

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040439.D
 Acq On : 23 Feb 2024 18:04
 Operator : JC/MD
 Sample : PB159217ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

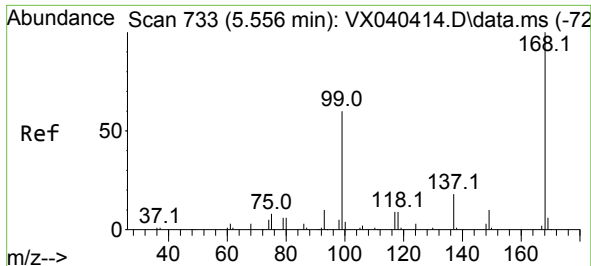
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#09

Quant Time: Feb 23 22:23:14 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	66810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118390	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54836	50.398	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.800%			
35) Dibromofluoromethane	5.391	113	40515	50.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.560%			
50) Toluene-d8	8.647	98	149413	51.848	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.700%			
62) 4-Bromofluorobenzene	11.079	95	58492	50.653	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.300%			
Target Compounds					Qvalue	
6) Chloroethane	1.721	64	344	0.629	ug/l #	43
11) Tert butyl alcohol	2.953	59	389	1.850	ug/l #	78
13) Acrolein	2.246	56	116	0.461	ug/l #	62
16) Acetone	2.380	43	26064	57.491	ug/l	92
18) Methyl Acetate	2.709	43	689	0.587	ug/l #	60
20) Methylene Chloride	2.788	84	9336	9.835	ug/l	91
25) 2-Butanone	4.574	43	2161	3.057	ug/l	99
29) Tetrahydrofuran	5.019	42	144	0.306	ug/l #	34
31) Cyclohexane	5.556	56	1835	1.407	ug/l #	50
36) 1,1-Dichloropropene	5.556	75	6262	5.072	ug/l #	47
37) Ethyl Acetate	4.721	43	876	0.621	ug/l #	73
38) Carbon Tetrachloride	5.550	117	7161	6.269	ug/l #	15
43) Isopropyl Acetate	6.342	43	56469	26.089	ug/l	97
48) Methyl methacrylate	7.799	41	50135	46.771	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	42911	29.189	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	385	0.305	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16321	12.141	ug/l #	64
56) Ethyl methacrylate	9.244	69	364	0.270	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2451	1.596	ug/l #	42
59) 2-Hexanone	9.378	43	51758	45.650	ug/l #	26
74) N-amyl acetate	10.817	43	477	0.251	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	33485	25.999	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	33485	90.465	ug/l #	5

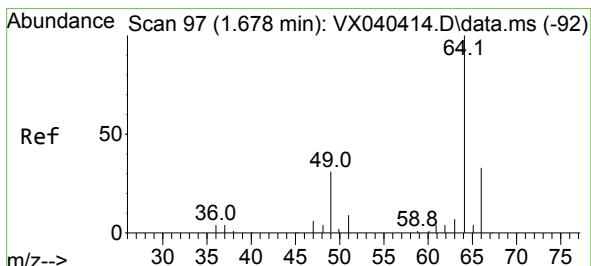
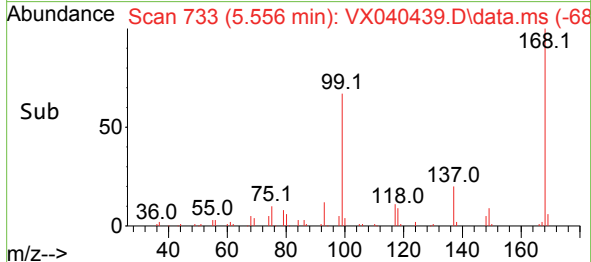
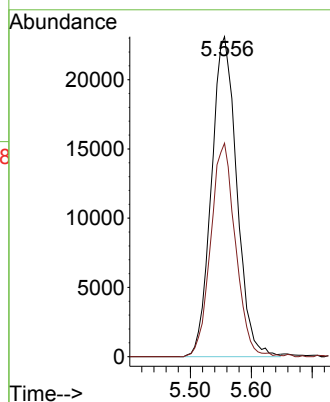
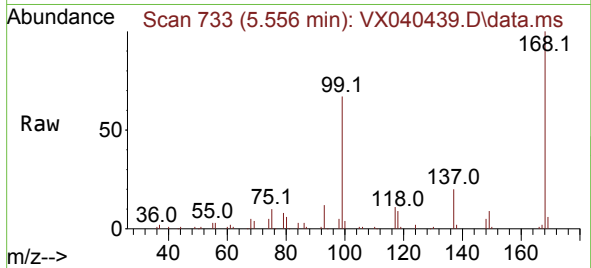
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

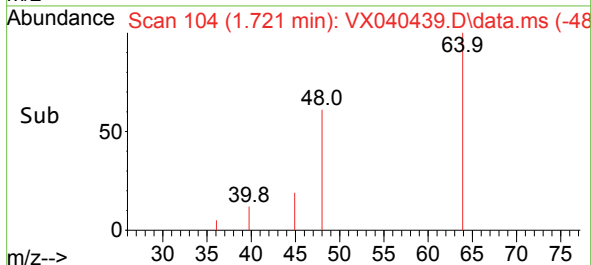
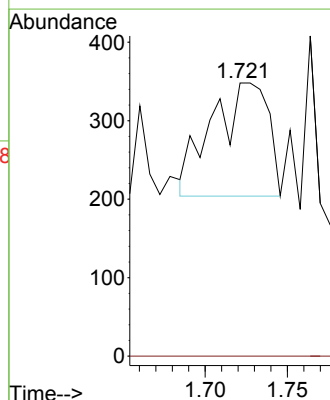
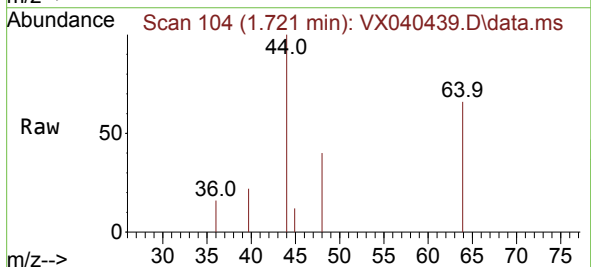
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#09

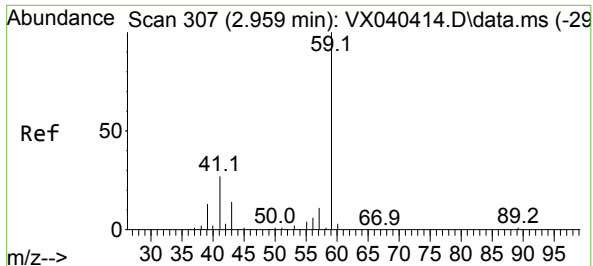
Tgt Ion:168 Resp: 66810
Ion Ratio Lower Upper
168 100
99 66.7 56.6 85.0



#6
Chloroethane
Concen: 0.629 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.043 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

Tgt Ion: 64 Resp: 344
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.850 ug/l

RT: 2.953 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX040439.D

Acq: 23 Feb 2024 18:04

Instrument :

MSVOA_X

ClientSampleId :

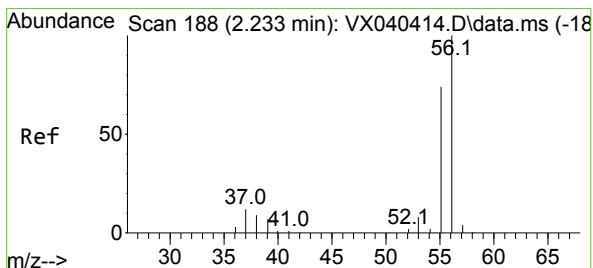
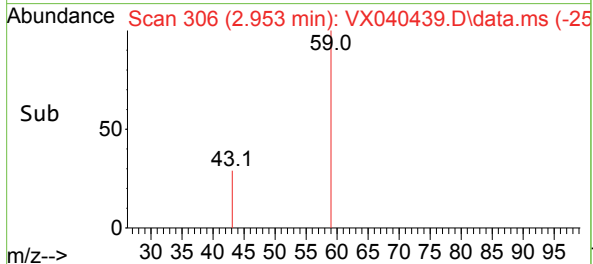
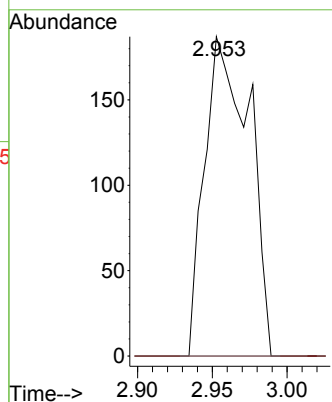
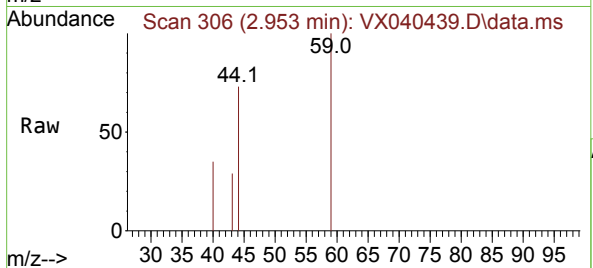
PB159217ZHE#09

Tgt Ion: 59 Resp: 389

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.461 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX040439.D

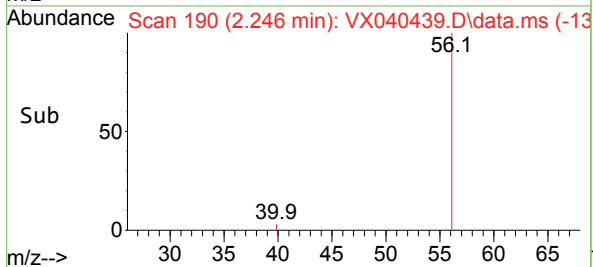
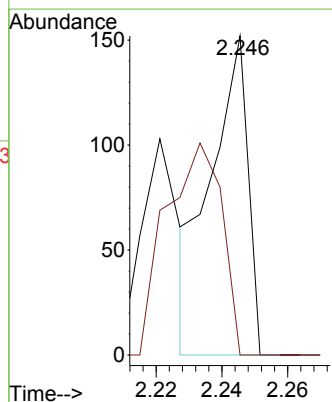
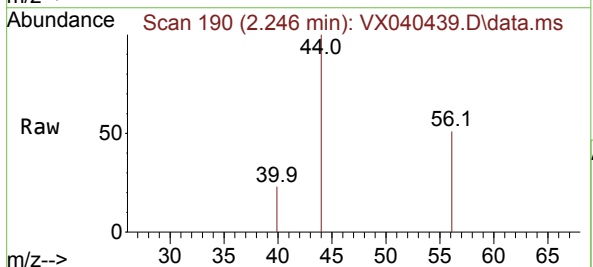
Acq: 23 Feb 2024 18:04

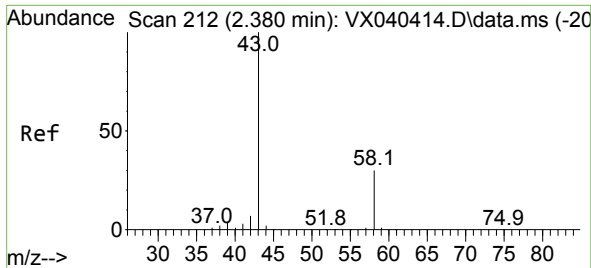
Tgt Ion: 56 Resp: 116

Ion Ratio Lower Upper

56 100

55 102.6 57.1 85.7#





#16

Acetone

Concen: 57.491 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX040439.D

Acq: 23 Feb 2024 18:04

Instrument :

MSVOA_X

ClientSampleId :

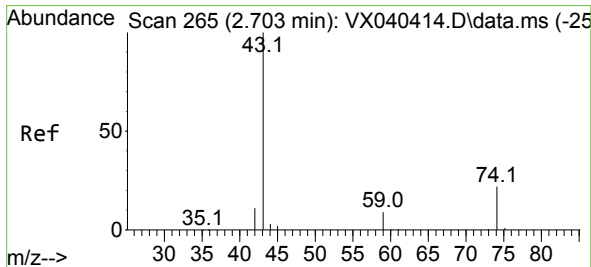
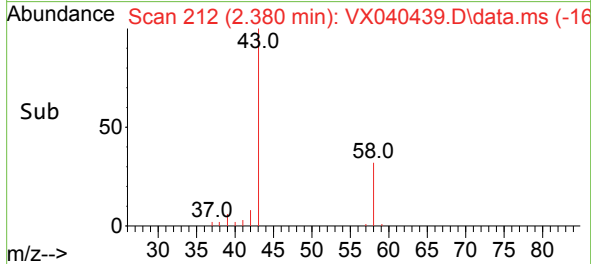
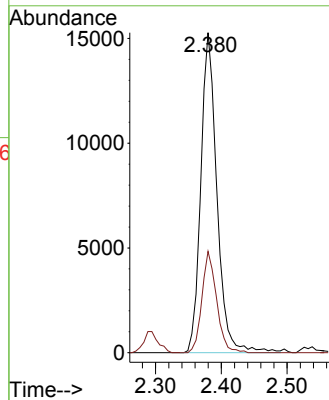
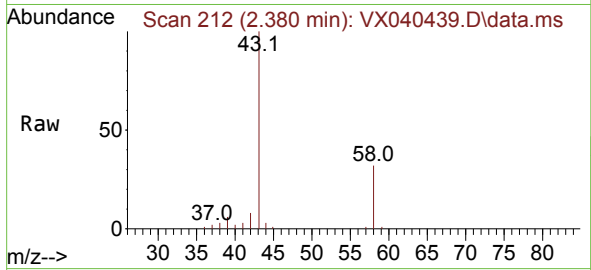
PB159217ZHE#09

Tgt Ion: 43 Resp: 26064

Ion Ratio Lower Upper

43 100

58 31.6 21.9 32.9



#18

Methyl Acetate

Concen: 0.587 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX040439.D

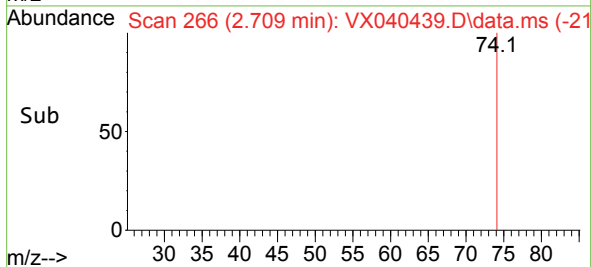
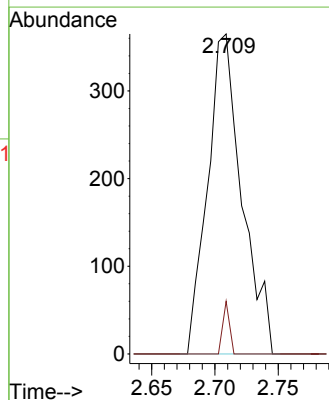
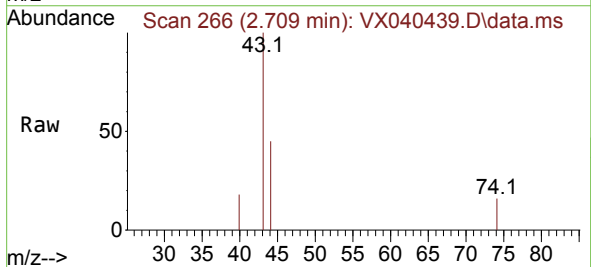
Acq: 23 Feb 2024 18:04

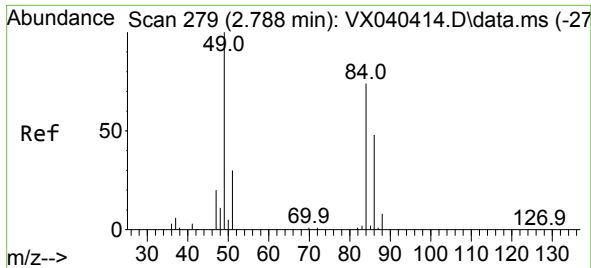
Tgt Ion: 43 Resp: 689

Ion Ratio Lower Upper

43 100

74 3.2 17.8 26.8#

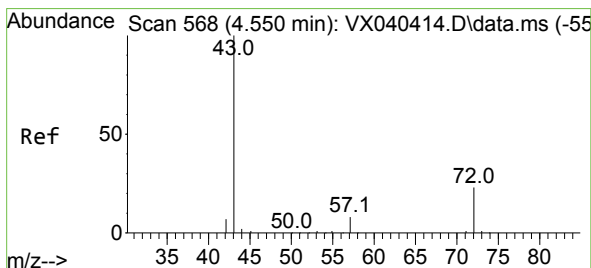
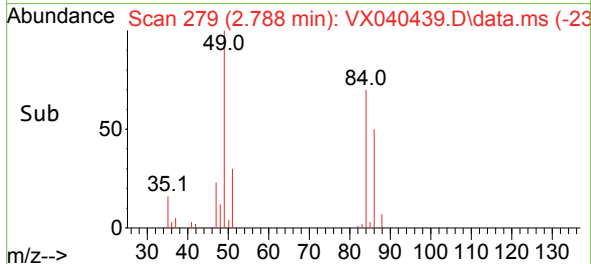
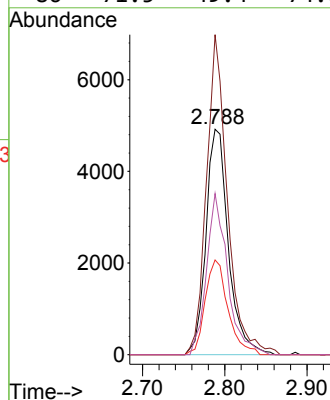
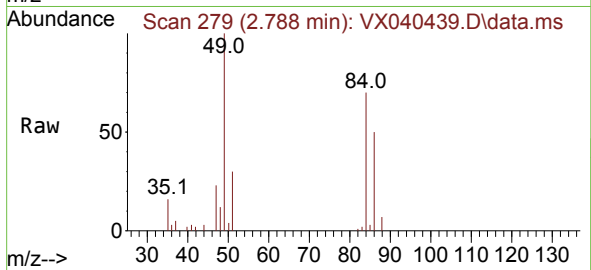




#20
Methylene Chloride
Concen: 9.835 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

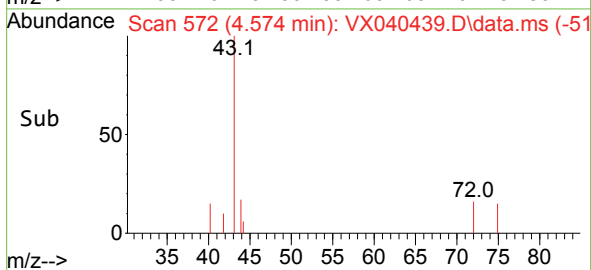
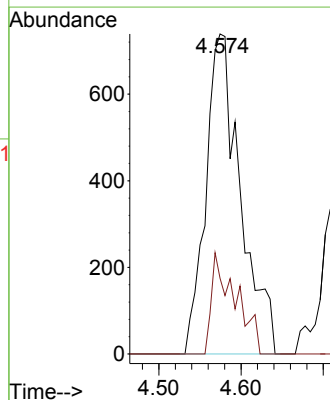
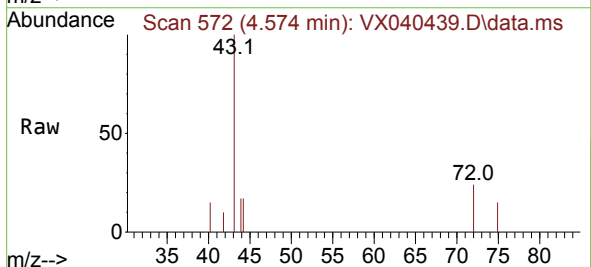
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#09

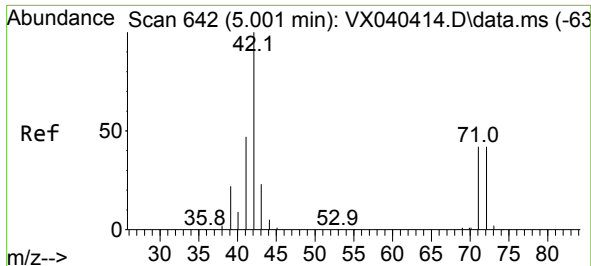
Tgt Ion:	84	Resp:	9336
Ion	Ratio	Lower	Upper
84	100		
49	142.0	103.6	155.4
51	42.0	33.8	50.6
86	71.5	49.4	74.0



#25
2-Butanone
Concen: 3.057 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

Tgt Ion:	43	Resp:	2161
Ion	Ratio	Lower	Upper
43	100		
72	23.7	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.306 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX040439.D

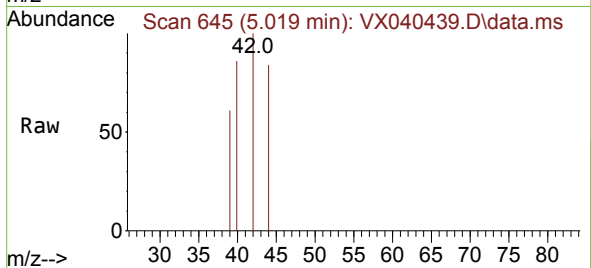
Acq: 23 Feb 2024 18:04

Instrument :

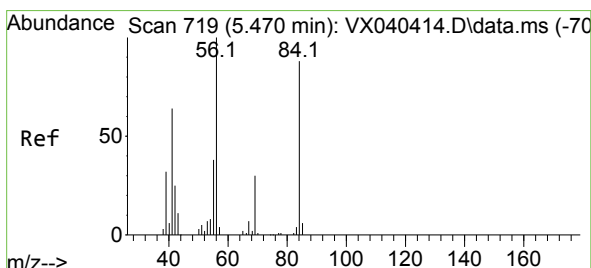
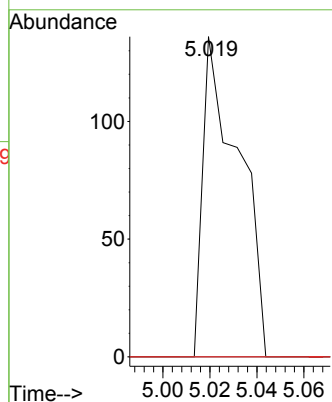
MSVOA_X

ClientSampleId :

PB159217ZHE#09



Tgt Ion:	42	Resp:	144
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.407 ug/l

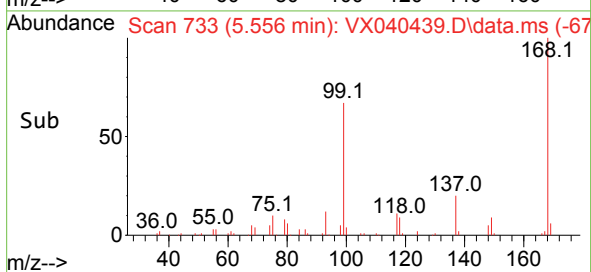
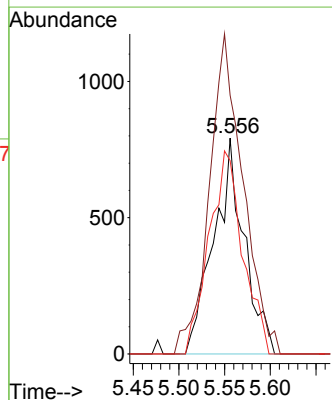
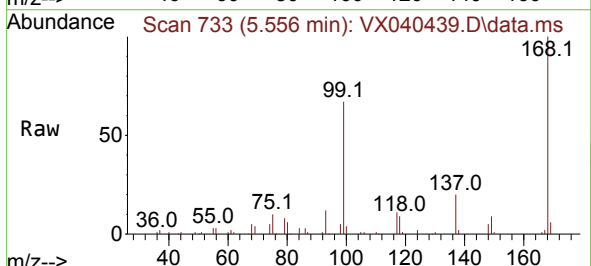
RT: 5.556 min Scan# 733

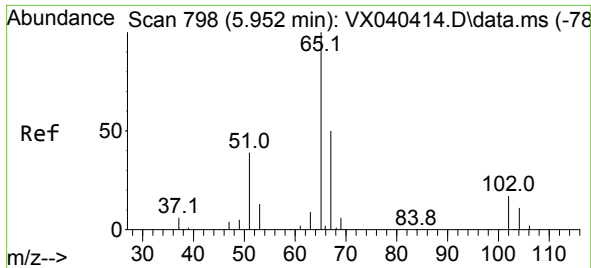
Delta R.T. 0.085 min

Lab File: VX040439.D

Acq: 23 Feb 2024 18:04

Tgt Ion:	56	Resp:	1835
Ion	Ratio	Lower	Upper
56	100		
69	119.8	23.4	35.2#
84	89.5	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 50.398 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040439.D

Acq: 23 Feb 2024 18:04

Instrument :

MSVOA_X

ClientSampleId :

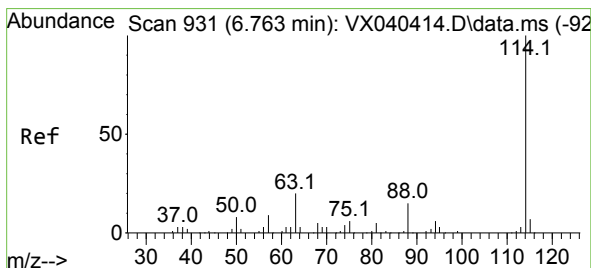
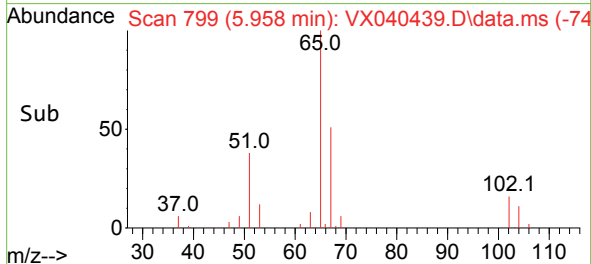
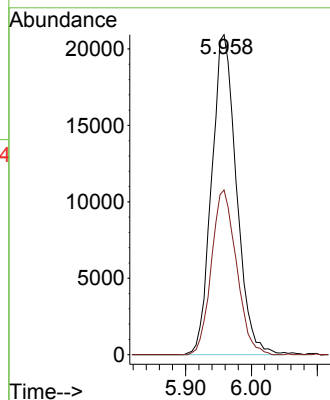
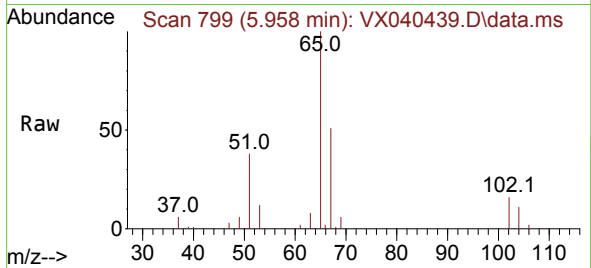
PB159217ZHE#09

Tgt Ion: 65 Resp: 54836

Ion Ratio Lower Upper

65 100

67 52.1 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: VX040439.D

Acq: 23 Feb 2024 18:04

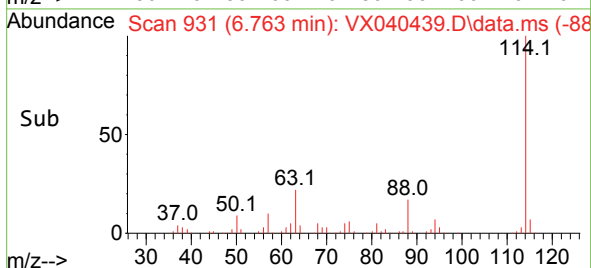
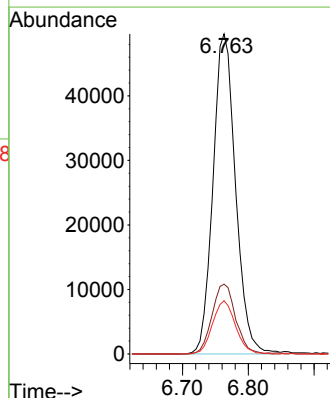
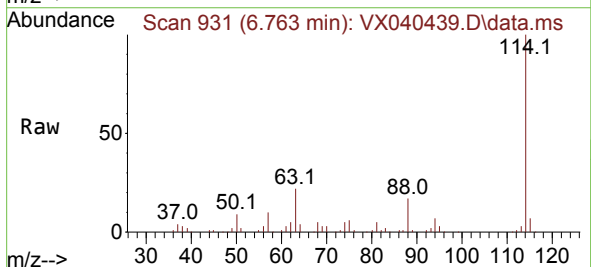
Tgt Ion: 114 Resp: 118390

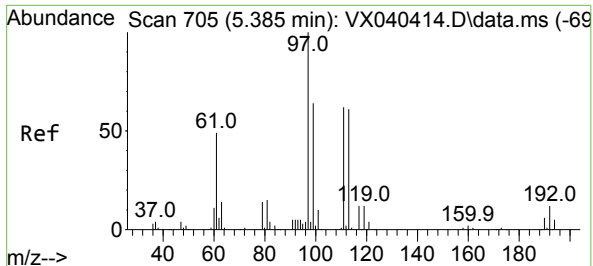
Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.0

88 16.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 50.783 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX040439.D

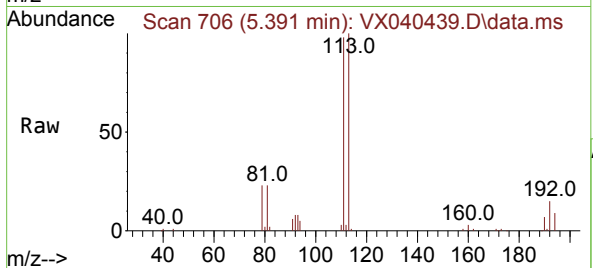
Acq: 23 Feb 2024 18:04

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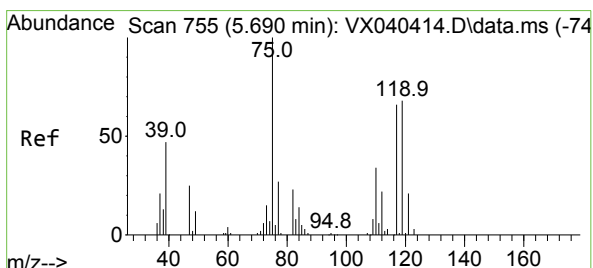
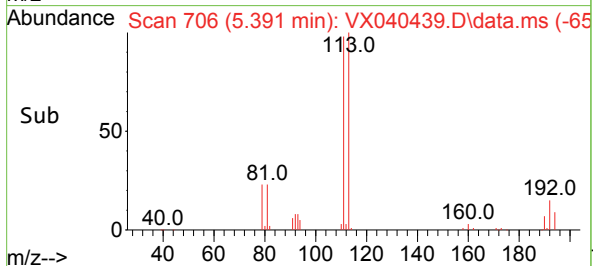
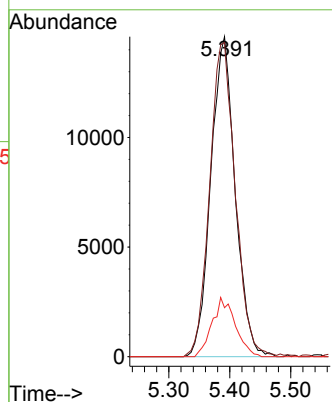
Tgt Ion:113 Resp: 40515

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

192 17.6 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.072 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX040439.D

Acq: 23 Feb 2024 18:04

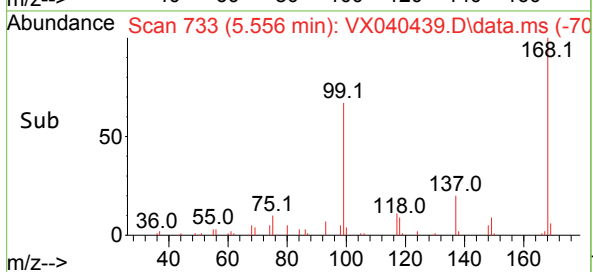
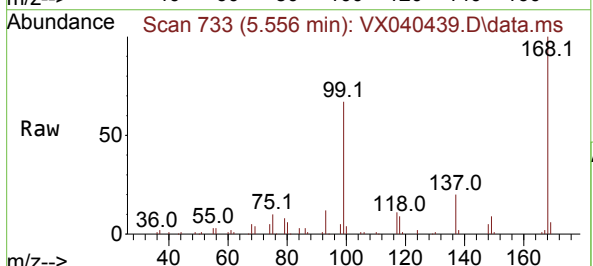
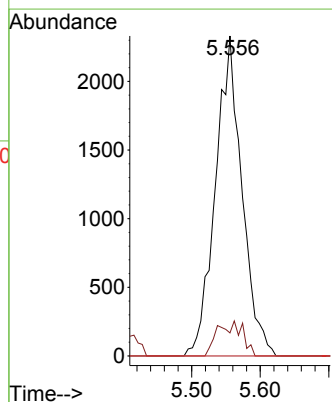
Tgt Ion: 75 Resp: 6262

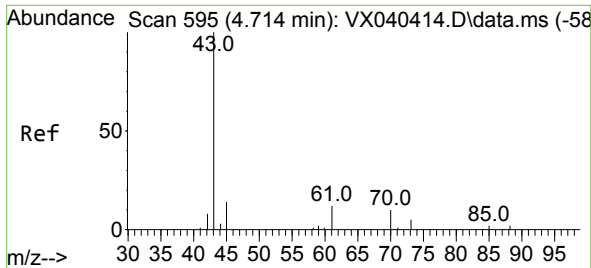
Ion Ratio Lower Upper

75 100

110 5.7 17.0 50.9#

77 0.0 24.7 37.1#

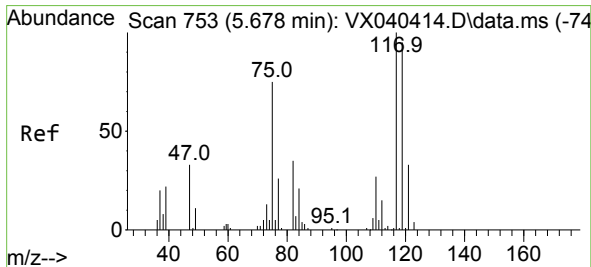
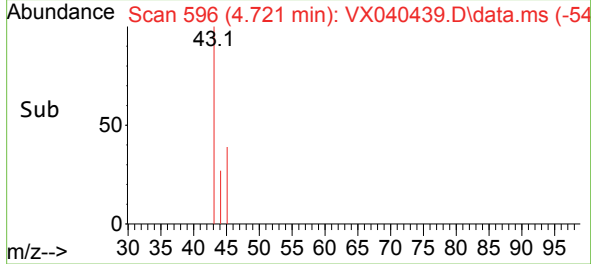
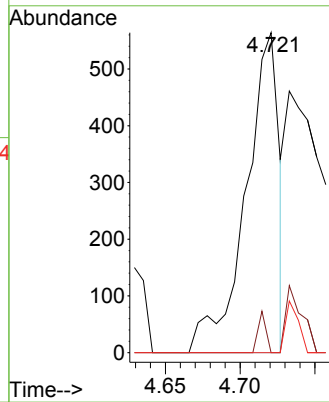
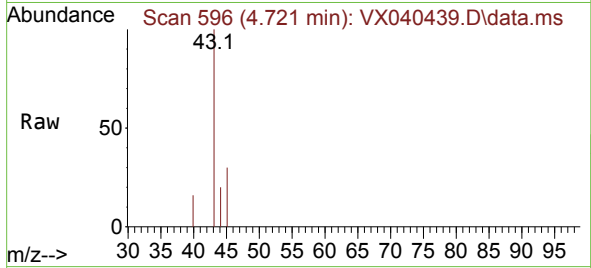




#37
Ethyl Acetate
Concen: 0.621 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

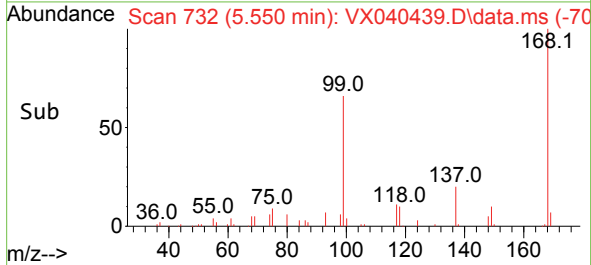
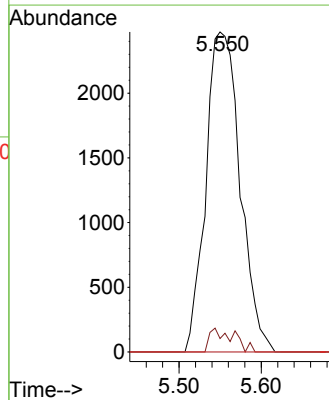
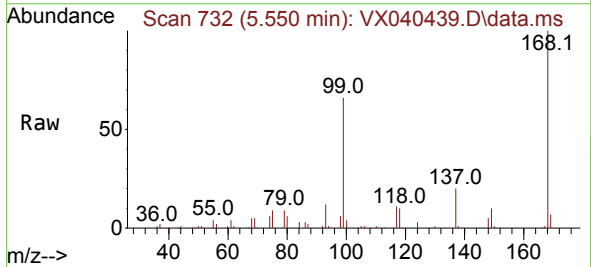
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#09

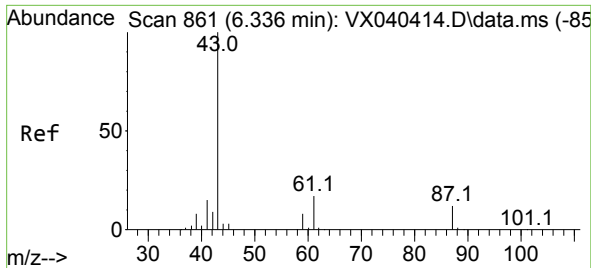
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
61 3.1 10.6 16.0#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 6.269 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

Tgt Ion: 117 Resp: 7161
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#

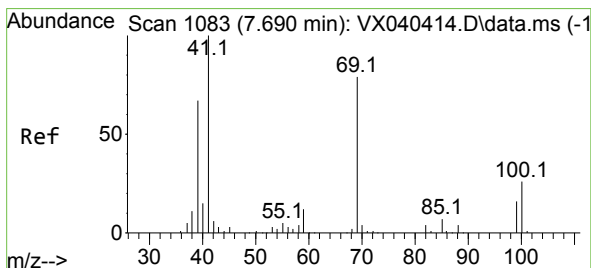
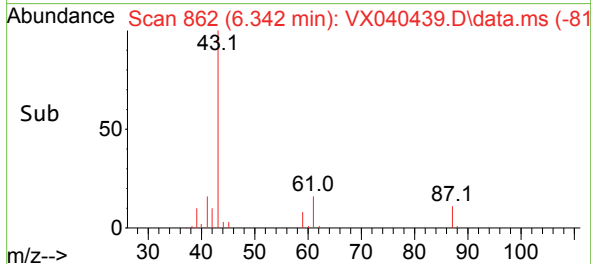
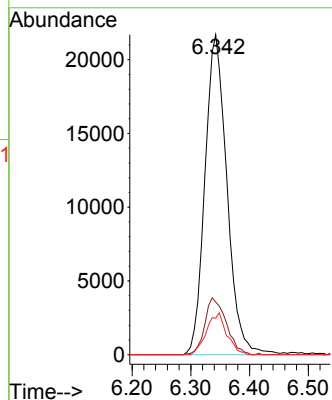
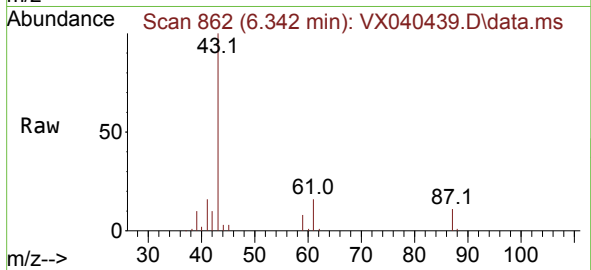




#43
Isopropyl Acetate
Concen: 26.089 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

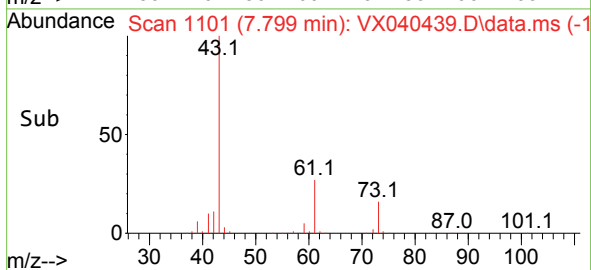
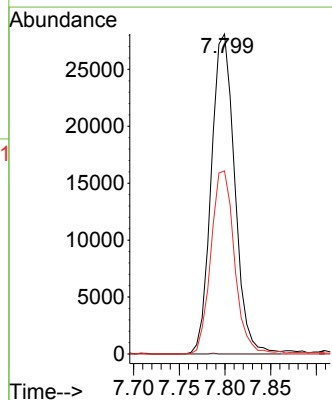
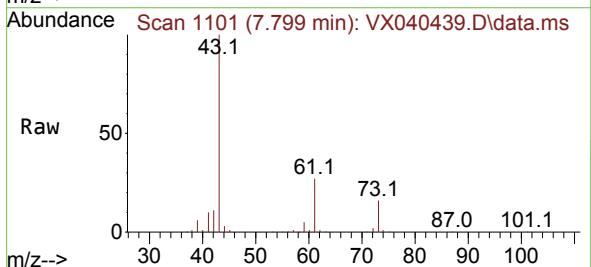
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#09

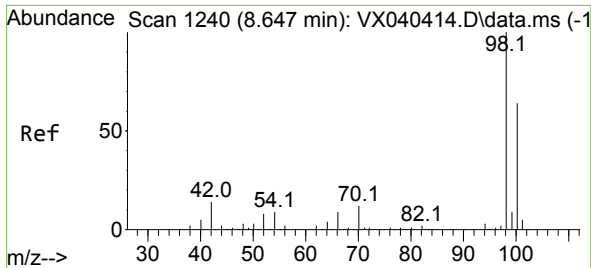
Tgt Ion: 43 Resp: 56469
Ion Ratio Lower Upper
43 100
61 17.3 15.2 22.8
87 12.0 9.8 14.6



#48
Methyl methacrylate
Concen: 46.771 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

Tgt Ion: 41 Resp: 50135
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 57.8 47.7 71.5

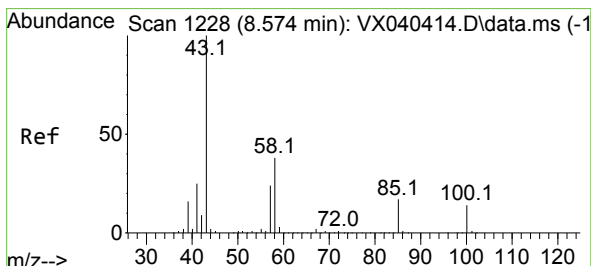
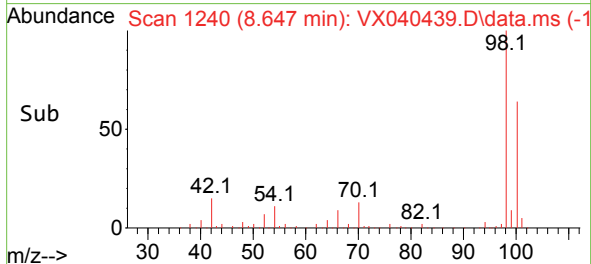
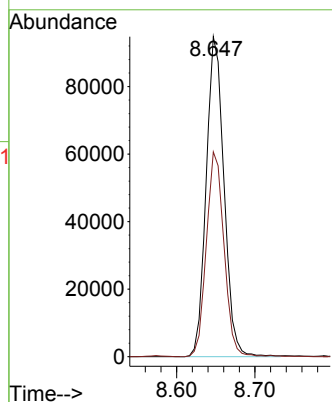
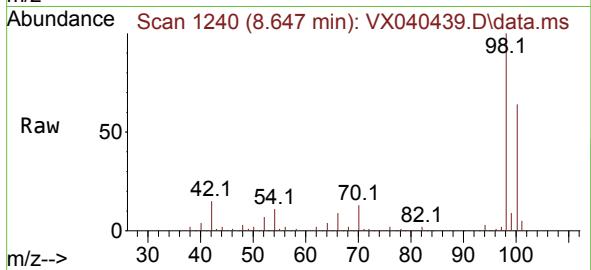




#50
Toluene-d8
Concen: 51.848 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

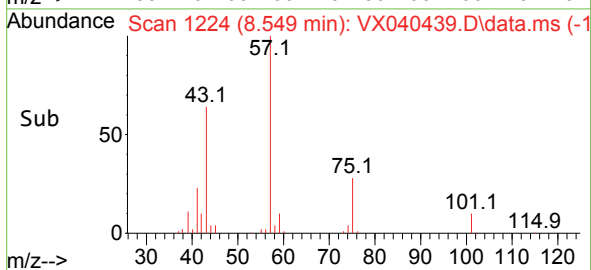
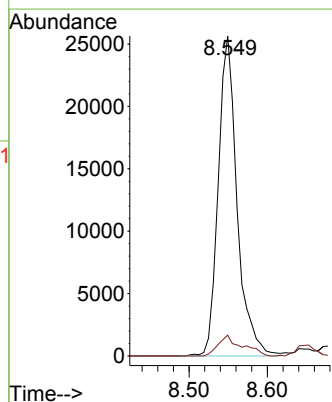
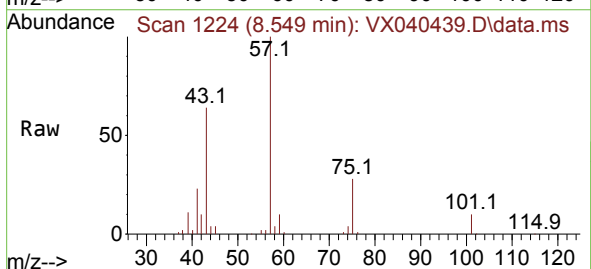
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#09

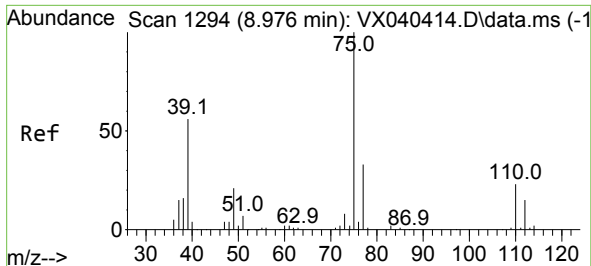
Tgt Ion: 98 Resp: 149413
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 29.189 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

Tgt Ion: 43 Resp: 42911
Ion Ratio Lower Upper
43 100
58 8.1 30.4 45.6#

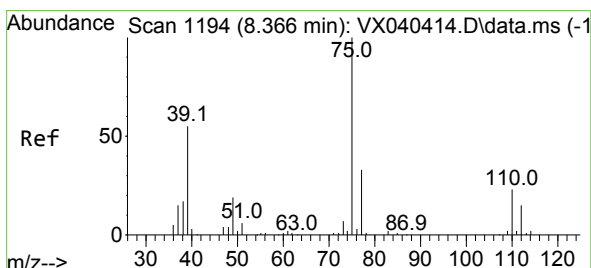
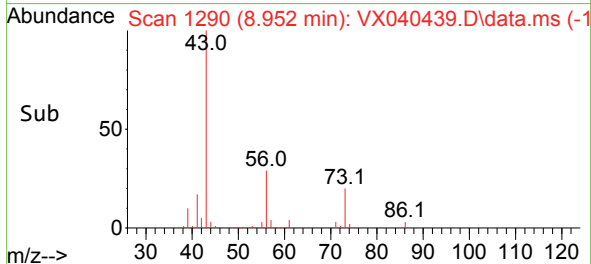
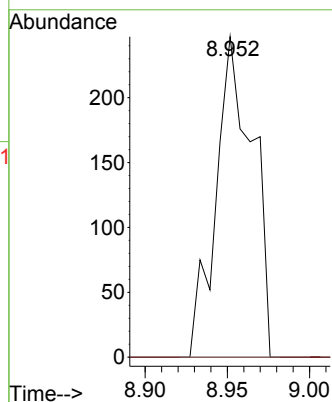
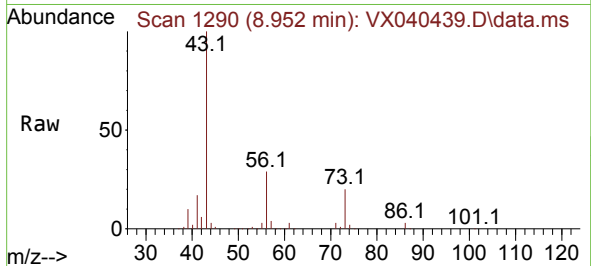




#53
 t-1,3-Dichloropropene
 Concen: 0.305 ug/l
 RT: 8.952 min Scan# 1124
 Delta R.T. -0.024 min
 Lab File: VX040439.D
 Acq: 23 Feb 2024 18:04

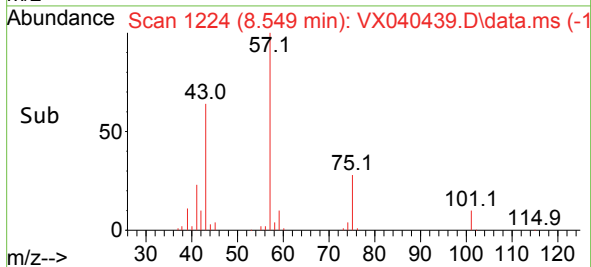
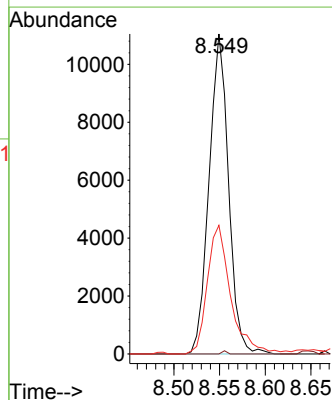
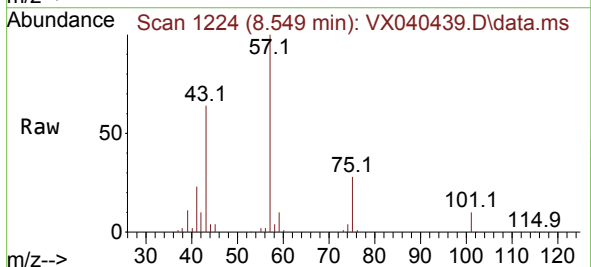
Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#09

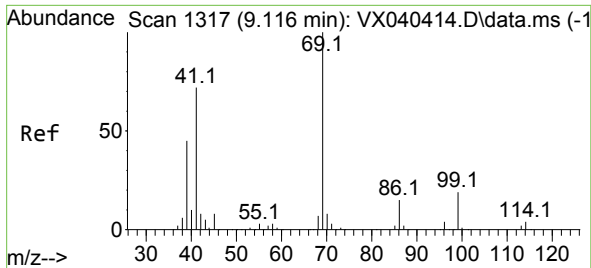
Tgt Ion: 75 Resp: 385
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.141 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040439.D
 Acq: 23 Feb 2024 18:04

Tgt Ion: 75 Resp: 16321
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 40.2 46.7 70.1#

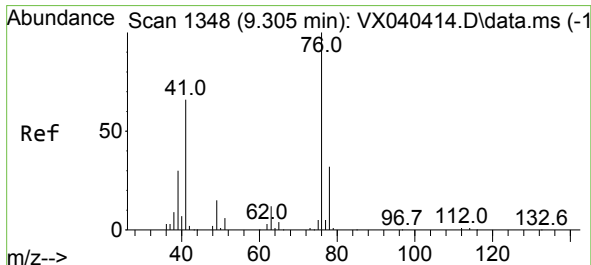
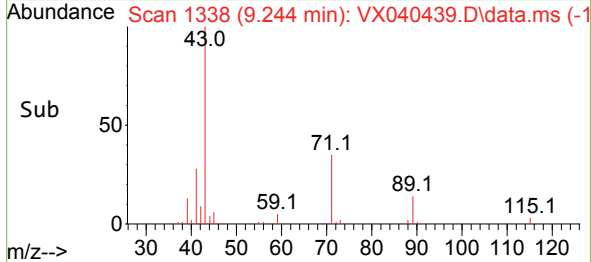
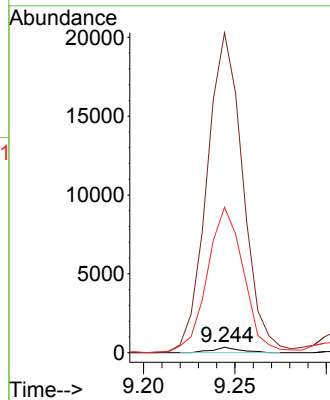
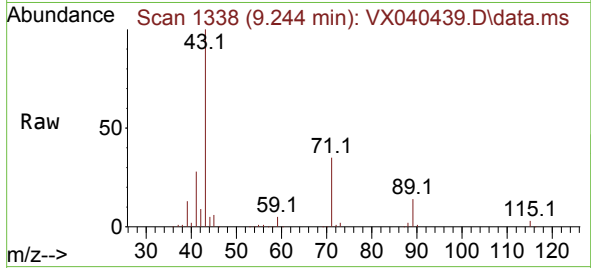




#56
Ethyl methacrylate
Concen: 0.270 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

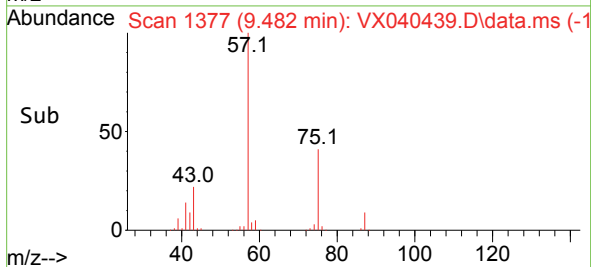
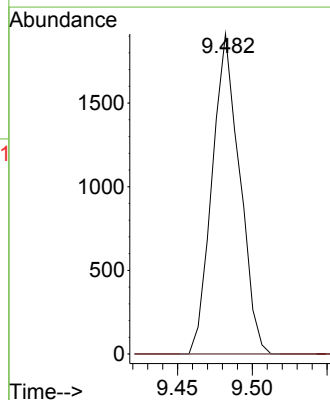
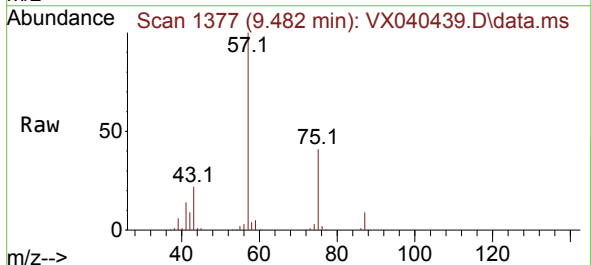
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#09

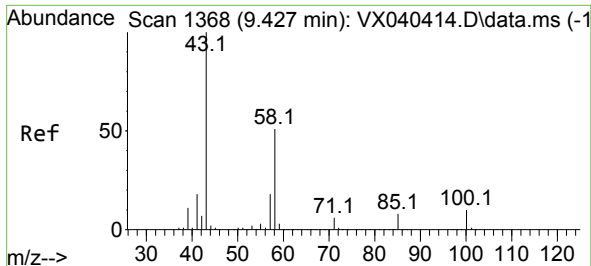
Tgt Ion: 69 Resp: 364
Ion Ratio Lower Upper
69 100
41 7654.7 56.8 85.2#
39 3540.4 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.596 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

Tgt Ion: 76 Resp: 2451
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

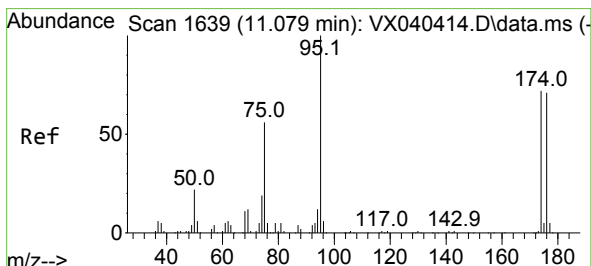
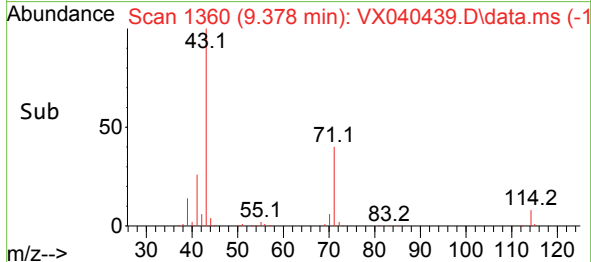
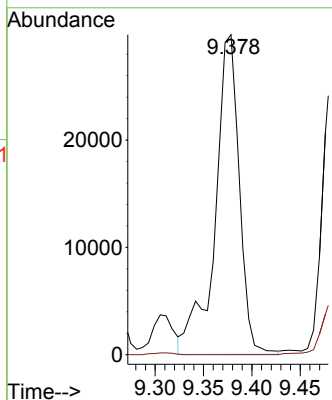
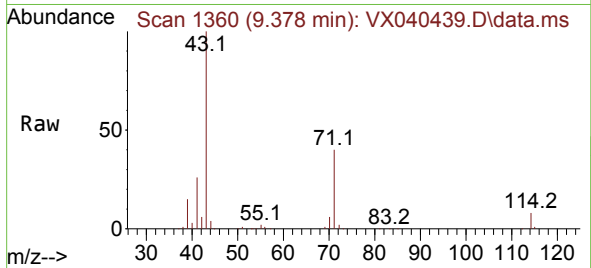




#59
2-Hexanone
Concen: 45.650 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

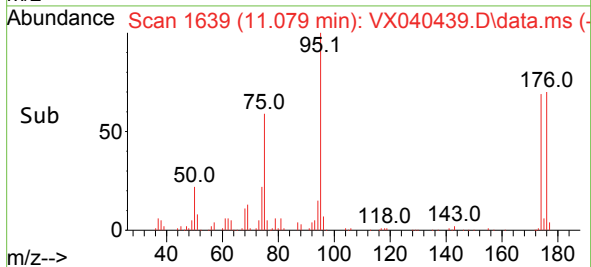
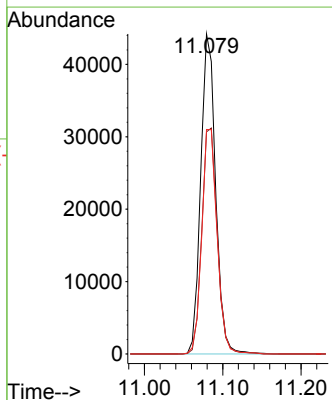
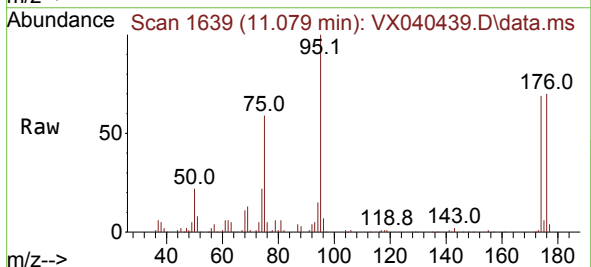
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#09

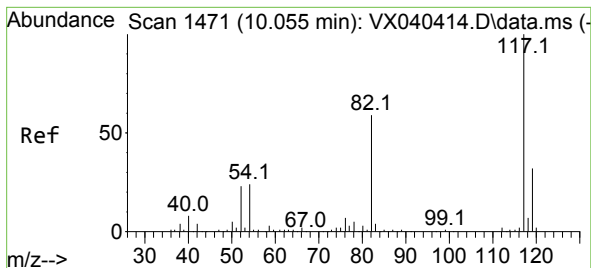
Tgt Ion: 43 Resp: 51758
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.653 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

Tgt Ion: 95 Resp: 58492
Ion Ratio Lower Upper
95 100
174 72.5 0.0 135.6
176 72.0 0.0 131.0

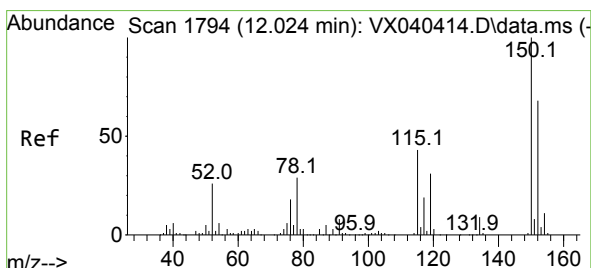
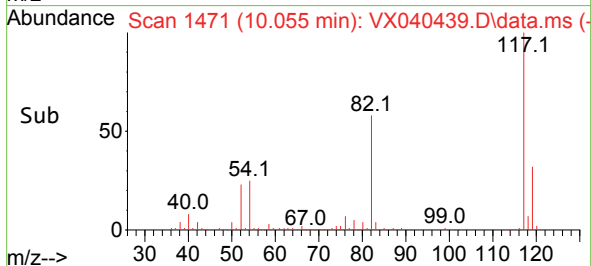
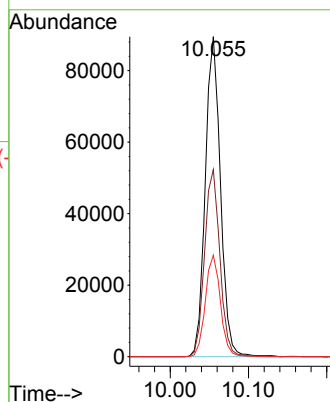
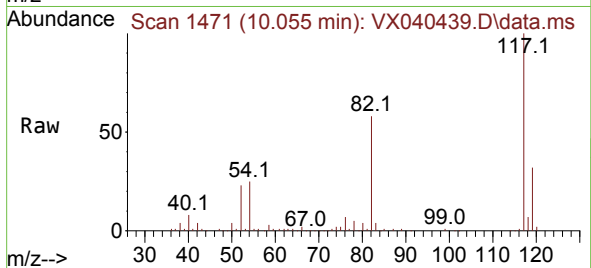




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

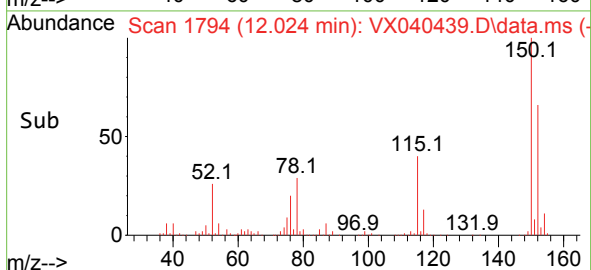
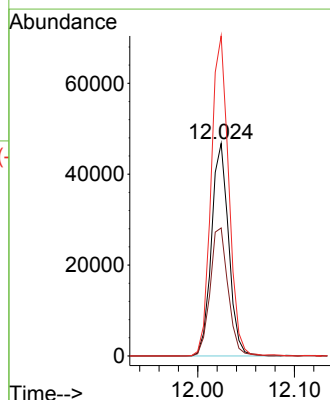
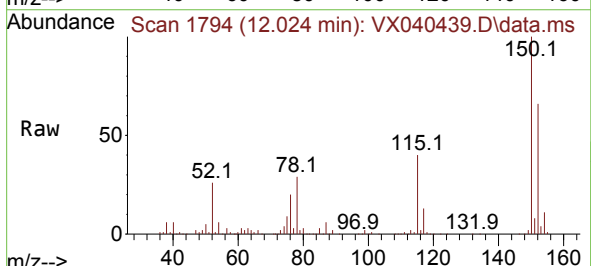
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#09

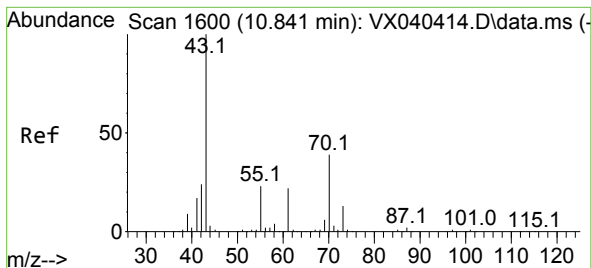
Tgt Ion:117 Resp: 120305
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

Tgt Ion:152 Resp: 57921
Ion Ratio Lower Upper
152 100
115 62.8 43.3 129.9
150 153.8 0.0 345.0

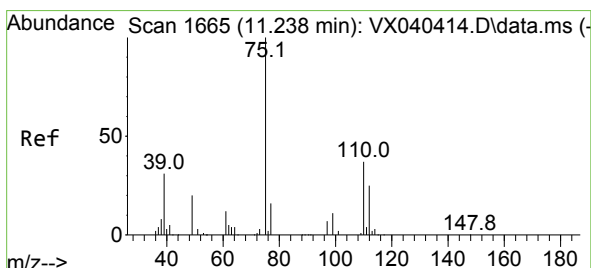
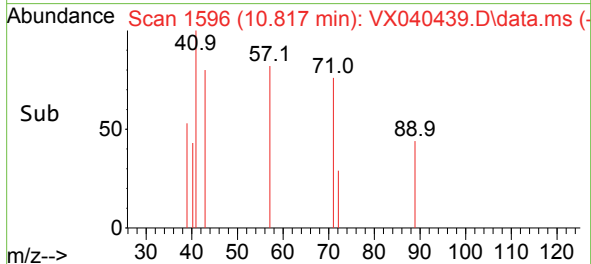
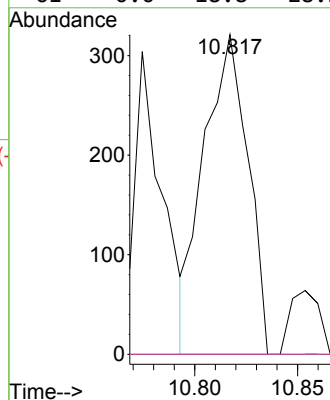
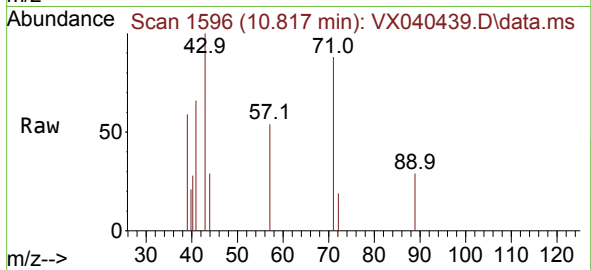




#74
N-amy1 acetate
Concen: 0.251 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

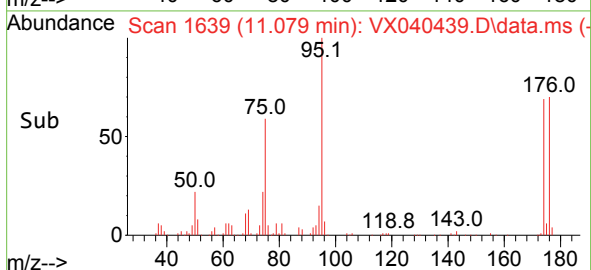
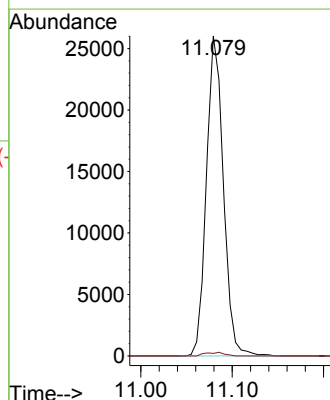
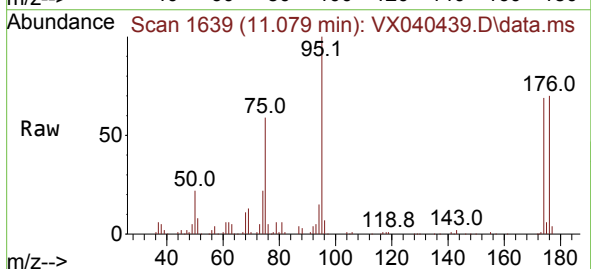
Instrument :
MSVOA_X
ClientSampleId :
PB159217ZHE#09

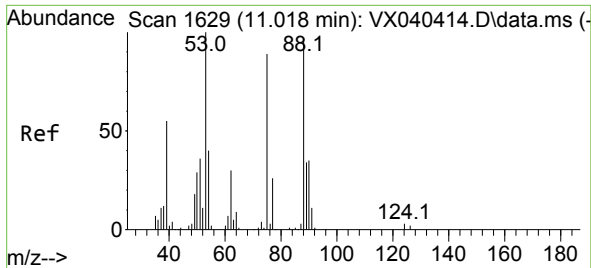
Tgt Ion: 43	Resp: 477
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 0.0	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 25.999 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040439.D
Acq: 23 Feb 2024 18:04

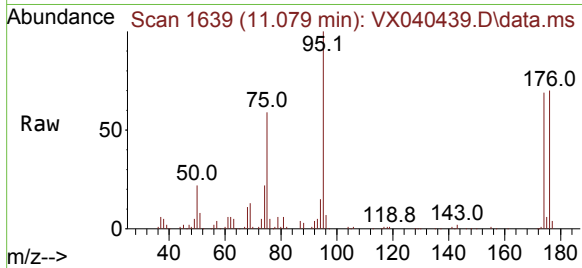
Tgt Ion: 75	Resp:	33485	
Ion Ratio	Lower	Upper	
75 100			
77 1.3	19.1	57.5#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.465 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040439.D
 Acq: 23 Feb 2024 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 PB159217ZHE#09



Tgt Ion: 75 Resp: 33485
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

