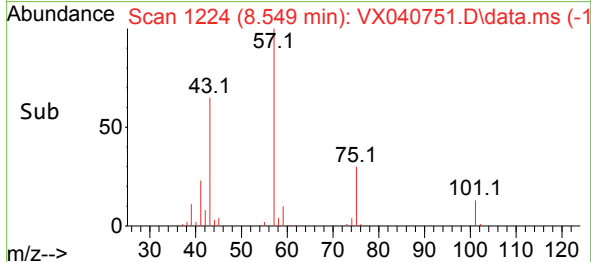
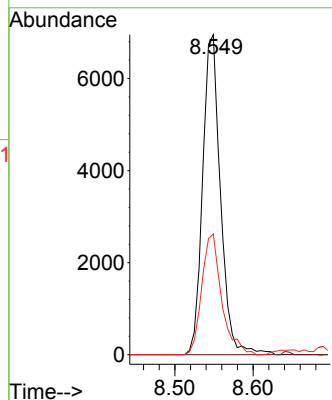
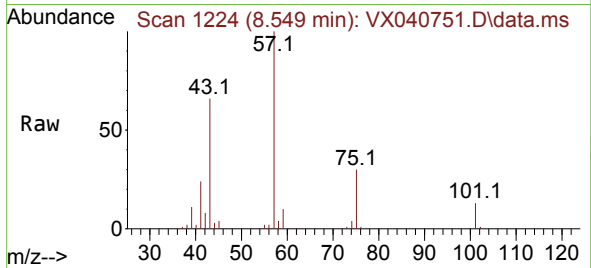




#54
cis-1,3-Dichloropropene
Concen: 11.617 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.189 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

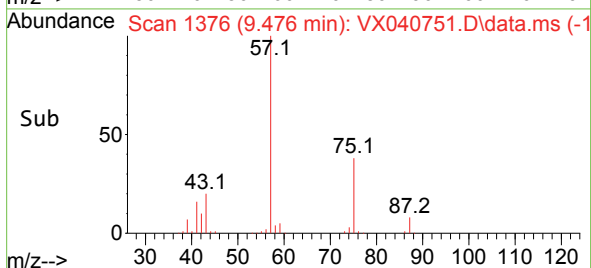
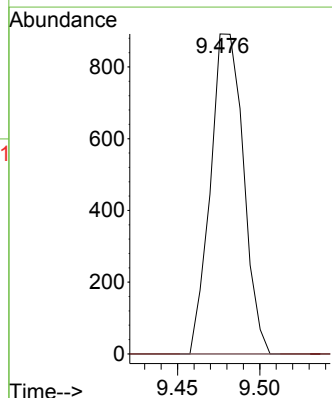
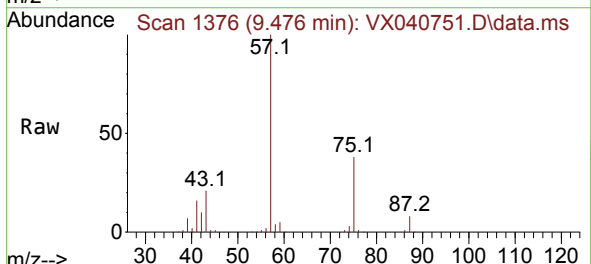
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

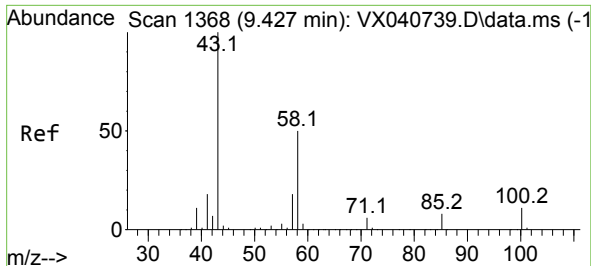
Tgt Ion: 75 Resp: 10989
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 37.7 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.291 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.171 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 76 Resp: 1246
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

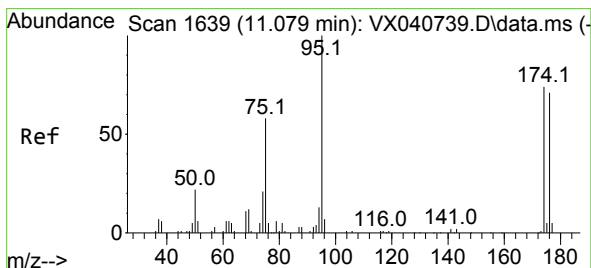
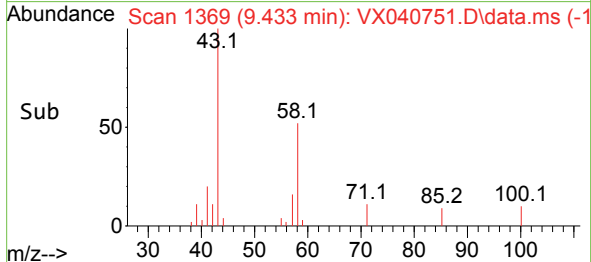
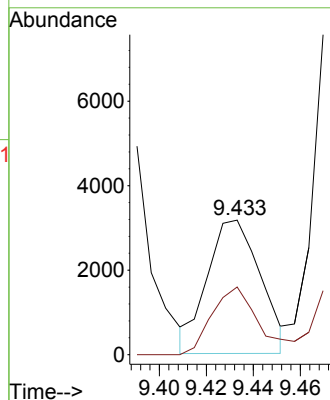
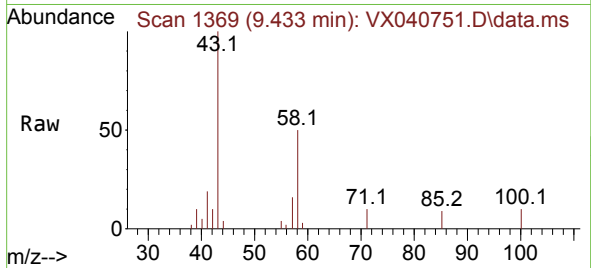




#59
2-Hexanone
Concen: 6.862 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

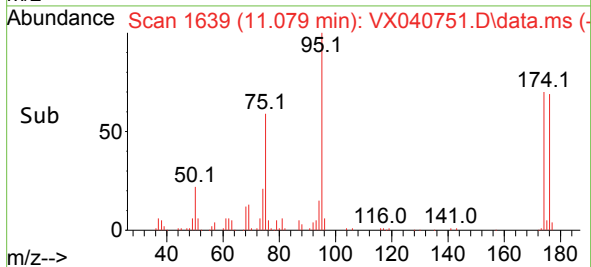
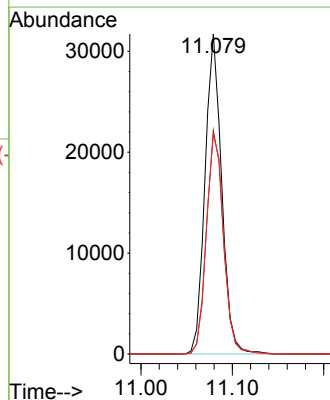
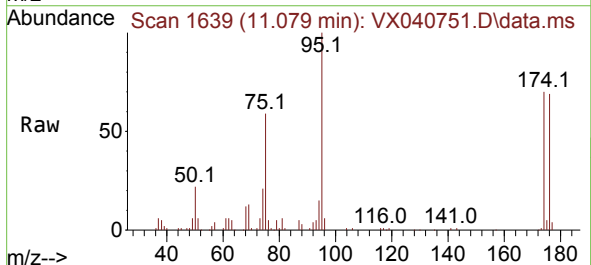
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

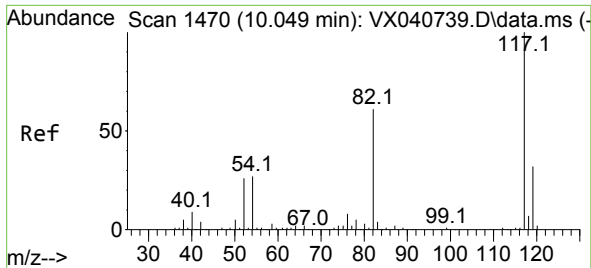
Tgt Ion: 43 Resp: 4957
Ion Ratio Lower Upper
43 100
58 45.3 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 51.632 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion: 95 Resp: 40007
Ion Ratio Lower Upper
95 100
174 71.2 0.0 135.6
176 70.9 0.0 131.0

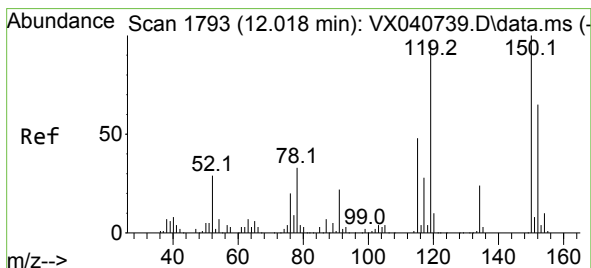
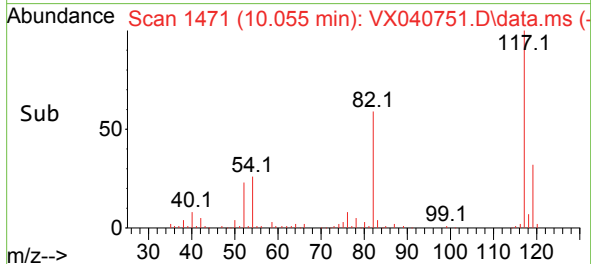
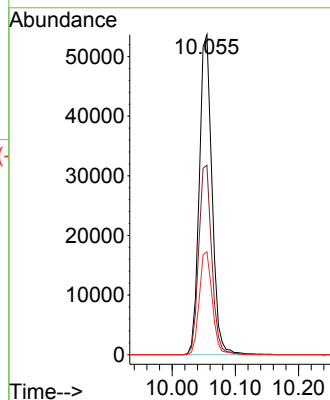
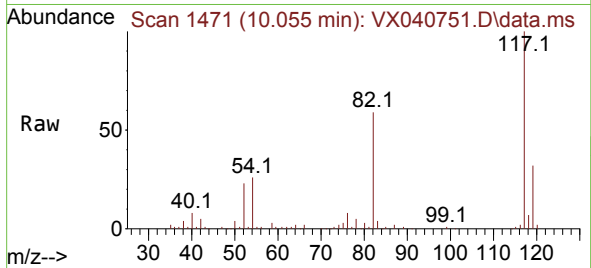




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

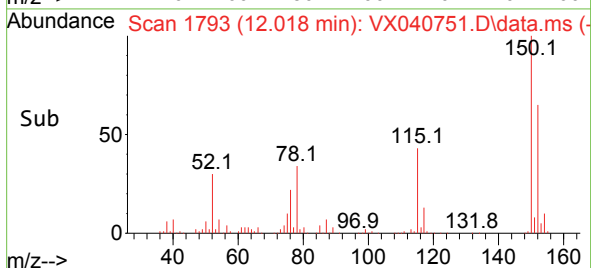
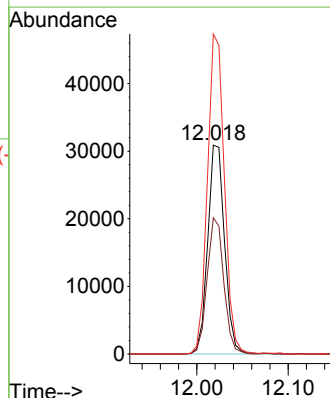
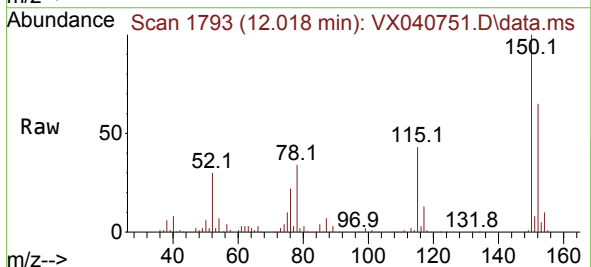
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

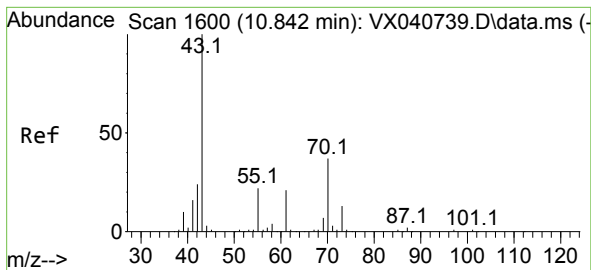
Tgt Ion:117 Resp: 75356
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion:152 Resp: 39533
Ion Ratio Lower Upper
152 100
115 64.3 43.3 129.9
150 154.1 0.0 345.0





#74

N-amy1 acetate

Concen: 1.196 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX040751.D

Acq: 21 Mar 2024 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#02

Tgt Ion: 43 Resp: 1766

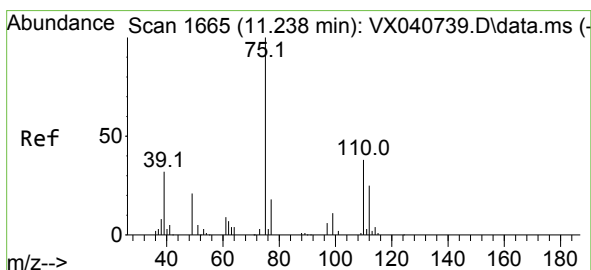
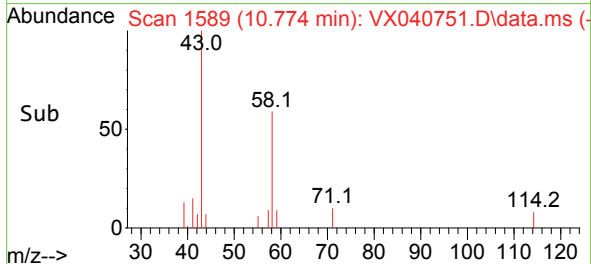
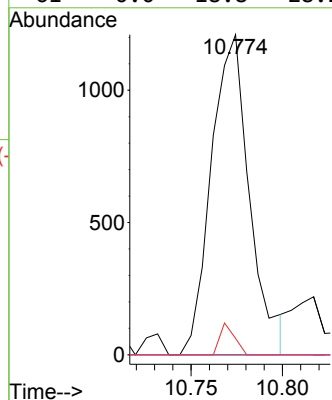
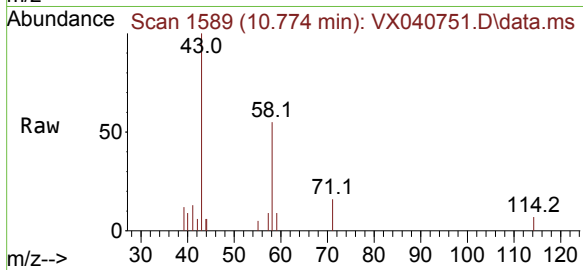
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 3.8 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.471 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040751.D

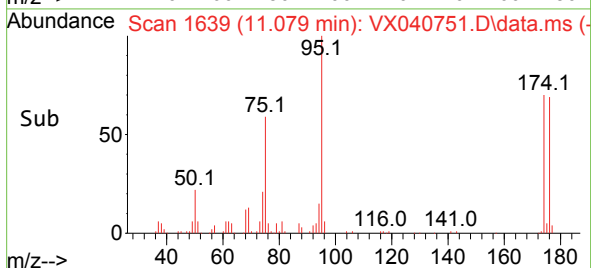
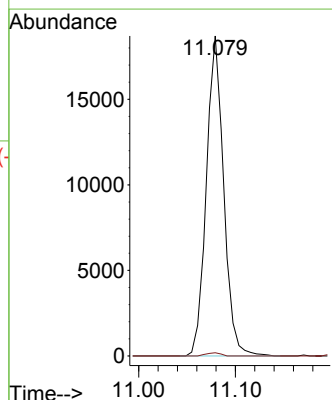
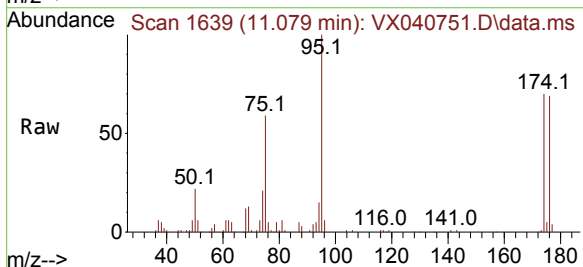
Acq: 21 Mar 2024 18:32

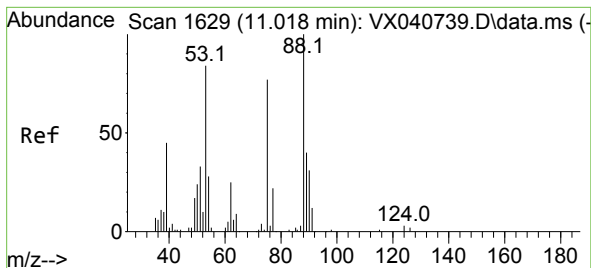
Tgt Ion: 75 Resp: 23357

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#

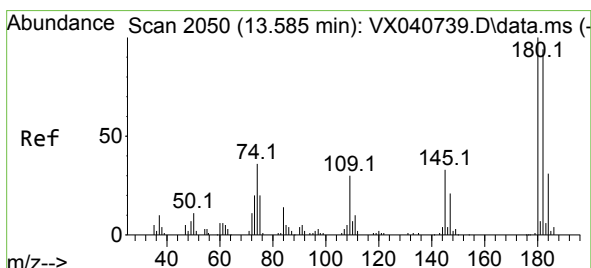
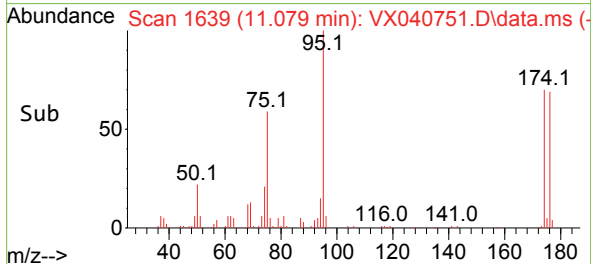
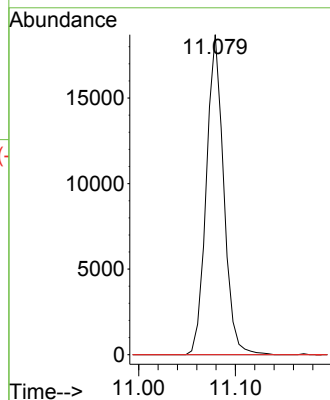
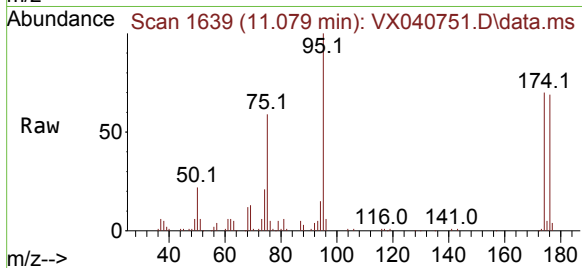




#81
trans-1,4-Dichloro-2-butene
Concen: 69.495 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#02

Tgt Ion: 75 Resp: 23357
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: 0.249 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX040751.D
Acq: 21 Mar 2024 18:32

Tgt Ion:180 Resp: 241
Ion Ratio Lower Upper
180 100
182 82.2 48.3 144.8
145 0.0 18.0 54.0#

