

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
 Data File : VX040894.D
 Acq On : 05 Apr 2024 11:36
 Operator : JC/MD
 Sample : PB160019ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB160019ZHE#02

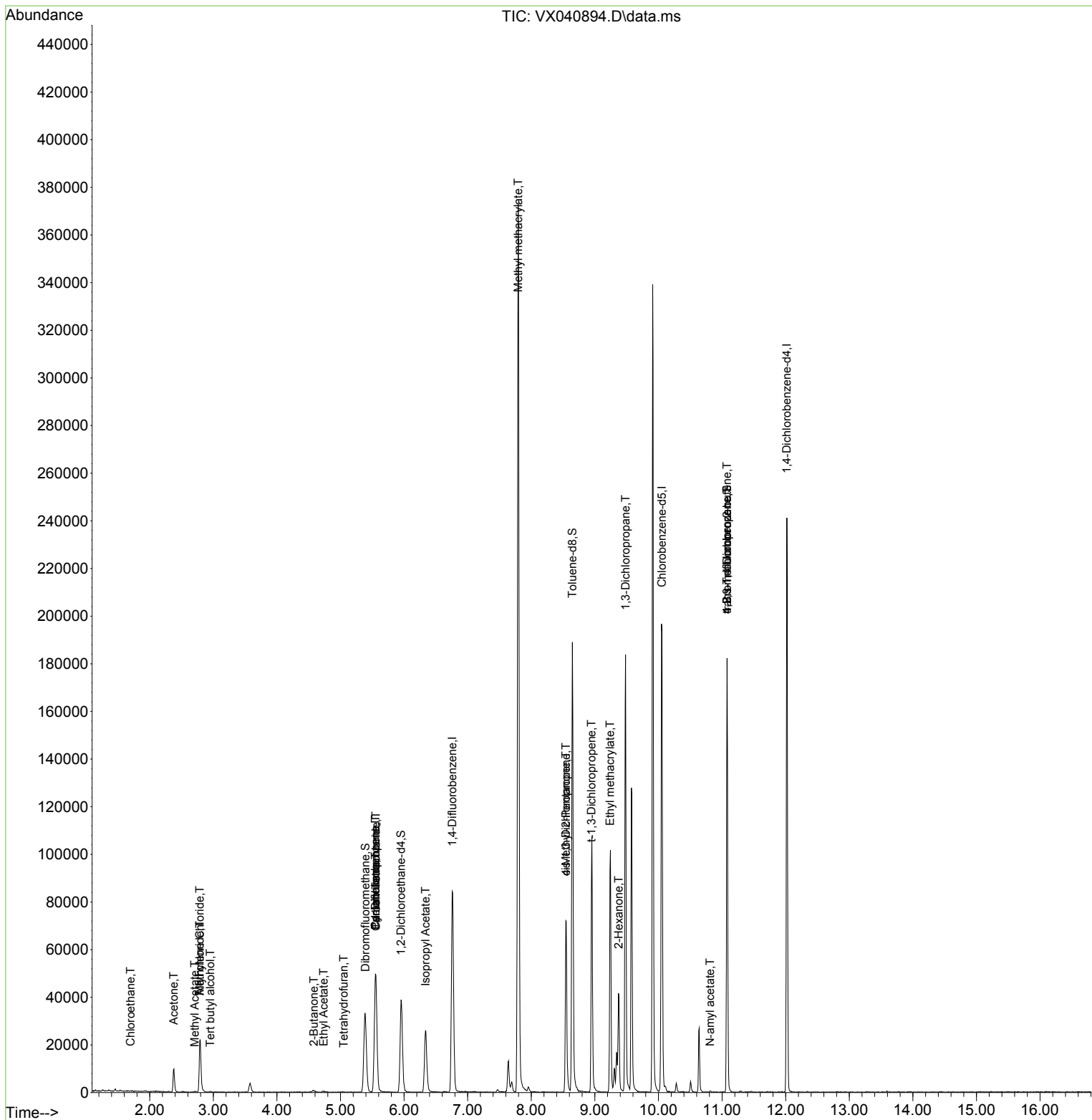
Quant Time: Apr 05 23:18:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

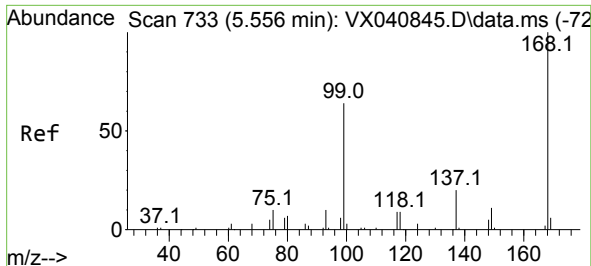
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	44385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	81161	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	83964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	39174	49.189	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.380%		
35) Dibromofluoromethane	5.391	113	28170	49.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.000%		
50) Toluene-d8	8.647	98	104023	50.077	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.160%		
62) 4-Bromofluorobenzene	11.079	95	44210	53.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.580%		
Target Compounds						Qvalue
6) Chloroethane	1.697	64	111	0.321	ug/l #	43
11) Tert butyl alcohol	2.953	59	292	2.008	ug/l #	78
14) Allyl chloride	2.788	41	357	0.401	ug/l #	24
16) Acetone	2.380	43	10404	33.645	ug/l	93
18) Methyl Acetate	2.709	43	421	0.574	ug/l #	77
20) Methylene Chloride	2.788	84	10331	18.028	ug/l	99
25) 2-Butanone	4.580	43	1097	2.388	ug/l #	86
29) Tetrahydrofuran	5.050	42	135	0.452	ug/l #	34
31) Cyclohexane	5.550	56	1133	1.341	ug/l #	31
36) 1,1-Dichloropropene	5.550	75	4195	5.136	ug/l #	45
37) Ethyl Acetate	4.733	43	807	0.805	ug/l #	69
38) Carbon Tetrachloride	5.556	117	5218	5.771	ug/l #	16
43) Isopropyl Acetate	6.336	43	37058	23.924	ug/l	97
48) Methyl methacrylate	7.793	41	35550	46.868	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	28031	27.282	ug/l #	50
53) t-1,3-Dichloropropene	8.946	75	226	0.989	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	10719	11.713	ug/l #	66
56) Ethyl methacrylate	9.238	69	215	0.224	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1500	1.536	ug/l #	42
59) 2-Hexanone	9.372	43	33656	40.844	ug/l #	26
74) N-amyl acetate	10.811	43	314	0.201	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	26908	28.630	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	26908	77.244	ug/l #	5

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

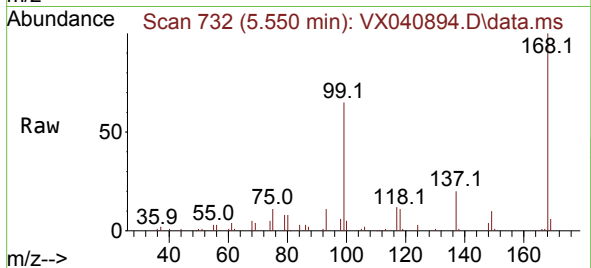
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Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:40:55 2024
Response via : Initial Calibration



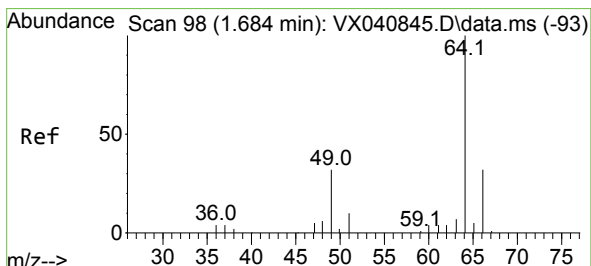
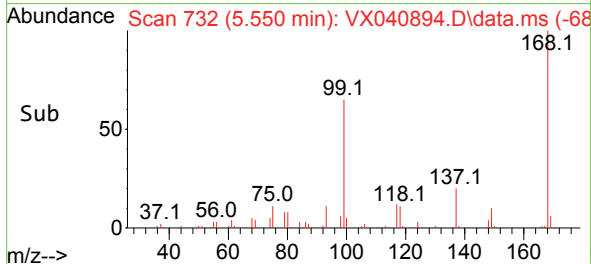
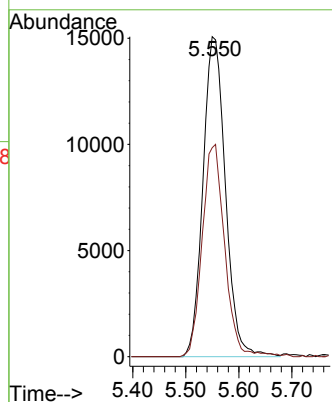


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

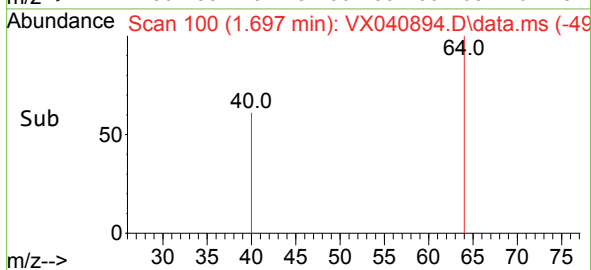
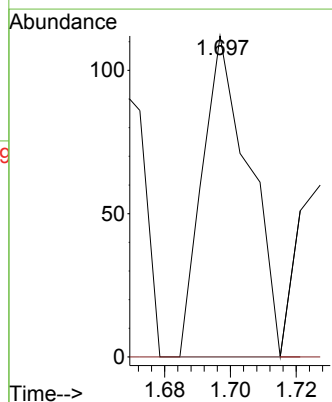
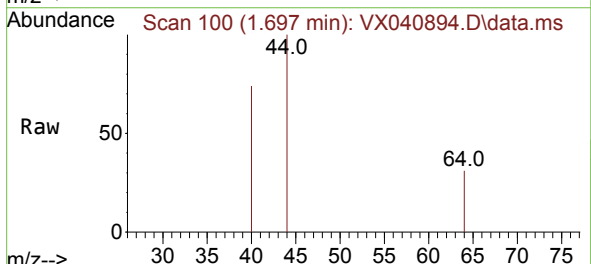


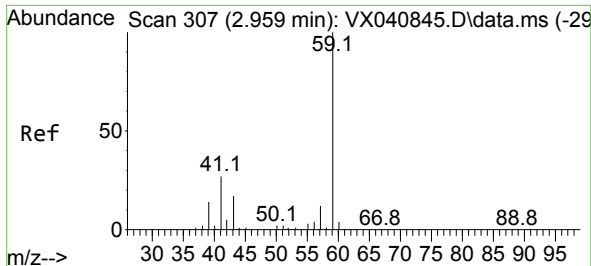
Tgt Ion:168 Resp: 44385
Ion Ratio Lower Upper
168 100
99 65.3 56.6 85.0



#6
Chloroethane
Concen: 0.321 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion: 64 Resp: 111
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

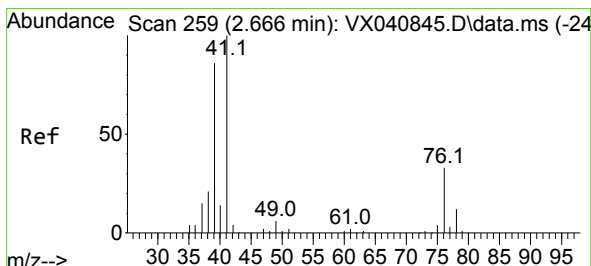
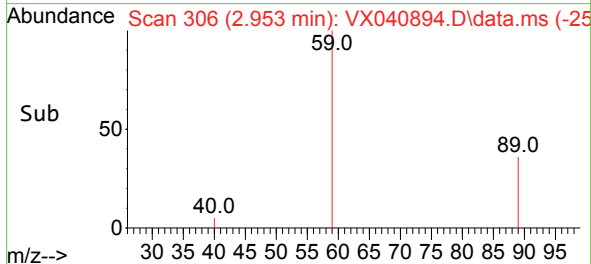
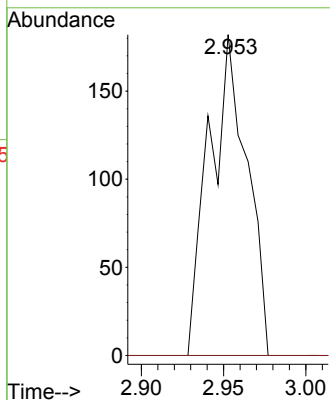
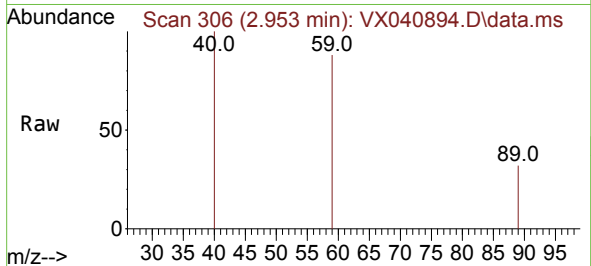




#11
Tert butyl alcohol
Concen: 2.008 ug/l
RT: 2.953 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

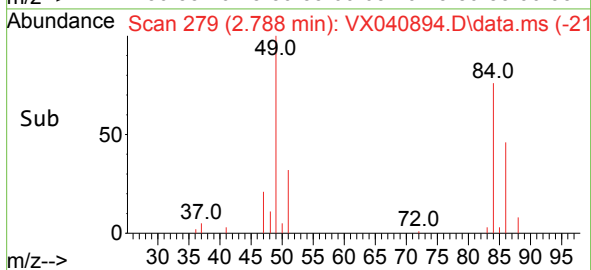
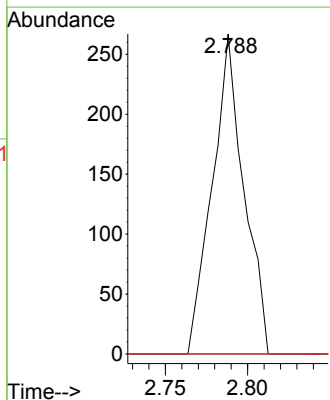
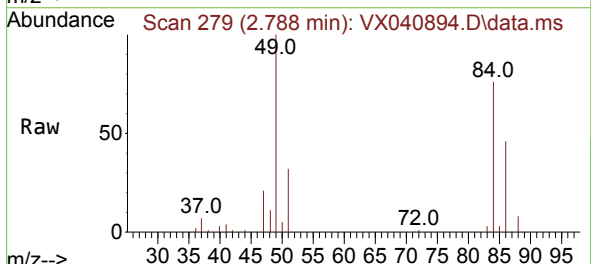
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

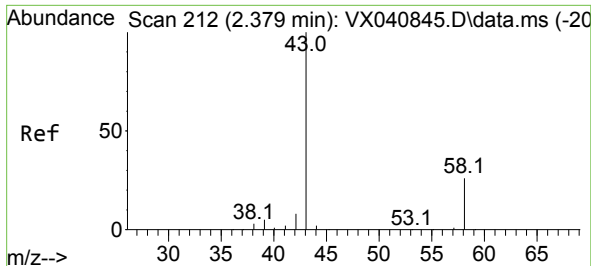
Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#14
Allyl chloride
Concen: 0.401 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.122 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion: 41 Resp: 357
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
76 0.0 24.3 36.5#





#16

Acetone

Concen: 33.645 ug/l

RT: 2.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040894.D

Acq: 05 Apr 2024 11:36

Instrument :

MSVOA_X

ClientSampleId :

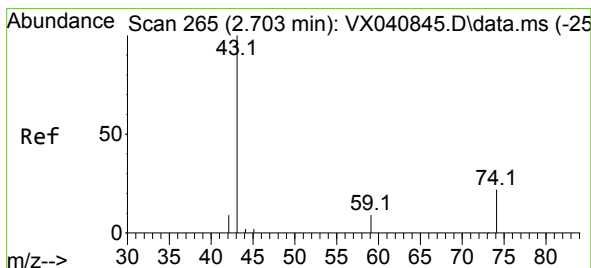
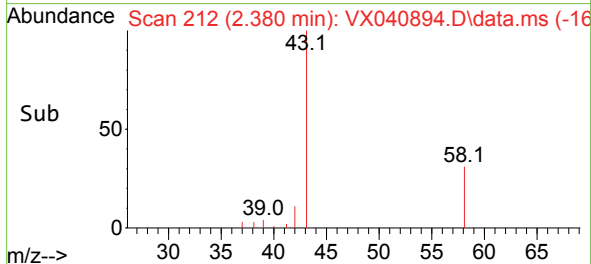
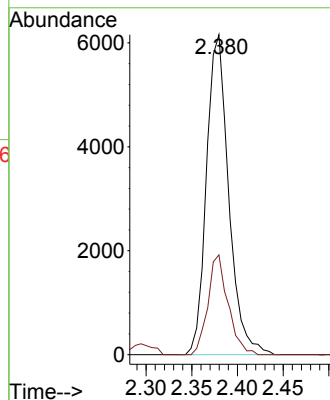
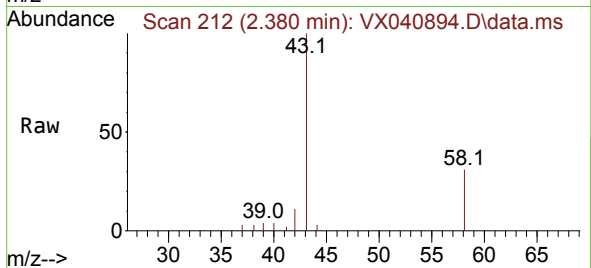
PB160019ZHE#02

Tgt Ion: 43 Resp: 10404

Ion Ratio Lower Upper

43 100

58 31.2 21.9 32.9



#18

Methyl Acetate

Concen: 0.574 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX040894.D

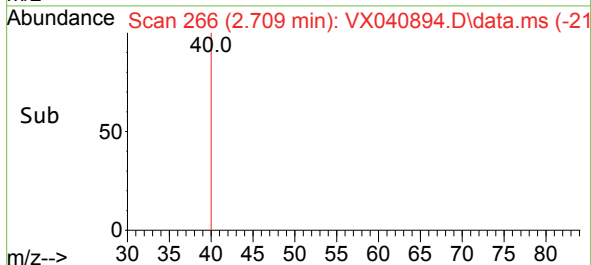
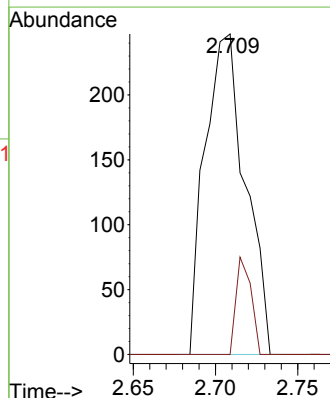
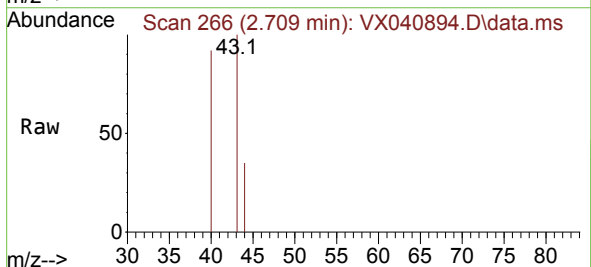
Acq: 05 Apr 2024 11:36

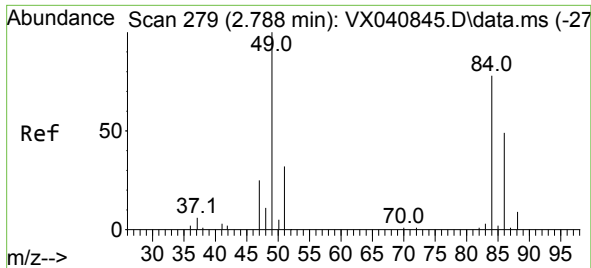
Tgt Ion: 43 Resp: 421

Ion Ratio Lower Upper

43 100

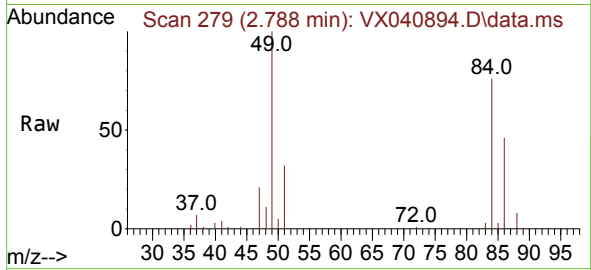
74 11.4 17.8 26.8#



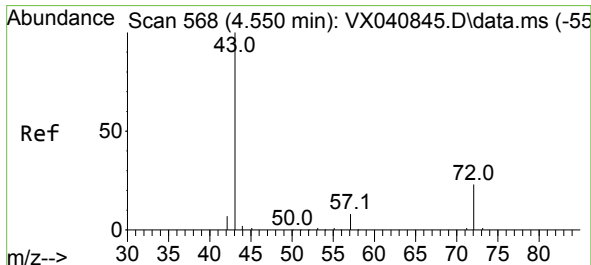
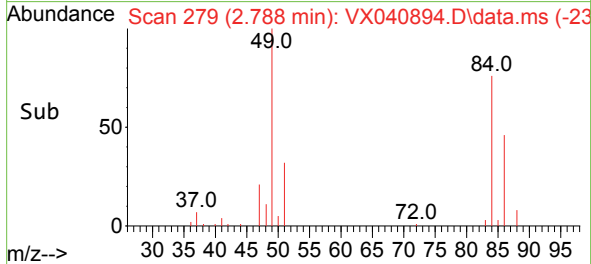
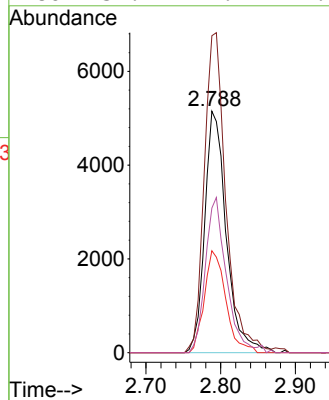


#20
Methylene Chloride
Concen: 18.028 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

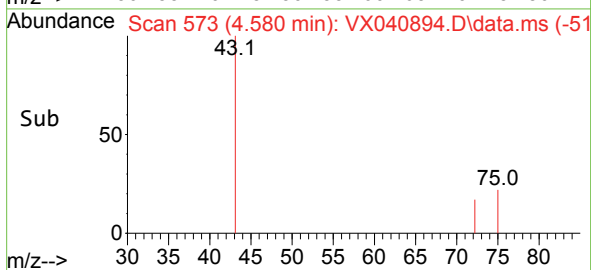
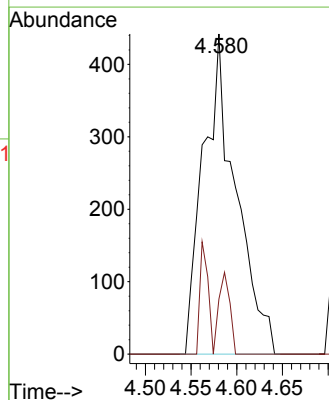
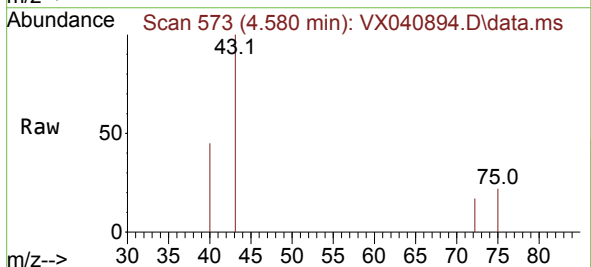


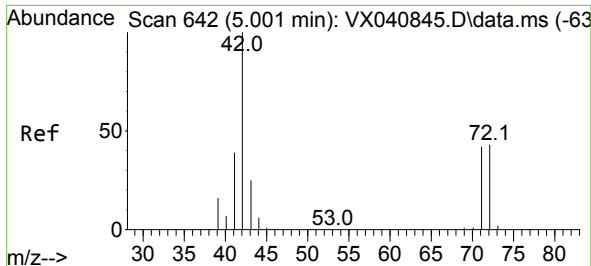
Tgt Ion: 84	Resp: 10331
Ion Ratio	Lower Upper
84 100	
49 131.3	103.6 155.4
51 42.2	33.8 50.6
86 59.9	49.4 74.0



#25
2-Butanone
Concen: 2.388 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.031 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion: 43	Resp: 1097
Ion Ratio	Lower Upper
43 100	
72 17.2	19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.452 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX040894.D

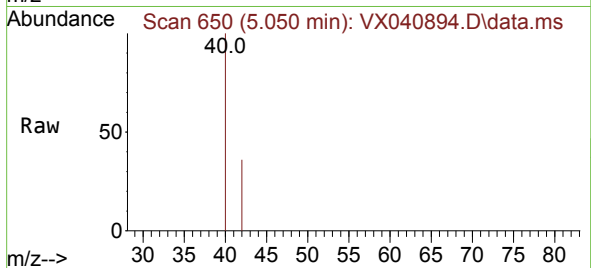
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Instrument :

MSVOA_X

ClientSampleId :

PB160019ZHE#02



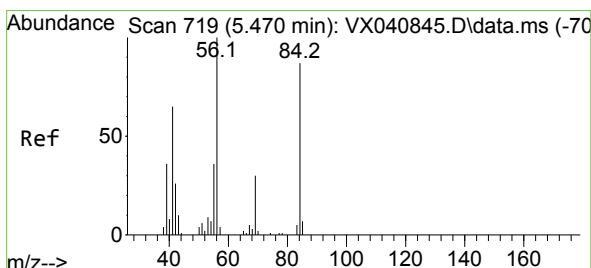
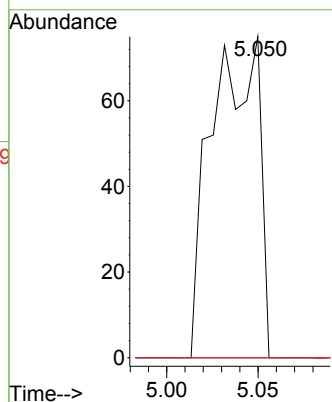
Tgt Ion: 42 Resp: 135

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.341 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040894.D

Acq: 05 Apr 2024 11:36

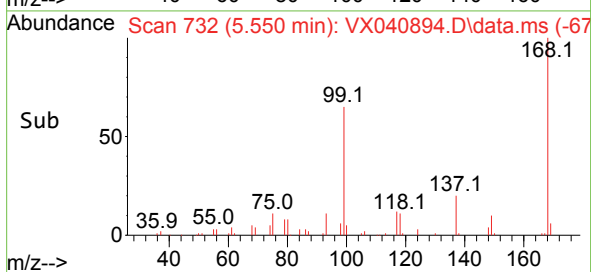
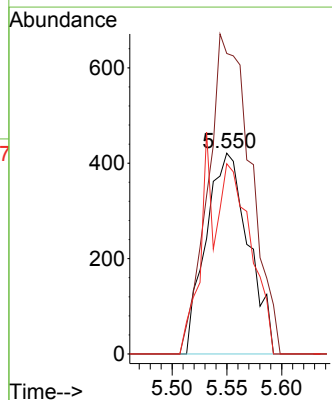
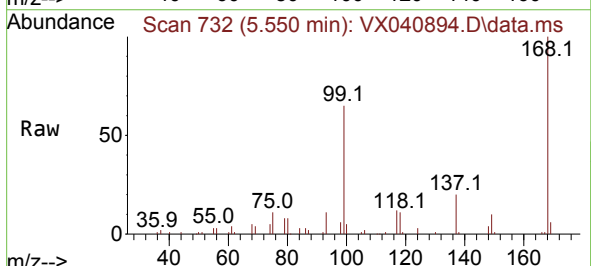
Tgt Ion: 56 Resp: 1133

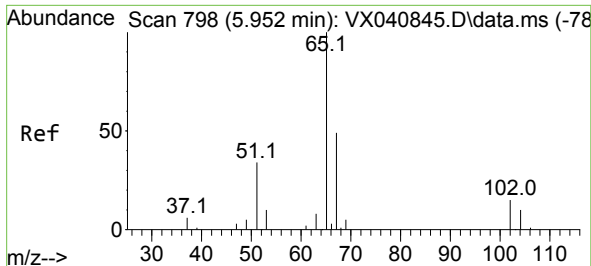
Ion Ratio Lower Upper

56 100

69 149.6 23.4 35.2#

84 94.8 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 49.189 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX040894.D

Acq: 05 Apr 2024 11:36

Instrument :

MSVOA_X

ClientSampleId :

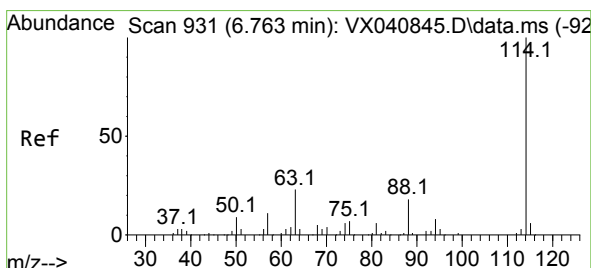
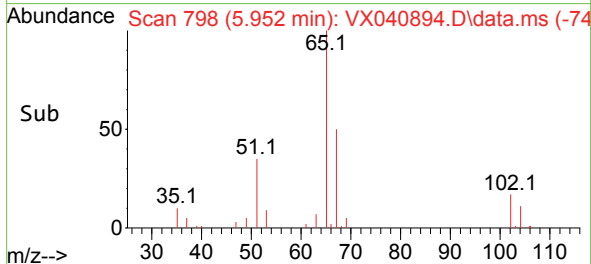
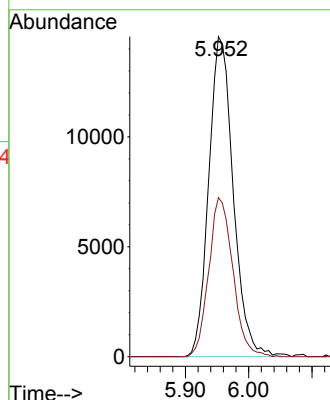
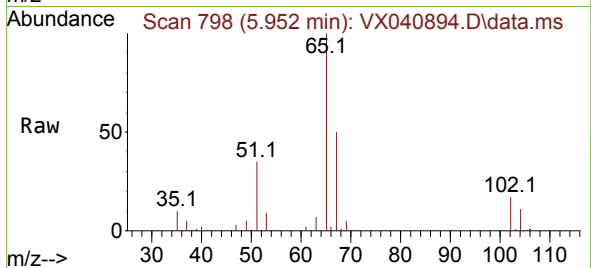
PB160019ZHE#02

Tgt Ion: 65 Resp: 39174

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# 930

Delta R.T. -0.006 min

Lab File: VX040894.D

Acq: 05 Apr 2024 11:36

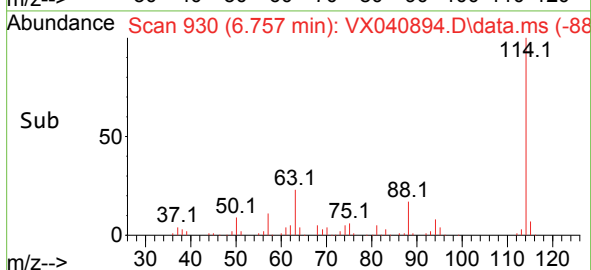
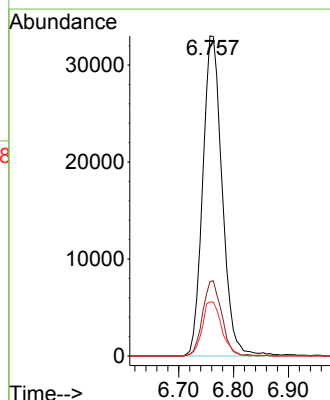
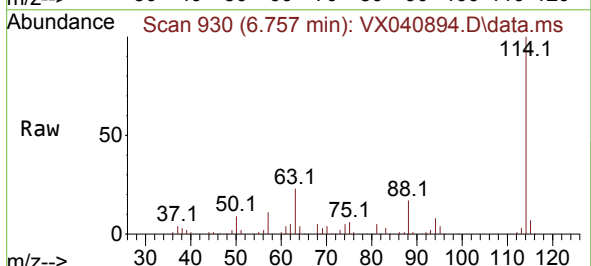
Tgt Ion: 114 Resp: 81161

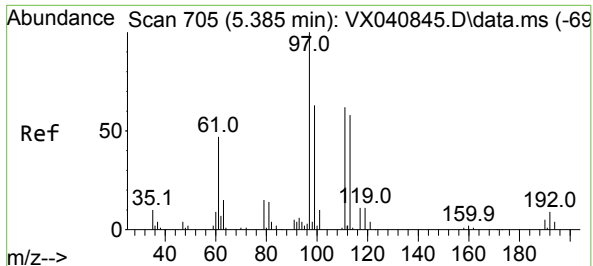
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

88 16.9 0.0 36.6

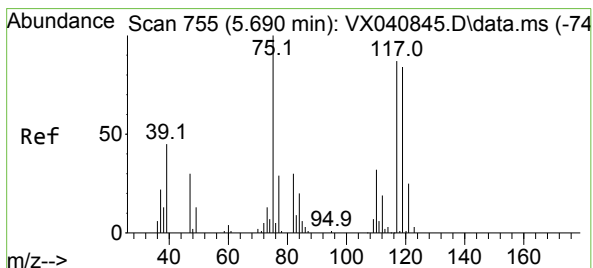
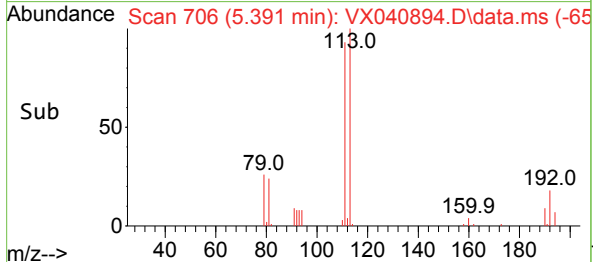
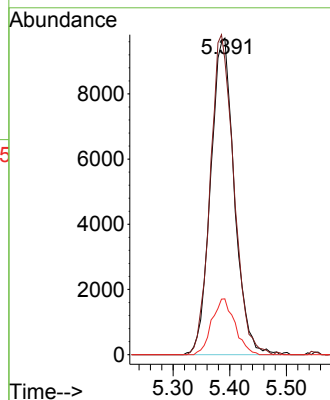
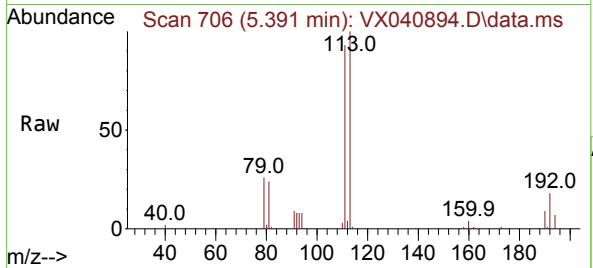




#35
Dibromofluoromethane
Concen: 49.003 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

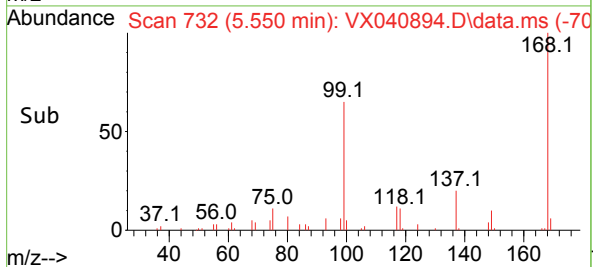
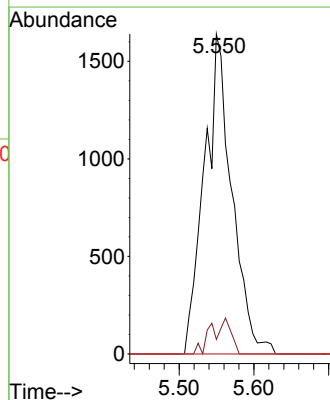
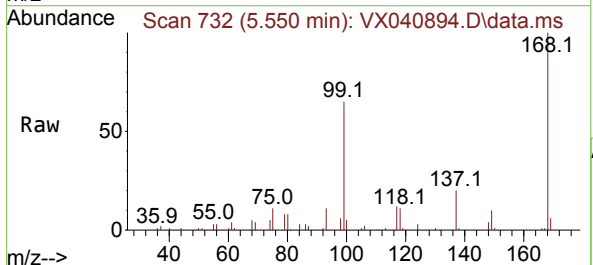
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

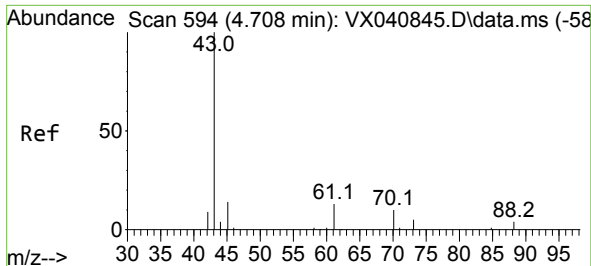
Tgt Ion:113 Resp: 28170
Ion Ratio Lower Upper
113 100
111 100.7 82.9 124.3
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.136 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion: 75 Resp: 4195
Ion Ratio Lower Upper
75 100
110 3.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.805 ug/l

RT: 4.733 min Scan# 594

Delta R.T. 0.025 min

Lab File: VX040894.D

Acq: 05 Apr 2024 11:36

Instrument :

MSVOA_X

ClientSampleId :

PB160019ZHE#02

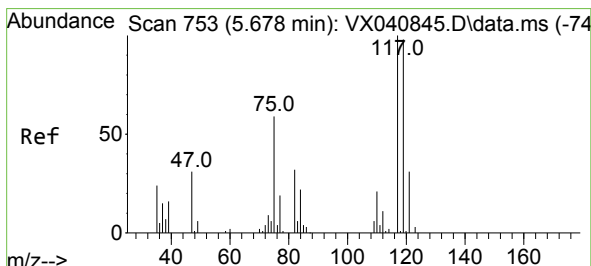
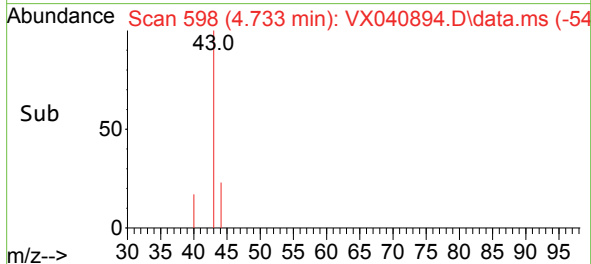
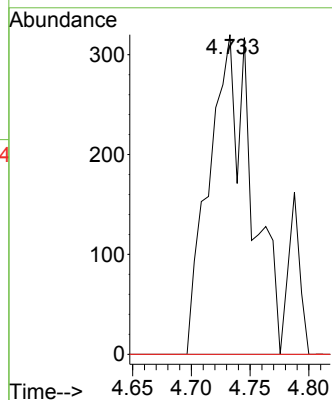
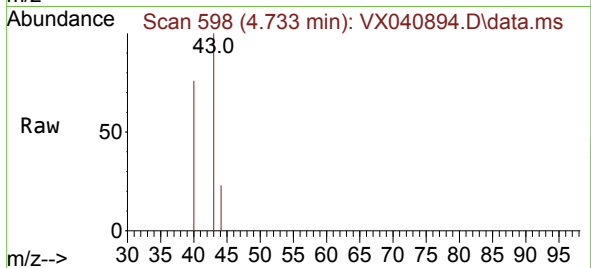
Tgt Ion: 43 Resp: 807

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.771 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040894.D

Acq: 05 Apr 2024 11:36

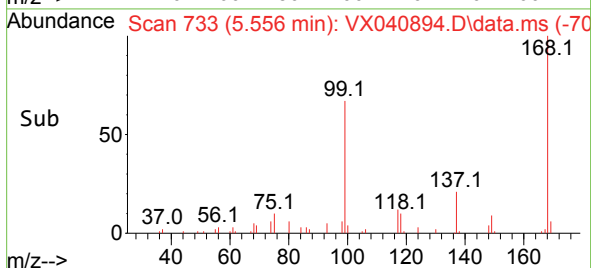
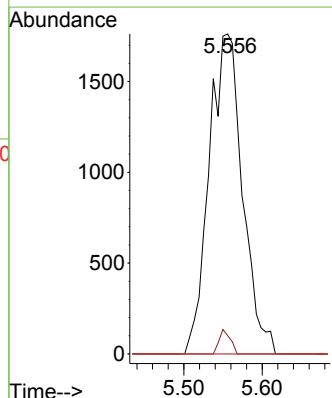
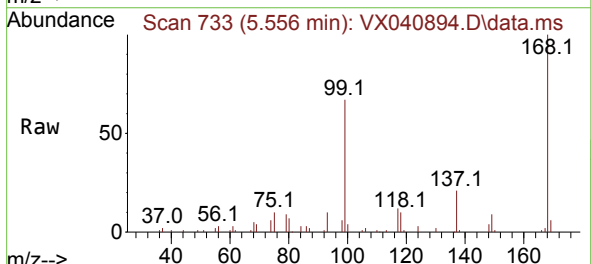
Tgt Ion: 117 Resp: 5218

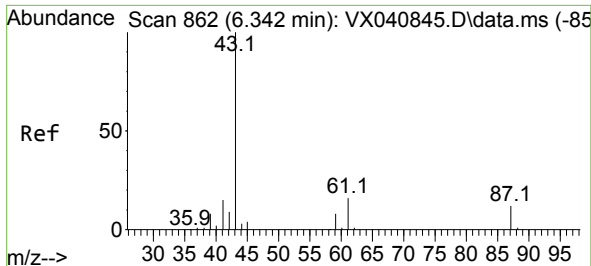
Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.2#

121 0.0 24.4 36.6#

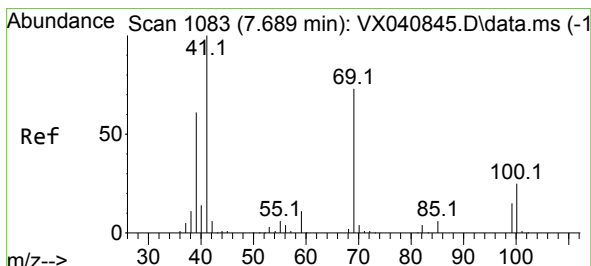
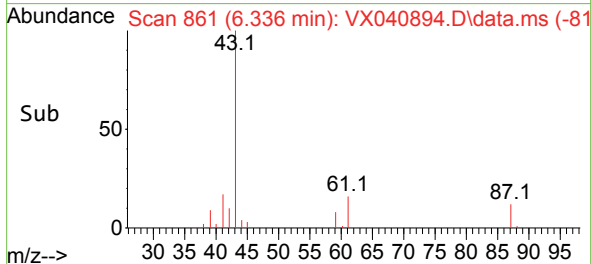
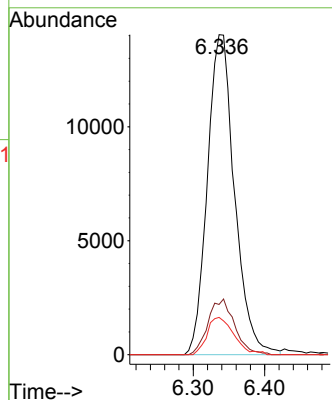
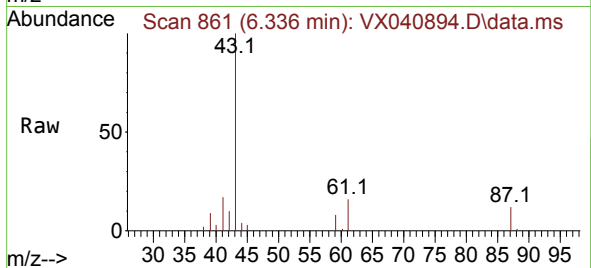




#43
Isopropyl Acetate
Concen: 23.924 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

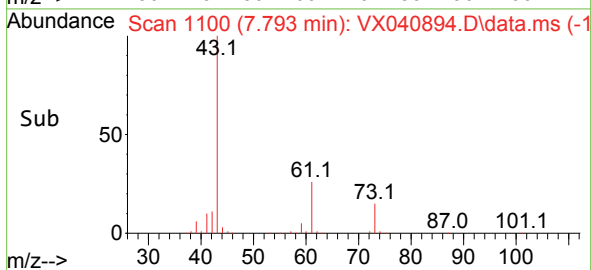
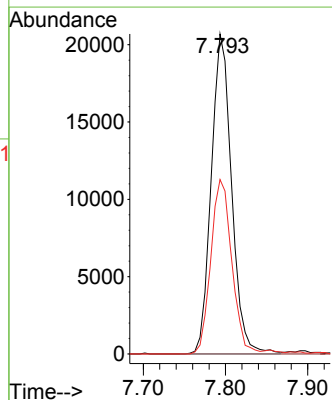
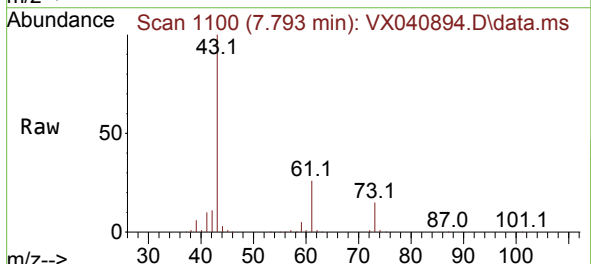
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

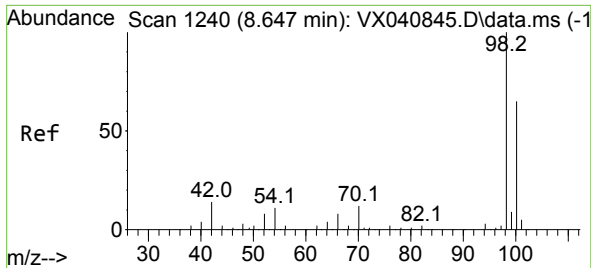
Tgt Ion: 43	Resp: 37058
Ion Ratio	Lower Upper
43 100	
61 17.0	15.2 22.8
87 11.5	9.8 14.6



#48
Methyl methacrylate
Concen: 46.868 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion: 41	Resp: 35550
Ion Ratio	Lower Upper
41 100	
69 0.0	59.2 88.8#
39 56.2	47.7 71.5

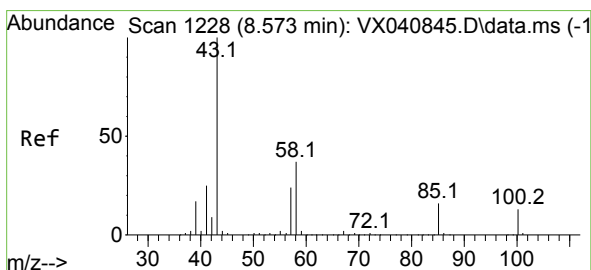
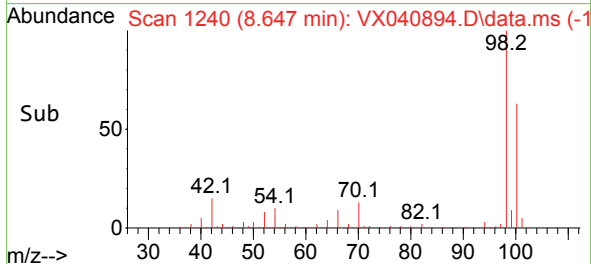
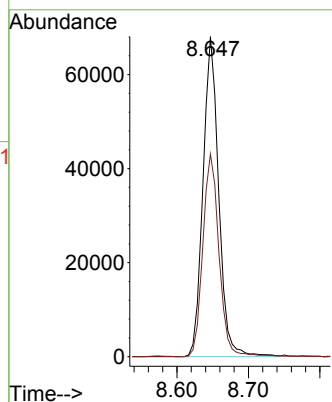
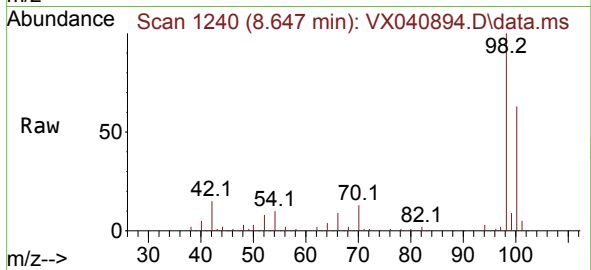




#50
Toluene-d8
Concen: 50.077 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

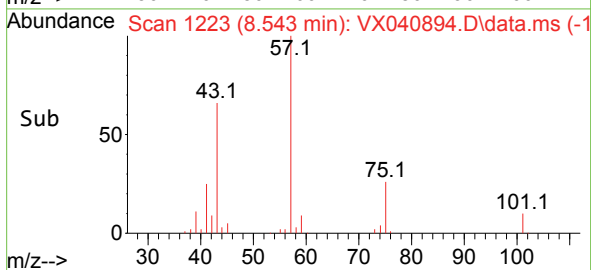
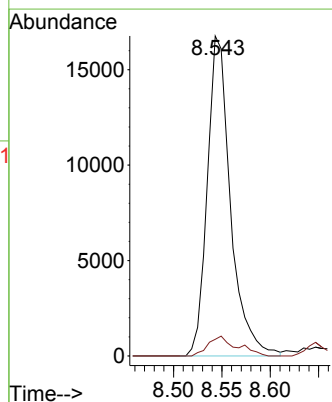
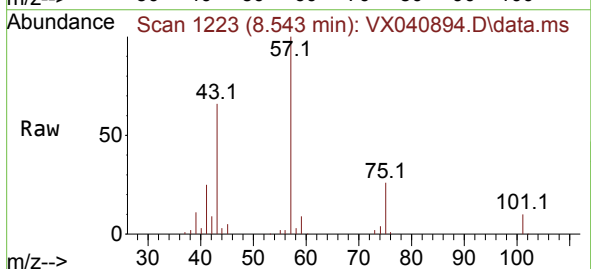
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

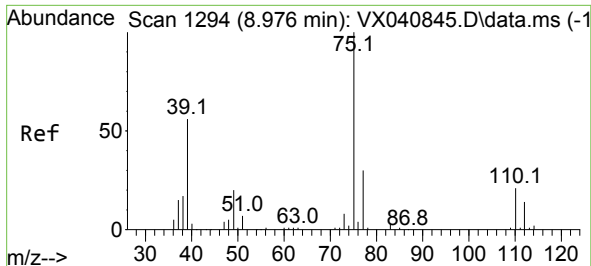
Tgt Ion: 98 Resp: 104023
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 27.282 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion: 43 Resp: 28031
Ion Ratio Lower Upper
43 100
58 7.6 30.4 45.6#

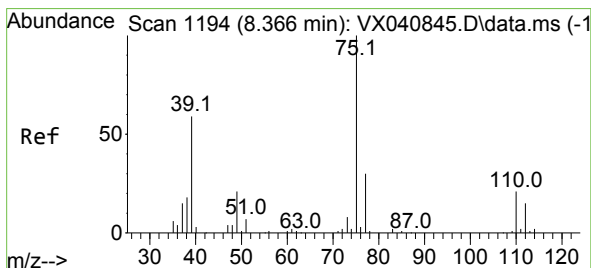
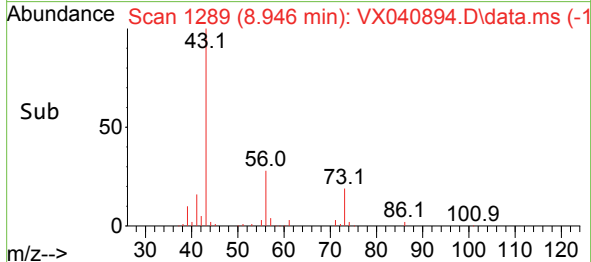
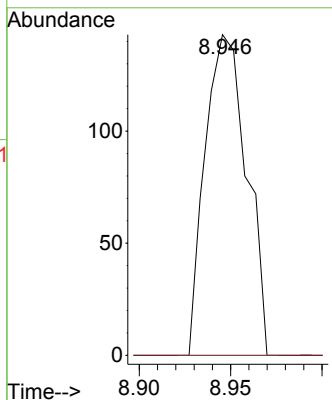
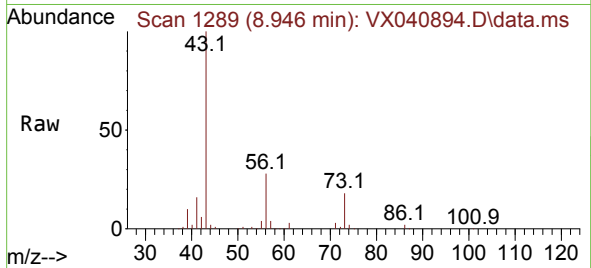




#53
 t-1,3-Dichloropropene
 Concen: 0.989 ug/l
 RT: 8.946 min Scan# 1123
 Delta R.T. -0.030 min
 Lab File: VX040894.D
 Acq: 05 Apr 2024 11:36

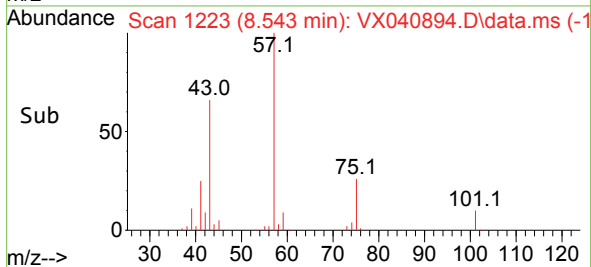
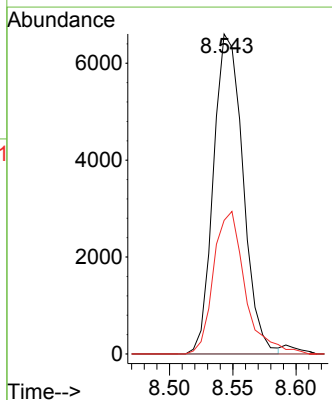
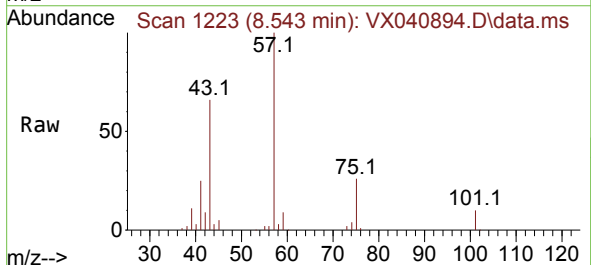
Instrument :
 MSVOA_X
 ClientSampleId :
 PB160019ZHE#02

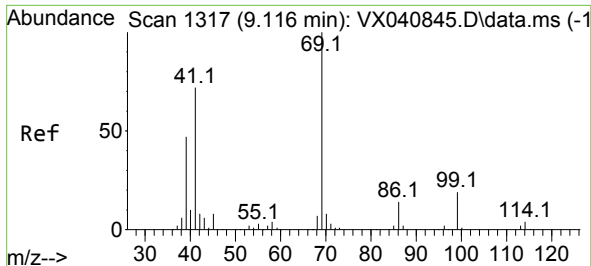
Tgt Ion: 75 Resp: 226
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.713 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX040894.D
 Acq: 05 Apr 2024 11:36

Tgt Ion: 75 Resp: 10719
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 41.8 46.7 70.1#

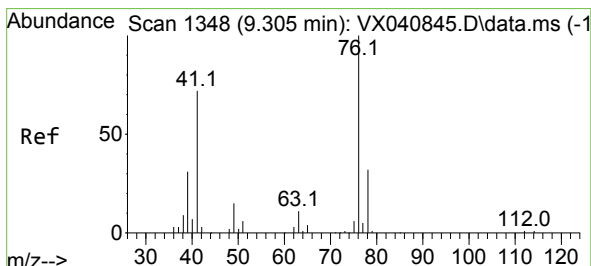
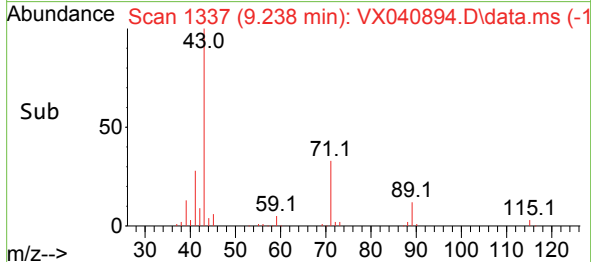
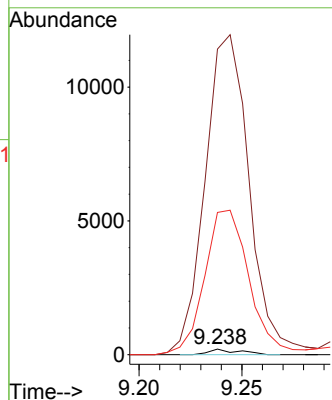
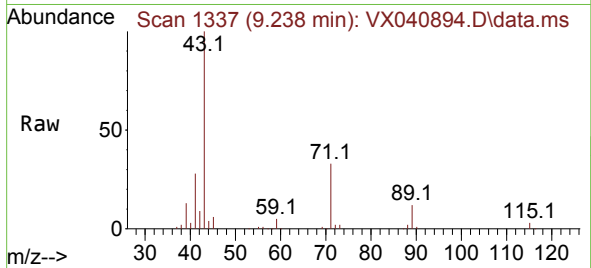




#56
Ethyl methacrylate
Concen: 0.224 ug/l
RT: 9.238 min Scan# 11
Delta R.T. 0.122 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

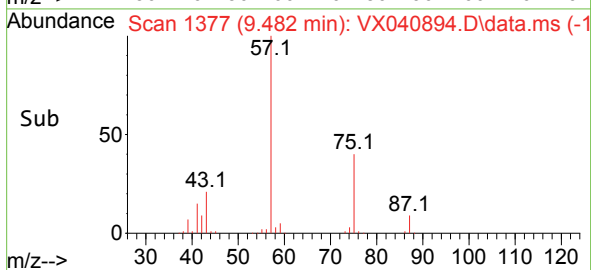
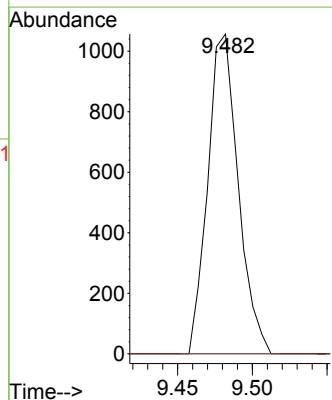
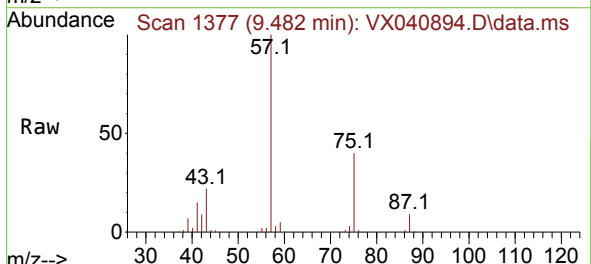
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

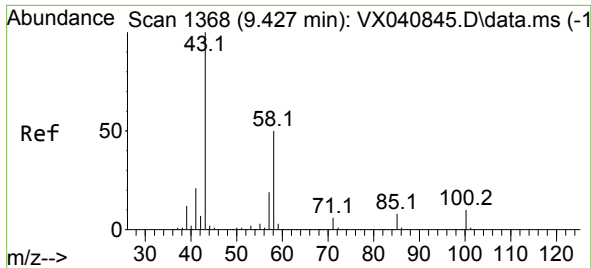
Tgt Ion: 69 Resp: 215
Ion Ratio Lower Upper
69 100
41 8353.5 56.8 85.2#
39 3800.9 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.536 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion: 76 Resp: 1500
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

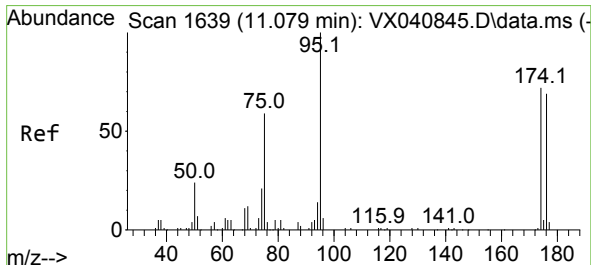
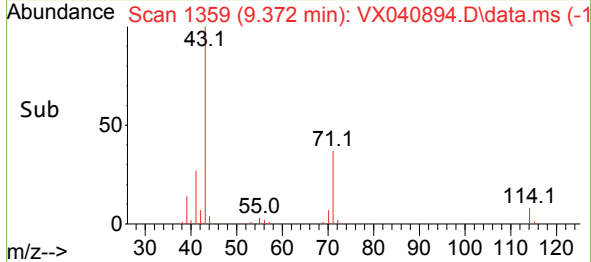
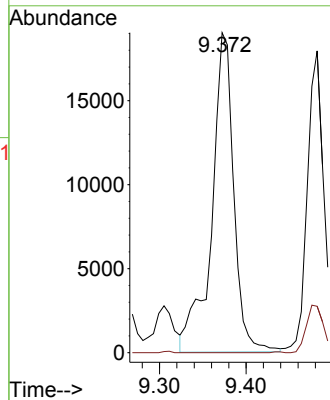
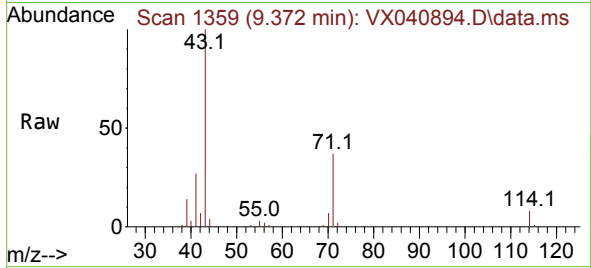




#59
2-Hexanone
Concen: 40.844 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

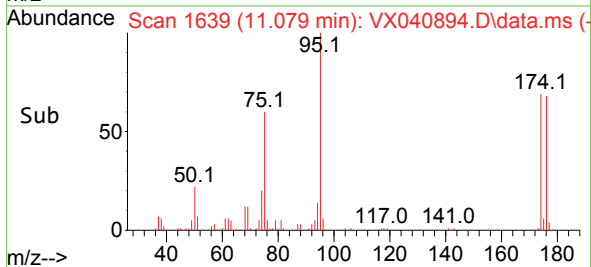
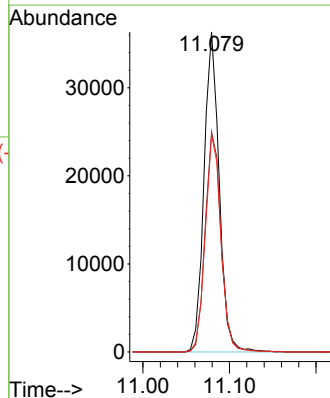
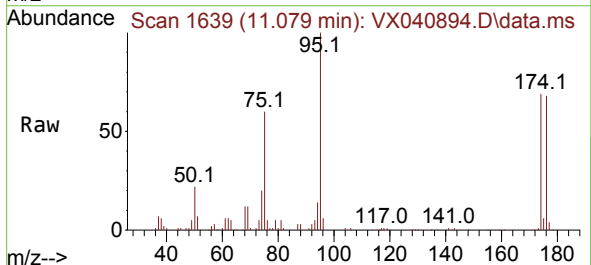
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

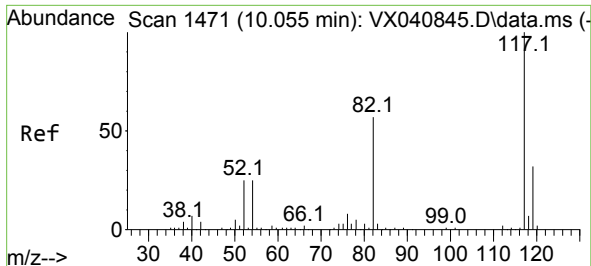
Tgt Ion: 43 Resp: 33656
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 53.294 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion: 95 Resp: 44210
Ion Ratio Lower Upper
95 100
174 71.8 0.0 135.6
176 70.1 0.0 131.0

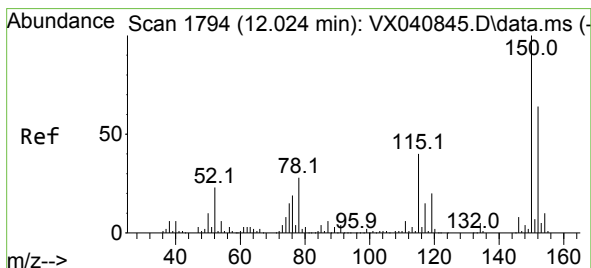
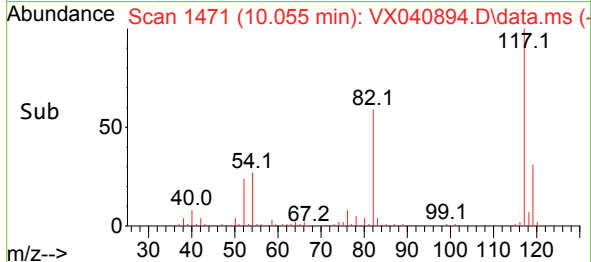
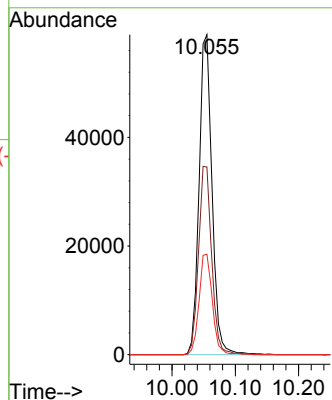
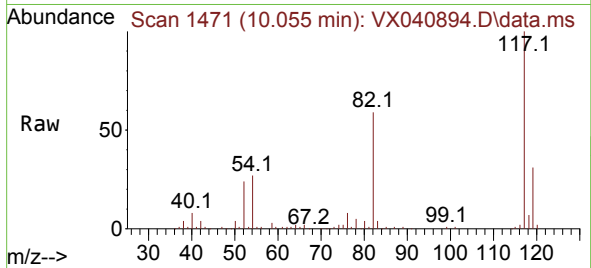




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

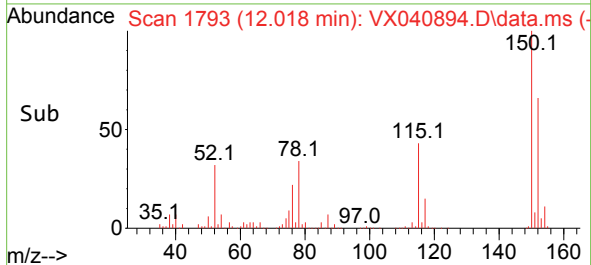
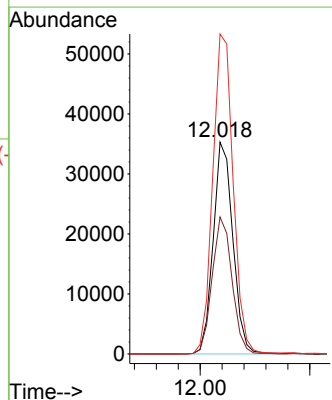
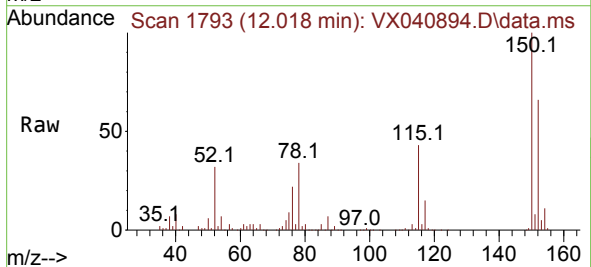
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

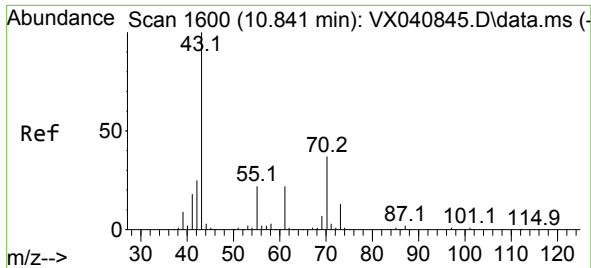
Tgt Ion:117 Resp: 83964
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion:152 Resp: 44075
Ion Ratio Lower Upper
152 100
115 65.2 43.3 129.9
150 157.1 0.0 345.0

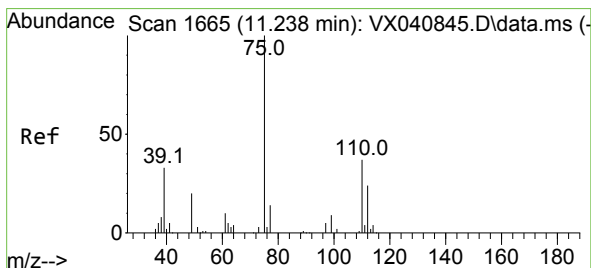
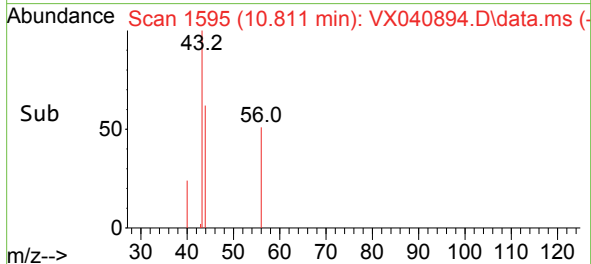
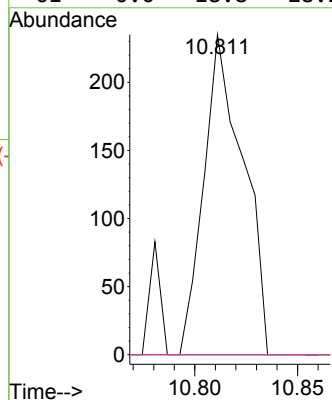
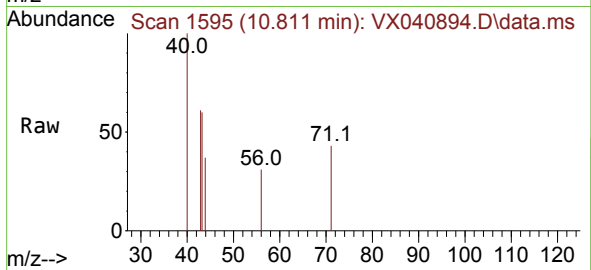




#74
N-amy1 acetate
Concen: 0.201 ug/l
RT: 10.811 min Scan# 1639
Delta R.T. -0.030 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

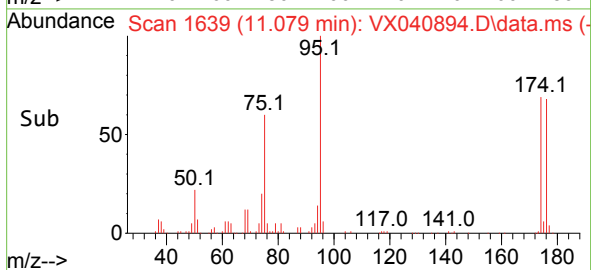
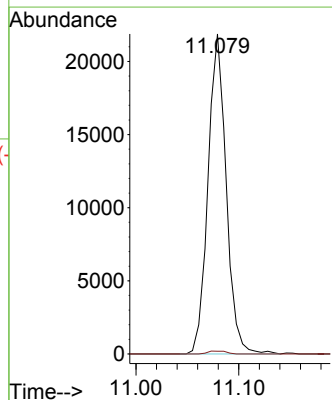
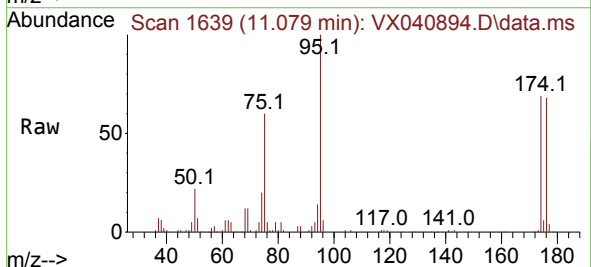
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#02

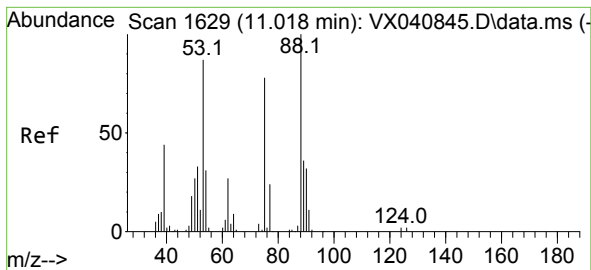
Tgt Ion: 43	Resp:	314
Ion	Ratio	Lower Upper
43	100	
70	0.0	32.9 49.3#
55	0.0	19.3 28.9#
61	0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 28.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040894.D
Acq: 05 Apr 2024 11:36

Tgt Ion: 75	Resp:	26908
Ion	Ratio	Lower Upper
75	100	
77	0.9	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.244 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040894.D
 Acq: 05 Apr 2024 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB160019ZHE#02

Tgt Ion: 75 Resp: 26908
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

