

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040765.D
 Acq On : 21 Mar 2024 23:52
 Operator : JC/MD
 Sample : PB159677ZHE#16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#16

Quant Time: Mar 22 03:05:03 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)

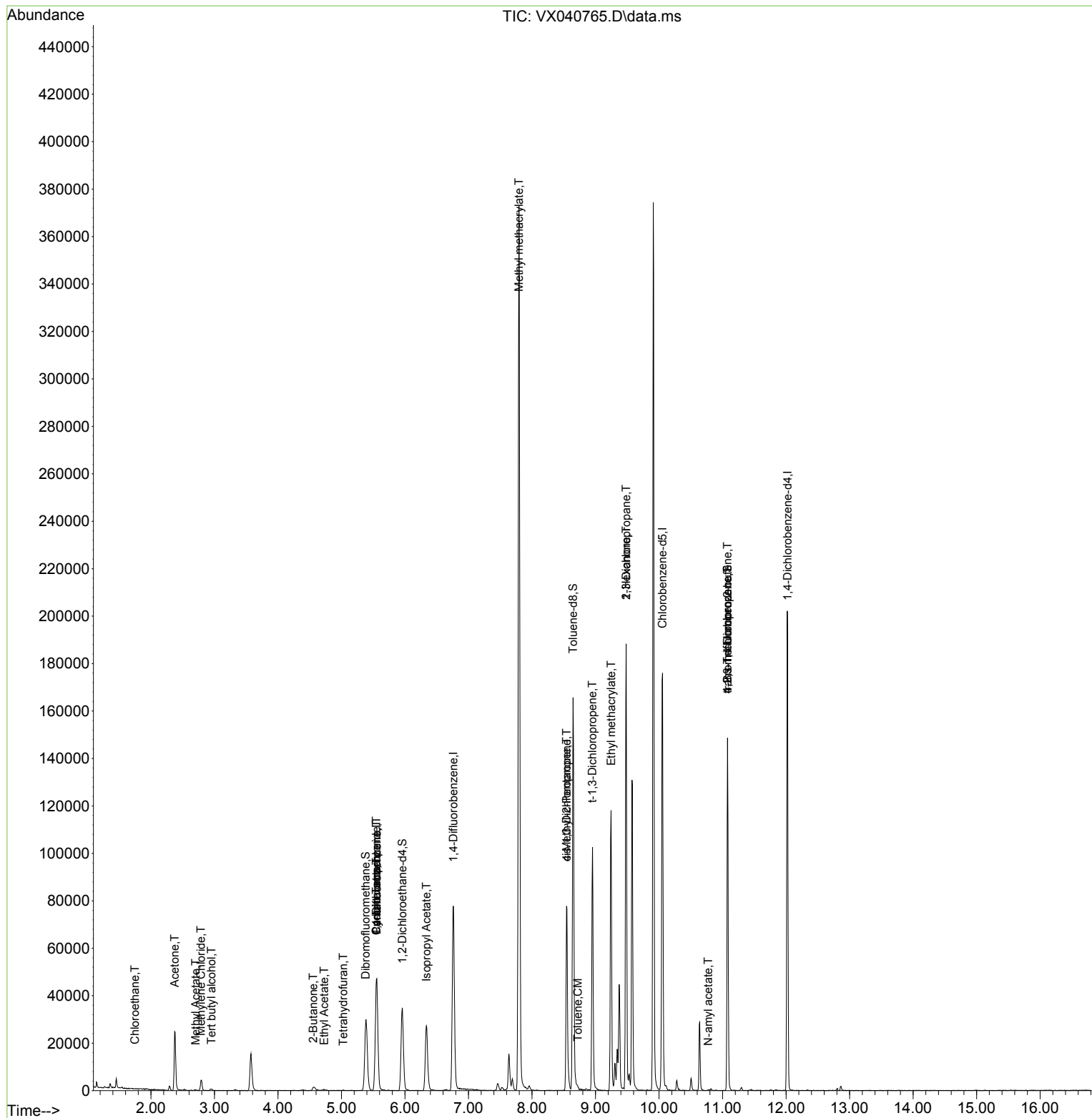
Internal Standards						
1) Pentafluorobenzene	5.556	168	41968	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	75845	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	75368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	35354	50.100	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.200%			
35) Dibromofluoromethane	5.379	113	25427	44.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.600%			
50) Toluene-d8	8.647	98	94341	48.549	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.100%			
62) 4-Bromofluorobenzene	11.079	95	36821	47.960	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.920%			
Target Compounds					Qvalue	
6) Chloroethane	1.746	64	131	0.354	ug/l #	43
11) Tert butyl alcohol	2.953	59	837	7.407	ug/l #	78
16) Acetone	2.373	43	27771	111.105	ug/l	96
18) Methyl Acetate	2.703	43	592	0.884	ug/l #	53
20) Methylene Chloride	2.788	84	1958	3.584	ug/l #	92
25) 2-Butanone	4.556	43	1117	2.853	ug/l #	89
29) Tetrahydrofuran	5.025	42	170	0.653	ug/l #	47
31) Cyclohexane	5.550	56	1211	1.444	ug/l #	42
36) 1,1-Dichloropropene	5.550	75	3871	4.633	ug/l #	46
37) Ethyl Acetate	4.727	43	1140	1.201	ug/l #	78
38) Carbon Tetrachloride	5.550	117	4500	4.785	ug/l #	16
43) Isopropyl Acetate	6.336	43	38609	25.912	ug/l	99
48) Methyl methacrylate	7.793	41	35836	52.621	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	31482	34.070	ug/l #	51
52) Toluene	8.720	92	323	0.235	ug/l #	63
53) t-1,3-Dichloropropene	8.952	75	183	0.202	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	11530	12.301	ug/l #	64
56) Ethyl methacrylate	9.244	69	210	0.224	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1586	1.659	ug/l #	42
59) 2-Hexanone	9.482	43	23069	32.228	ug/l #	50
74) N-amyl acetate	10.774	43	296	0.208	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	20862	25.432	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	20862	64.339	ug/l #	5

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:41:46 2024
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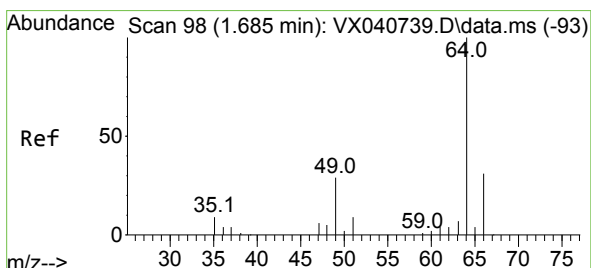
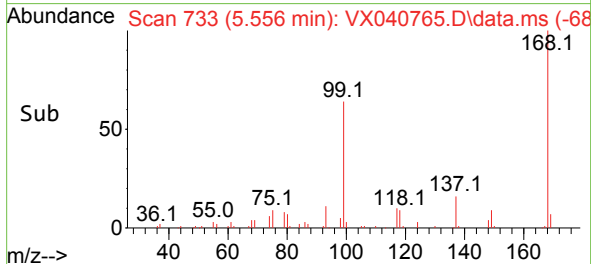
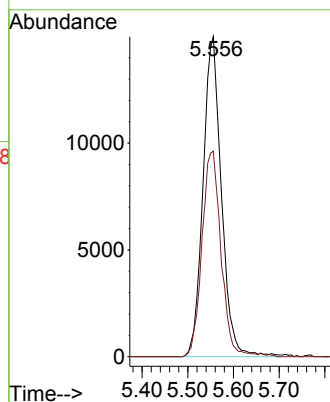
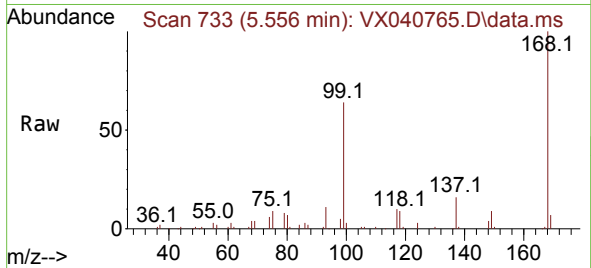




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

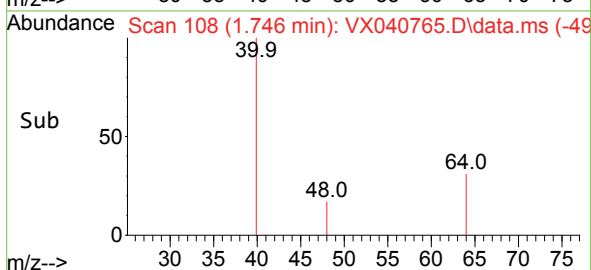
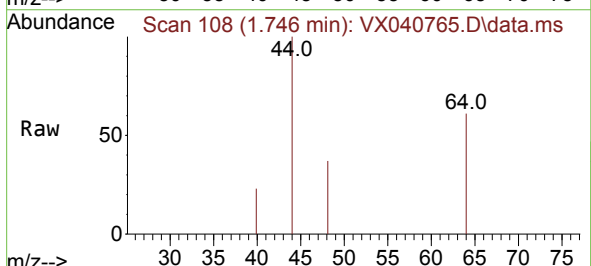
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#16

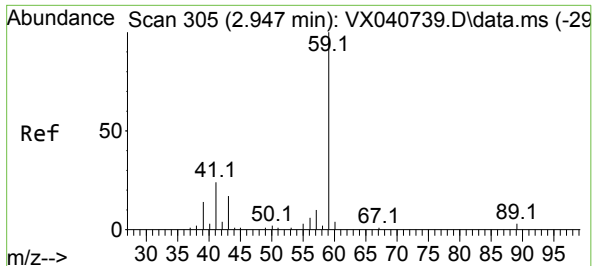
Tgt Ion:168 Resp: 41968
Ion Ratio Lower Upper
168 100
99 64.2 56.6 85.0



#6
Chloroethane
Concen: 0.354 ug/l
RT: 1.746 min Scan# 108
Delta R.T. 0.061 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Tgt Ion: 64 Resp: 131
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 7.407 ug/l

RT: 2.953 min Scan# 305

Delta R.T. 0.006 min

Lab File: VX040765.D

Acq: 21 Mar 2024 23:52

Instrument :

MSVOA_X

ClientSampleId :

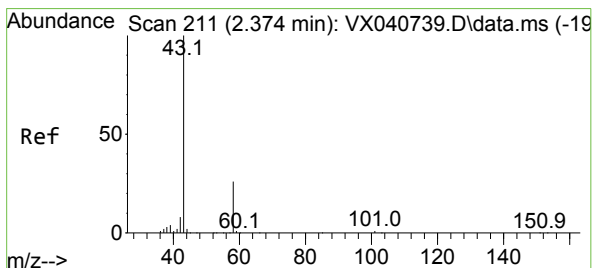
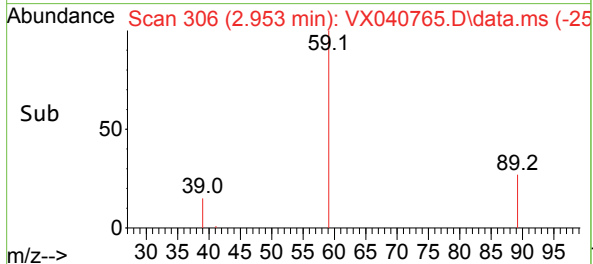
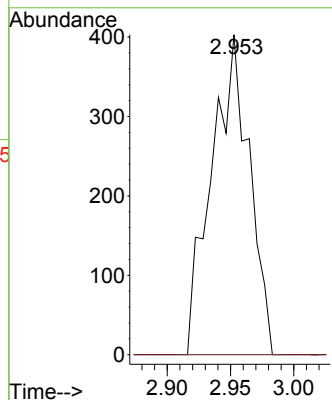
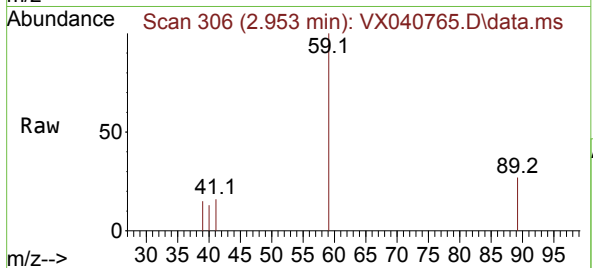
PB159677ZHE#16

Tgt Ion: 59 Resp: 837

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 111.105 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.001 min

Lab File: VX040765.D

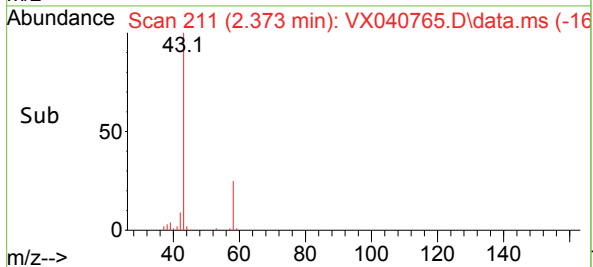
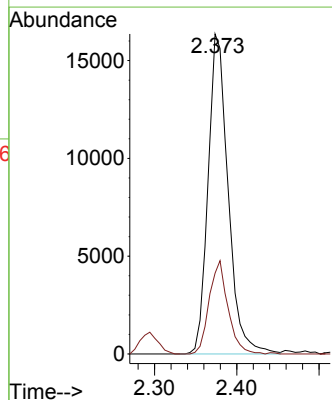
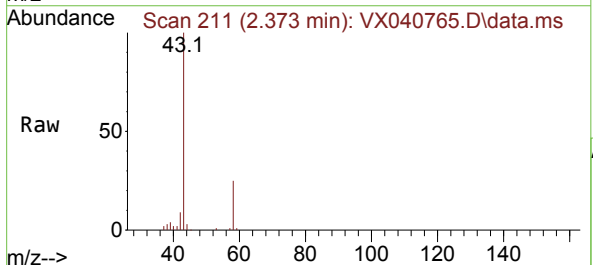
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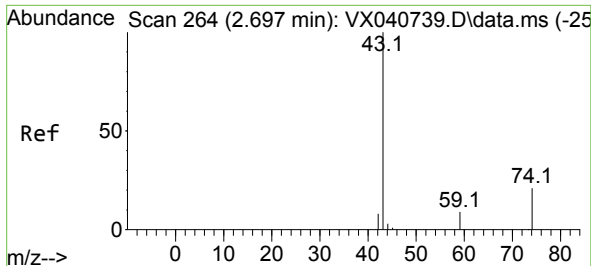
Tgt Ion: 43 Resp: 27771

Ion Ratio Lower Upper

43 100

58 25.3 21.9 32.9





#18

Methyl Acetate

Concen: 0.884 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX040765.D

Acq: 21 Mar 2024 23:52

Instrument :

MSVOA_X

ClientSampleId :

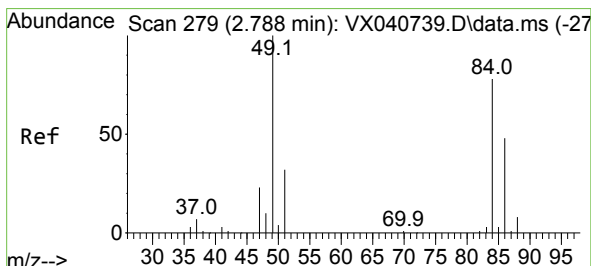
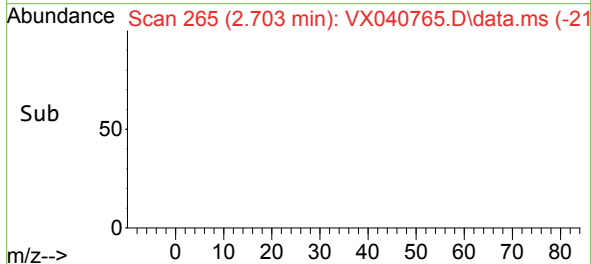
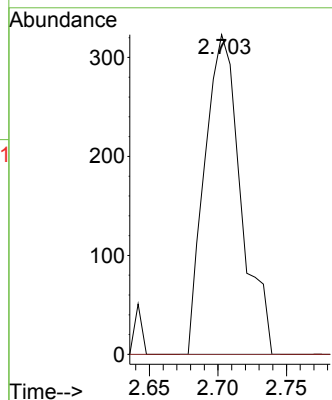
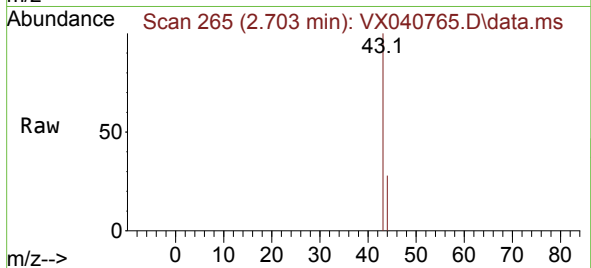
PB159677ZHE#16

Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#20

Methylene Chloride

Concen: 3.584 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX040765.D

Acq: 21 Mar 2024 23:52

Tgt Ion: 84 Resp: 1958

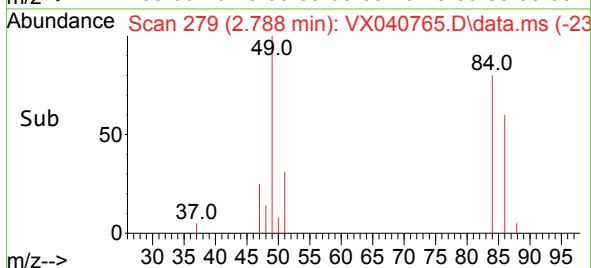
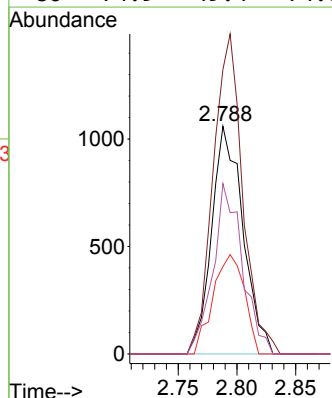
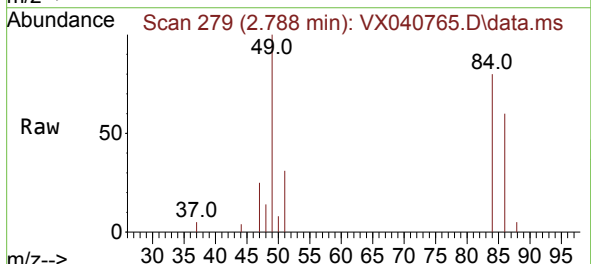
Ion Ratio Lower Upper

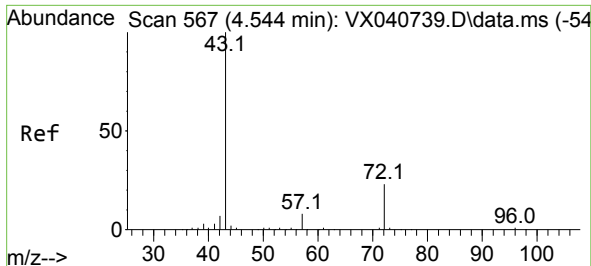
84 100

49 125.0 103.6 155.4

51 38.3 33.8 50.6

86 74.9 49.4 74.0#

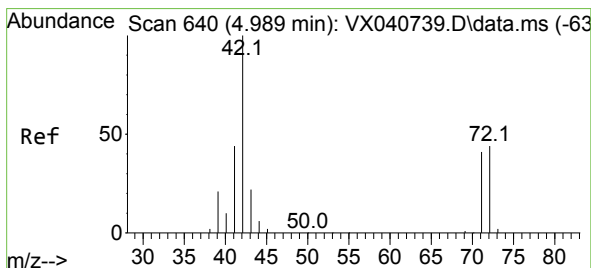
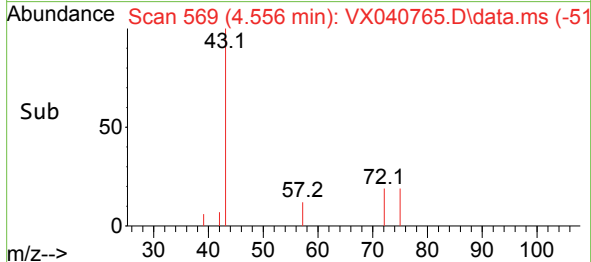
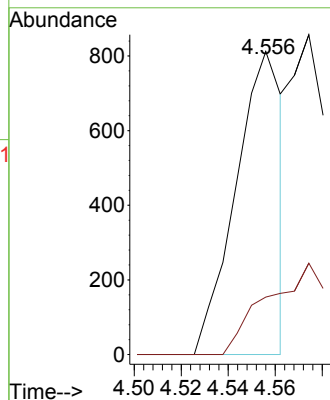
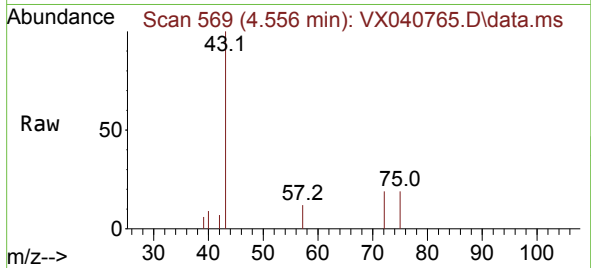




#25
2-Butanone
Concen: 2.853 ug/l
RT: 4.556 min Scan# 511
Delta R.T. 0.012 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

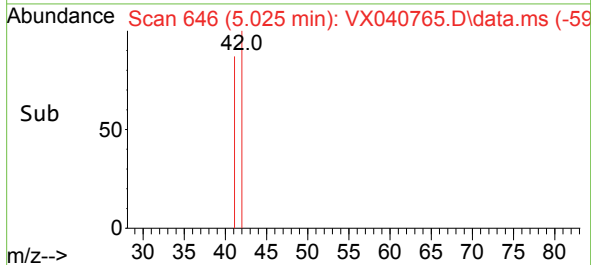
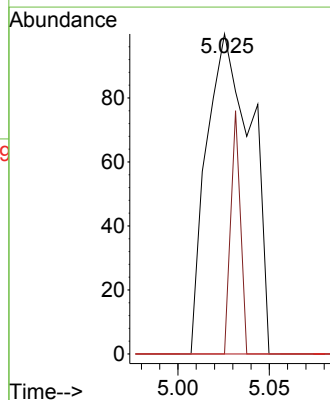
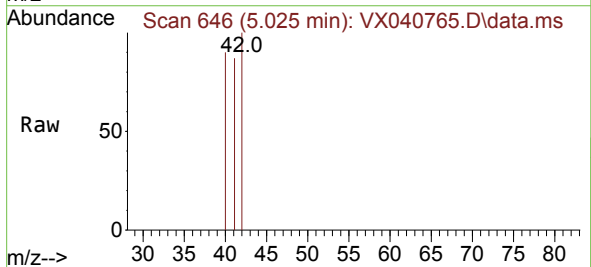
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#16

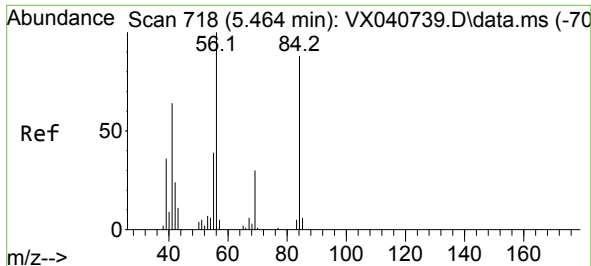
Tgt Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
72 19.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.653 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.036 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

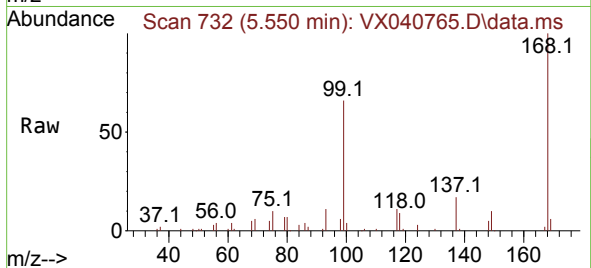
Tgt Ion: 42 Resp: 170
Ion Ratio Lower Upper
42 100
72 16.5 34.2 51.4#
71 0.0 32.2 48.2#



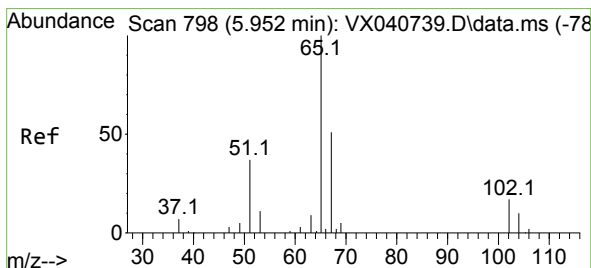
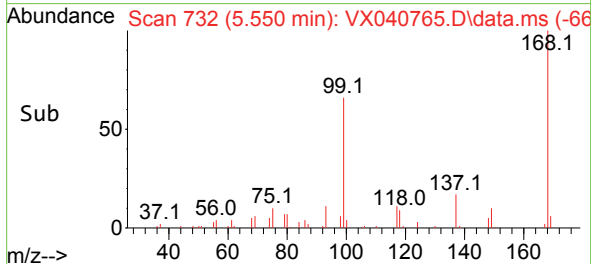
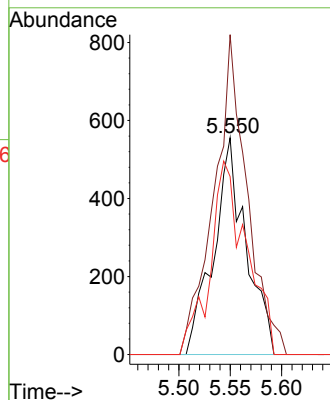


#31
Cyclohexane
Concen: 1.444 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#16

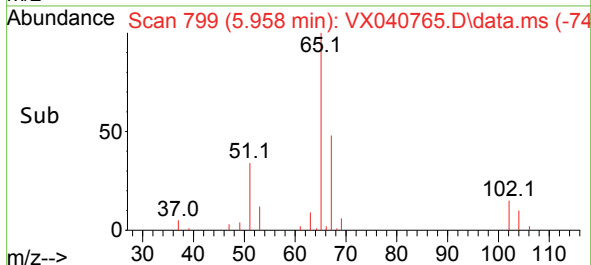
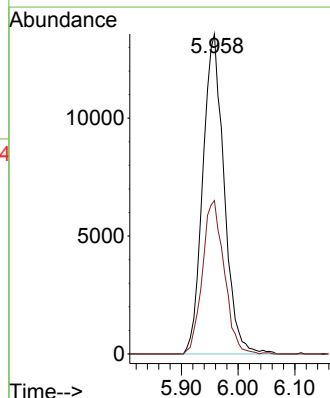
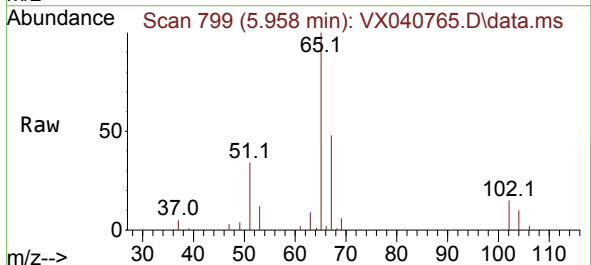


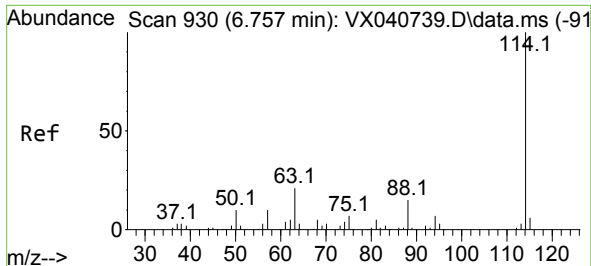
Tgt Ion: 56 Resp: 1211
Ion Ratio Lower Upper
56 100
69 147.5 23.4 35.2#
84 82.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 50.100 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Tgt Ion: 65 Resp: 35354
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.2

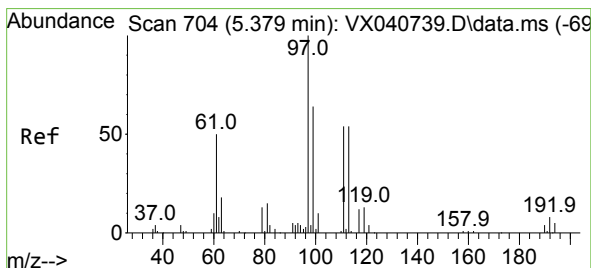
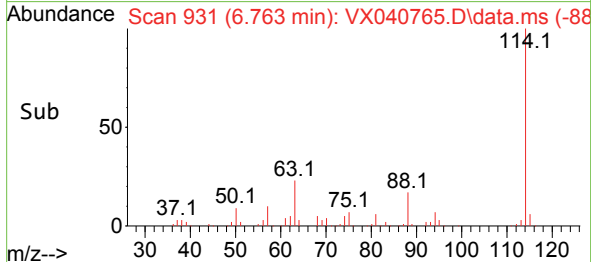
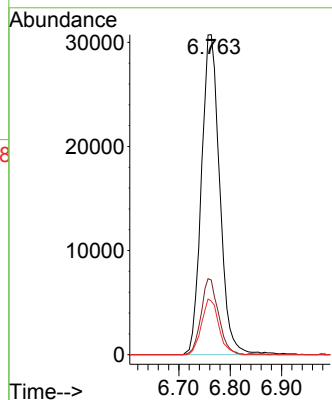
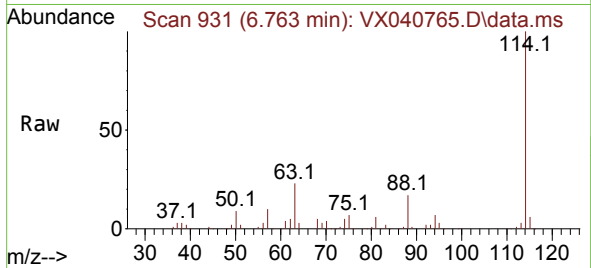




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

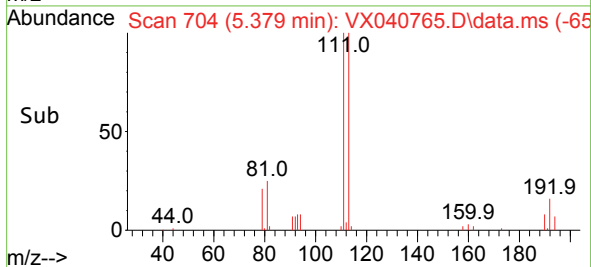
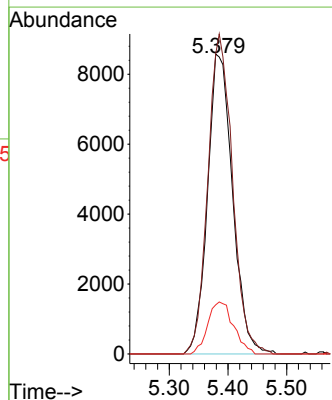
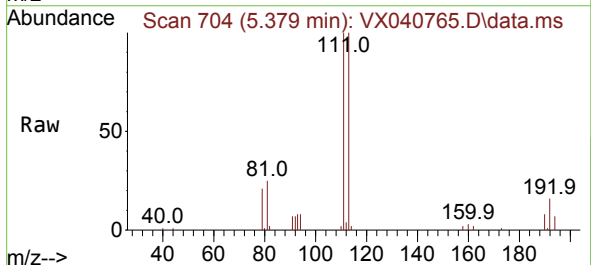
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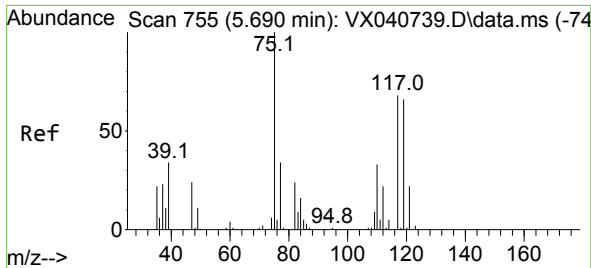
Tgt Ion:114 Resp: 75845
Ion Ratio Lower Upper
114 100
63 23.3 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.804 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Tgt Ion:113 Resp: 25427
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 17.8 13.3 19.9

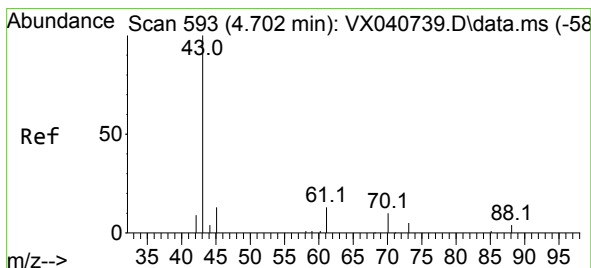
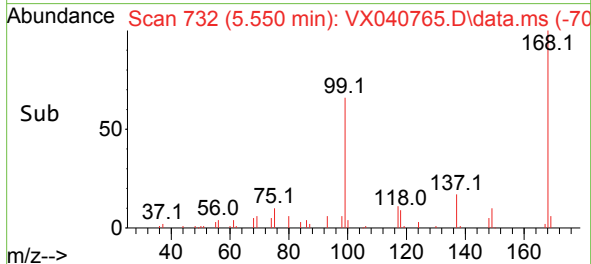
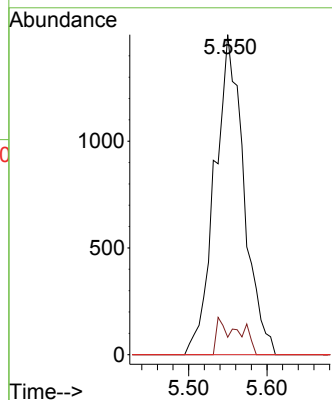
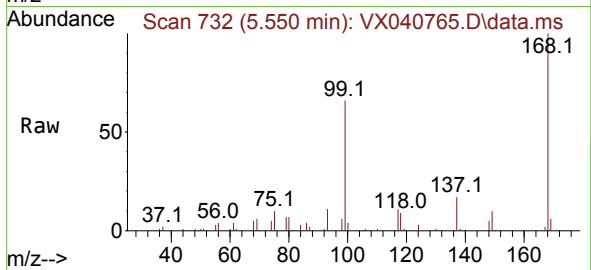




#36
1,1-Dichloropropene
Concen: 4.633 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

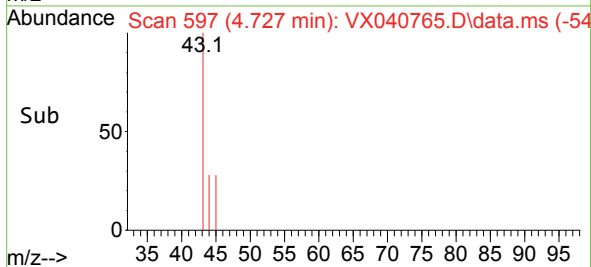
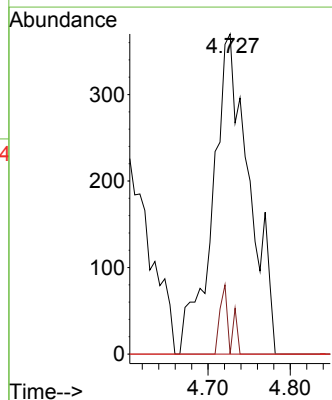
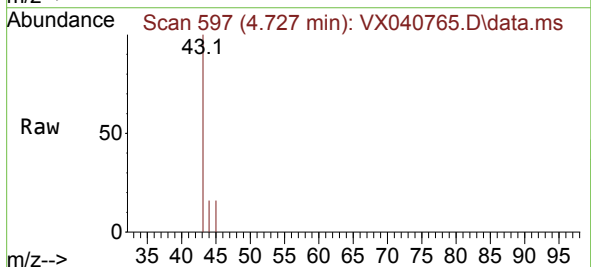
Instrument :
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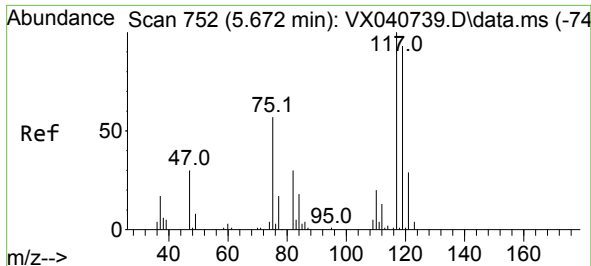
Tgt Ion: 75 Resp: 3871
Ion Ratio Lower Upper
75 100
110 3.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.201 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.024 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

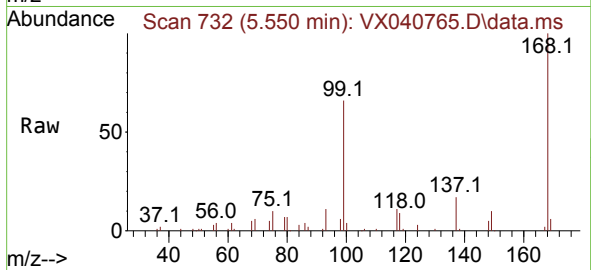
Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
61 6.0 10.6 16.0#
70 0.0 8.3 12.5#



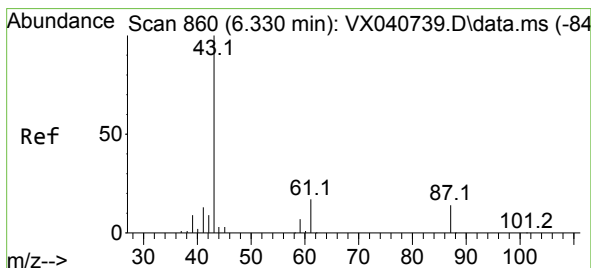
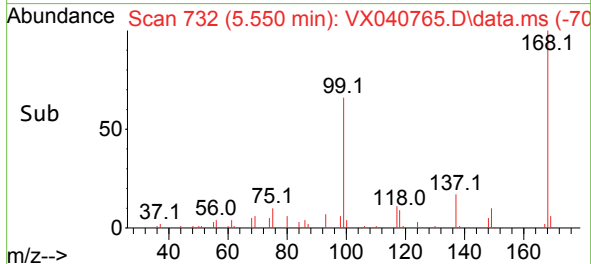
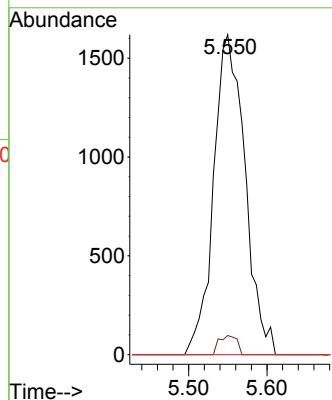


#38
Carbon Tetrachloride
Concen: 4.785 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#16

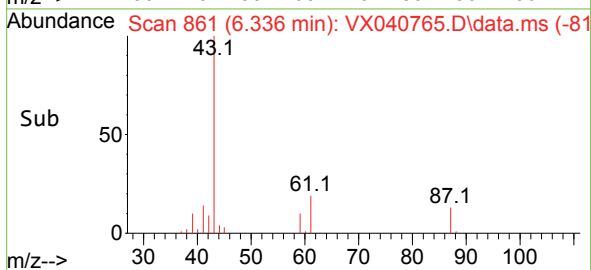
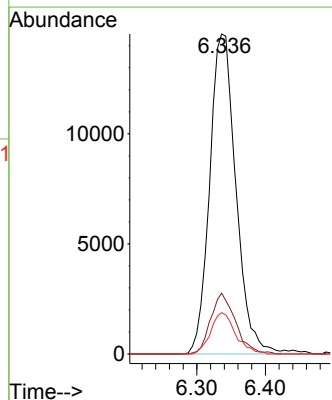
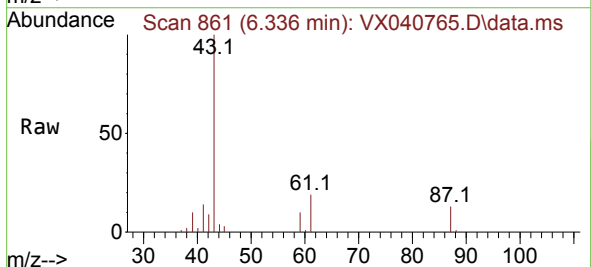


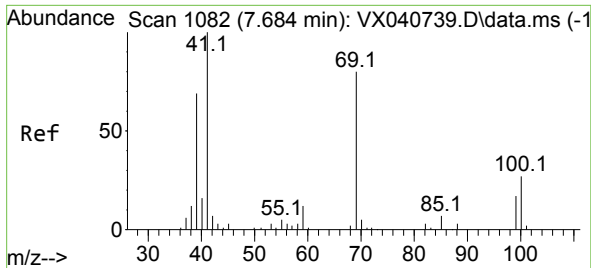
Tgt Ion:117 Resp: 4500
Ion Ratio Lower Upper
117 100
119 6.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 25.912 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Tgt Ion: 43 Resp: 38609
Ion Ratio Lower Upper
43 100
61 18.0 15.2 22.8
87 12.2 9.8 14.6

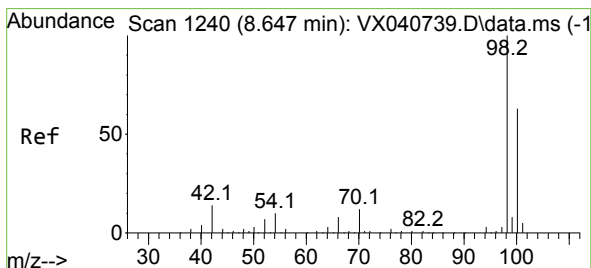
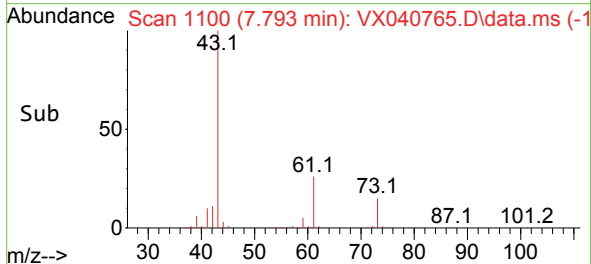
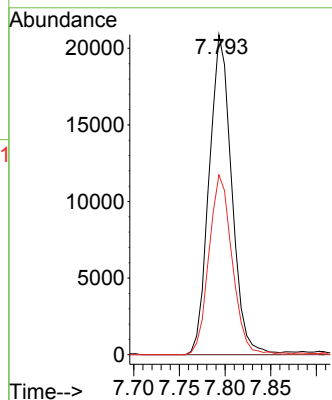
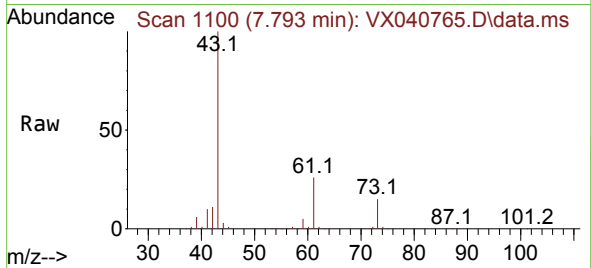




#48
Methyl methacrylate
Concen: 52.621 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

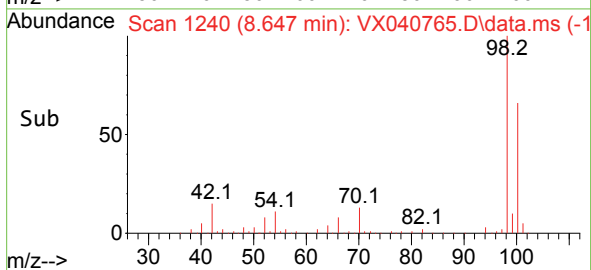
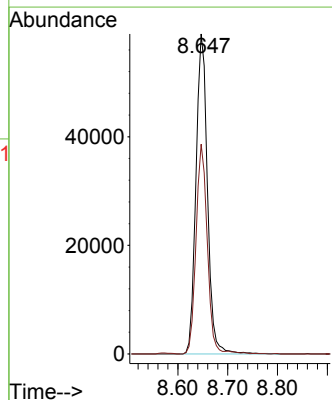
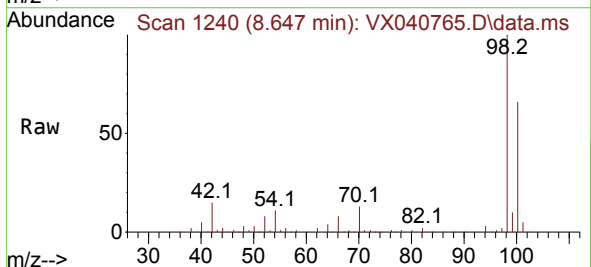
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#16

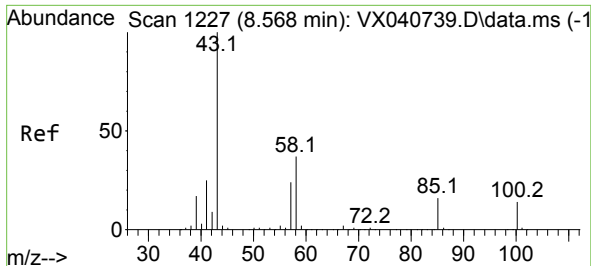
Tgt Ion: 41 Resp: 35836
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 58.0 47.7 71.5



#50
Toluene-d8
Concen: 48.549 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Tgt Ion: 98 Resp: 94341
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 34.070 ug/l

RT: 8.543 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX040765.D

Acq: 21 Mar 2024 23:52

Instrument :

MSVOA_X

ClientSampleId :

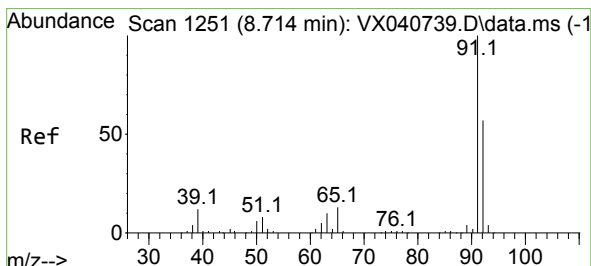
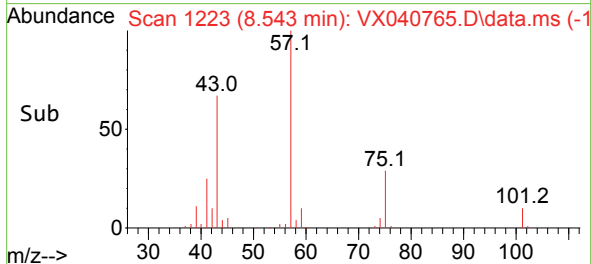
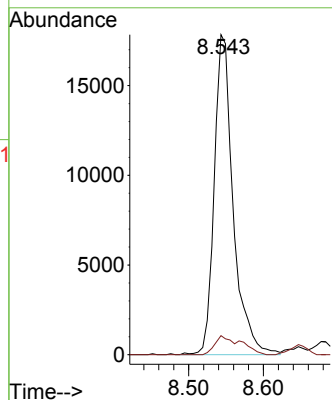
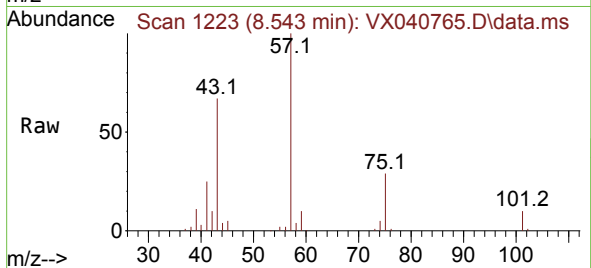
PB159677ZHE#16

Tgt Ion: 43 Resp: 31482

Ion Ratio Lower Upper

43 100

58 8.2 30.4 45.6#



#52

Toluene

Concen: 0.235 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX040765.D

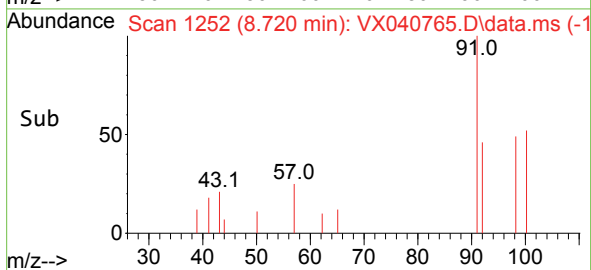
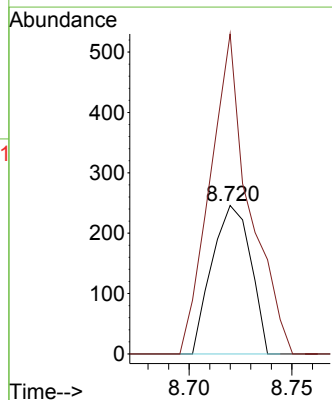
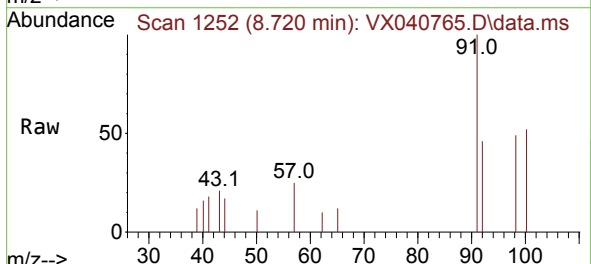
Acq: 21 Mar 2024 23:52

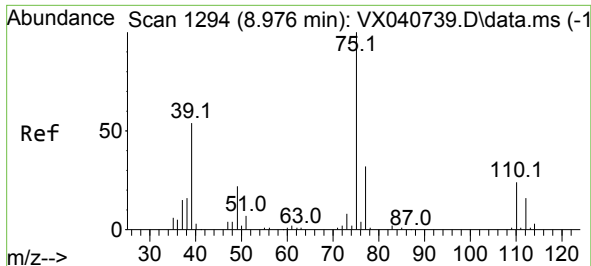
Tgt Ion: 92 Resp: 323

Ion Ratio Lower Upper

92 100

91 218.0 134.2 201.2#

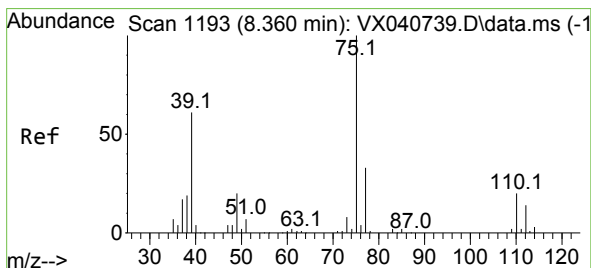
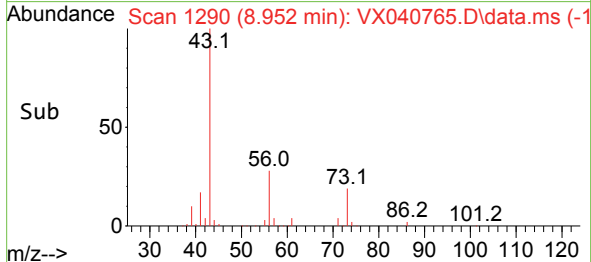
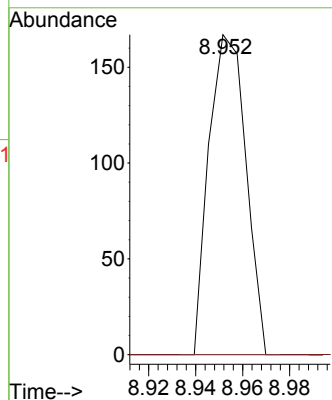
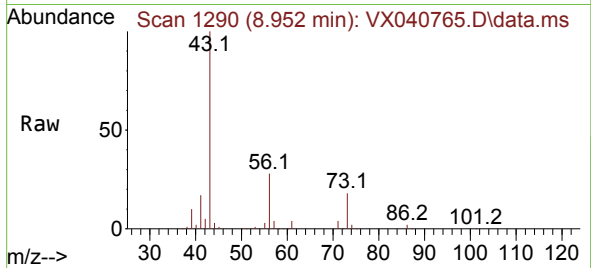




#53
 t-1,3-Dichloropropene
 Concen: 0.202 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX040765.D
 Acq: 21 Mar 2024 23:52

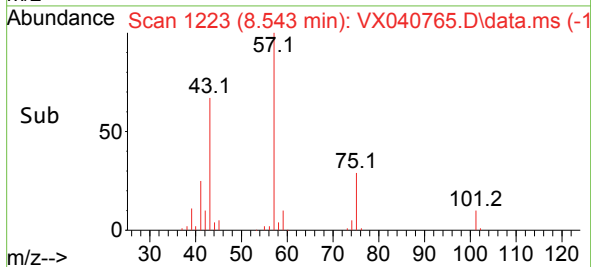
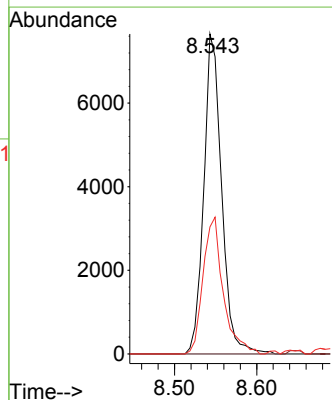
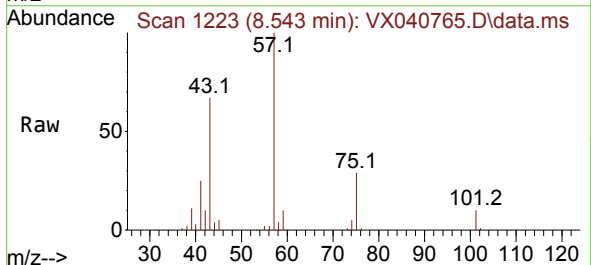
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#16

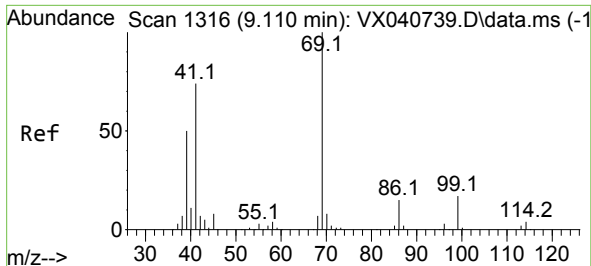
Tgt Ion: 75 Resp: 183
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.301 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.183 min
 Lab File: VX040765.D
 Acq: 21 Mar 2024 23:52

Tgt Ion: 75 Resp: 11530
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 39.7 46.7 70.1#

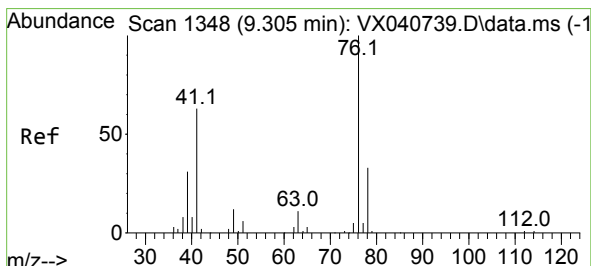
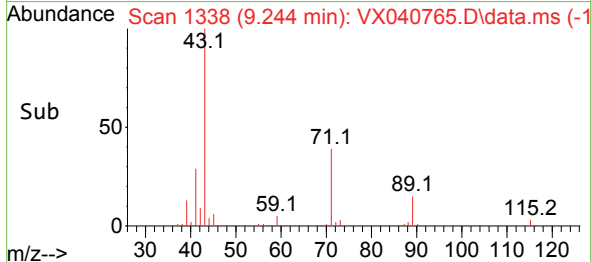
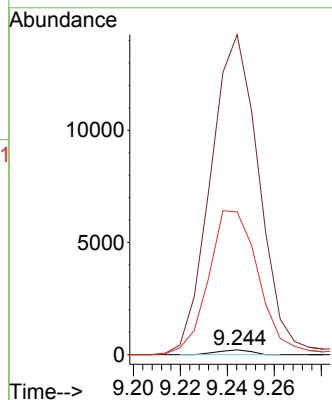
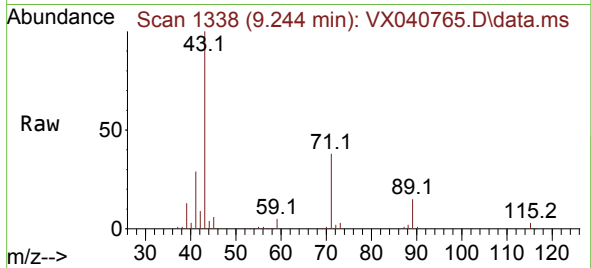




#56
Ethyl methacrylate
Concen: 0.224 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.134 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

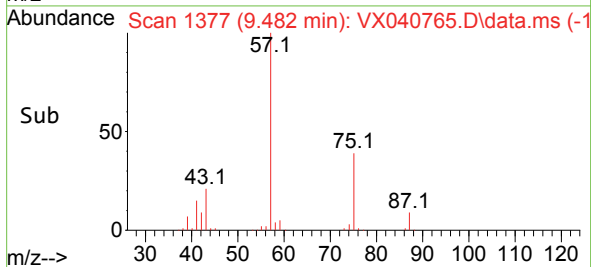
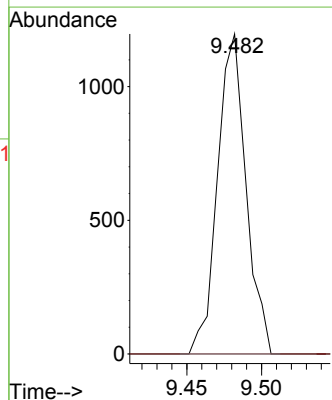
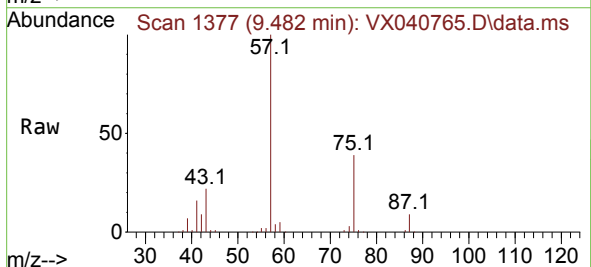
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#16

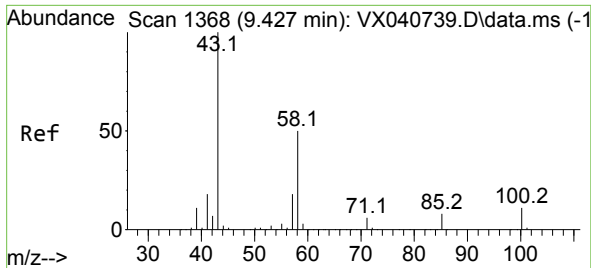
Tgt Ion: 69 Resp: 210
Ion Ratio Lower Upper
69 100
41 9791.0 56.8 85.2#
39 4553.3 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.659 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Tgt Ion: 76 Resp: 1586
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

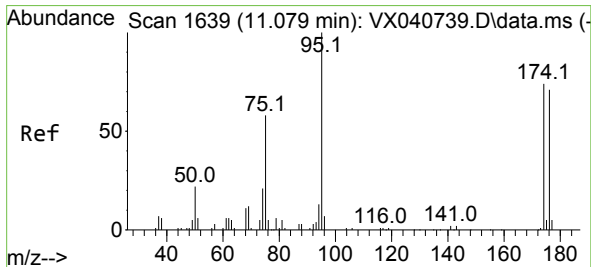
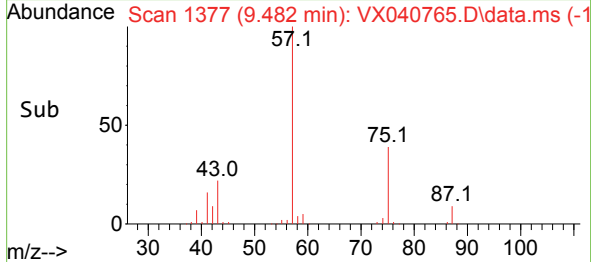
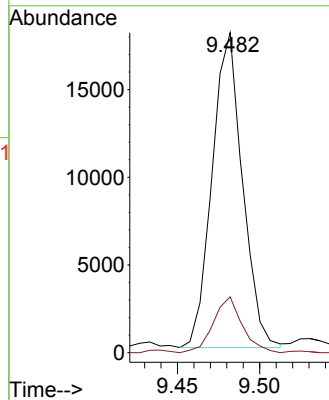
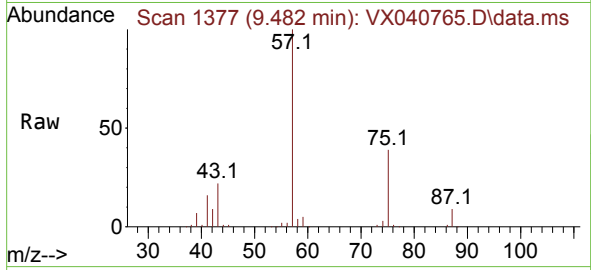




#59
2-Hexanone
Concen: 32.228 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

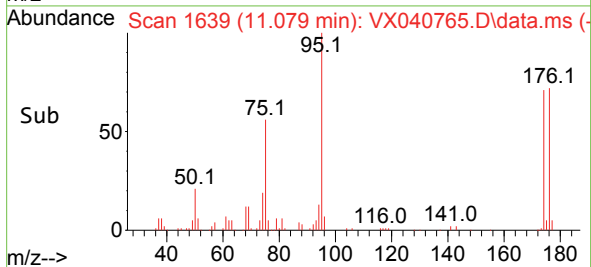
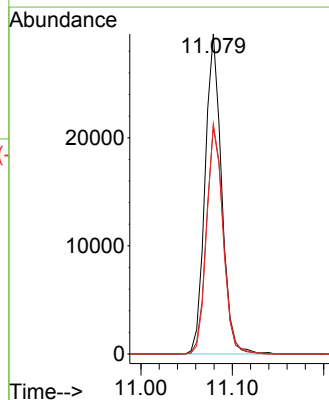
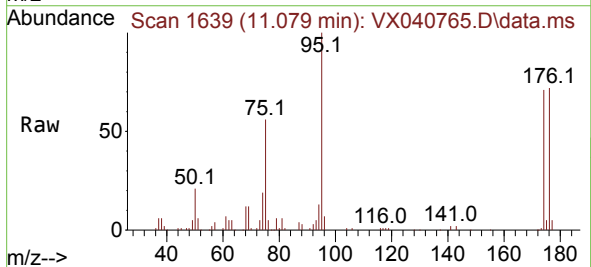
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#16

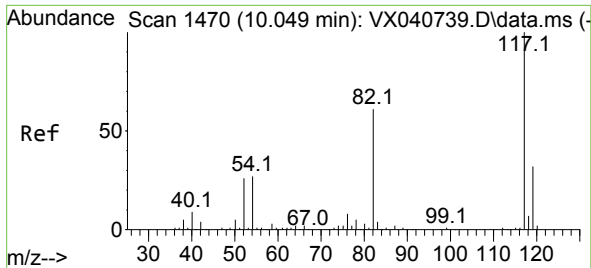
Tgt Ion: 43 Resp: 23069
Ion Ratio Lower Upper
43 100
58 16.8 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 47.960 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Tgt Ion: 95 Resp: 36821
Ion Ratio Lower Upper
95 100
174 73.3 0.0 135.6
176 71.4 0.0 131.0

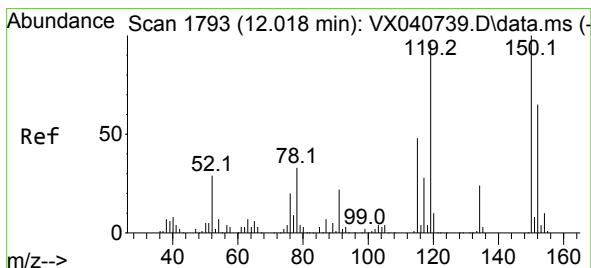
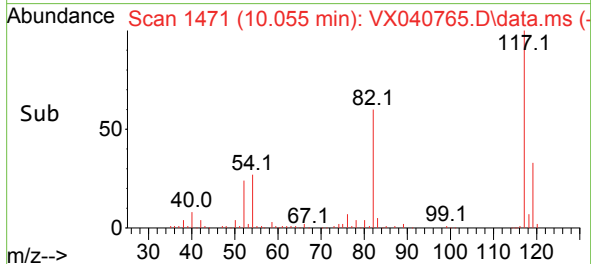
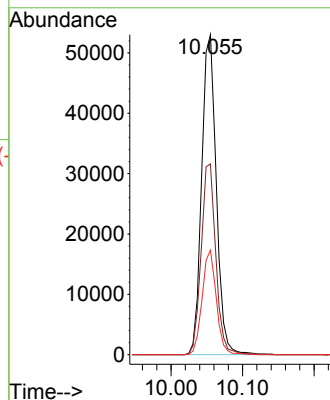
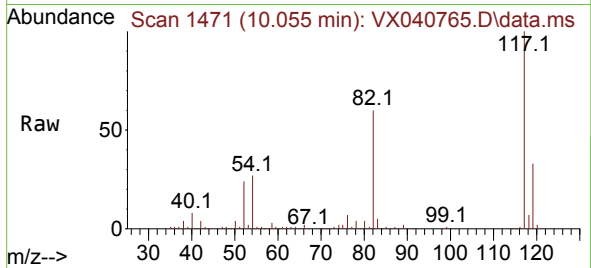




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

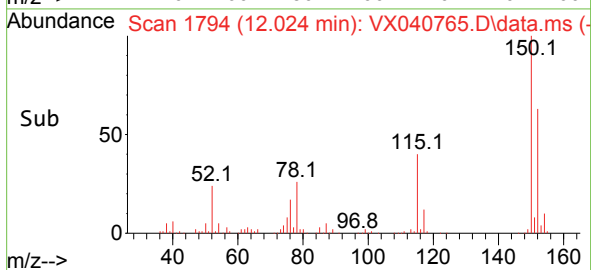
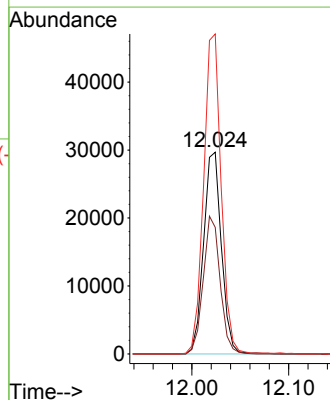
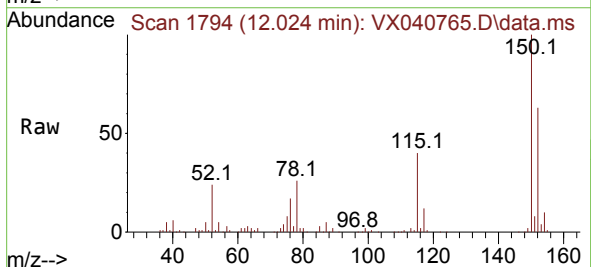
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#16

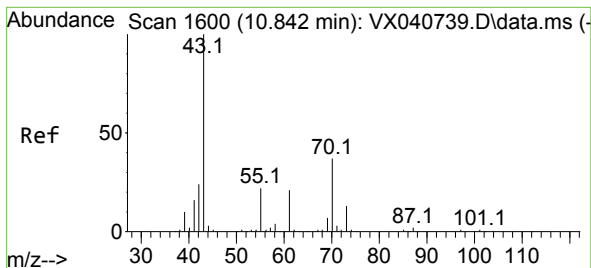
Tgt Ion:117 Resp: 75368
Ion Ratio Lower Upper
117 100
82 59.6 46.2 69.4
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Tgt Ion:152 Resp: 38140
Ion Ratio Lower Upper
152 100
115 64.6 43.3 129.9
150 156.2 0.0 345.0





#74

N-amy1 acetate

Concen: 0.208 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX040765.D

Acq: 21 Mar 2024 23:52

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#16

Tgt Ion: 43 Resp: 296

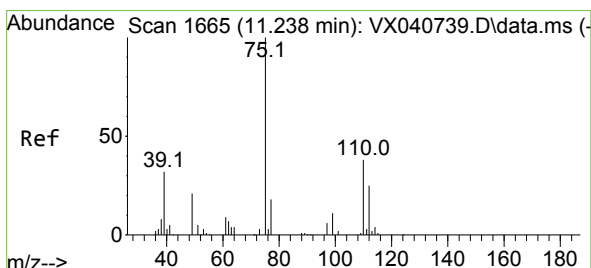
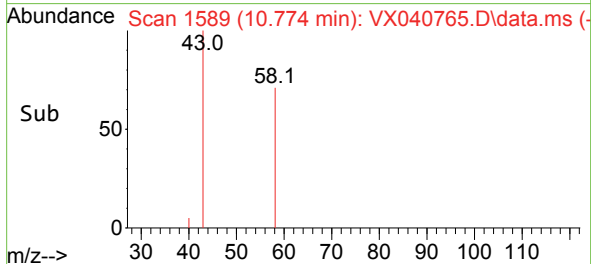
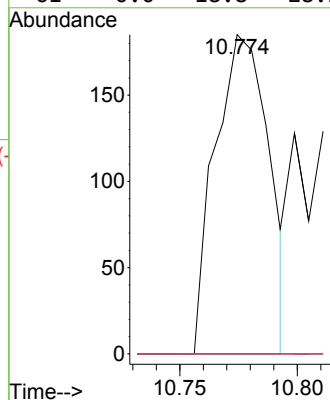
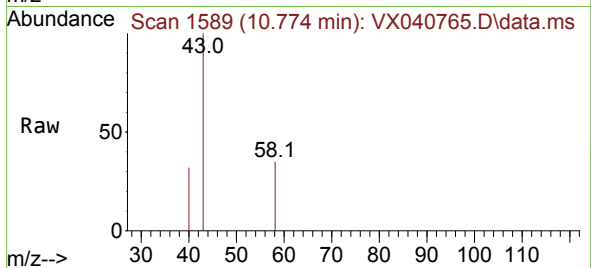
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.432 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040765.D

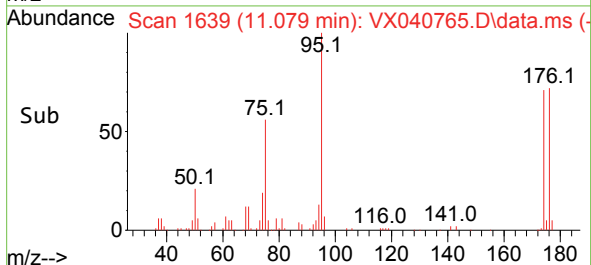
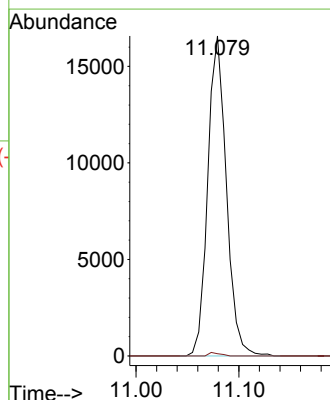
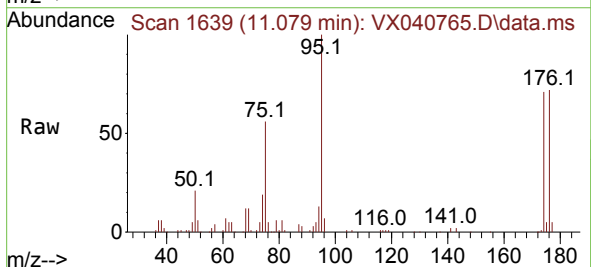
Acq: 21 Mar 2024 23:52

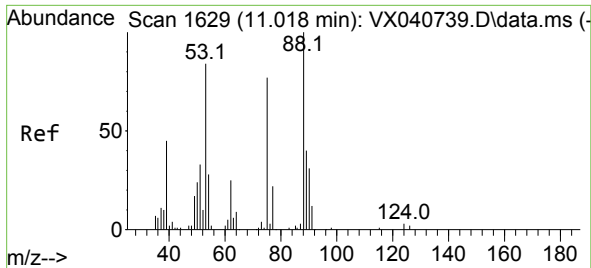
Tgt Ion: 75 Resp: 20862

Ion Ratio Lower Upper

75 100

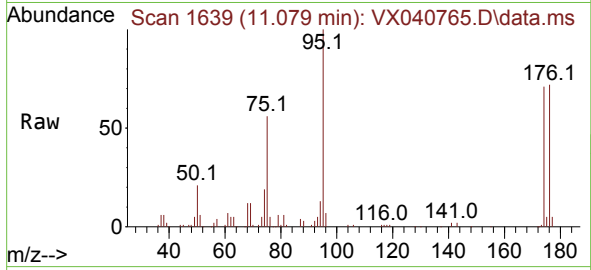
77 0.7 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 64.339 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040765.D
Acq: 21 Mar 2024 23:52

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#16



Tgt Ion: 75 Resp: 20862
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

