

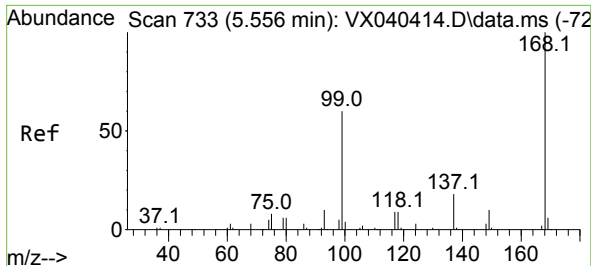
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040441.D
 Acq On : 23 Feb 2024 18:51
 Operator : JC/MD
 Sample : PB159217ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#11

Quant Time: Feb 23 22:24:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:47:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	68744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	122730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57385	51.257	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.520%	
35) Dibromofluoromethane	5.385	113	41780	50.517	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.040%	
50) Toluene-d8	8.647	98	157815	52.827	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.660%	
62) 4-Bromofluorobenzene	11.079	95	62332	52.069	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.140%	
Target Compounds						Qvalue
6) Chloroethane	1.697	64	237	0.421	ug/l #	43
11) Tert butyl alcohol	2.959	59	355	1.640	ug/l #	78
13) Acrolein	2.233	56	157	0.606	ug/l	85
16) Acetone	2.380	43	27451	58.847	ug/l	100
18) Methyl Acetate	2.703	43	739	0.612	ug/l #	83
20) Methylene Chloride	2.788	84	9445	9.670	ug/l	97
25) 2-Butanone	4.580	43	2318	3.187	ug/l #	85
29) Tetrahydrofuran	5.025	42	177	0.366	ug/l #	34
31) Cyclohexane	5.550	56	1971	1.468	ug/l #	53
36) 1,1-Dichloropropene	5.556	75	6198	4.842	ug/l #	51
37) Ethyl Acetate	4.739	43	1740	1.190	ug/l #	79
38) Carbon Tetrachloride	5.556	117	8250	6.967	ug/l #	13
43) Isopropyl Acetate	6.342	43	57100	25.447	ug/l	98
48) Methyl methacrylate	7.799	41	52692	47.418	ug/l #	49
49) 1,4-Dioxane	7.812	88	19	0.848	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	43288	28.405	ug/l #	46
53) t-1,3-Dichloropropene	8.958	75	345	0.264	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	17249	12.378	ug/l #	65
56) Ethyl methacrylate	9.238	69	527	0.377	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2434	1.529	ug/l #	42
59) 2-Hexanone	9.482	43	35582	30.274	ug/l #	52
74) N-amyl acetate	10.817	43	527	0.263	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	35288	25.974	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	35288	90.380	ug/l #	5

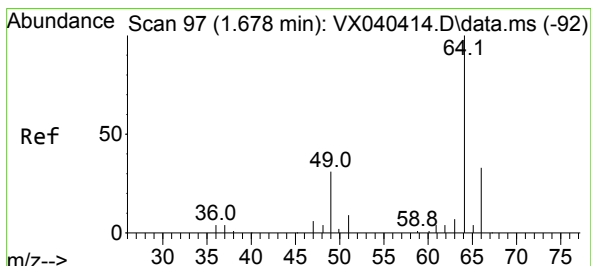
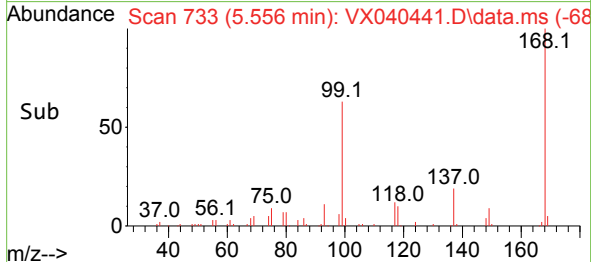
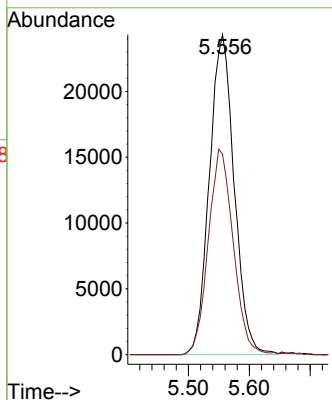
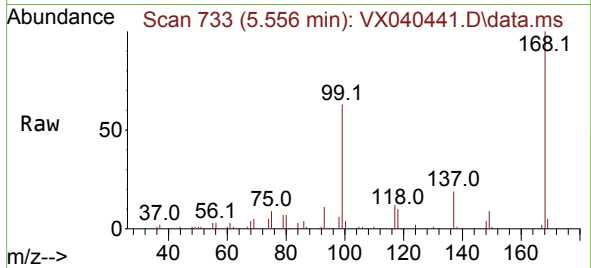
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

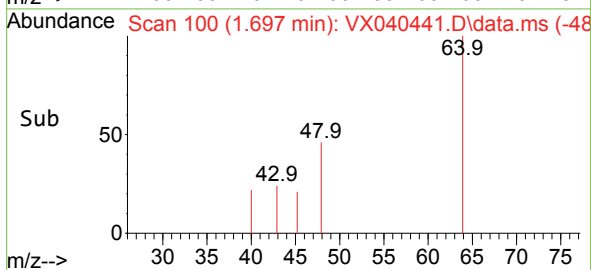
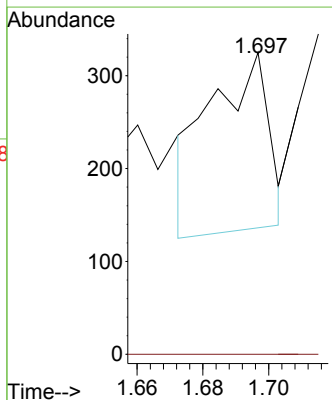
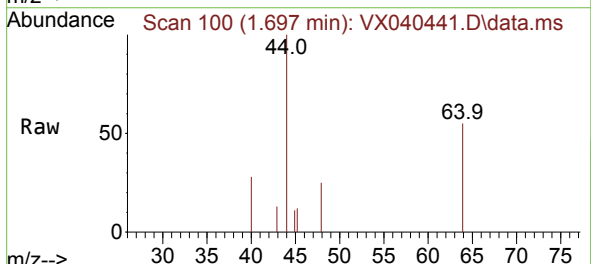
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

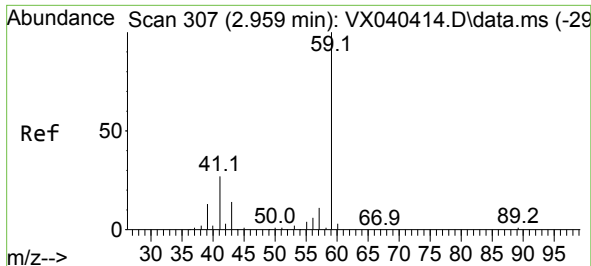
Tgt Ion:168 Resp: 68744
Ion Ratio Lower Upper
168 100
99 62.7 56.6 85.0



#6
Chloroethane
Concen: 0.421 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 64 Resp: 237
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

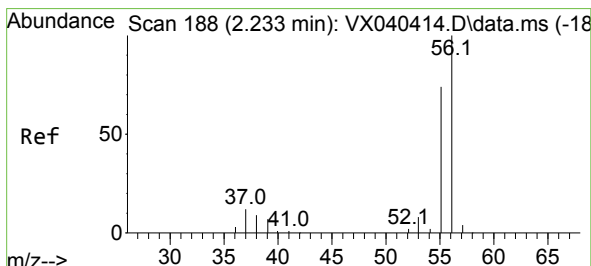
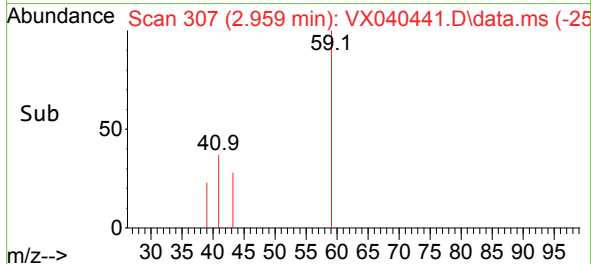
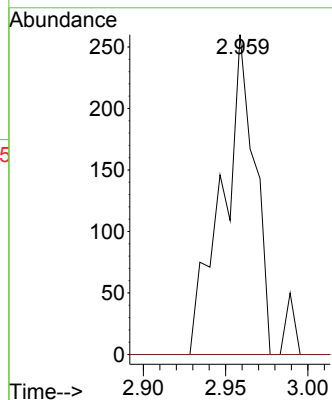
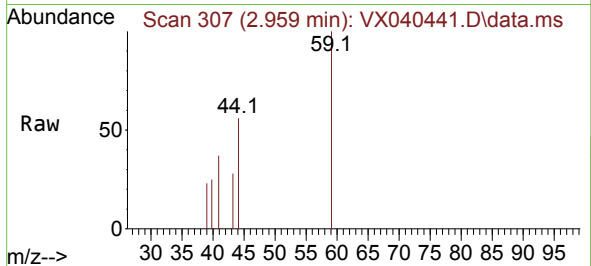




#11
Tert butyl alcohol
Concen: 1.640 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

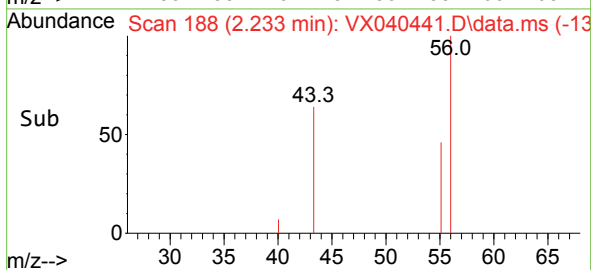
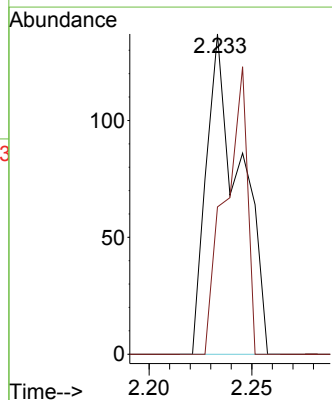
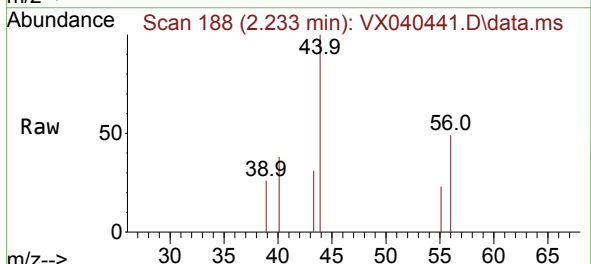
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

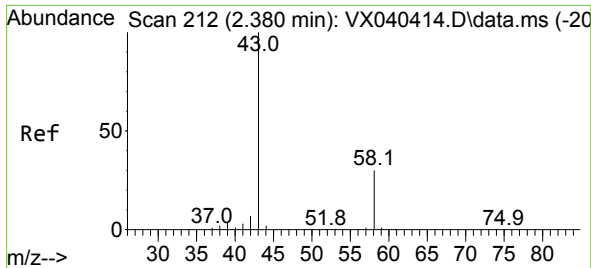
Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.606 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 59.2 57.1 85.7

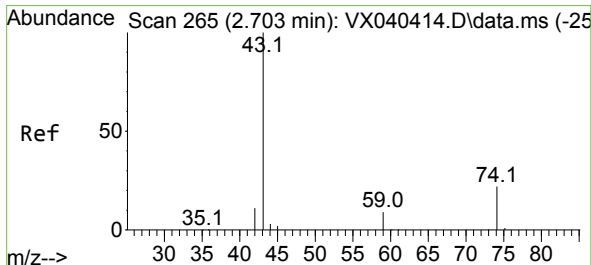
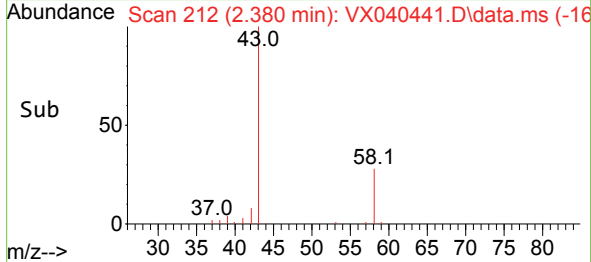
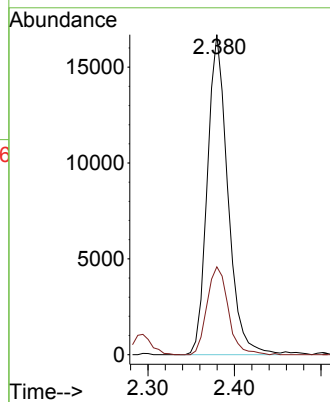
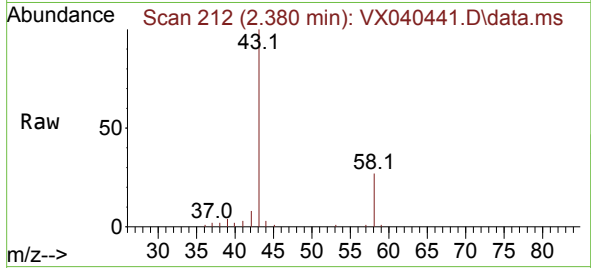




#16
Acetone
Concen: 58.847 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

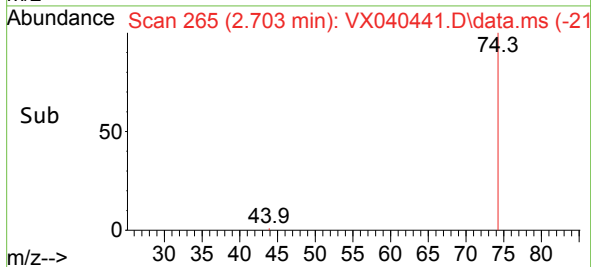
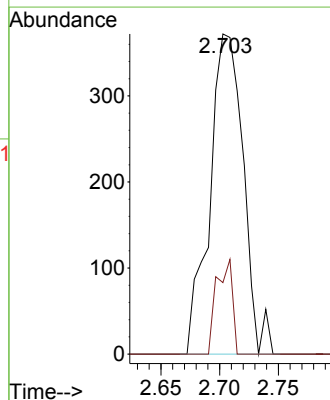
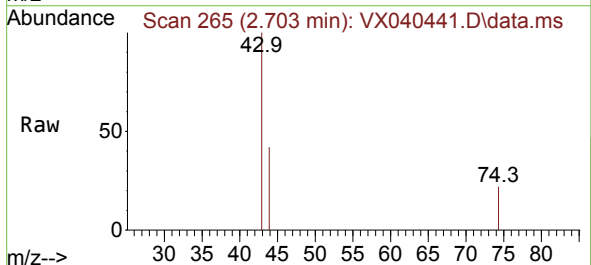
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

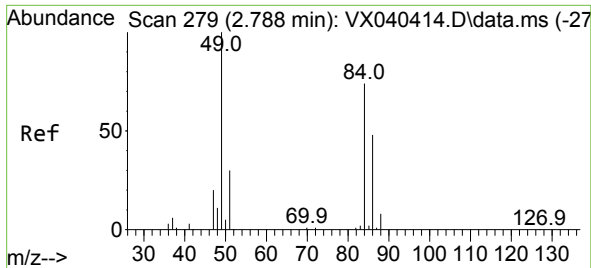
Tgt Ion: 43 Resp: 27451
Ion Ratio Lower Upper
43 100
58 27.5 21.9 32.9



#18
Methyl Acetate
Concen: 0.612 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
74 14.1 17.8 26.8#

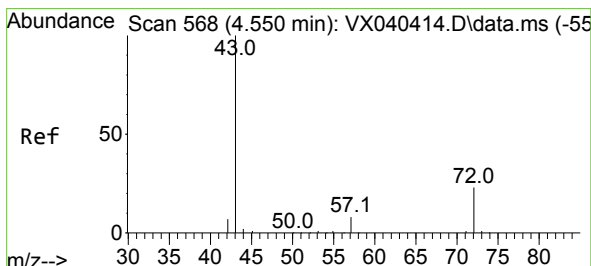
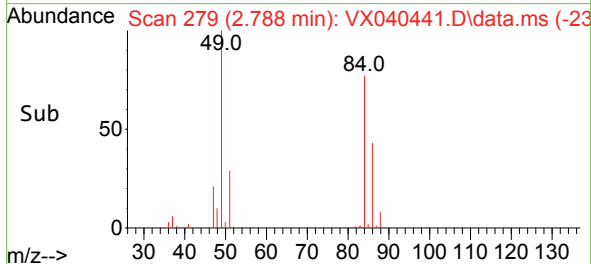
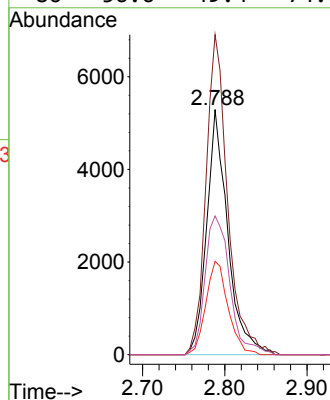
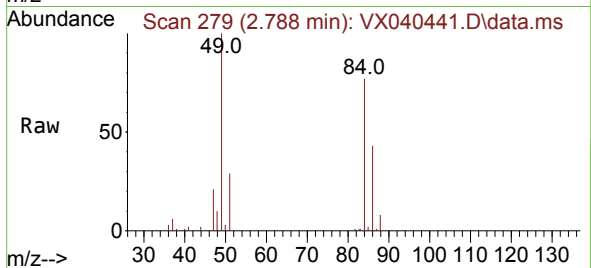




#20
Methylene Chloride
Concen: 9.670 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

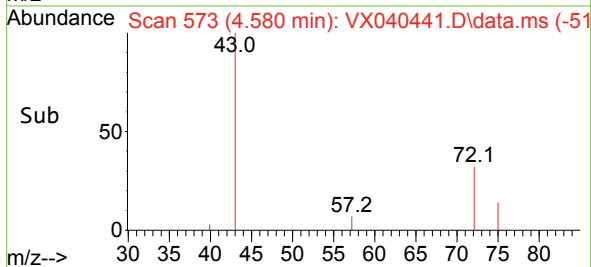
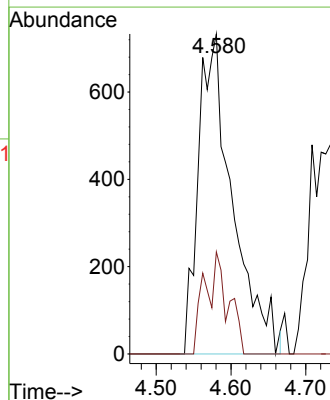
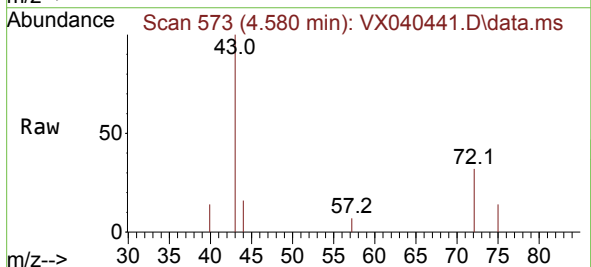
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

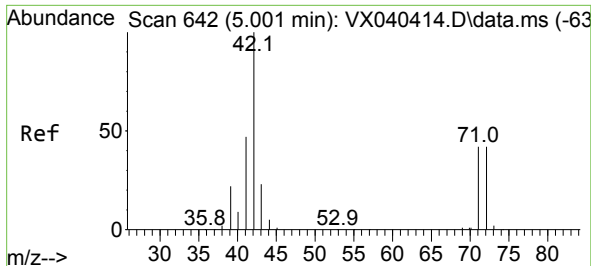
Tgt Ion:	84	Resp:	9445
Ion	Ratio	Lower	Upper
84	100		
49	130.6	103.6	155.4
51	38.1	33.8	50.6
86	56.6	49.4	74.0



#25
2-Butanone
Concen: 3.187 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.031 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion:	43	Resp:	2318
Ion	Ratio	Lower	Upper
43	100		
72	31.9	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.366 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX040441.D

Acq: 23 Feb 2024 18:51

Instrument :

MSVOA_X

ClientSampleId :

PB159217ZHE#11

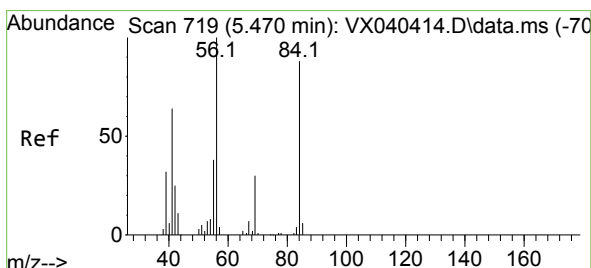
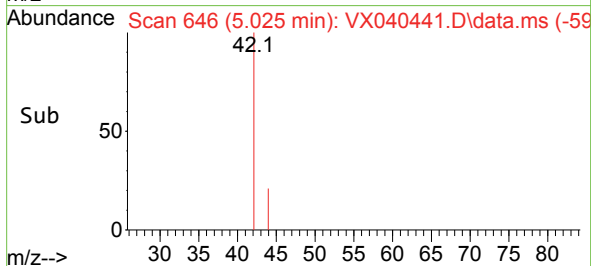
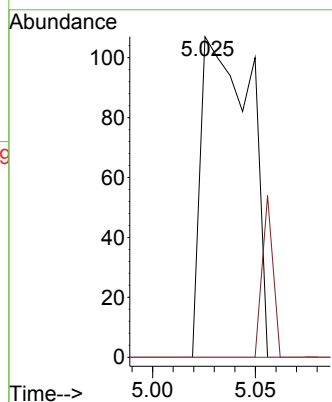
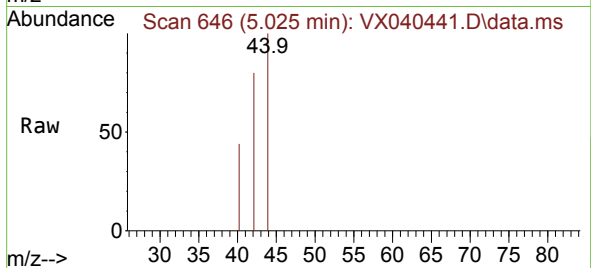
Tgt Ion: 42 Resp: 177

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.468 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040441.D

Acq: 23 Feb 2024 18:51

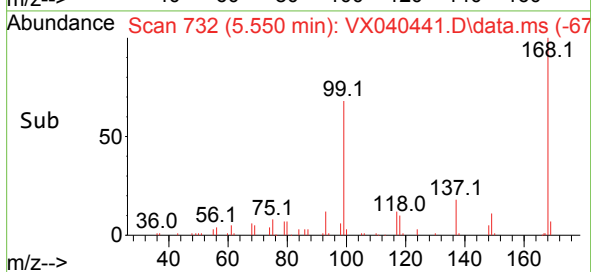
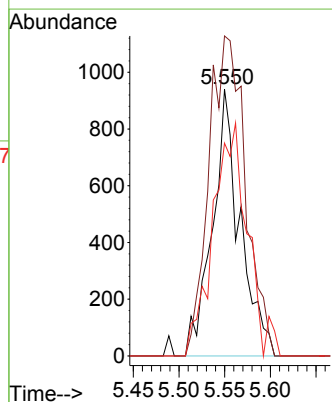
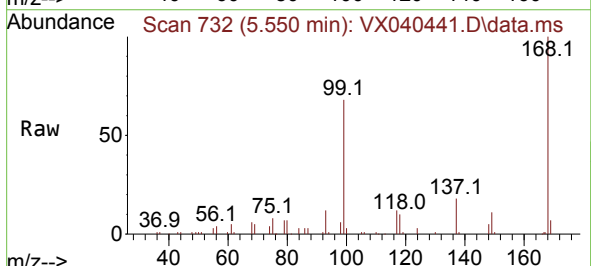
Tgt Ion: 56 Resp: 1971

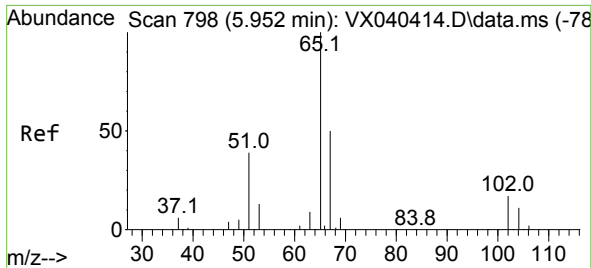
Ion Ratio Lower Upper

56 100

69 120.0 23.4 35.2#

84 79.8 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 51.257 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040441.D

Acq: 23 Feb 2024 18:51

Instrument :

MSVOA_X

ClientSampleId :

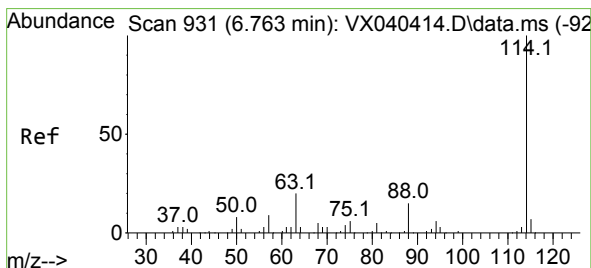
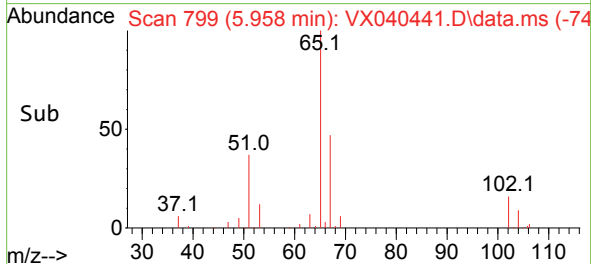
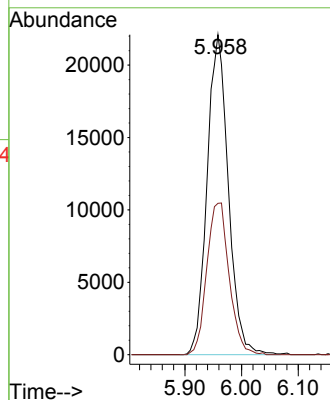
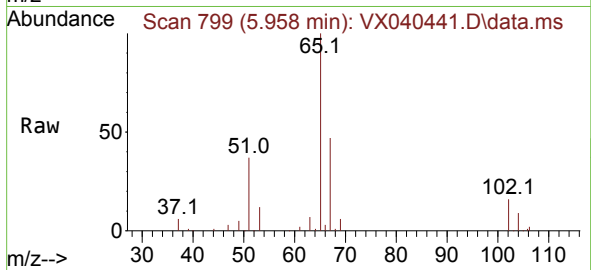
PB159217ZHE#11

Tgt Ion: 65 Resp: 57385

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX040441.D

Acq: 23 Feb 2024 18:51

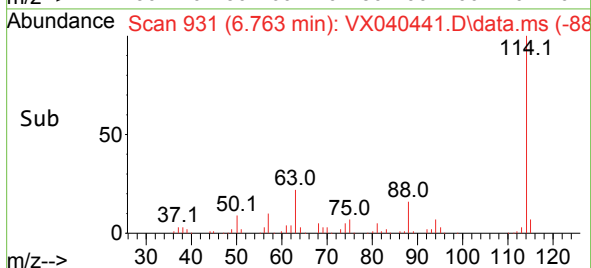
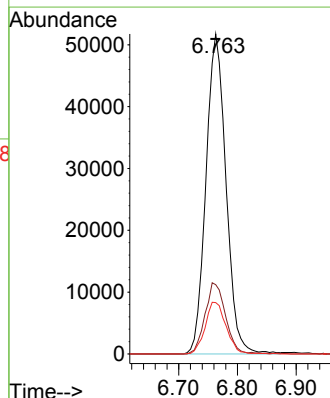
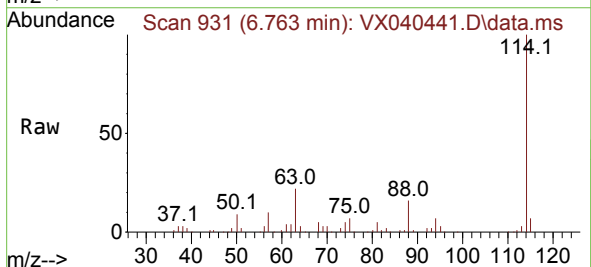
Tgt Ion: 114 Resp: 122730

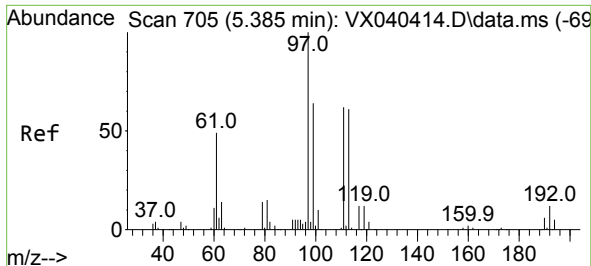
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.0

88 16.1 0.0 36.6

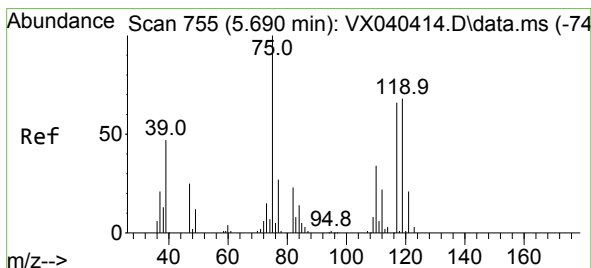
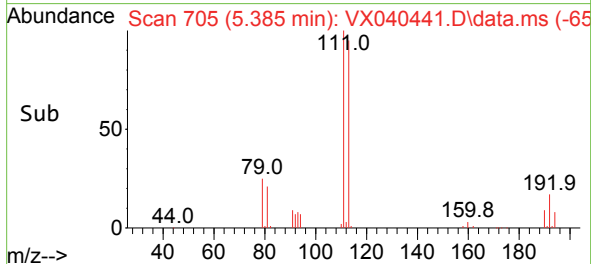
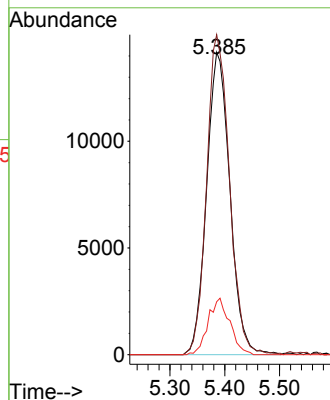
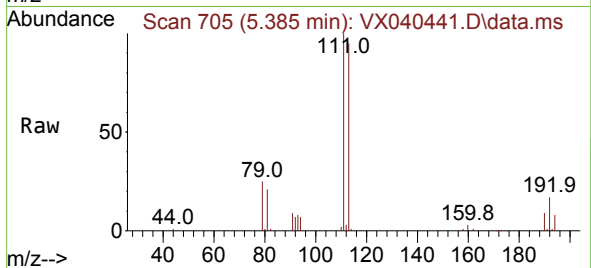




#35
Dibromofluoromethane
Concen: 50.517 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

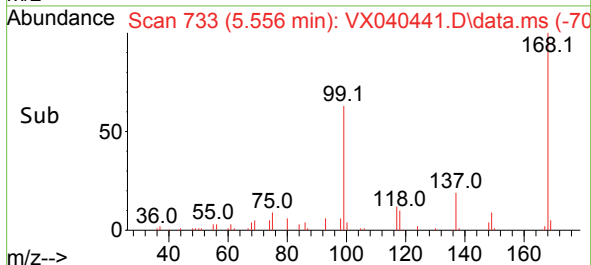
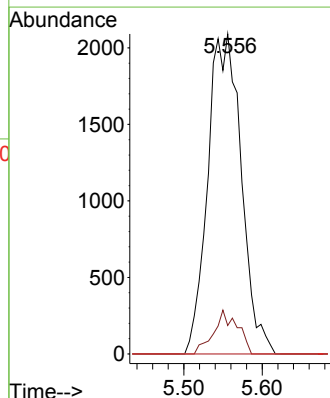
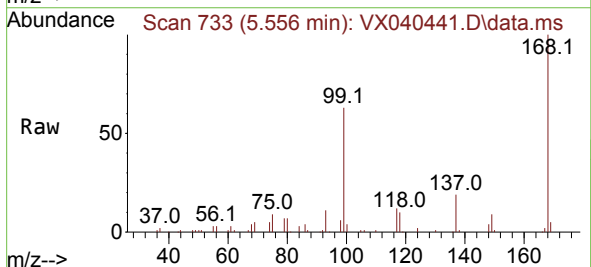
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

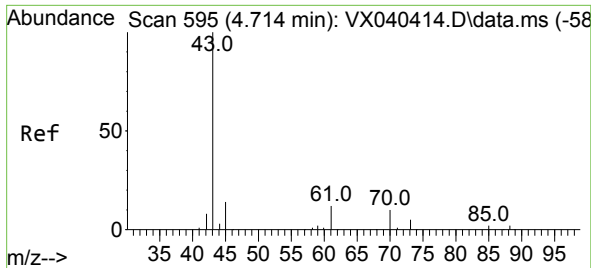
Tgt Ion:113 Resp: 41780
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.842 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 75 Resp: 6198
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.190 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

Lab File: VX040441.D

Acq: 23 Feb 2024 18:51

Instrument :

MSVOA_X

ClientSampleId :

PB159217ZHE#11

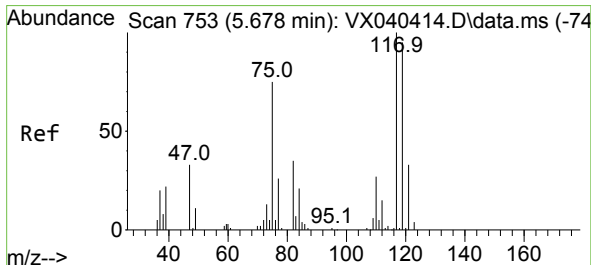
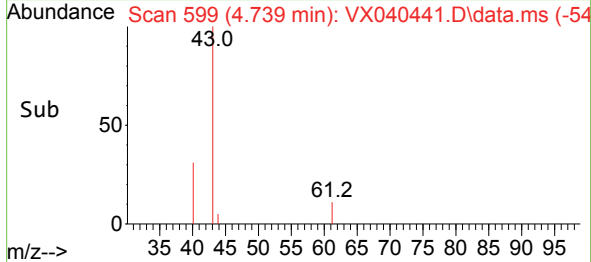
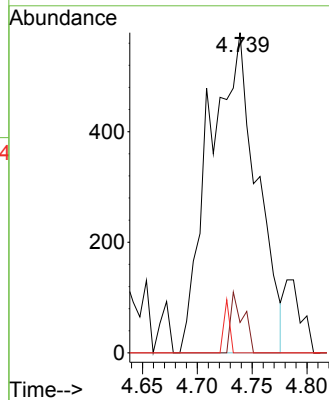
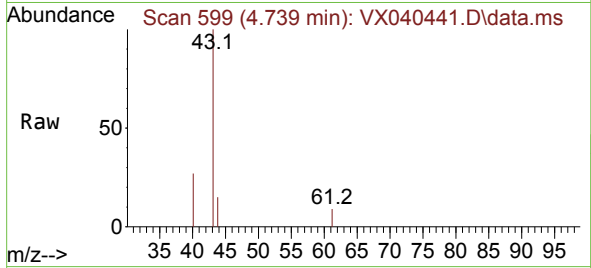
Tgt Ion: 43 Resp: 1740

Ion Ratio Lower Upper

43 100

61 5.1 10.6 16.0#

70 2.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.967 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040441.D

Acq: 23 Feb 2024 18:51

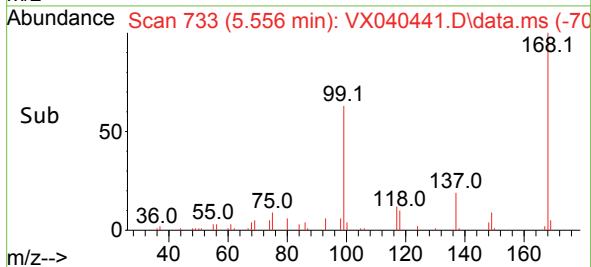
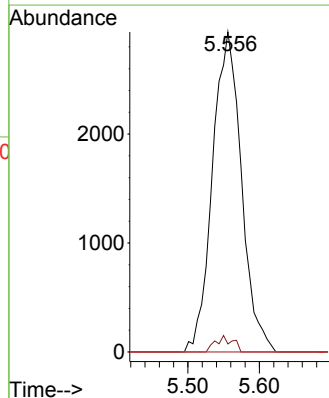
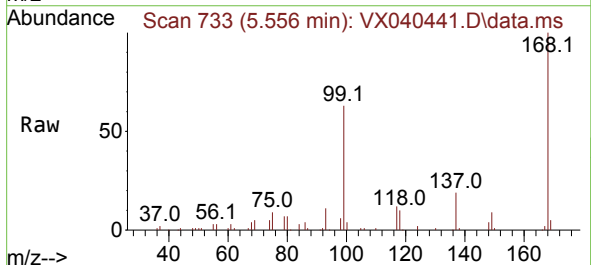
Tgt Ion: 117 Resp: 8250

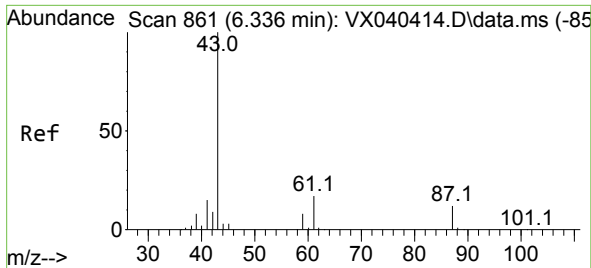
Ion Ratio Lower Upper

117 100

119 2.5 78.2 117.2#

121 0.0 24.4 36.6#

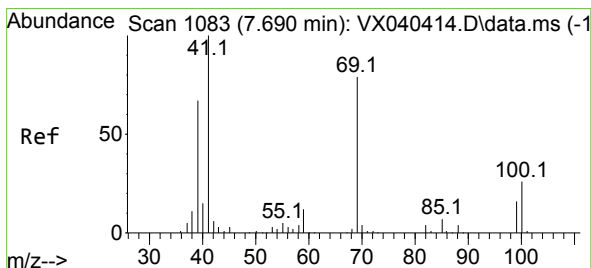
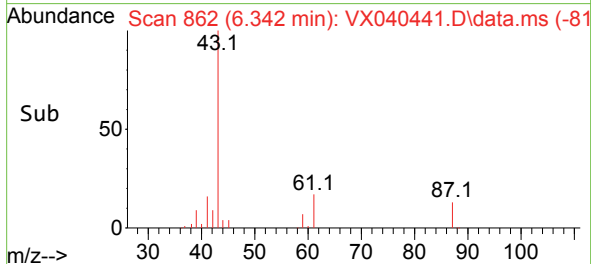
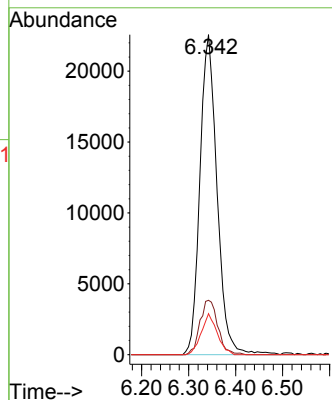
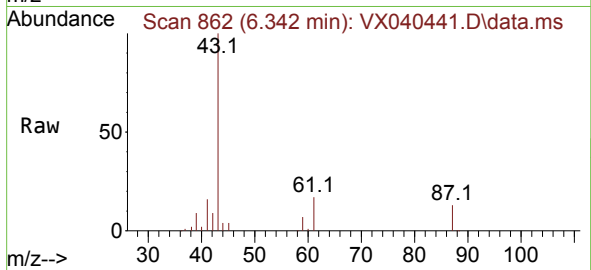




#43
Isopropyl Acetate
Concen: 25.447 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

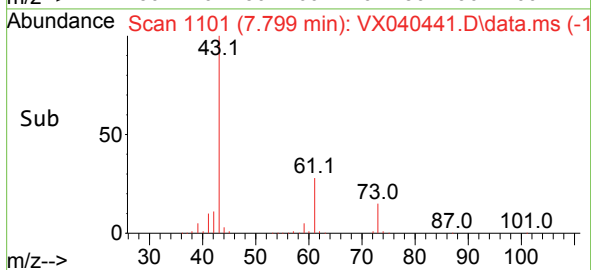
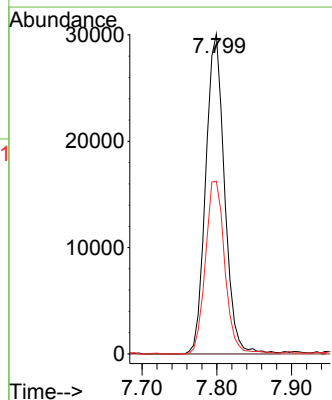
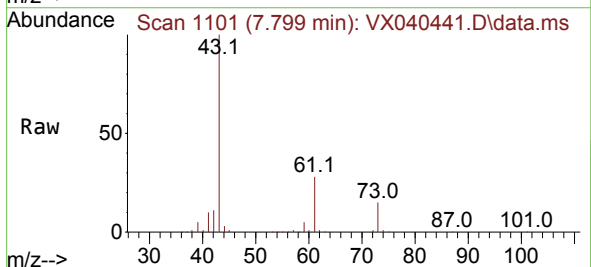
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

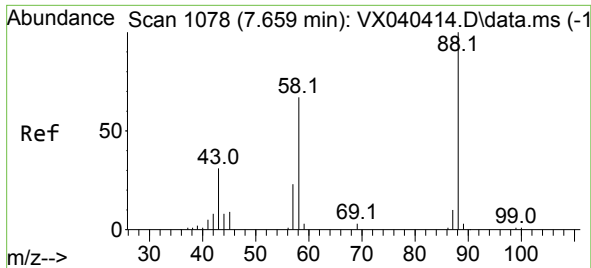
Tgt Ion: 43 Resp: 57100
Ion Ratio Lower Upper
43 100
61 17.8 15.2 22.8
87 11.9 9.8 14.6



#48
Methyl methacrylate
Concen: 47.418 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 41 Resp: 52692
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 55.8 47.7 71.5

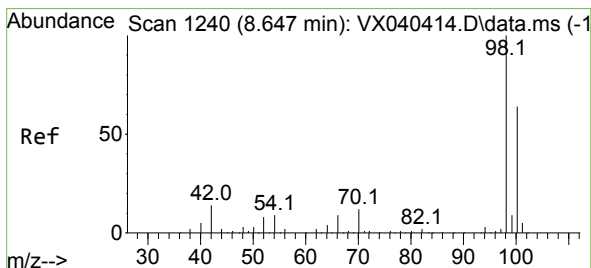
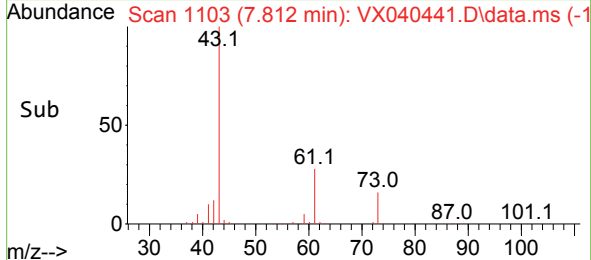
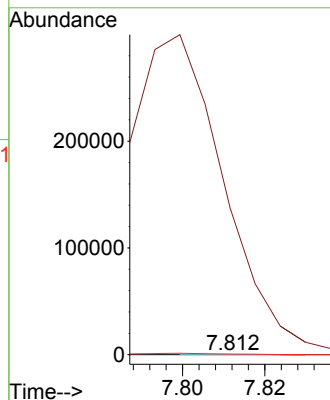
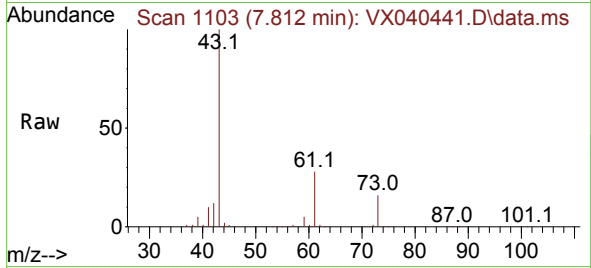




#49
1,4-Dioxane
Concen: 0.848 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.152 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

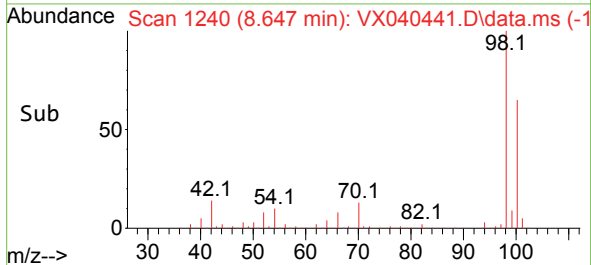
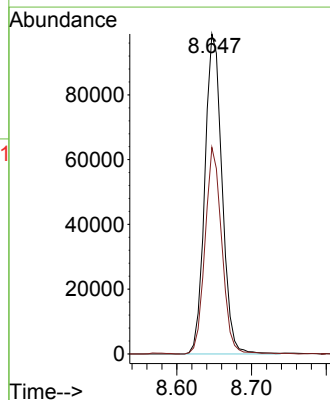
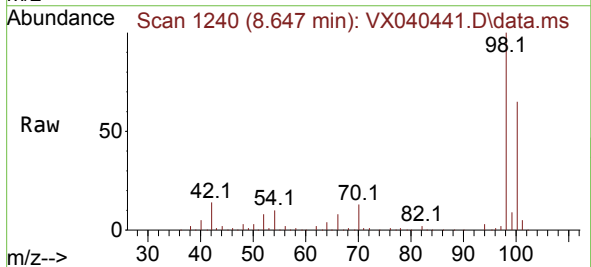
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

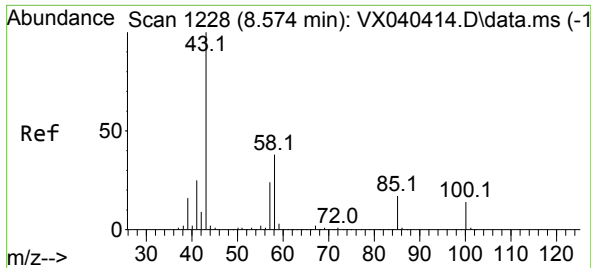
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 2755205.3 0.0 0.0#
58 12278.9 60.1 90.1#



#50
Toluene-d8
Concen: 52.827 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 98 Resp: 157815
Ion Ratio Lower Upper
98 100
100 62.9 53.1 79.7

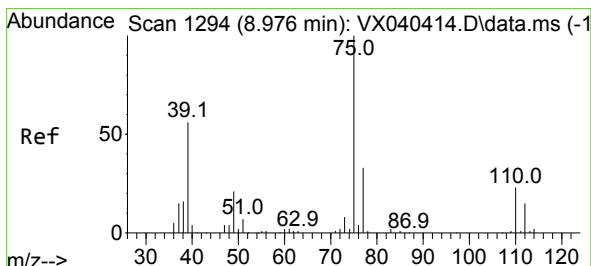
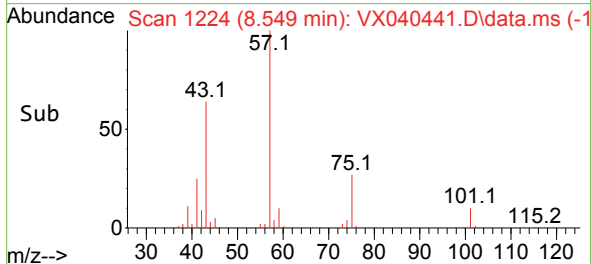
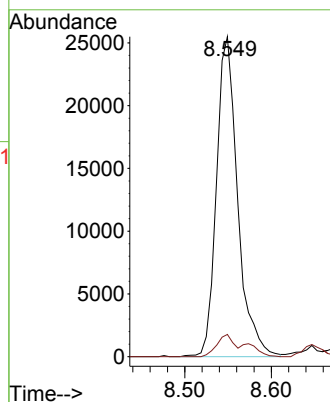
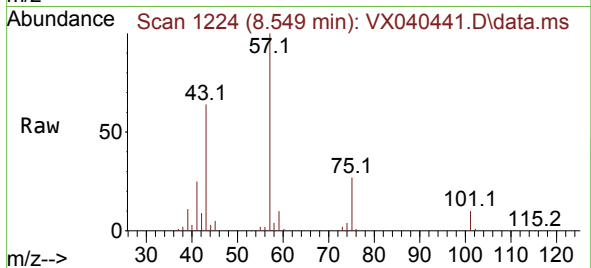




#51
4-Methyl-2-Pentanone
Concen: 28.405 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

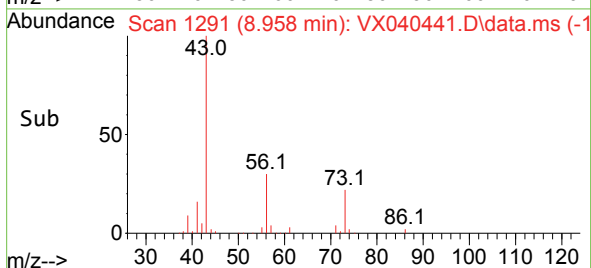
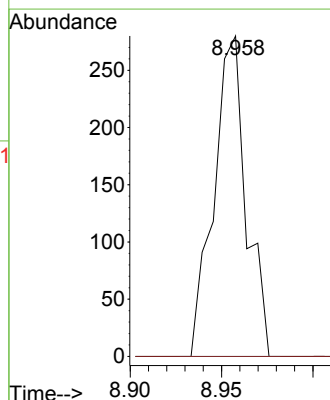
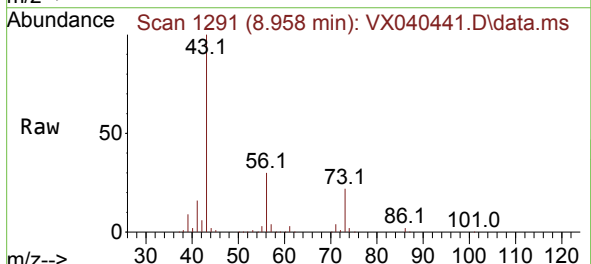
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

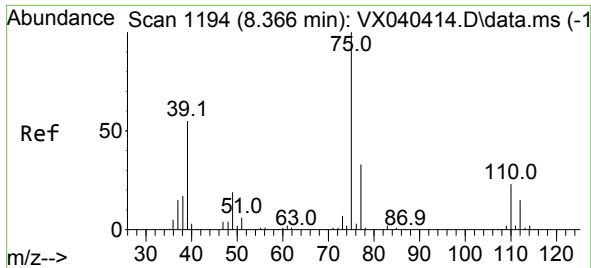
Tgt Ion: 43 Resp: 43288
Ion Ratio Lower Upper
43 100
58 5.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.264 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 75 Resp: 345
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

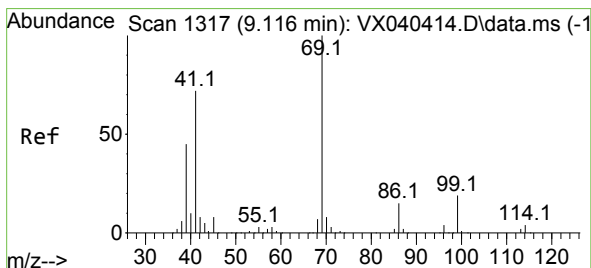
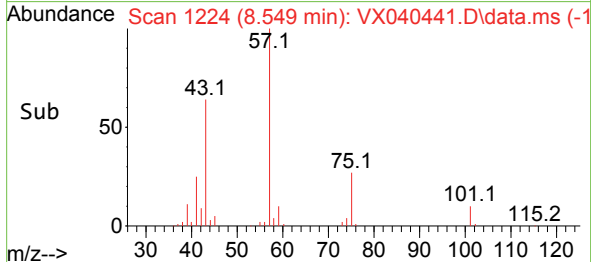
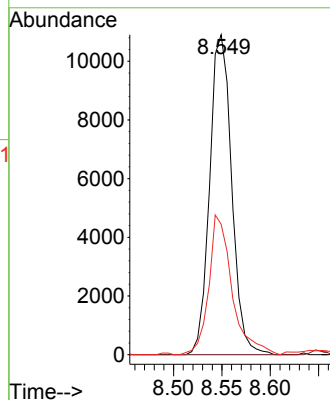
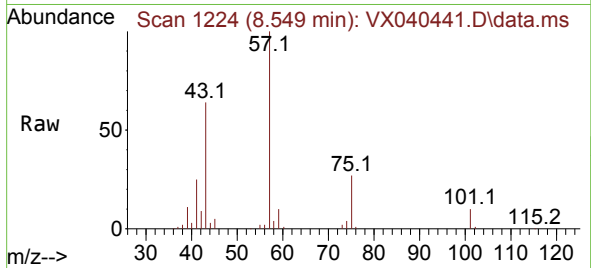




#54
cis-1,3-Dichloropropene
Concen: 12.378 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

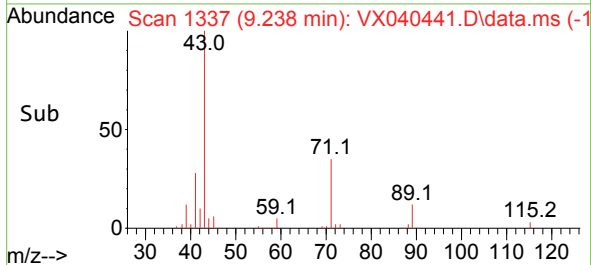
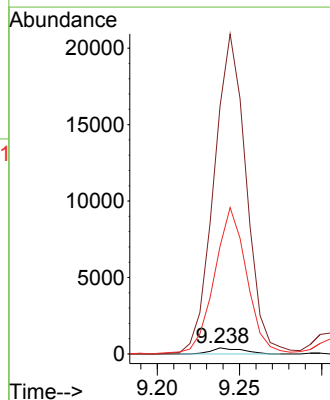
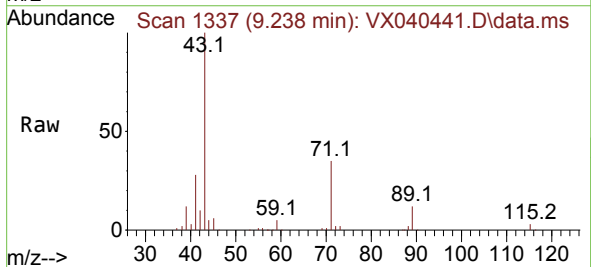
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

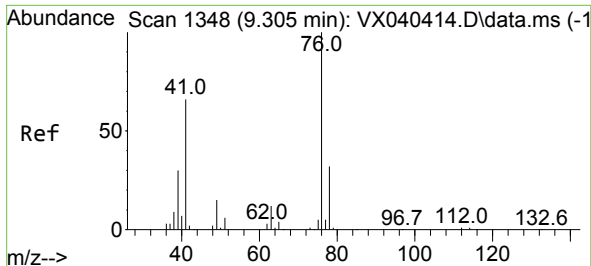
Tgt Ion: 75 Resp: 17249
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 40.8 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.377 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 69 Resp: 527
Ion Ratio Lower Upper
69 100
41 5439.1 56.8 85.2#
39 2498.5 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.529 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX040441.D

Acq: 23 Feb 2024 18:51

Instrument :

MSVOA_X

ClientSampleId :

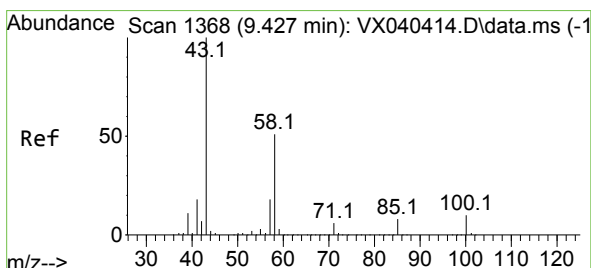
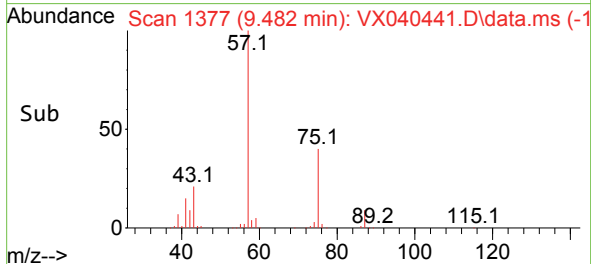
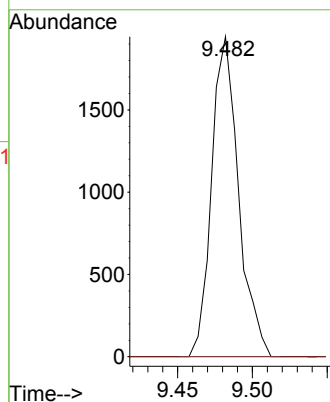
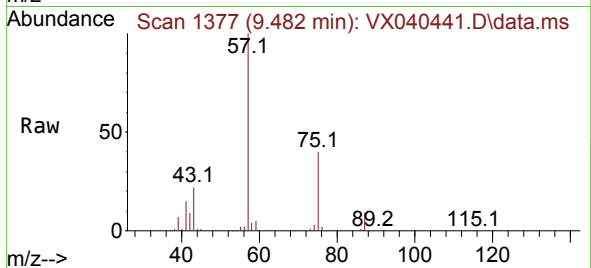
PB159217ZHE#11

Tgt Ion: 76 Resp: 2434

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 30.274 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX040441.D

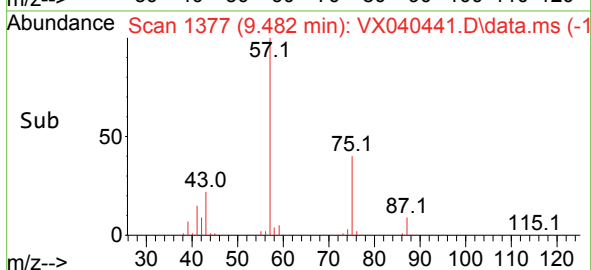
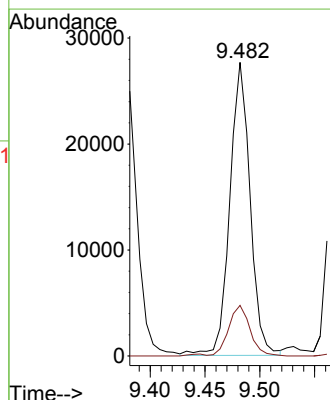
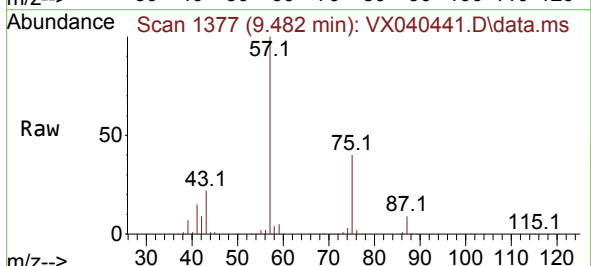
Acq: 23 Feb 2024 18:51

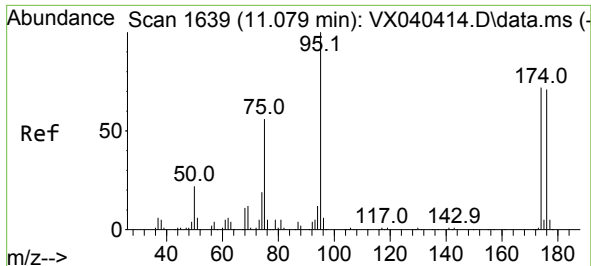
Tgt Ion: 43 Resp: 35582

Ion Ratio Lower Upper

43 100

58 18.1 26.2 78.5#

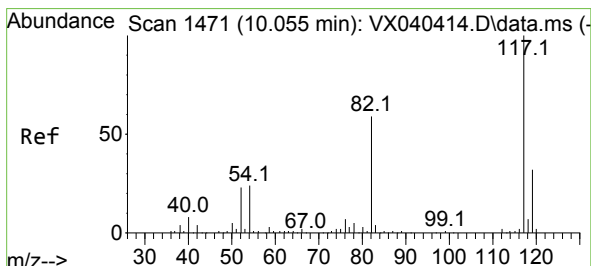
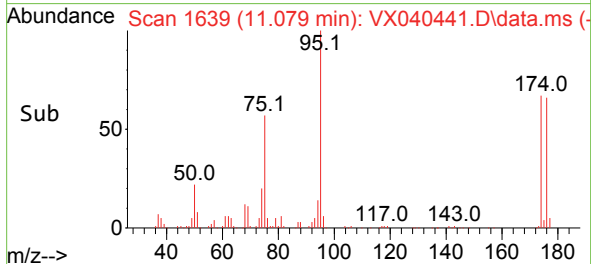
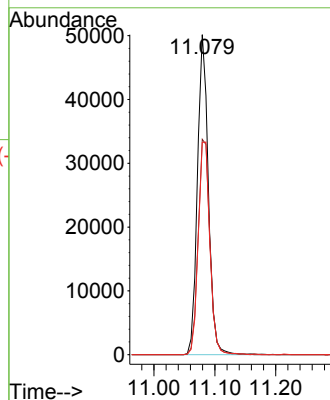
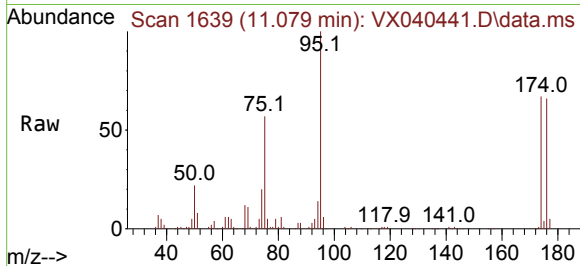




#62
4-Bromofluorobenzene
Concen: 52.069 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

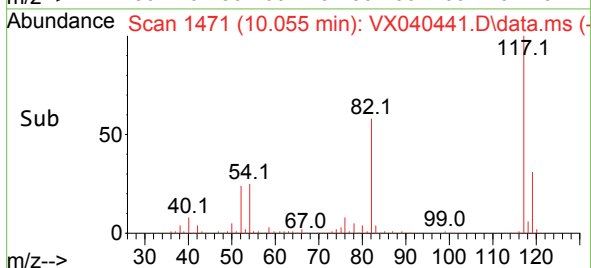
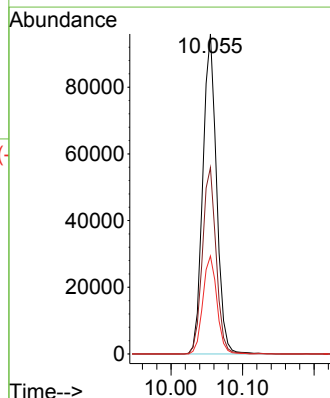
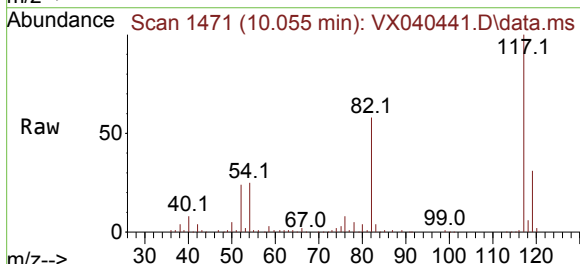
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

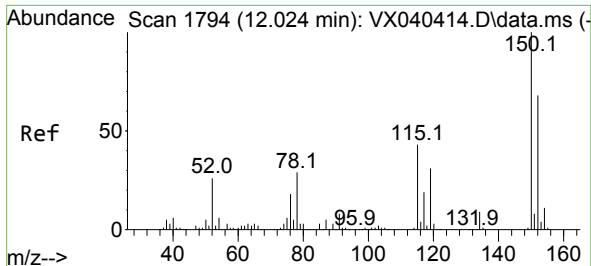
Tgt Ion: 95 Resp: 62332
Ion Ratio Lower Upper
95 100
174 72.0 0.0 135.6
176 70.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 117 Resp: 127661
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.4
119 30.6 25.5 38.3

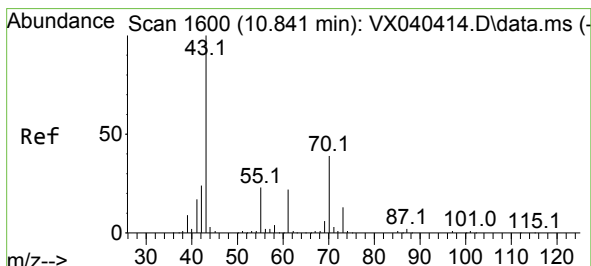
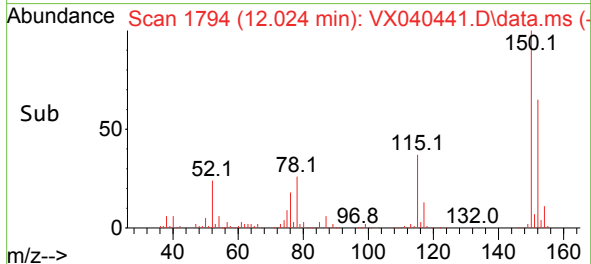
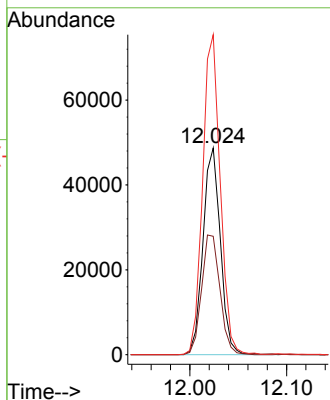
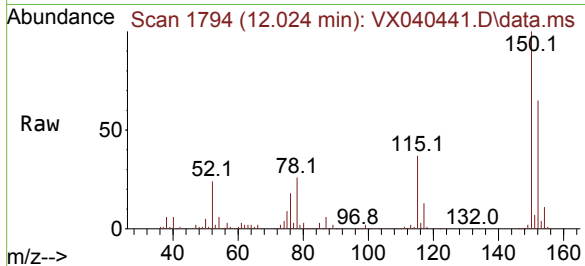




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX040441.D
 Acq: 23 Feb 2024 18:51

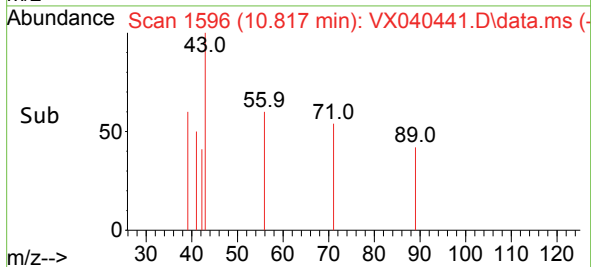
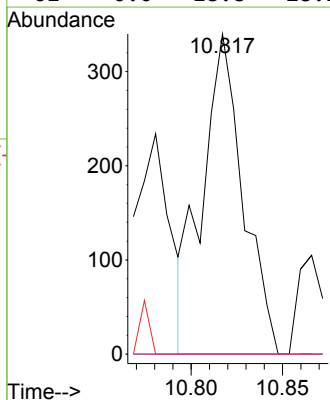
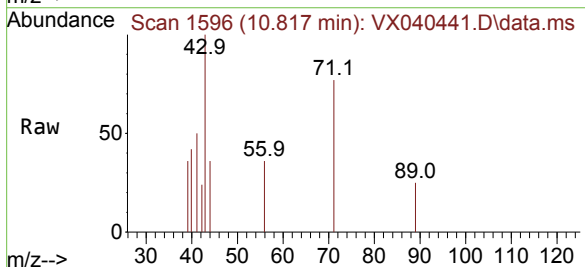
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#11

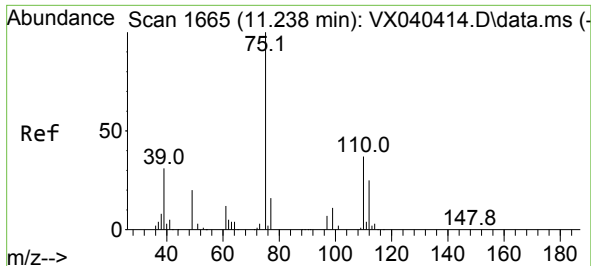
Tgt Ion:152 Resp: 61097
 Ion Ratio Lower Upper
 152 100
 115 61.0 43.3 129.9
 150 156.2 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.263 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX040441.D
 Acq: 23 Feb 2024 18:51

Tgt Ion: 43 Resp: 527
 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#

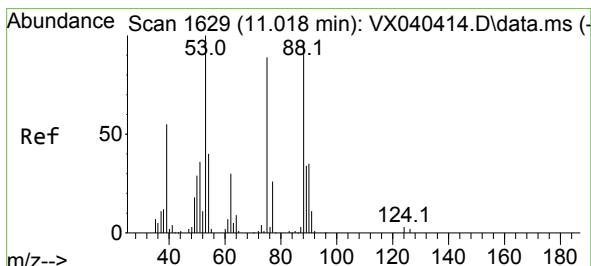
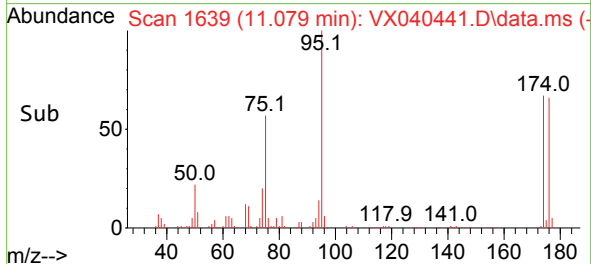
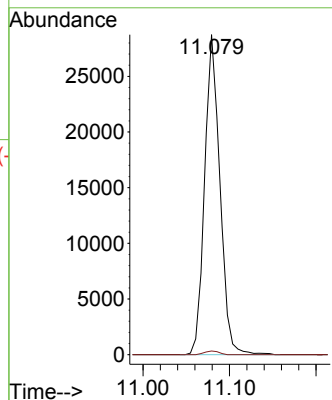
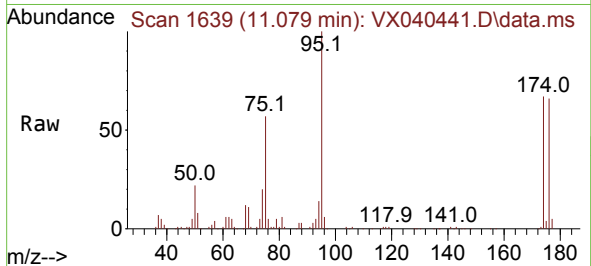




#76
1,2,3-Trichloropropane
Concen: 25.974 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#11

Tgt Ion: 75 Resp: 35288
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.380 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040441.D
Acq: 23 Feb 2024 18:51

Tgt Ion: 75 Resp: 35288
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

