

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040750.D
 Acq On : 21 Mar 2024 18:09
 Operator : JC/MD
 Sample : PB159677ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159677ZHE#01

Quant Time: Mar 22 02:58:50 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)

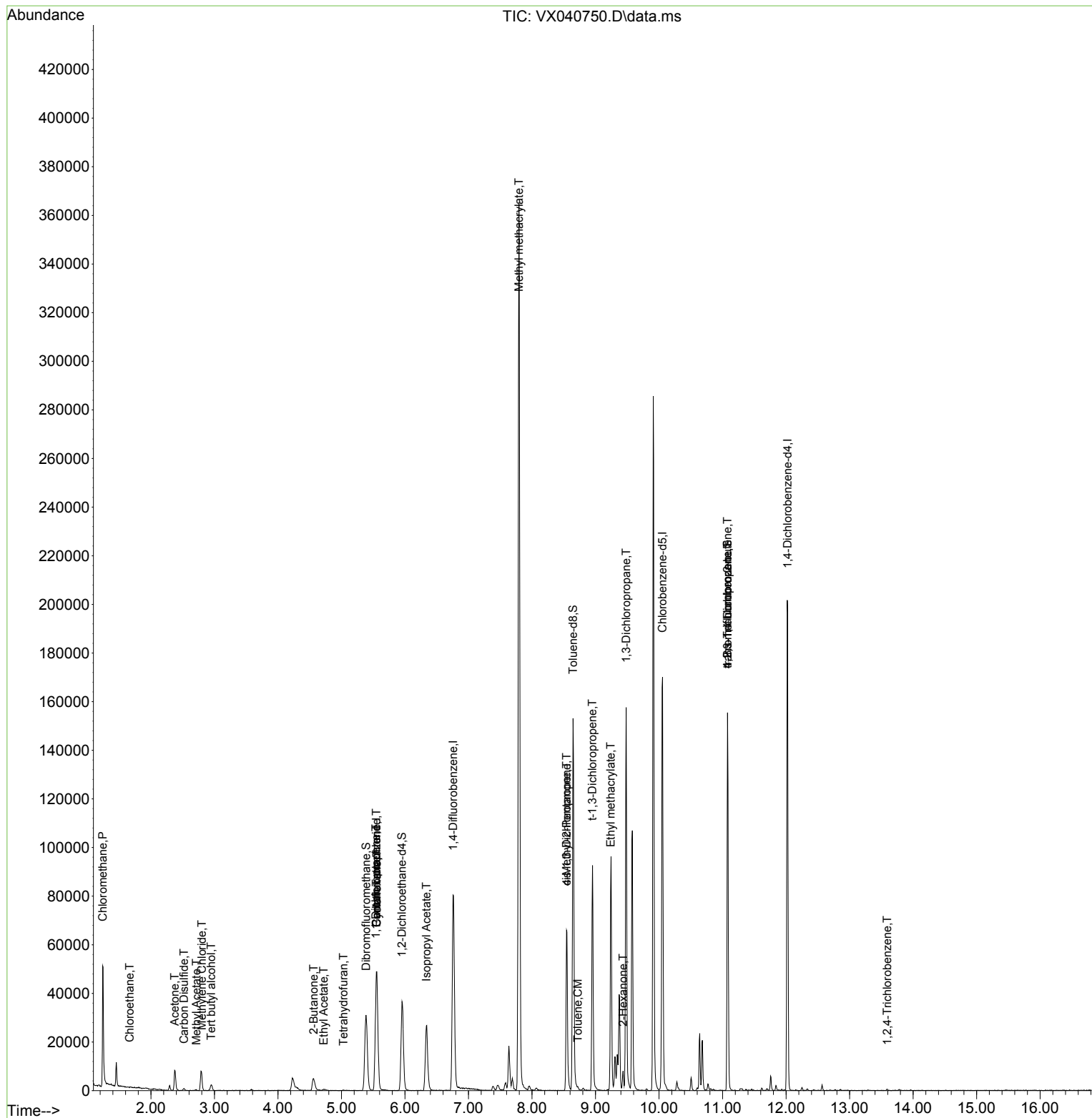
Internal Standards						
1) Pentafluorobenzene	5.549	168	44031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	77832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	72822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	39105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37190	50.232	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.460%			
35) Dibromofluoromethane	5.385	113	26632	45.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.460%			
50) Toluene-d8	8.646	98	87580	43.919	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 87.840%#			
62) 4-Bromofluorobenzene	11.079	95	38930	49.413	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.820%			
Target Compounds						Qvalue
3) Chloromethane	1.239	50	974	1.671	ug/l #	43
6) Chloroethane	1.666	64	124	0.320	ug/l #	43
11) Tert butyl alcohol	2.946	59	2539	21.416	ug/l	99
16) Acetone	2.373	43	9387	35.796	ug/l	97
17) Carbon Disulfide	2.519	76	649	0.434	ug/l #	76
18) Methyl Acetate	2.715	43	470	0.669	ug/l #	53
20) Methylene Chloride	2.800	84	3534	6.165	ug/l	87
25) 2-Butanone	4.562	43	9560	23.275	ug/l	96
29) Tetrahydrofuran	5.031	42	162	0.593	ug/l #	34
31) Cyclohexane	5.556	56	1216	1.382	ug/l #	40
36) 1,1-Dichloropropene	5.543	75	3989	4.652	ug/l #	47
37) Ethyl Acetate	4.720	43	1455	1.494	ug/l #	69
38) Carbon Tetrachloride	5.549	117	4959	5.138	ug/l #	15
43) Isopropyl Acetate	6.336	43	38208	24.988	ug/l	97
48) Methyl methacrylate	7.793	41	34176	48.903	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	25652	27.052	ug/l #	50
52) Toluene	8.720	92	288	0.204	ug/l	99
53) t-1,3-Dichloropropene	8.951	75	200	0.215	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	10213	10.618	ug/l #	65
56) Ethyl methacrylate	9.238	69	210	0.218	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1244	1.268	ug/l #	42
59) 2-Hexanone	9.433	43	4470	6.085	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	22753	27.053	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	22753	68.439	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	304	0.317	ug/l #	68

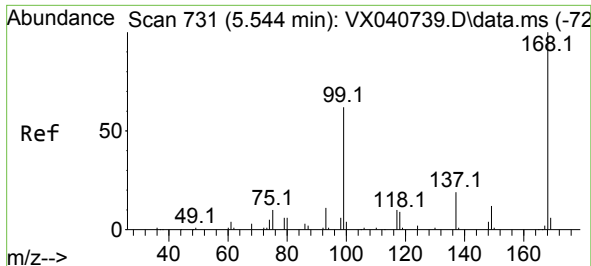
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
Data File : VX040750.D
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Instrument :
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Response via : Initial Calibration

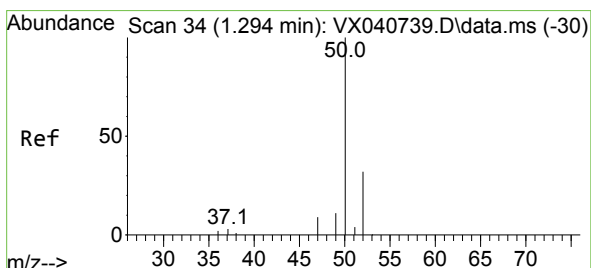
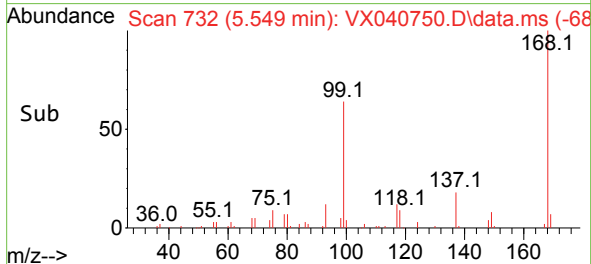
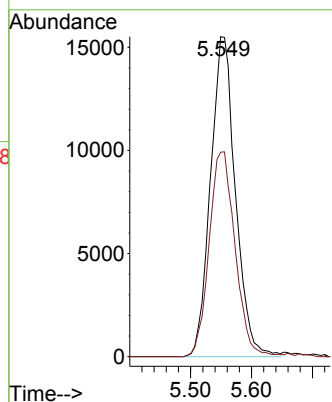
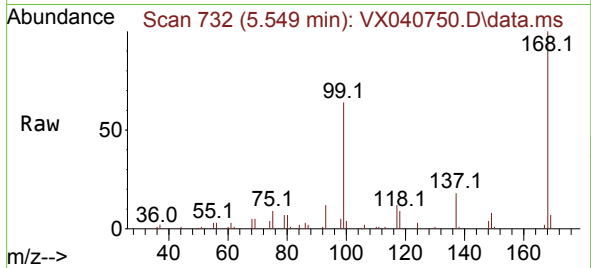




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

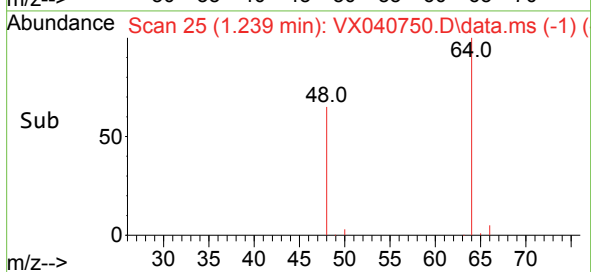
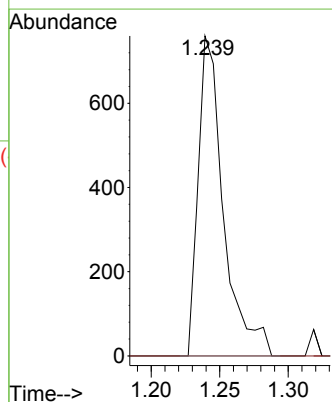
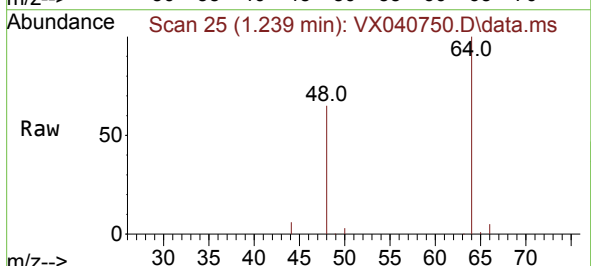
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

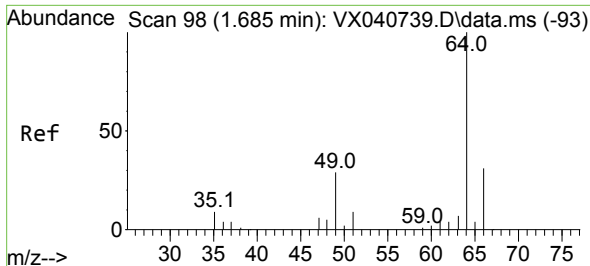
Tgt Ion:168 Resp: 44031
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#3
Chloromethane
Concen: 1.671 ug/l
RT: 1.239 min Scan# 25
Delta R.T. -0.055 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 50 Resp: 974
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

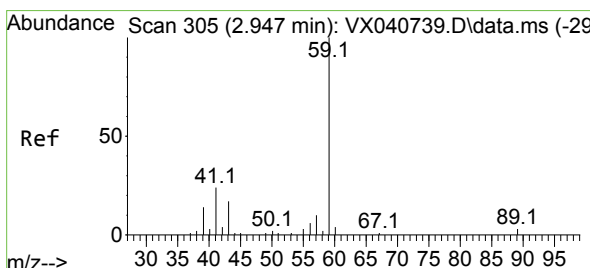
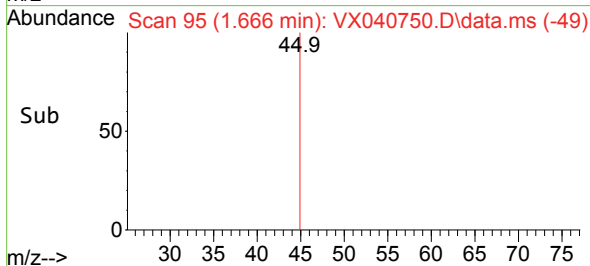
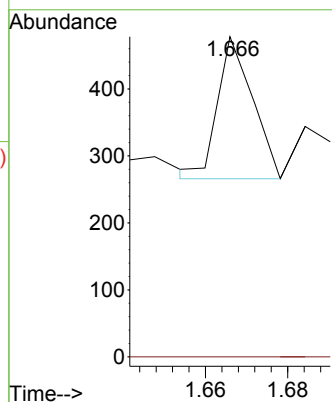
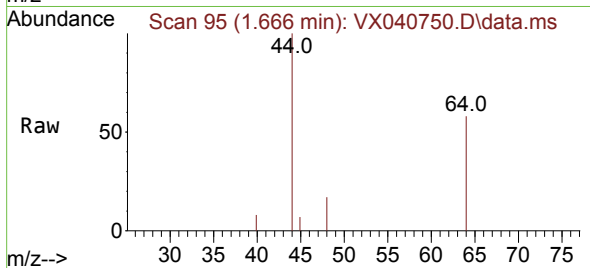




#6
Chloroethane
Concen: 0.320 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

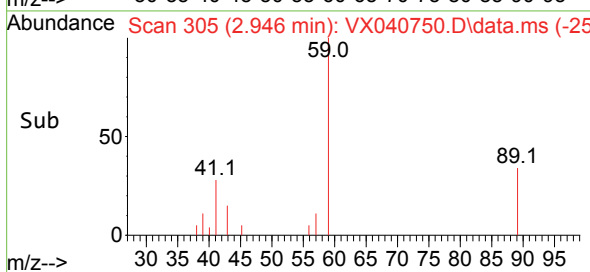
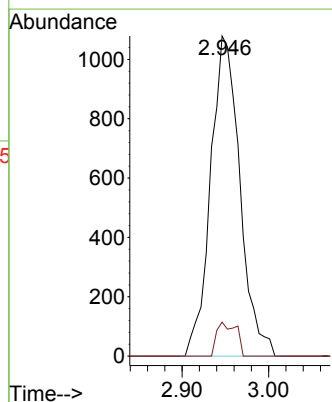
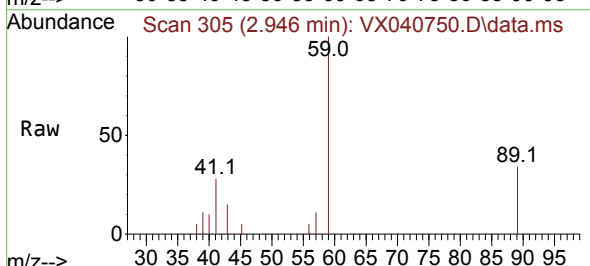
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

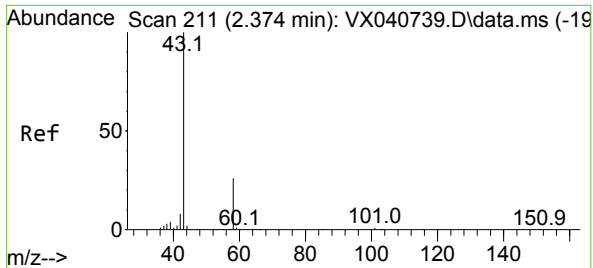
Tgt Ion: 64 Resp: 124
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 21.416 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.001 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 59 Resp: 2539
Ion Ratio Lower Upper
59 100
57 7.0 6.0 9.0

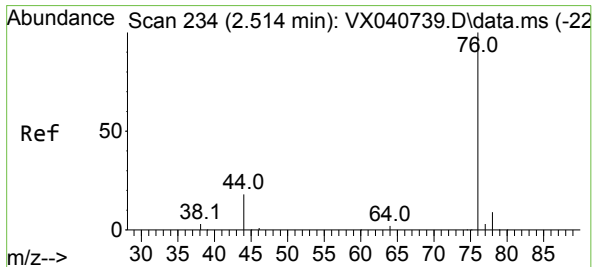
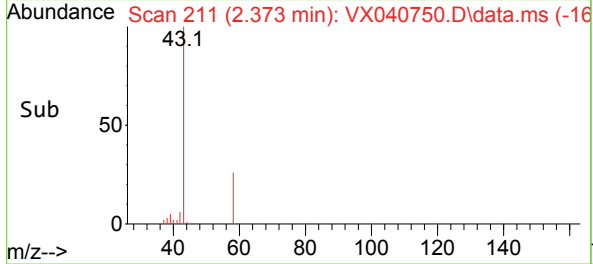
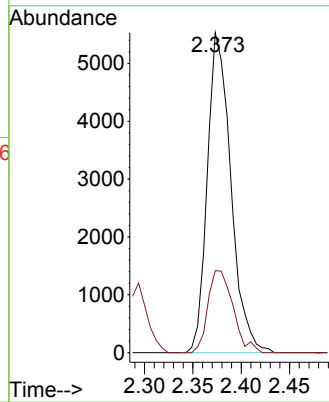
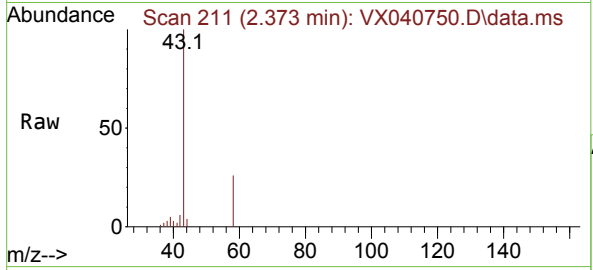




#16
Acetone
Concen: 35.796 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.001 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

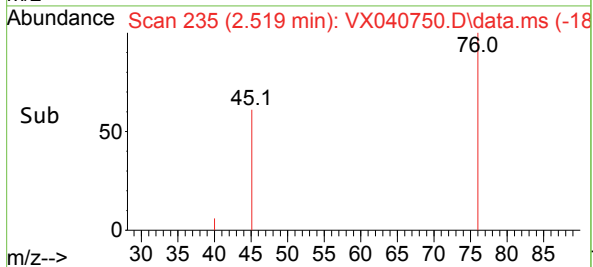
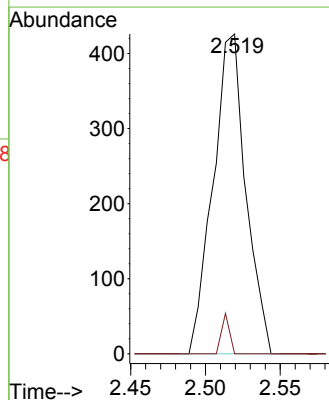
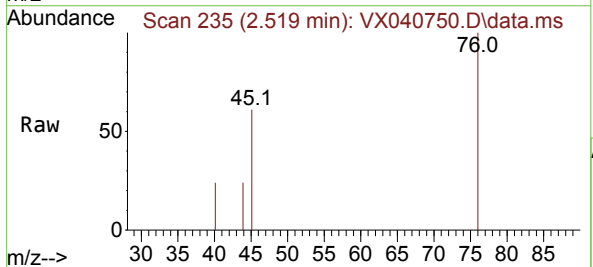
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

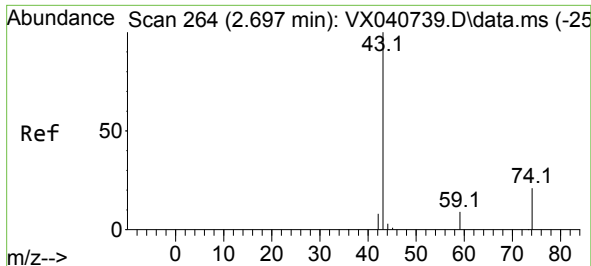
Tgt Ion: 43 Resp: 9387
Ion Ratio Lower Upper
43 100
58 25.6 21.9 32.9



#17
Carbon Disulfide
Concen: 0.434 ug/l
RT: 2.519 min Scan# 235
Delta R.T. 0.005 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 76 Resp: 649
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

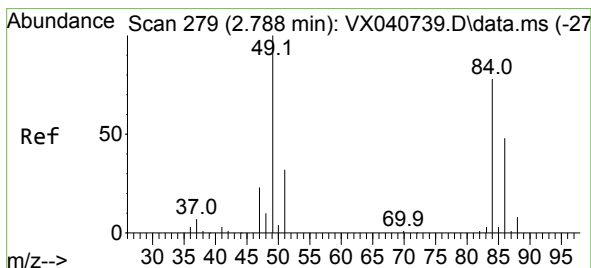
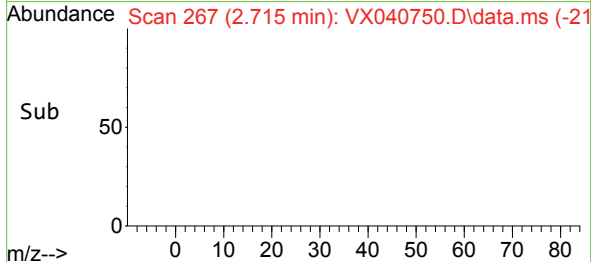
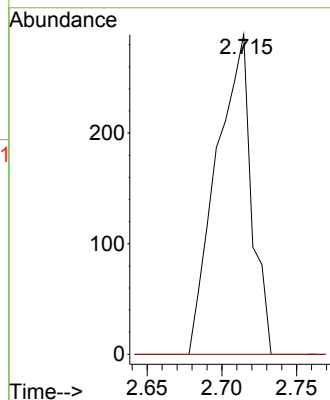
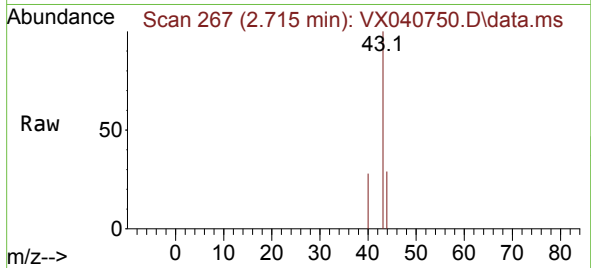




#18
Methyl Acetate
Concen: 0.669 ug/l
RT: 2.715 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

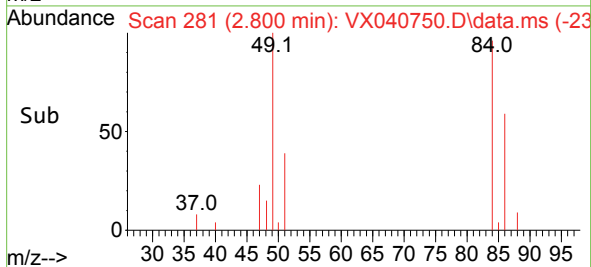
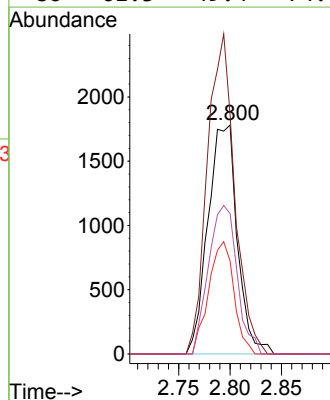
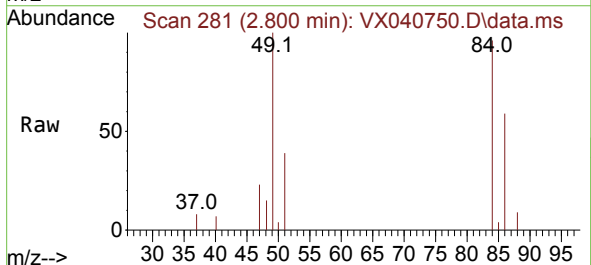
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

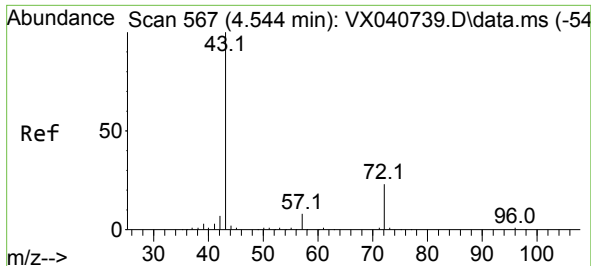
Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 6.165 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 84 Resp: 3534
Ion Ratio Lower Upper
84 100
49 104.3 103.6 155.4
51 40.5 33.8 50.6
86 61.3 49.4 74.0





#25

2-Butanone

Concen: 23.275 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX040750.D

Acq: 21 Mar 2024 18:09

Instrument :

MSVOA_X

ClientSampleId :

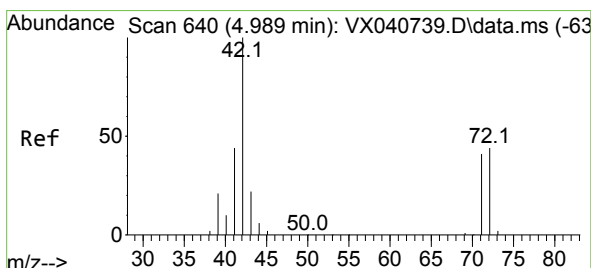
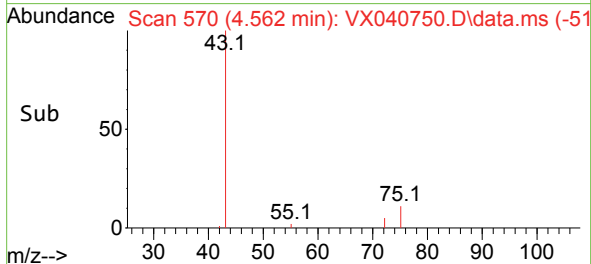
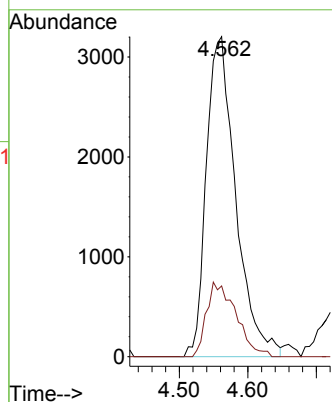
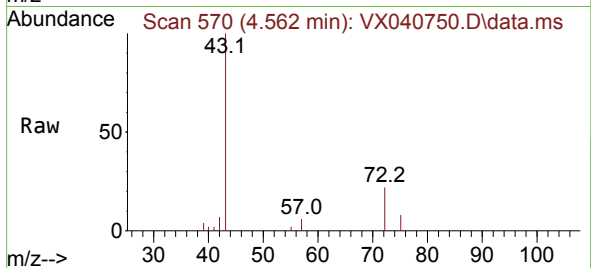
PB159677ZHE#01

Tgt Ion: 43 Resp: 9560

Ion Ratio Lower Upper

43 100

72 22.1 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.593 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.042 min

Lab File: VX040750.D

Acq: 21 Mar 2024 18:09

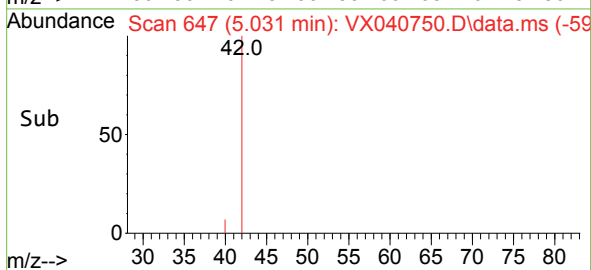
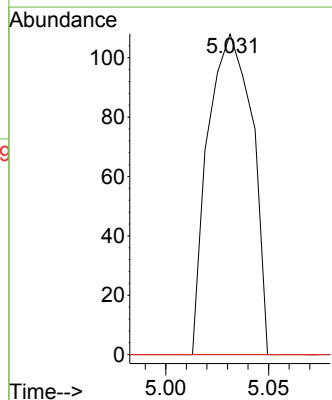
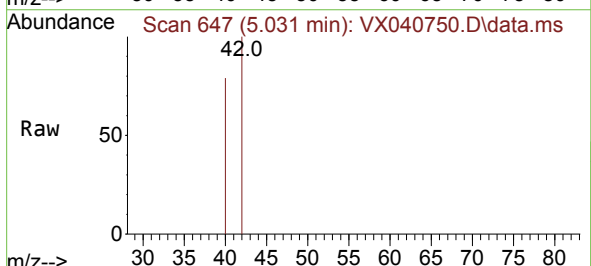
Tgt Ion: 42 Resp: 162

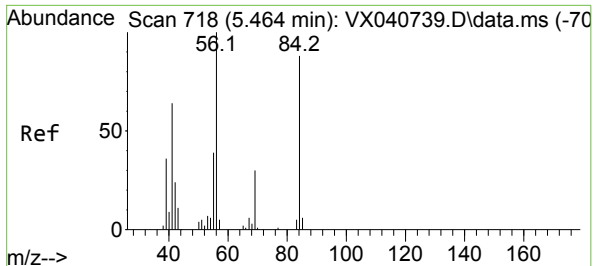
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

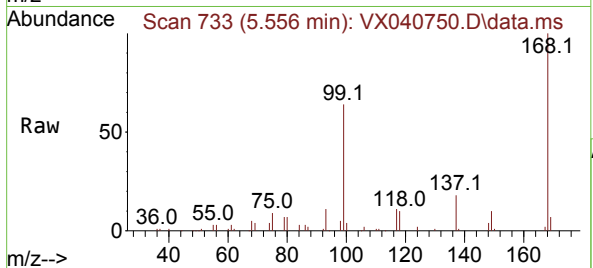
71 0.0 32.2 48.2#



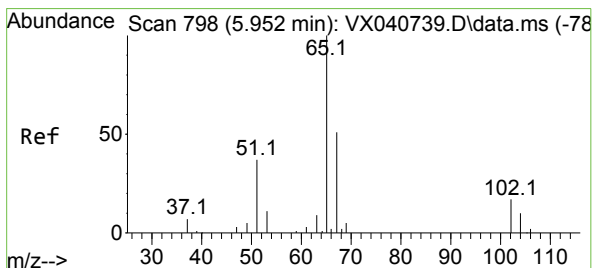
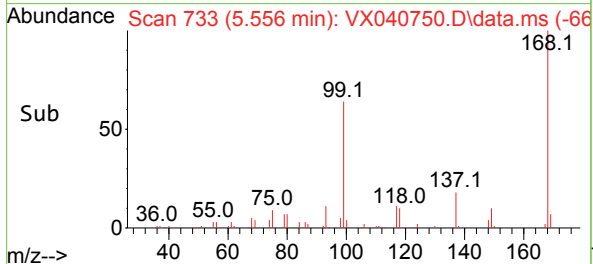
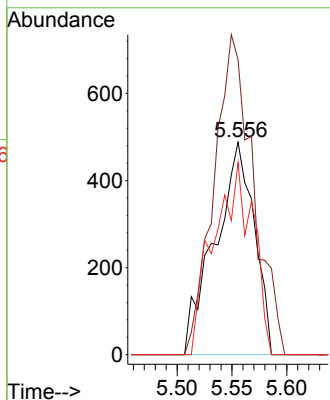


#31
Cyclohexane
Concen: 1.382 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

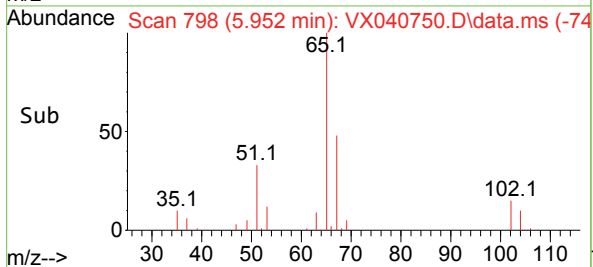
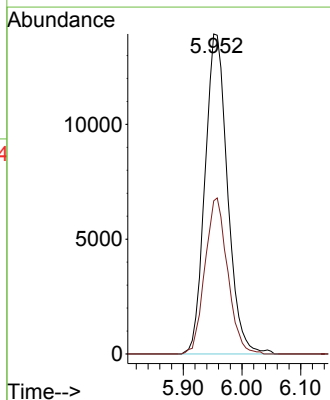
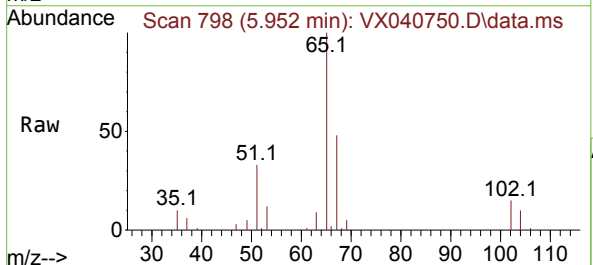


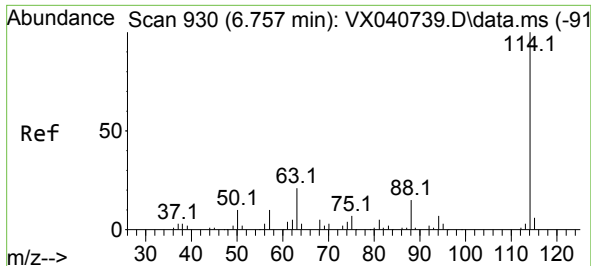
Tgt Ion: 56 Resp: 1216
Ion Ratio Lower Upper
56 100
69 138.9 23.4 35.2#
84 90.4 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 50.232 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 65 Resp: 37190
Ion Ratio Lower Upper
65 100
67 48.9 0.0 100.2

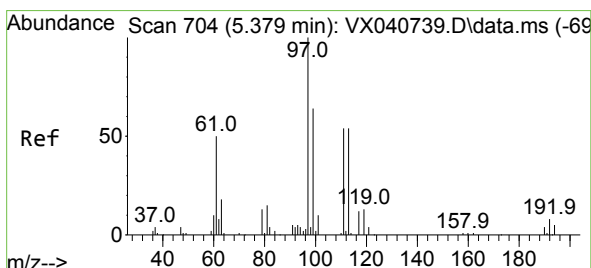
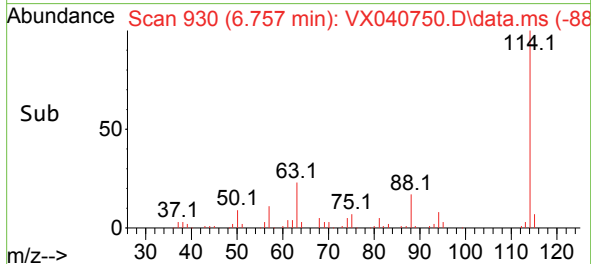
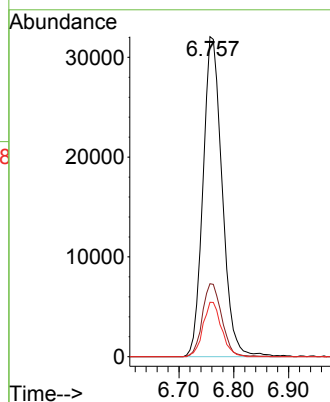
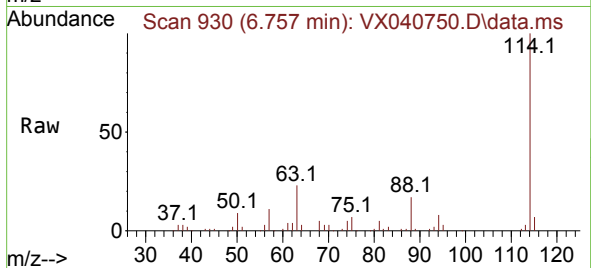




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

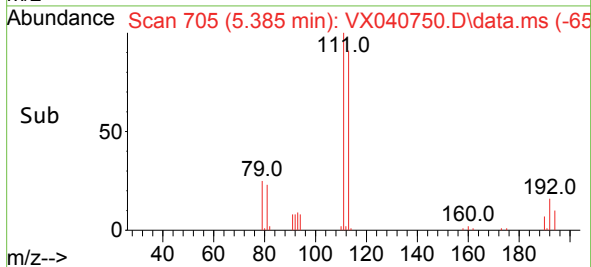
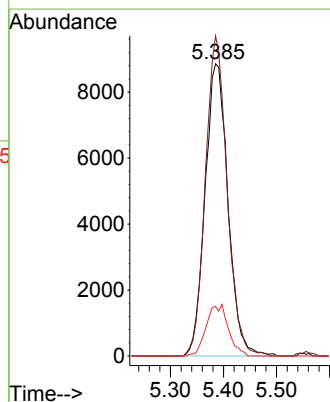
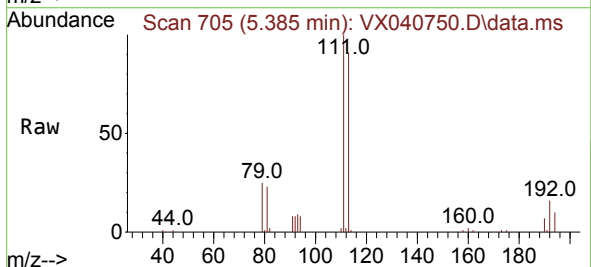
Instrument :
MSVOA_X
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PB159677ZHE#01

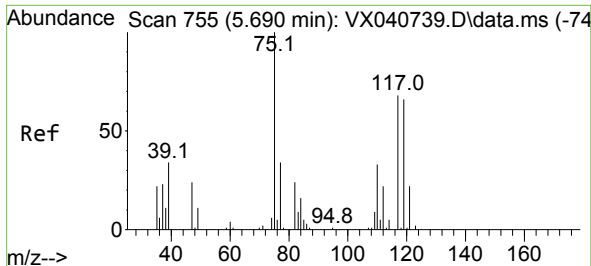
Tgt Ion:114 Resp: 77832
Ion Ratio Lower Upper
114 100
63 22.8 0.0 45.0
88 17.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.729 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion:113 Resp: 26632
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 16.9 13.3 19.9

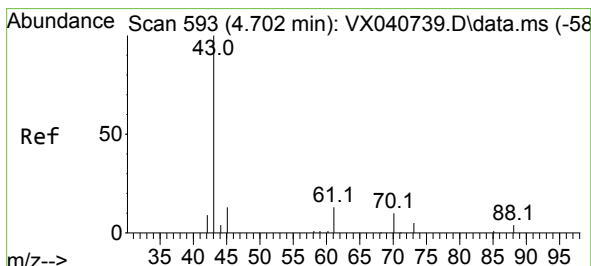
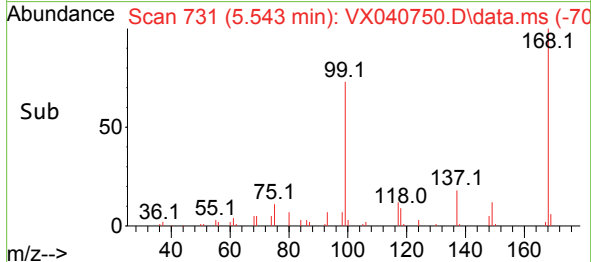
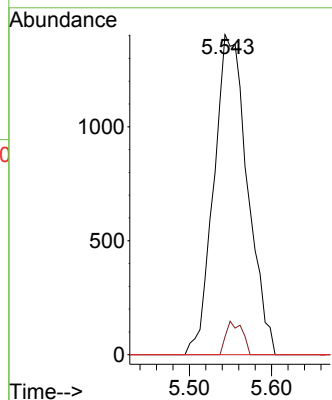
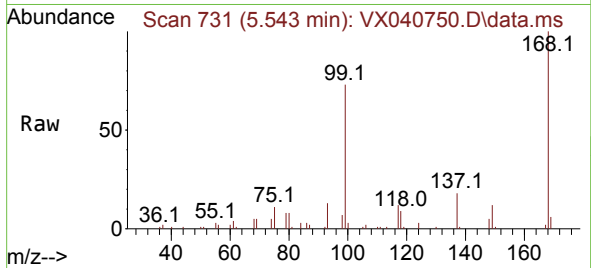




#36
1,1-Dichloropropene
Concen: 4.652 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

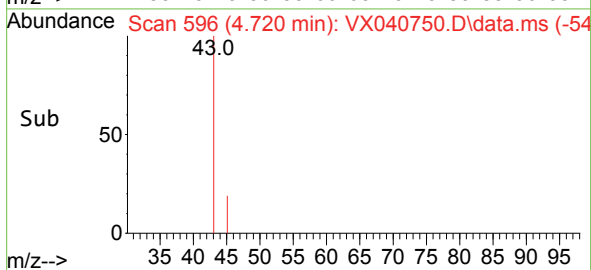
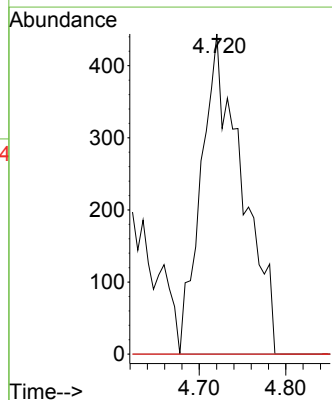
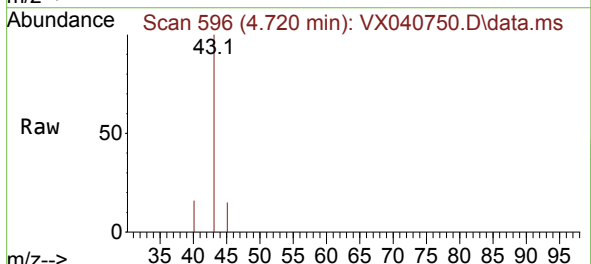
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

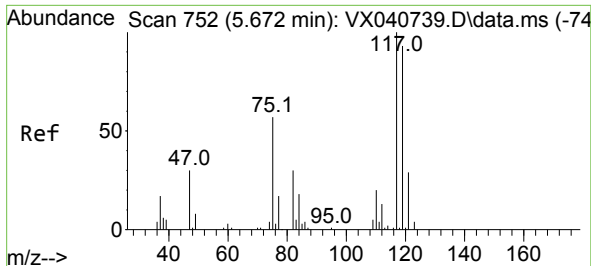
Tgt Ion: 75 Resp: 3989
Ion Ratio Lower Upper
75 100
110 5.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.494 ug/l
RT: 4.720 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

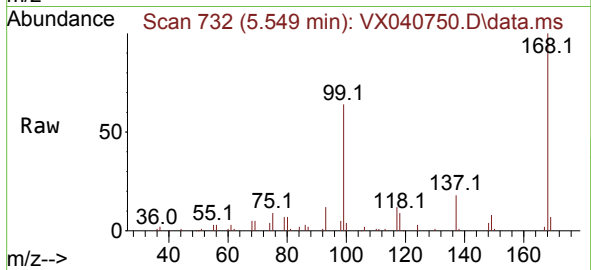
Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



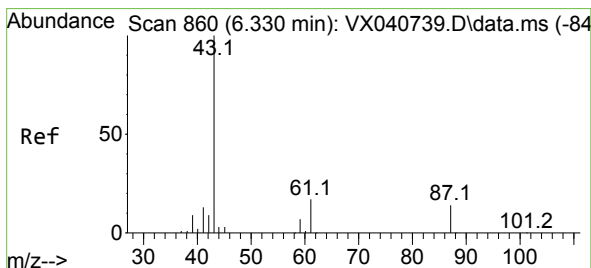
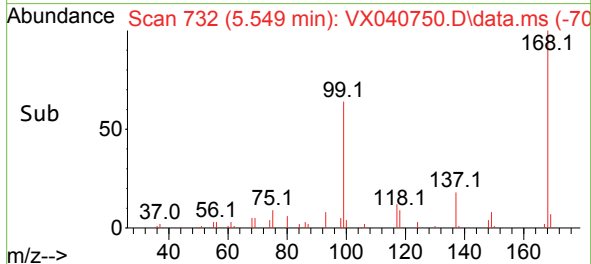
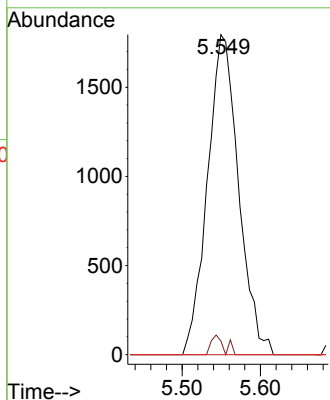


#38
Carbon Tetrachloride
Concen: 5.138 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

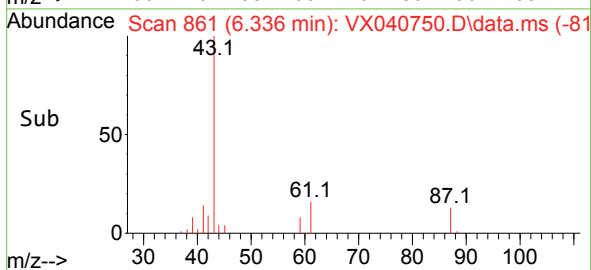
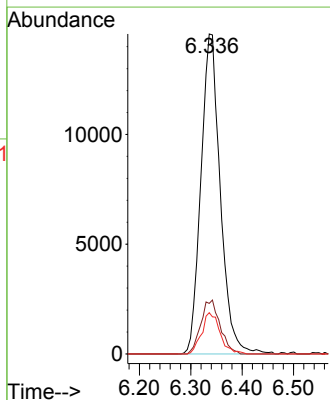
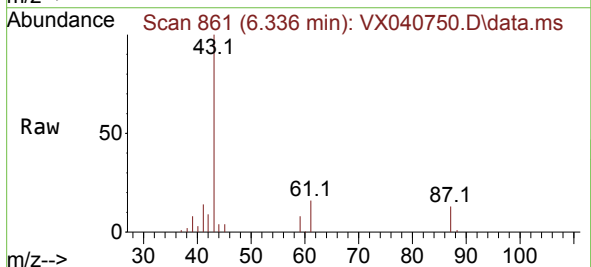


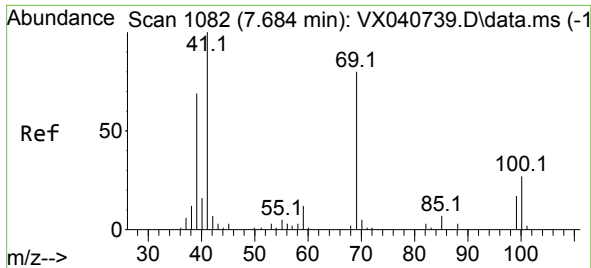
Tgt Ion:117 Resp: 4959
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 24.988 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 43 Resp: 38208
Ion Ratio Lower Upper
43 100
61 16.7 15.2 22.8
87 12.2 9.8 14.6

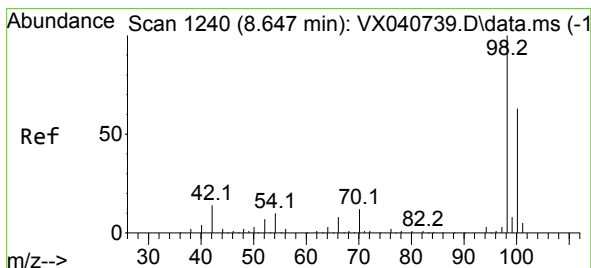
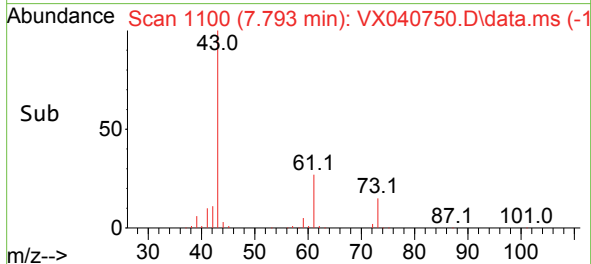
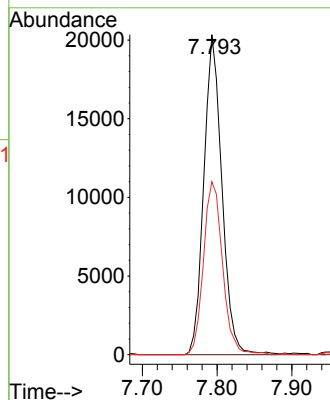
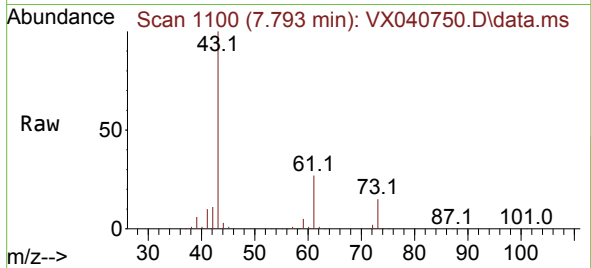




#48
Methyl methacrylate
Concen: 48.903 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.109 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

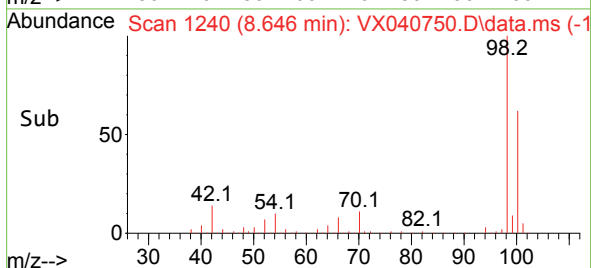
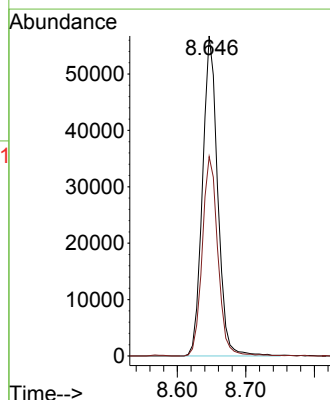
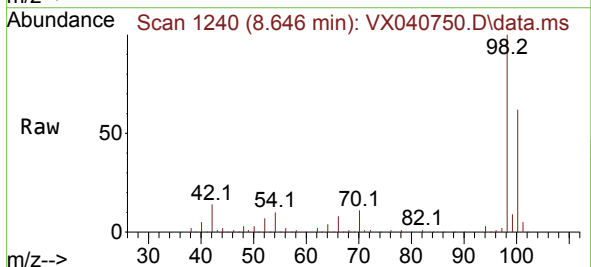
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

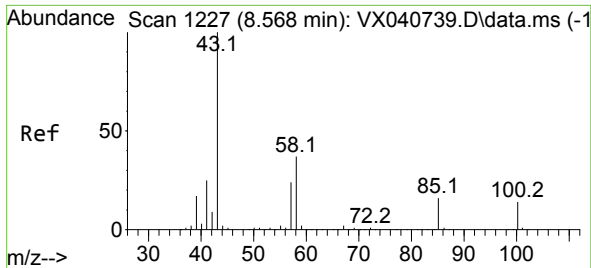
Tgt Ion: 41 Resp: 34176
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.0 47.7 71.5



#50
Toluene-d8
Concen: 43.919 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 98 Resp: 87580
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

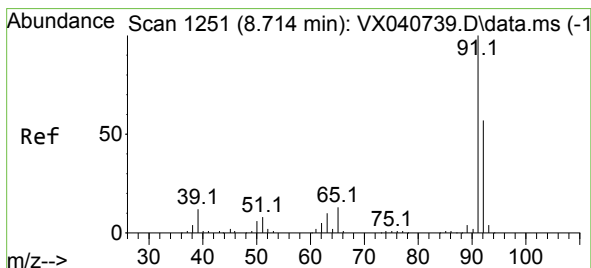
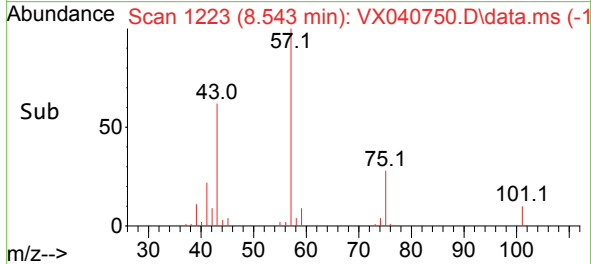
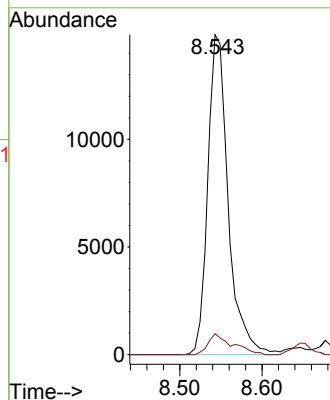
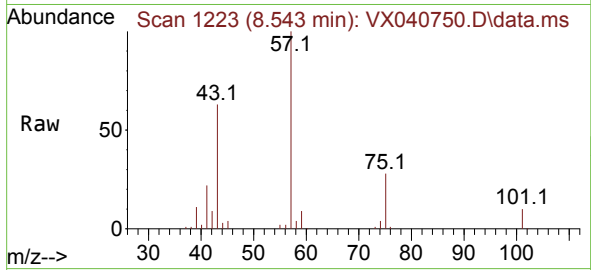




#51
4-Methyl-2-Pentanone
Concen: 27.052 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

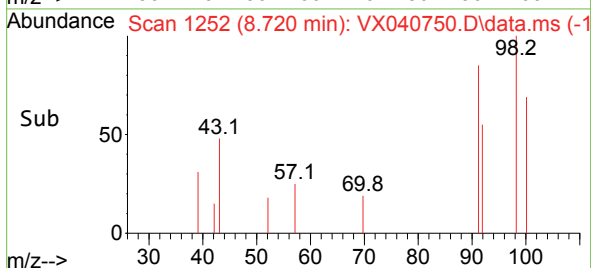
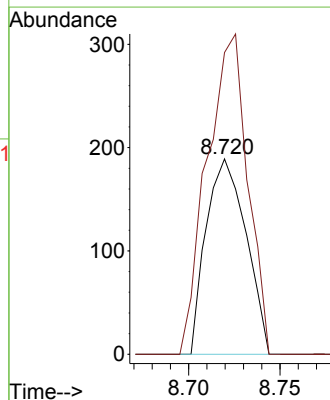
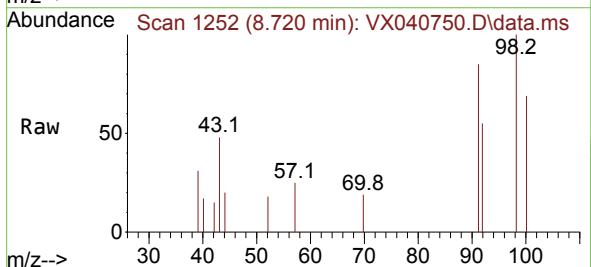
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

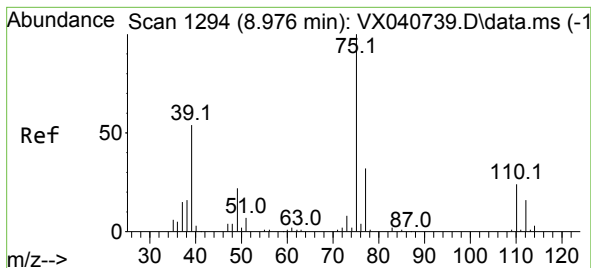
Tgt Ion: 43 Resp: 25652
Ion Ratio Lower Upper
43 100
58 7.8 30.4 45.6#



#52
Toluene
Concen: 0.204 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 92 Resp: 288
Ion Ratio Lower Upper
92 100
91 166.7 134.2 201.2

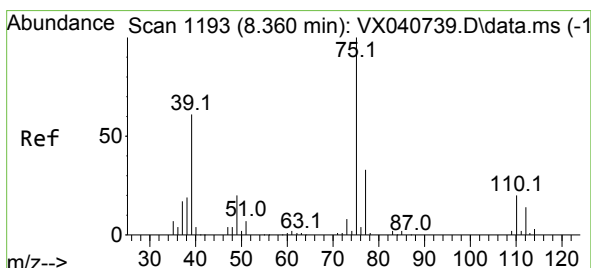
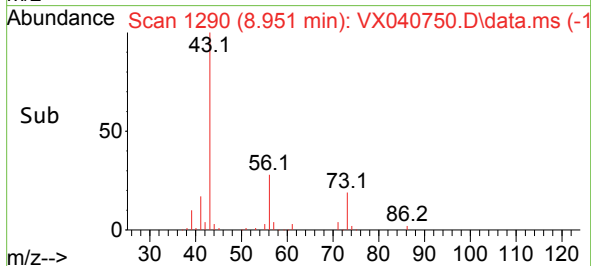
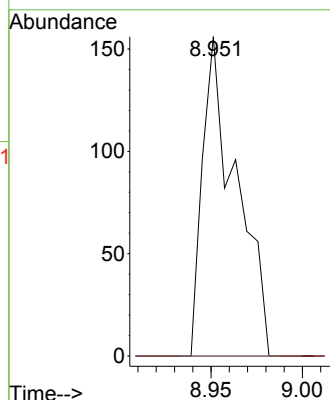
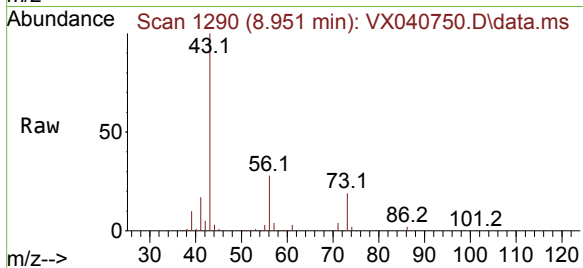




#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 8.951 min Scan# 1123
Delta R.T. -0.025 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

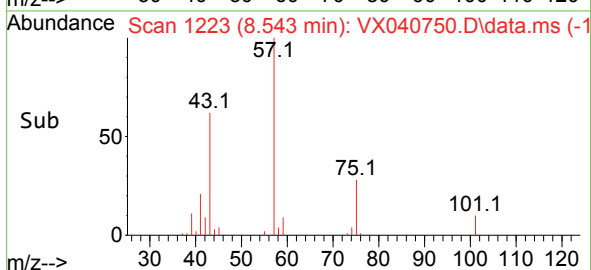
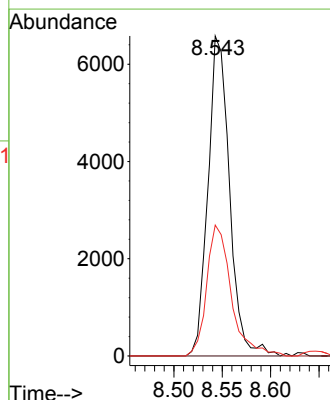
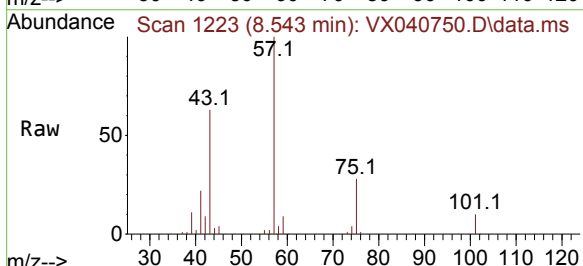
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

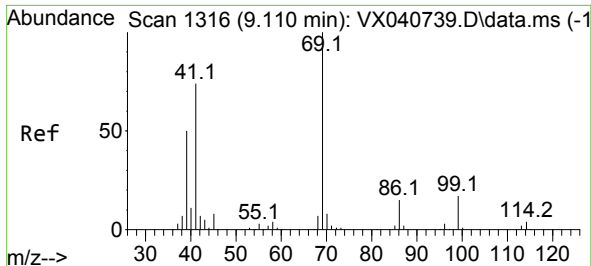
Tgt Ion: 75 Resp: 200
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 10.618 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.182 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 75 Resp: 10213
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 40.9 46.7 70.1#

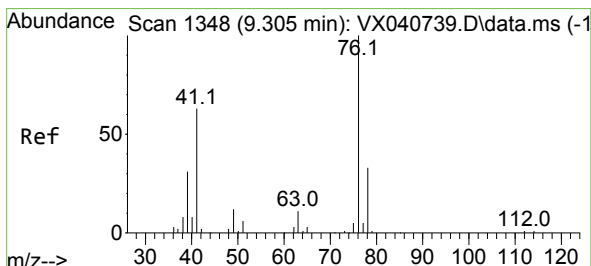
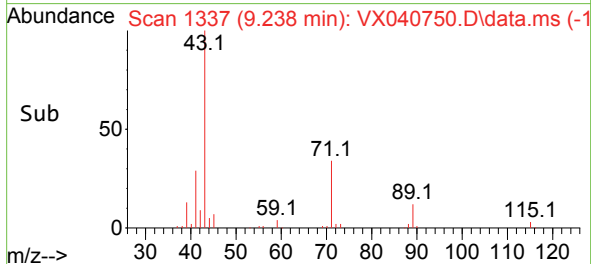
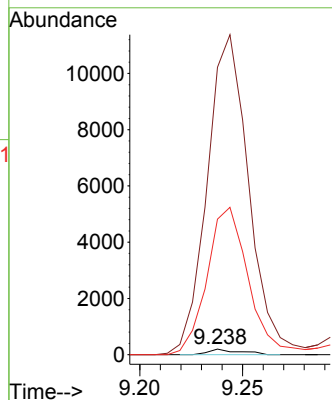
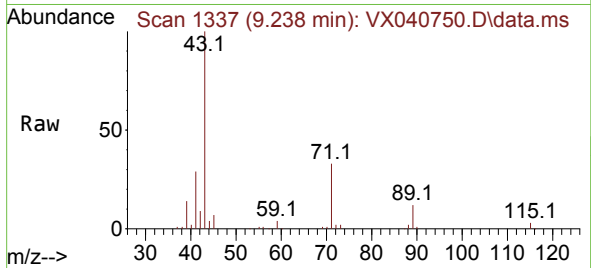




#56
Ethyl methacrylate
Concen: 0.218 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.128 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

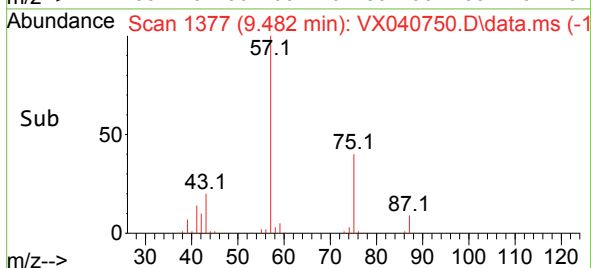
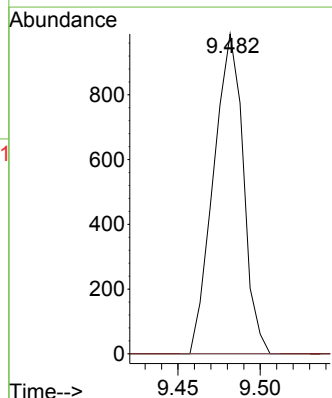
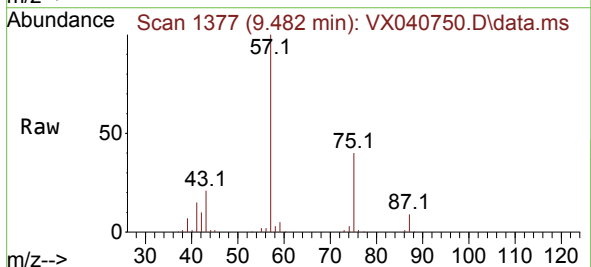
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

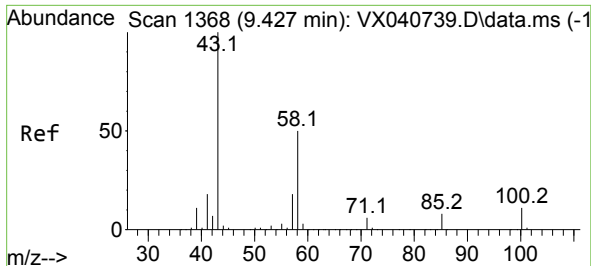
Tgt Ion: 69 Resp: 210
Ion Ratio Lower Upper
69 100
41 7662.4 56.8 85.2#
39 3506.7 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.268 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 76 Resp: 1244
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

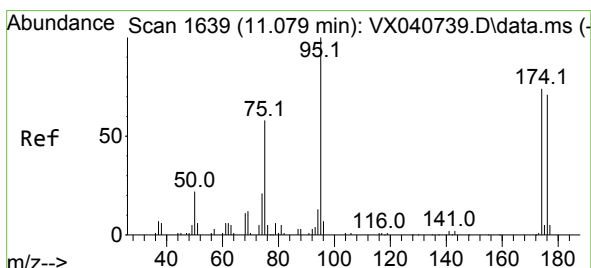
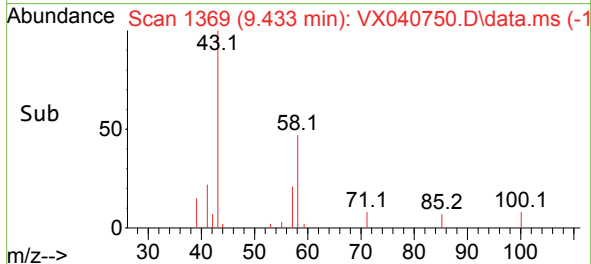
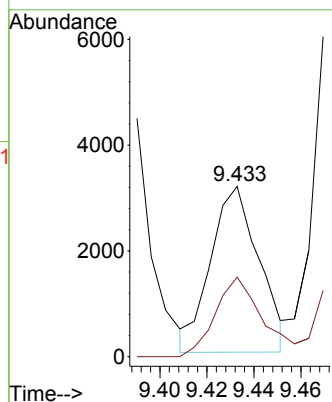
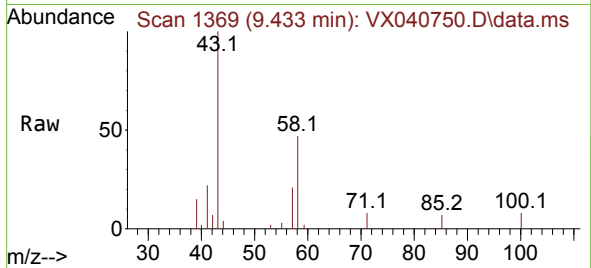




#59
2-Hexanone
Concen: 6.085 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

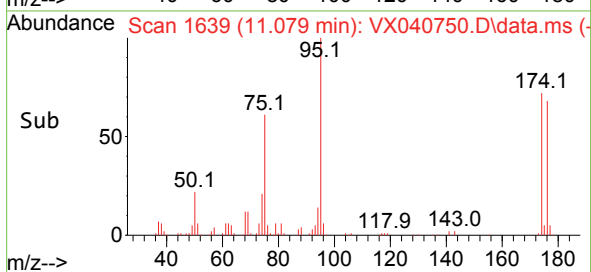
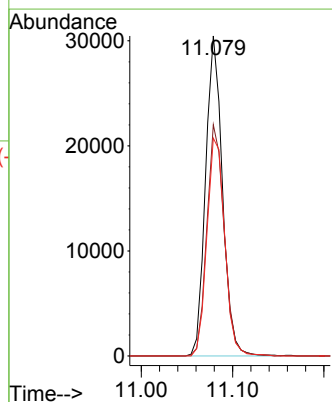
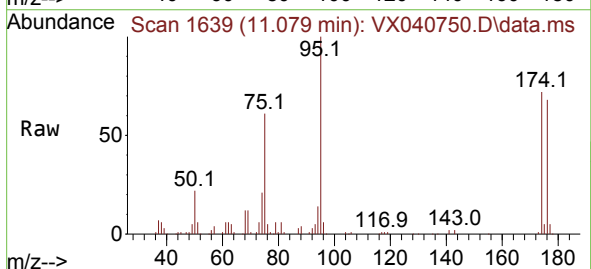
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

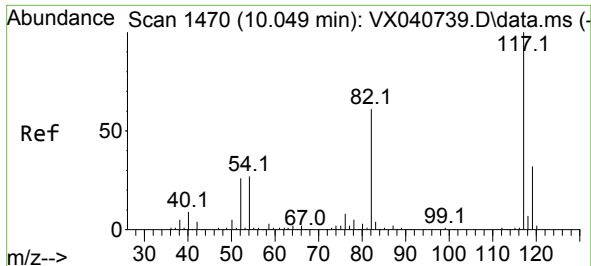
Tgt Ion: 43 Resp: 4470
Ion Ratio Lower Upper
43 100
58 46.6 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 49.413 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion: 95 Resp: 38930
Ion Ratio Lower Upper
95 100
174 74.6 0.0 135.6
176 71.8 0.0 131.0

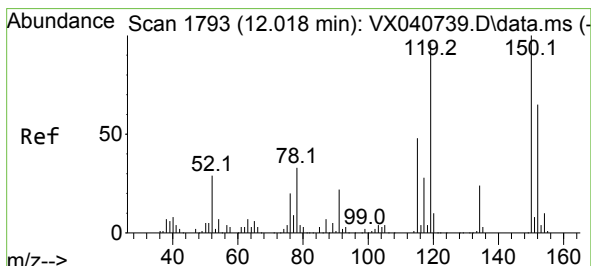
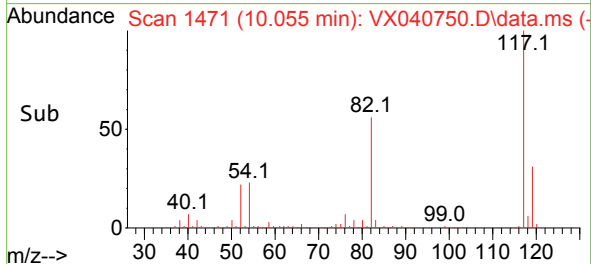
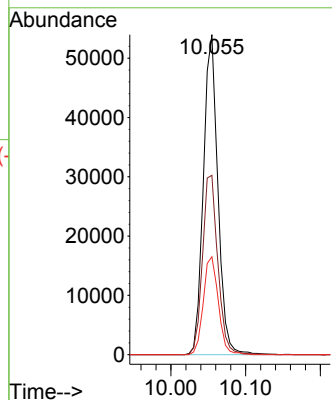
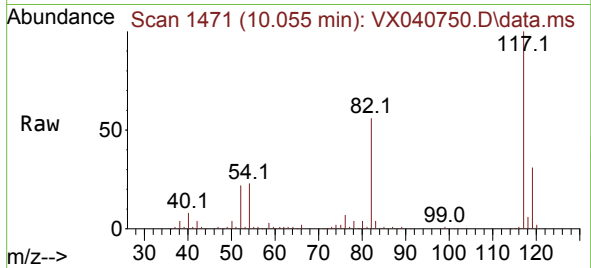




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

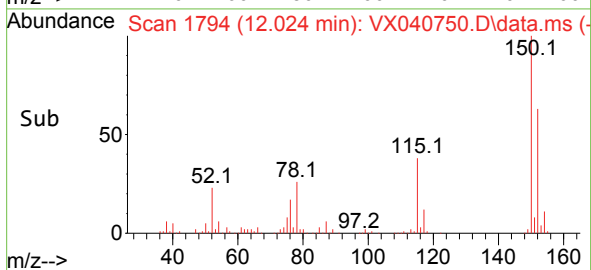
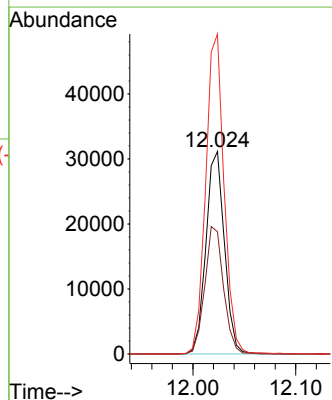
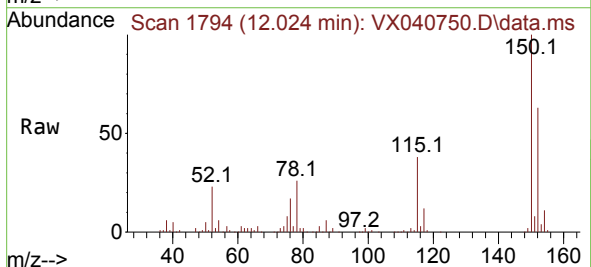
Instrument :
MSVOA_X
ClientSampleId :
PB159677ZHE#01

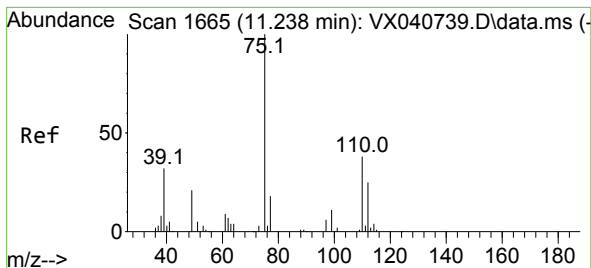
Tgt Ion:117 Resp: 72822
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.4
119 30.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040750.D
Acq: 21 Mar 2024 18:09

Tgt Ion:152 Resp: 39105
Ion Ratio Lower Upper
152 100
115 63.8 43.3 129.9
150 156.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.053 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040750.D

Acq: 21 Mar 2024 18:09

Instrument :

MSVOA_X

ClientSampleId :

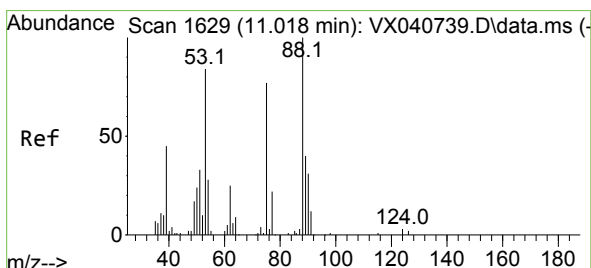
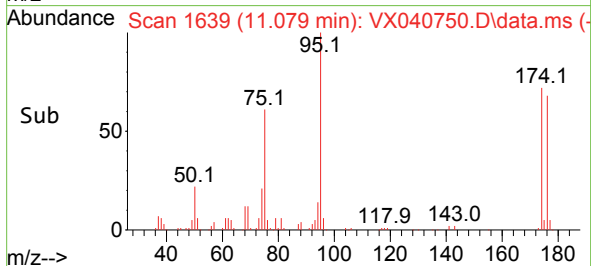
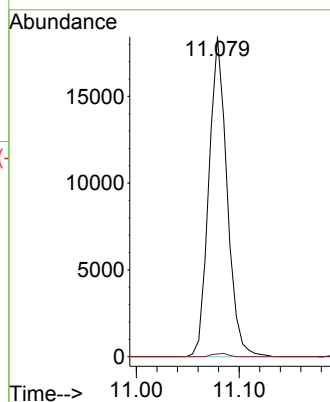
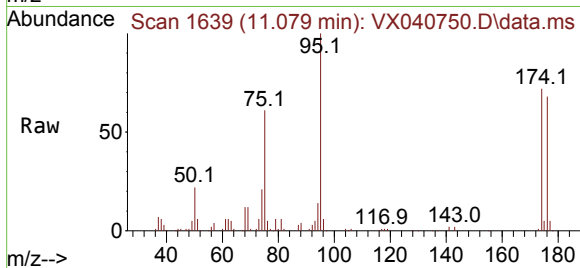
PB159677ZHE#01

Tgt Ion: 75 Resp: 22753

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.439 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040750.D

Acq: 21 Mar 2024 18:09

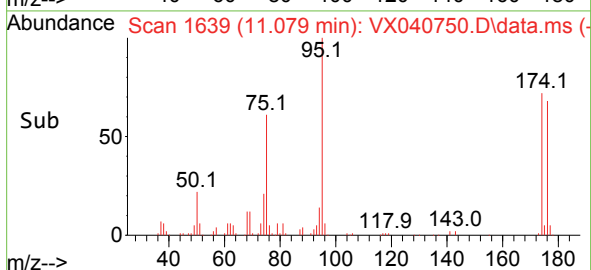
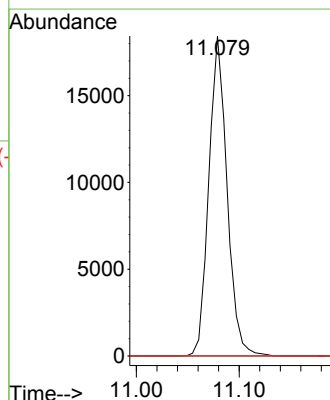
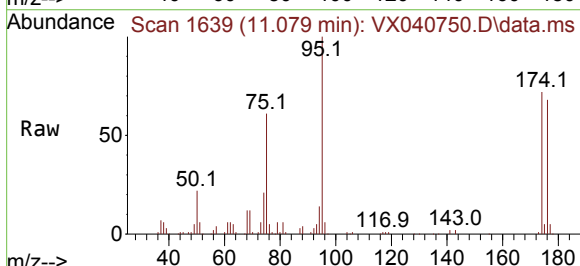
Tgt Ion: 75 Resp: 22753

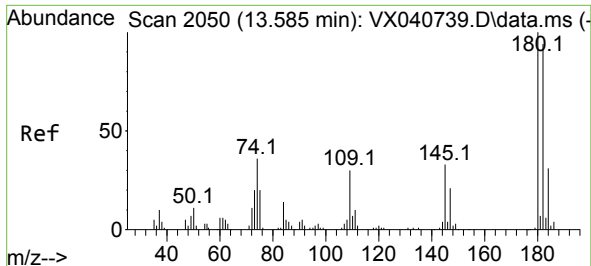
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.317 ug/l

RT: 13.591 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX040750.D

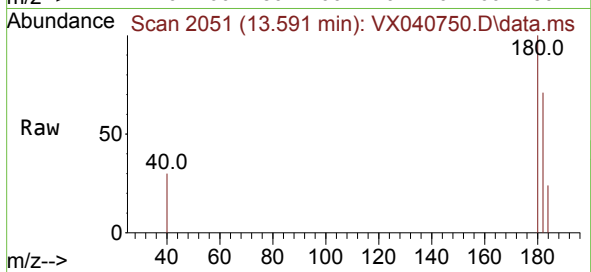
Acq: 21 Mar 2024 18:09

Instrument :

MSVOA_X

ClientSampleId :

PB159677ZHE#01



Tgt Ion:180 Resp: 304

Ion Ratio Lower Upper

180 100

182 76.0 48.3 144.8

145 0.0 18.0 54.0#

