

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013024\
 Data File : VX040031.D
 Acq On : 30 Jan 2024 19:52
 Operator : JC/MD
 Sample : PB158700ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#06

Quant Time: Jan 31 05:40:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 05:24:02 2024
 Response via : Initial Calibration

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

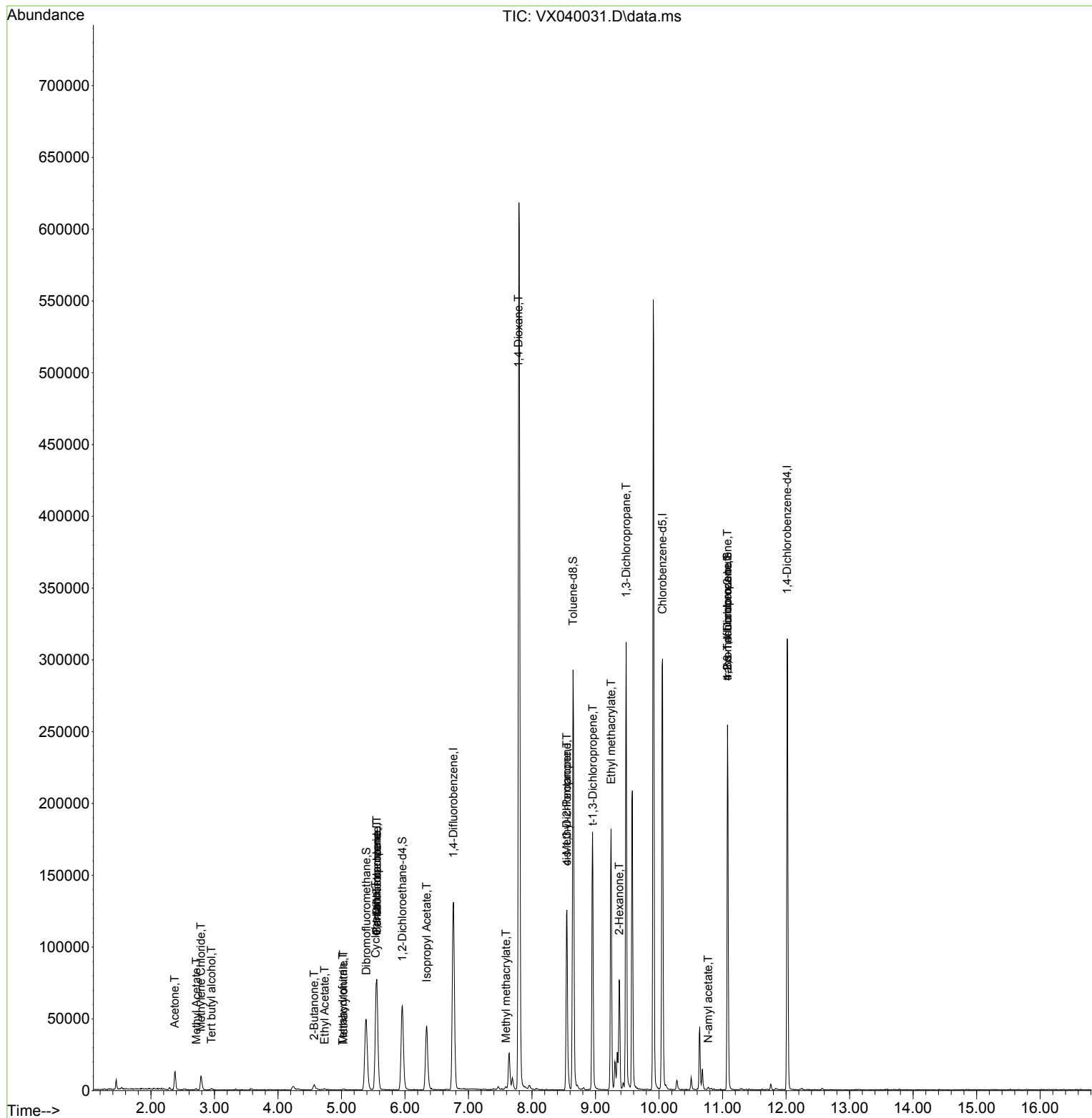
Internal Standards						
1) Pentafluorobenzene	5.556	168	67712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128099	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57173	52.465	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.920%			
35) Dibromofluoromethane	5.391	113	42394	48.616	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.240%			
50) Toluene-d8	8.647	98	168204	51.579	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.160%			
62) 4-Bromofluorobenzene	11.079	95	65628	52.264	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.520%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	1190	6.018	ug/l #	83
16) Acetone	2.374	43	13453	26.348	ug/l	99
18) Methyl Acetate	2.715	43	883	0.730	ug/l	96
20) Methylene Chloride	2.788	84	4025	4.436	ug/l	89
25) 2-Butanone	4.568	43	6639	9.354	ug/l	91
29) Tetrahydrofuran	5.019	42	289	0.640	ug/l #	34
31) Cyclohexane	5.538	56	996	0.730	ug/l #	67
36) 1,1-Dichloropropene	5.556	75	6803	5.394	ug/l #	50
37) Ethyl Acetate	4.733	43	2235	1.623	ug/l #	78
38) Carbon Tetrachloride	5.556	117	7654	6.343	ug/l #	17
41) Methacrylonitrile	5.032	41	231	0.331	ug/l #	53
43) Isopropyl Acetate	6.342	43	61887	28.493	ug/l	97
48) Methyl methacrylate	7.592	41	1744	1.630	ug/l #	16
49) 1,4-Dioxane	7.787	88	19	0.817	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	46520	31.376	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	357	0.265	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	19075	13.294	ug/l #	61
56) Ethyl methacrylate	9.244	69	455	0.329	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2438	1.562	ug/l #	42
59) 2-Hexanone	9.372	43	55853	47.247	ug/l #	26
74) N-amyl acetate	10.774	43	941	0.695	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	36016	29.051	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	36016	83.758	ug/l #	5

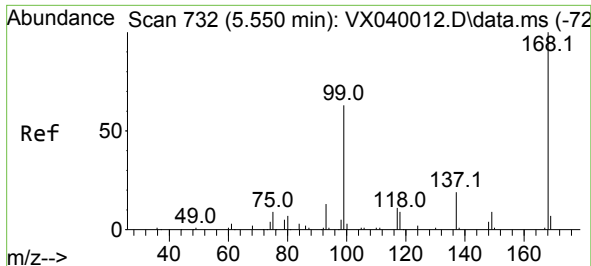
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jan 31 05:40:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 31 05:24:02 2024
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX040031.D

Acq: 30 Jan 2024 19:52

Instrument :

MSVOA_X

ClientSampleId :

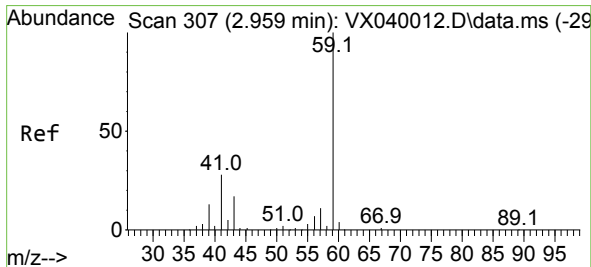
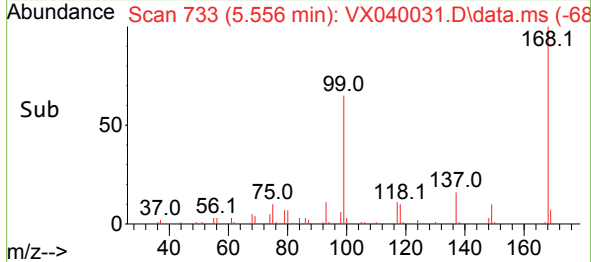
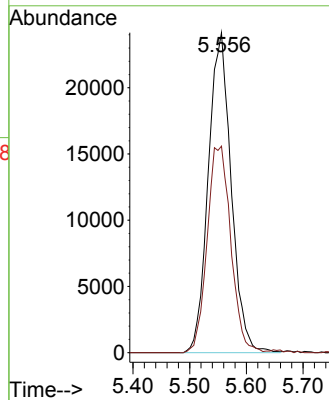
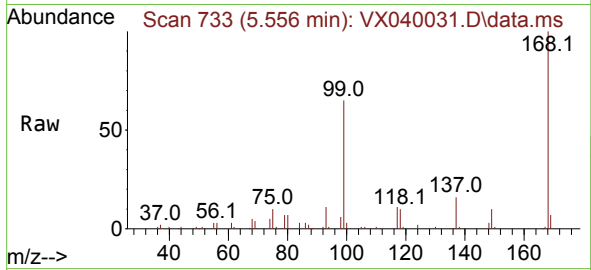
PB158700ZHE#06

Tgt Ion:168 Resp: 67712

Ion Ratio Lower Upper

168 100

99 64.5 56.6 85.0



#11

Tert butyl alcohol

Concen: 6.018 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX040031.D

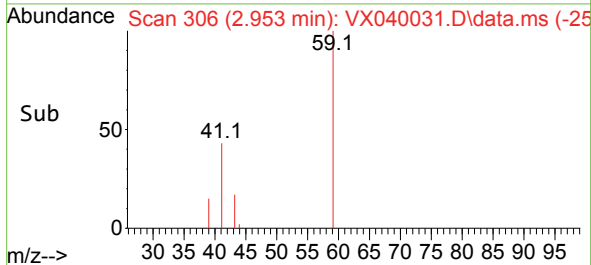
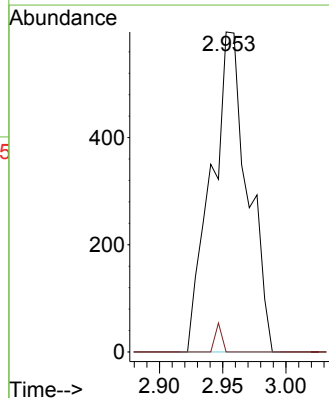
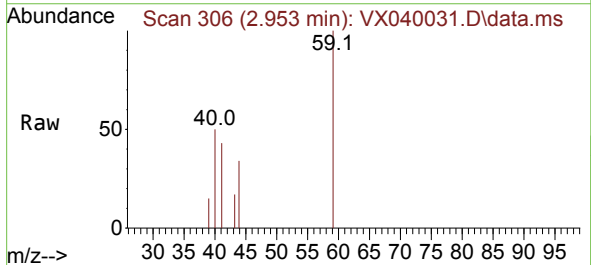
Acq: 30 Jan 2024 19:52

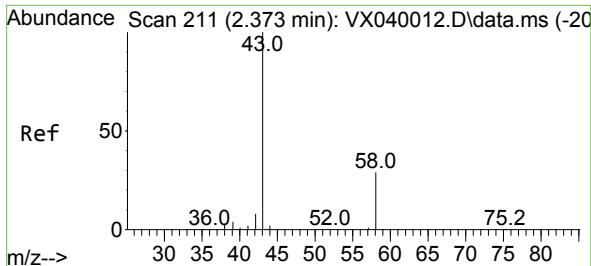
Tgt Ion: 59 Resp: 1190

Ion Ratio Lower Upper

59 100

57 1.7 6.0 9.0#

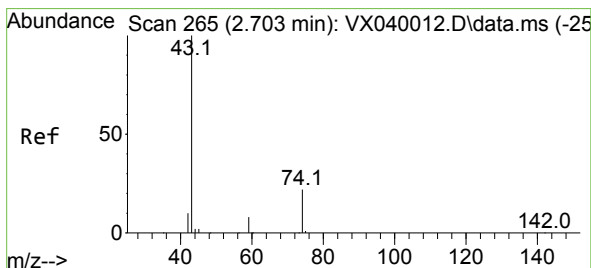
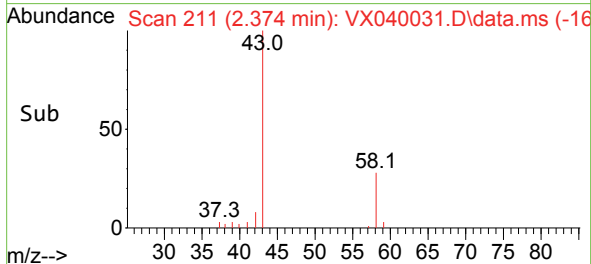
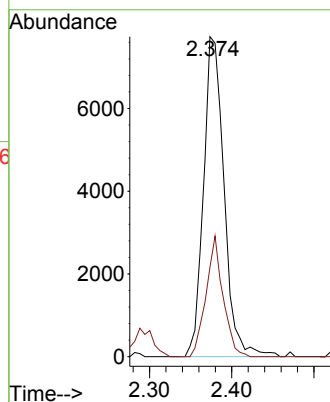
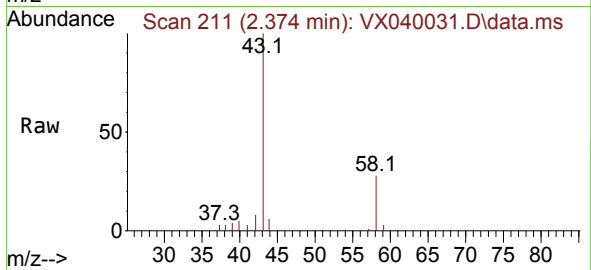




#16
Acetone
Concen: 26.348 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

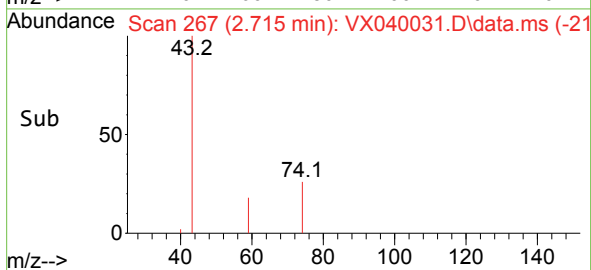
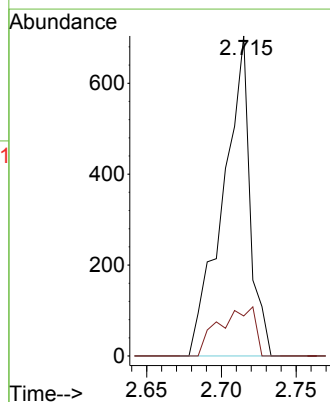
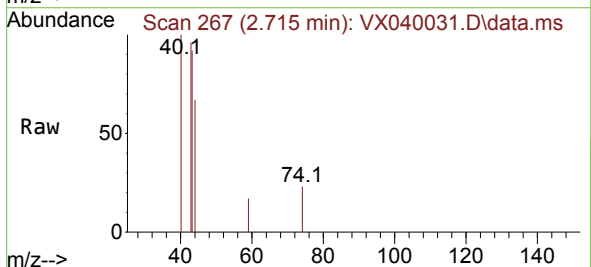
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#06

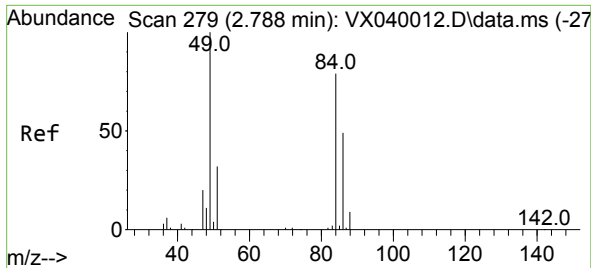
Tgt Ion: 43 Resp: 13453
Ion Ratio Lower Upper
43 100
58 28.0 21.9 32.9



#18
Methyl Acetate
Concen: 0.730 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
74 20.3 17.8 26.8

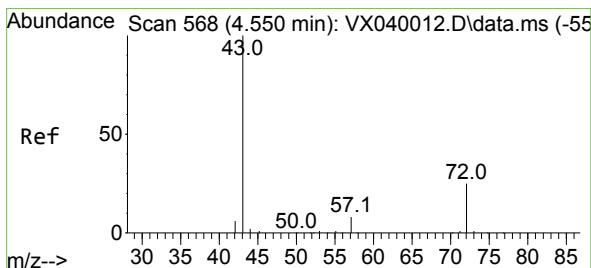
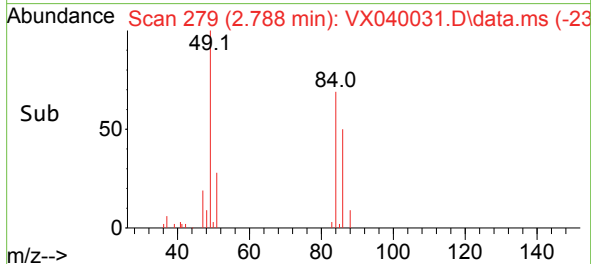
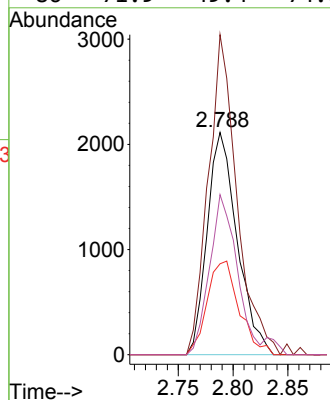
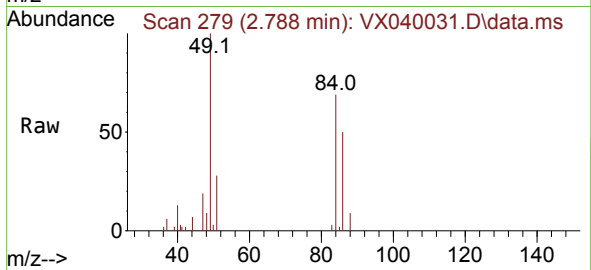




#20
Methylene Chloride
Concen: 4.436 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

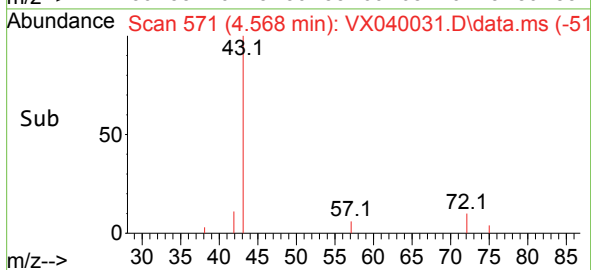
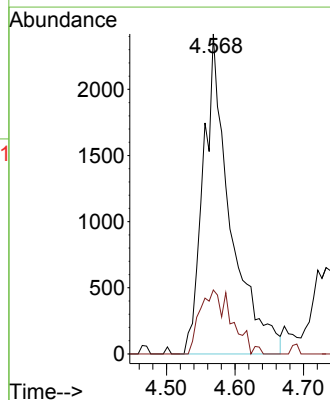
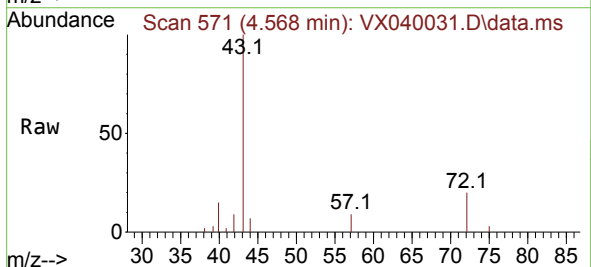
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#06

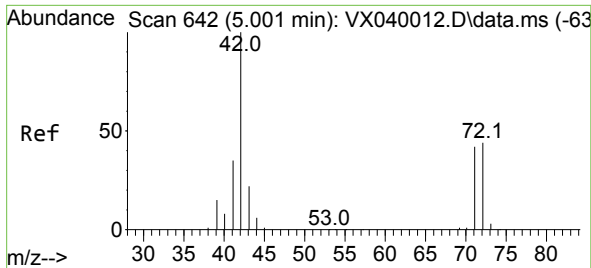
Tgt Ion: 84	Resp: 4025
Ion Ratio	Lower Upper
84 100	
49 143.9	103.6 155.4
51 40.9	33.8 50.6
86 71.9	49.4 74.0



#25
2-Butanone
Concen: 9.354 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion: 43	Resp: 6639		
Ion Ratio	Lower	Upper	
43 100			
72 20.0	19.4	29.2	





#29

Tetrahydrofuran

Concen: 0.640 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX040031.D

Acq: 30 Jan 2024 19:52

Instrument :

MSVOA_X

ClientSampleId :

PB158700ZHE#06

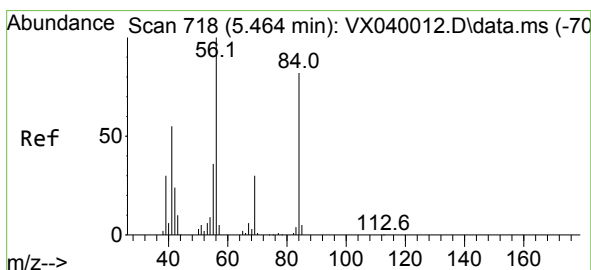
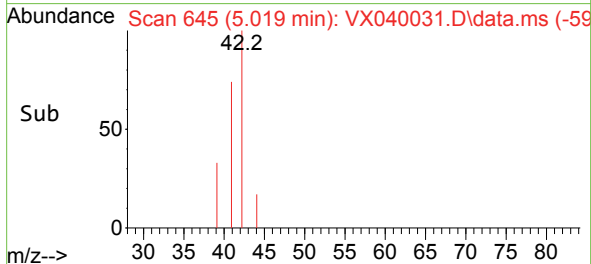
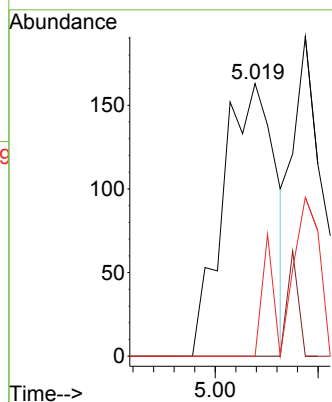
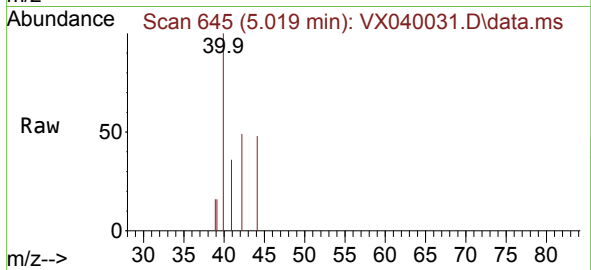
Tgt Ion: 42 Resp: 289

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 0.730 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX040031.D

Acq: 30 Jan 2024 19:52

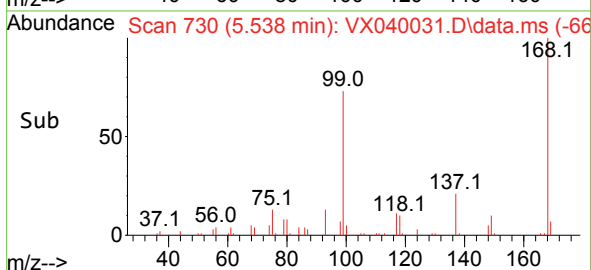
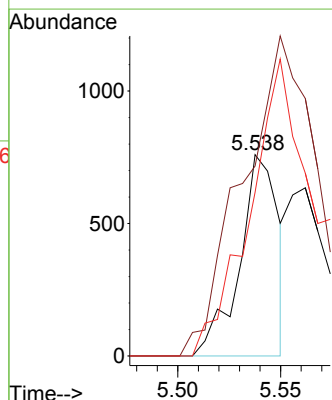
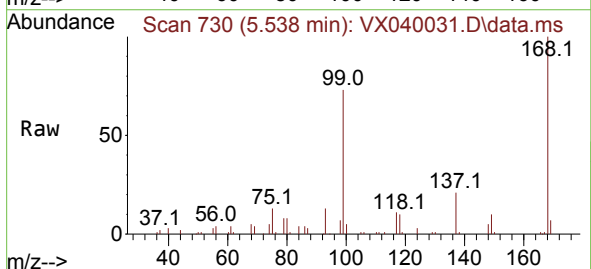
Tgt Ion: 56 Resp: 996

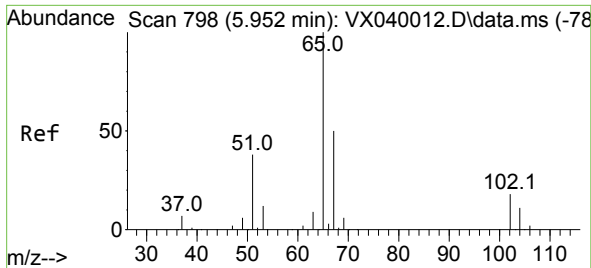
Ion Ratio Lower Upper

56 100

69 94.3 23.4 35.2#

84 81.3 65.9 98.9

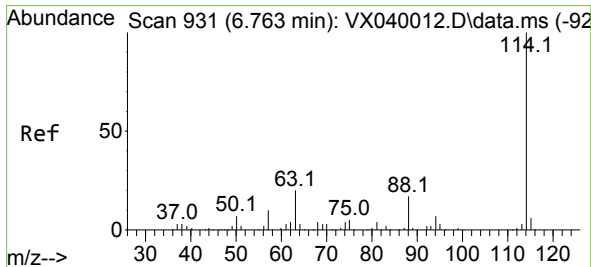
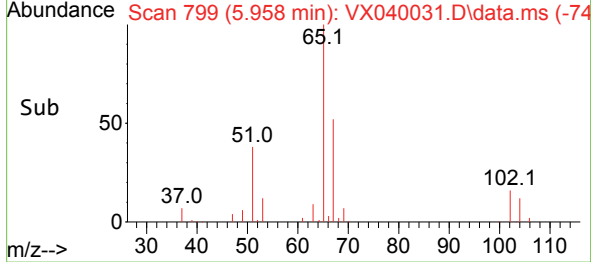
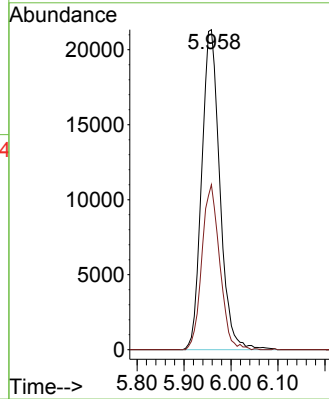
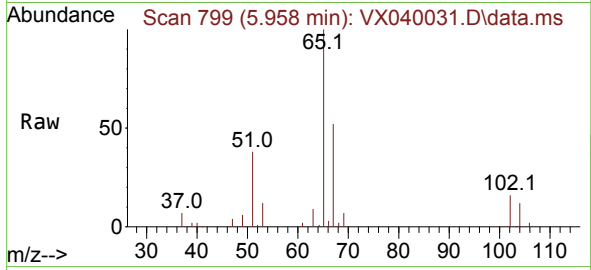




#33
1,2-Dichloroethane-d4
Concen: 52.465 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

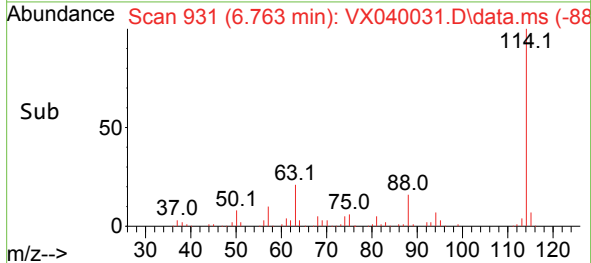
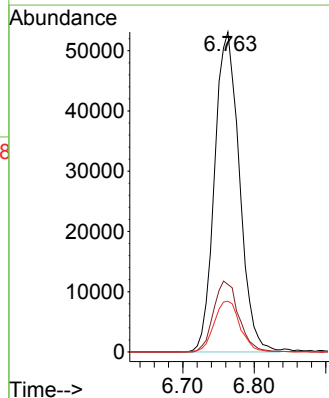
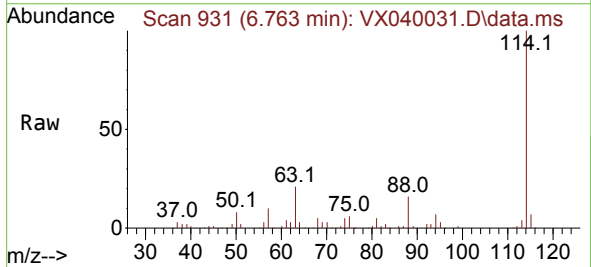
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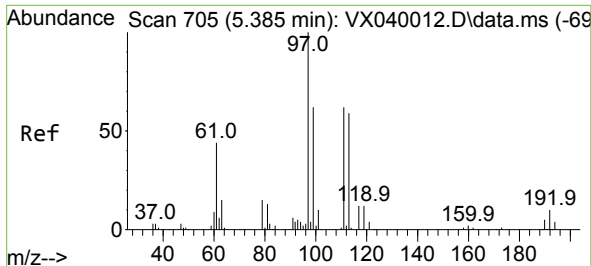
Tgt Ion: 65 Resp: 57173
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion: 114 Resp: 128099
Ion Ratio Lower Upper
114 100
63 21.1 0.0 45.0
88 15.8 0.0 36.6

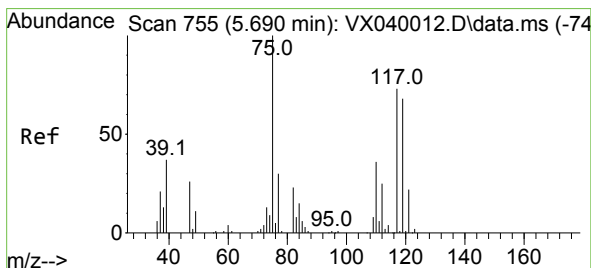
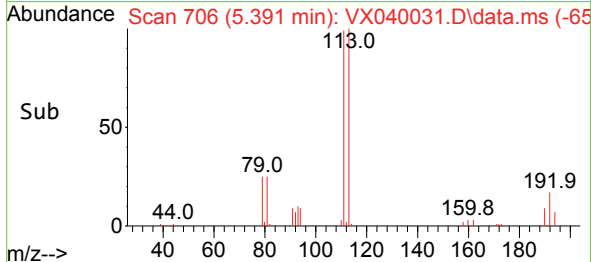
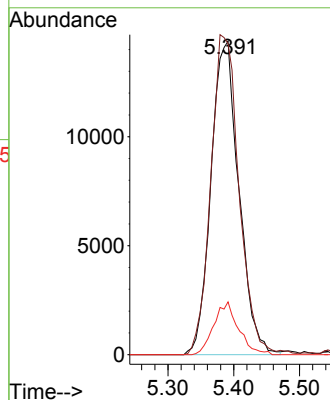
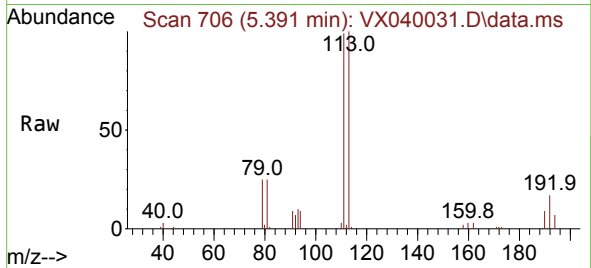




#35
Dibromofluoromethane
Concen: 48.616 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

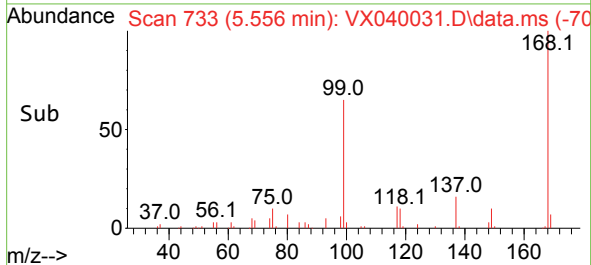
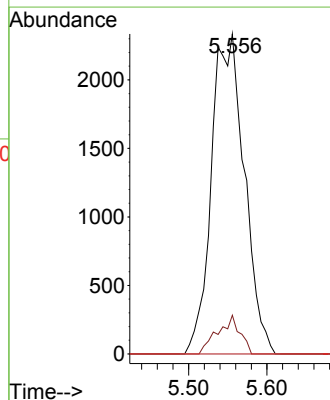
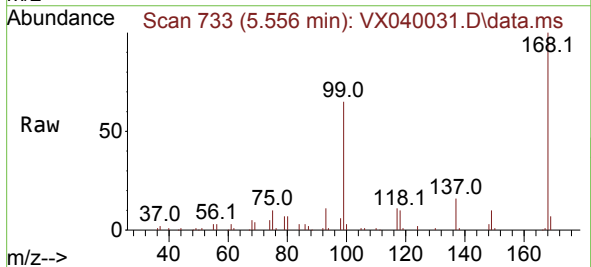
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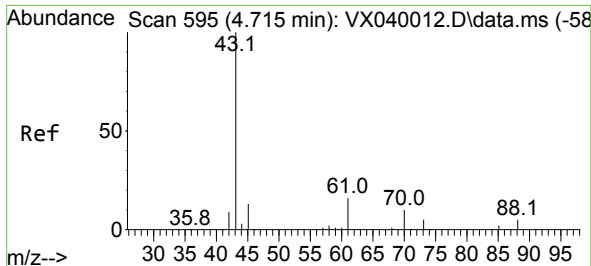
Tgt Ion:113 Resp: 42394
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 14.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.394 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion: 75 Resp: 6803
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.623 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX040031.D

Acq: 30 Jan 2024 19:52

Instrument :

MSVOA_X

ClientSampleId :

PB158700ZHE#06

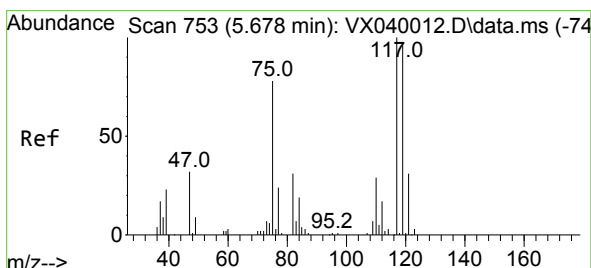
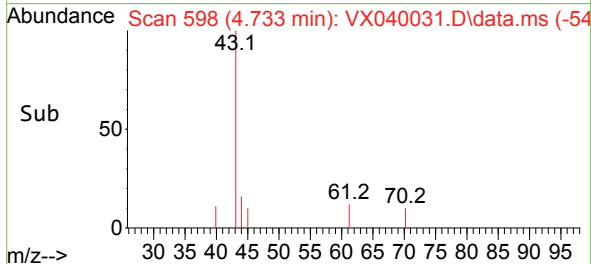
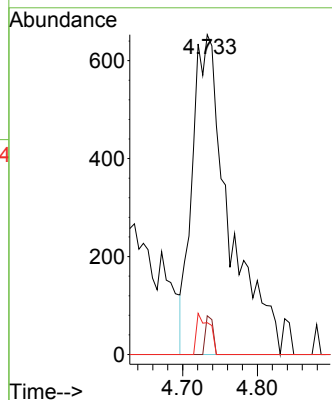
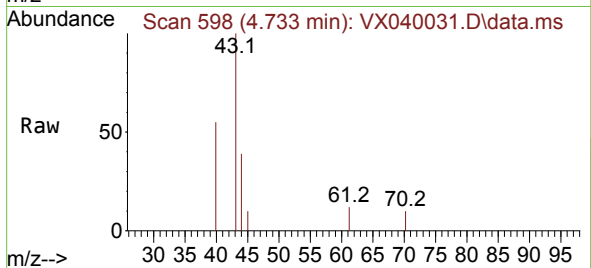
Tgt Ion: 43 Resp: 2235

Ion Ratio Lower Upper

43 100

61 2.5 10.6 16.0#

70 4.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.343 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040031.D

Acq: 30 Jan 2024 19:52

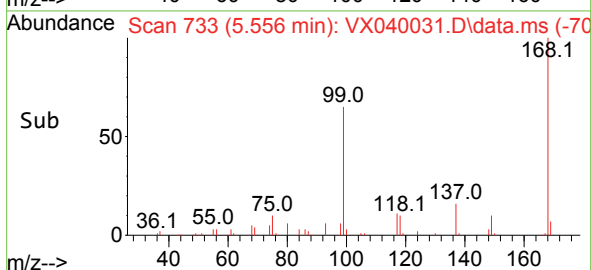
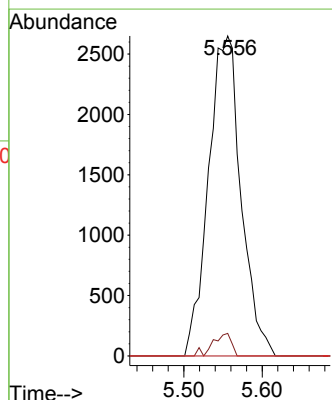
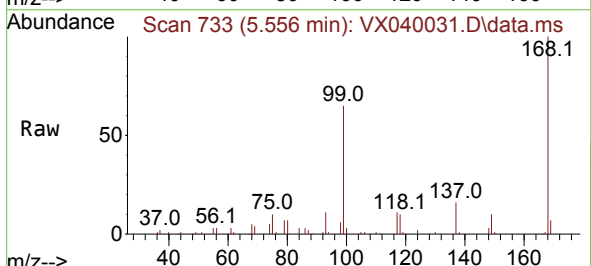
Tgt Ion: 117 Resp: 7654

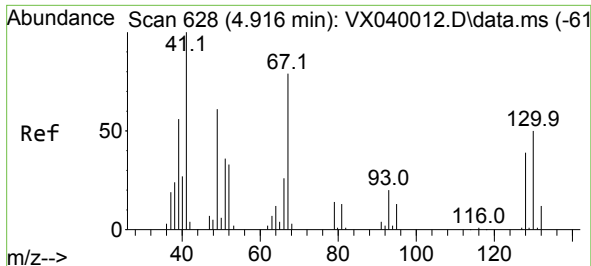
Ion Ratio Lower Upper

117 100

119 7.0 78.2 117.2#

121 0.0 24.4 36.6#

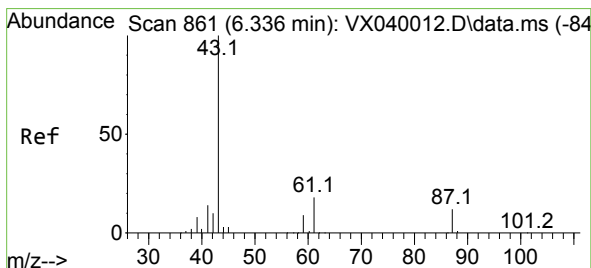
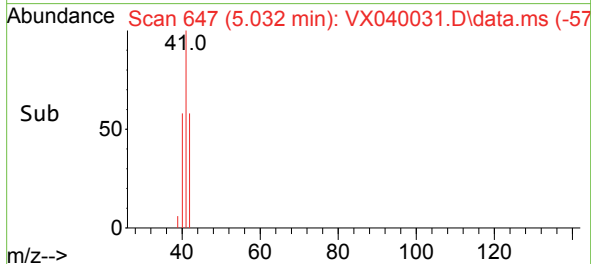
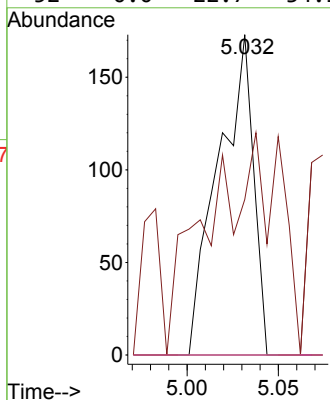
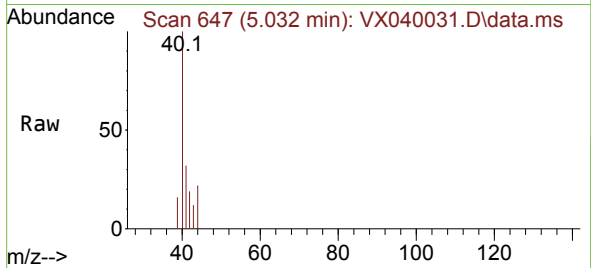




#41
Methacrylonitrile
Concen: 0.331 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

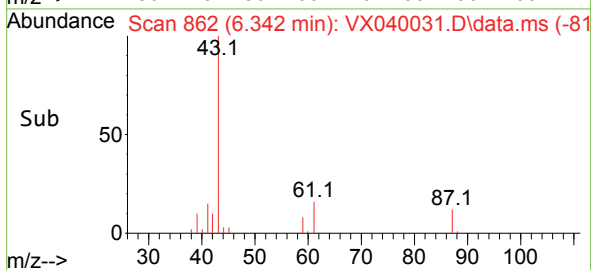
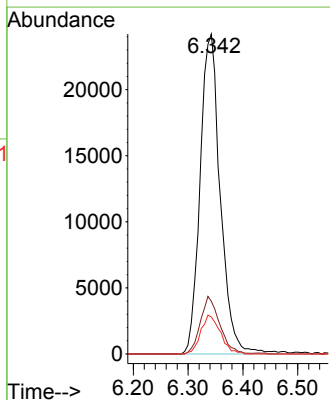
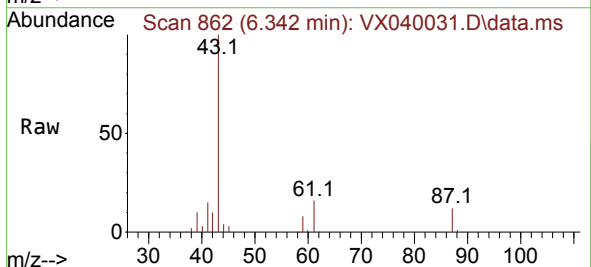
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#06

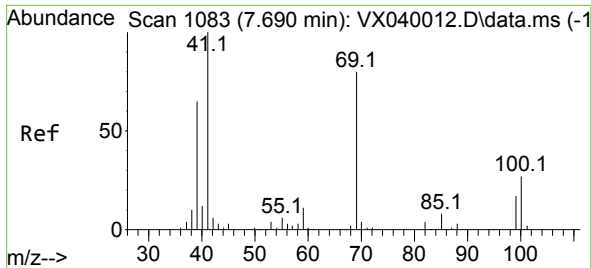
Tgt Ion: 41	Resp:	231
Ion	Ratio	Lower Upper
41	100	
39	58.4	45.2 67.8
67	0.0	52.6 78.8#
52	0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 28.493 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion: 43	Resp:	61887
Ion	Ratio	Lower Upper
43	100	
61	17.2	15.2 22.8
87	11.8	9.8 14.6

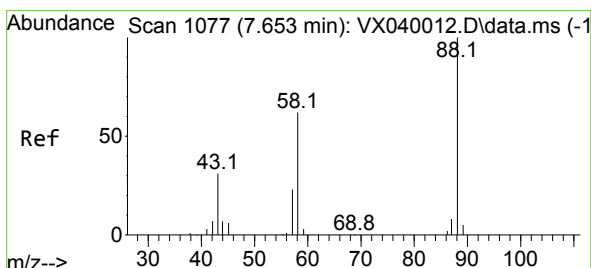
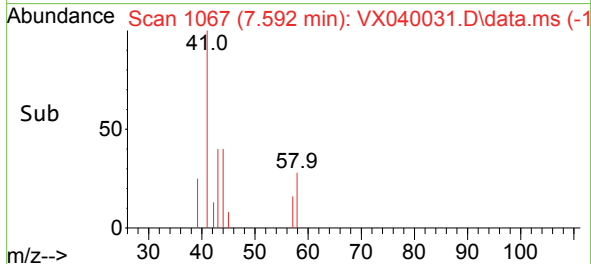
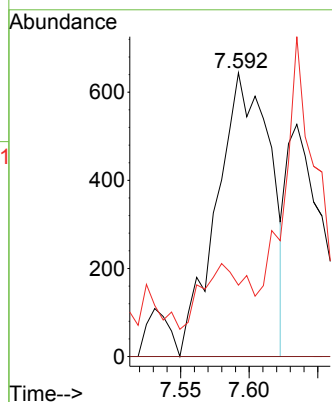
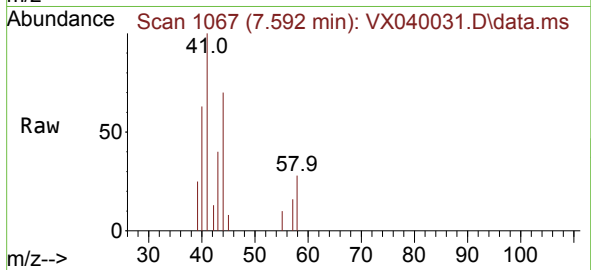




#48
Methyl methacrylate
Concen: 1.630 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.098 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

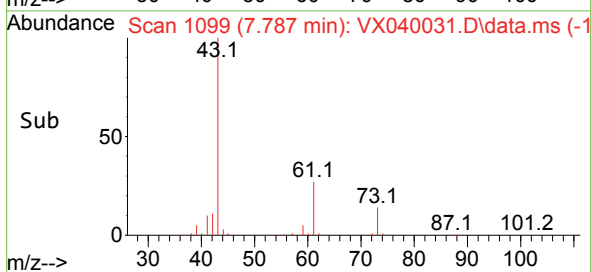
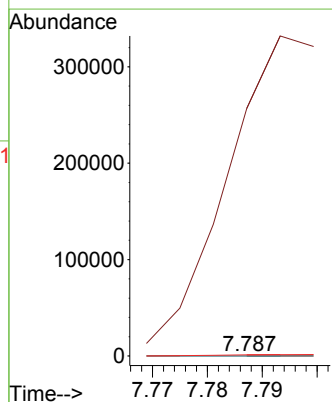
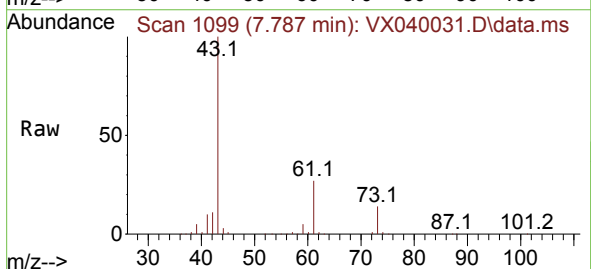
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#06

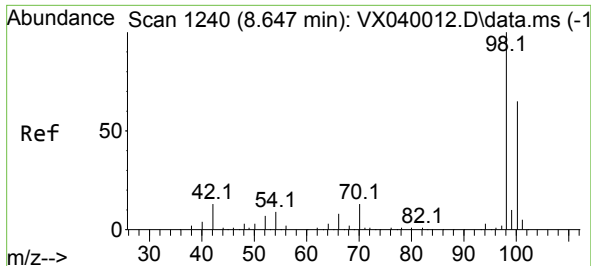
Tgt Ion: 41 Resp: 1744
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 0.817 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.134 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 3044321.1 0.0 0.0#
58 14005.3 60.1 90.1#

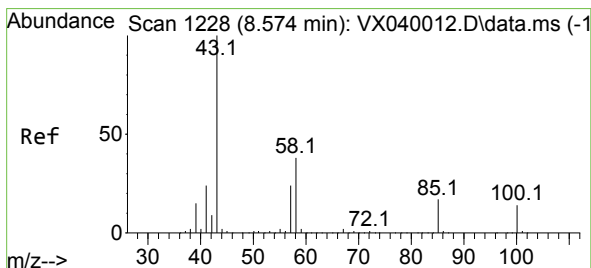
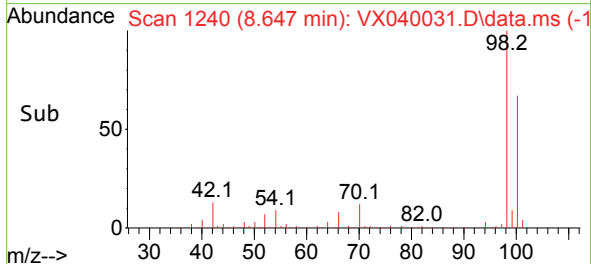
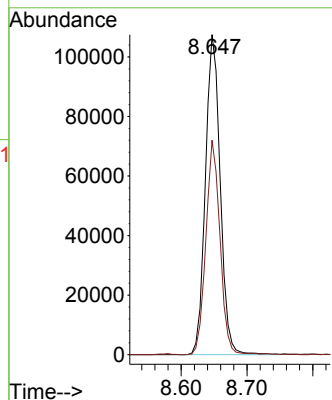
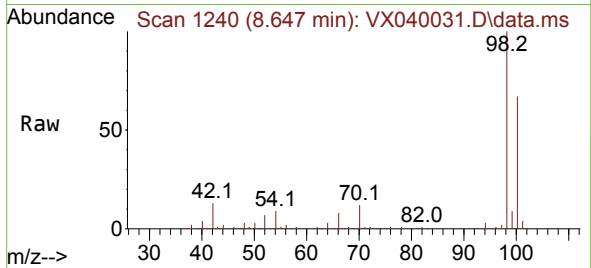




#50
Toluene-d8
Concen: 51.579 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

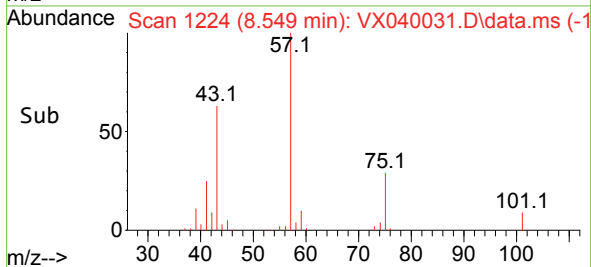
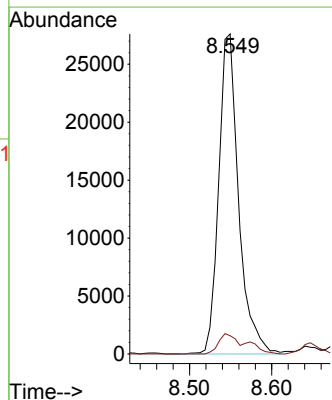
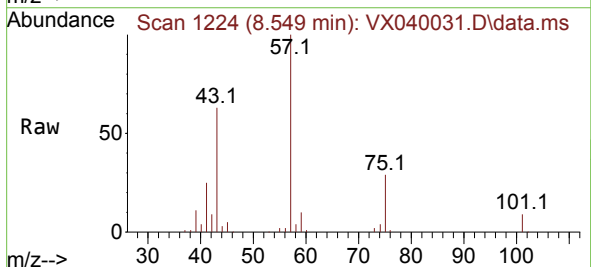
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#06

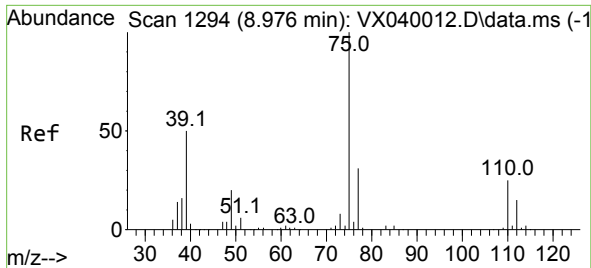
Tgt Ion: 98 Resp: 168204
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 31.376 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion: 43 Resp: 46520
Ion Ratio Lower Upper
43 100
58 8.6 30.4 45.6#

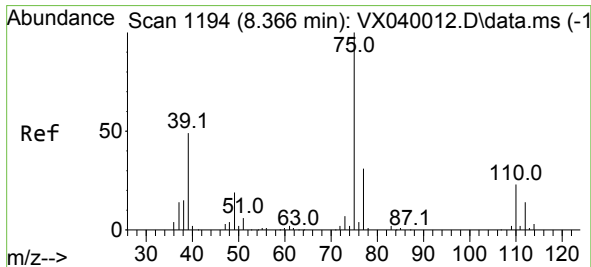
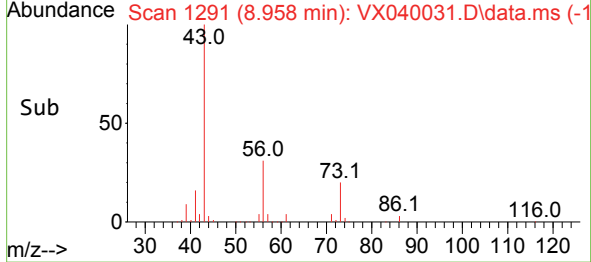
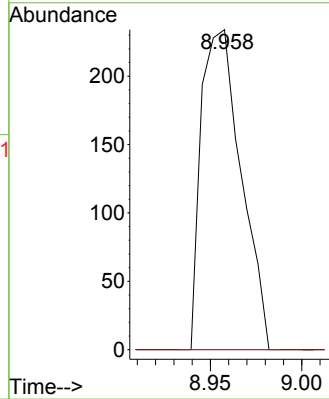
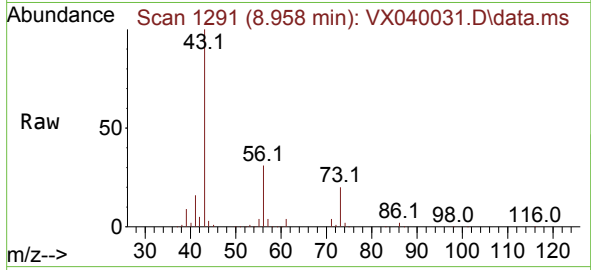




#53
 t-1,3-Dichloropropene
 Concen: 0.265 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX040031.D
 Acq: 30 Jan 2024 19:52

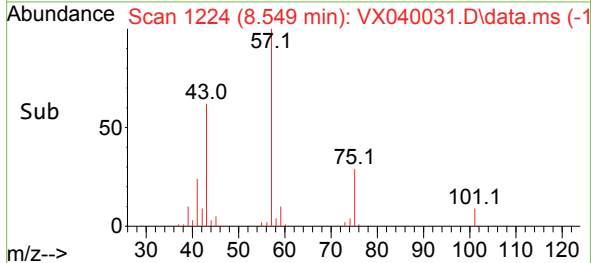
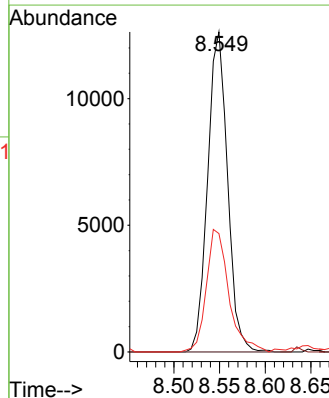
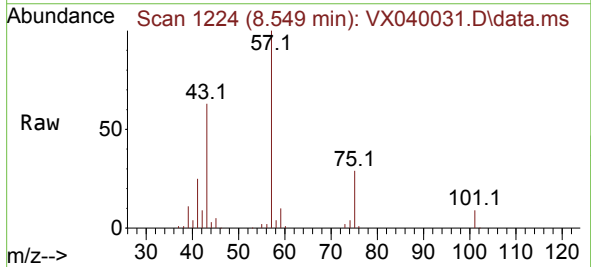
Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#06

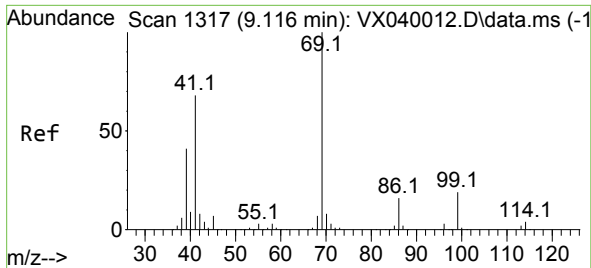
Tgt Ion: 75 Resp: 357
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.294 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040031.D
 Acq: 30 Jan 2024 19:52

Tgt Ion: 75 Resp: 19075
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 37.0 46.7 70.1#

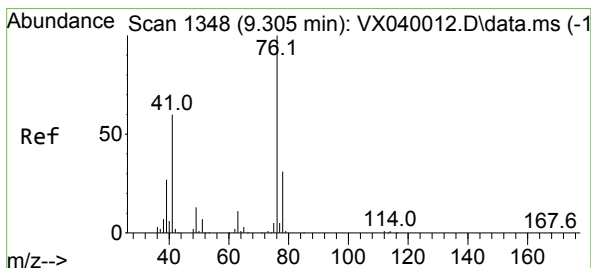
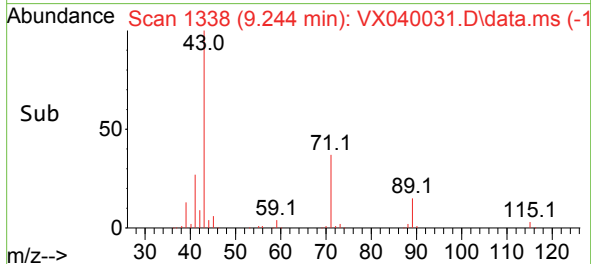
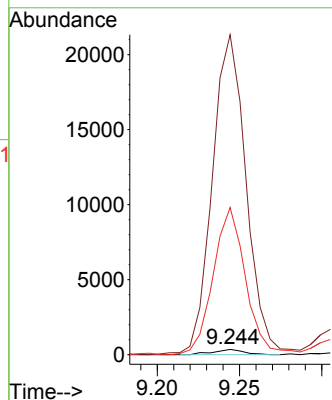
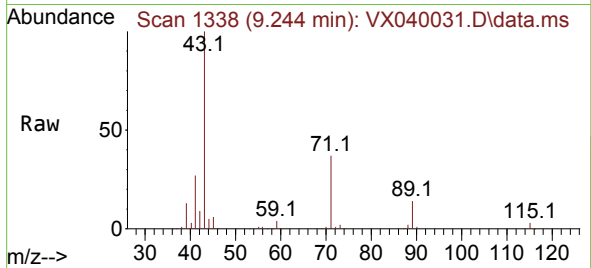




#56
Ethyl methacrylate
Concen: 0.329 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

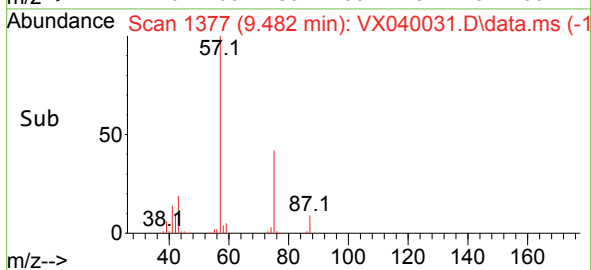
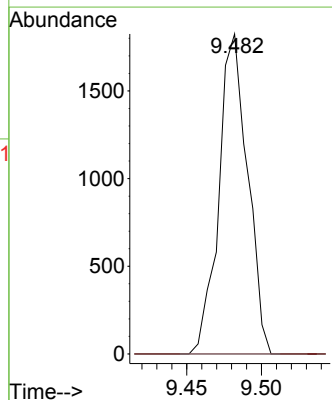
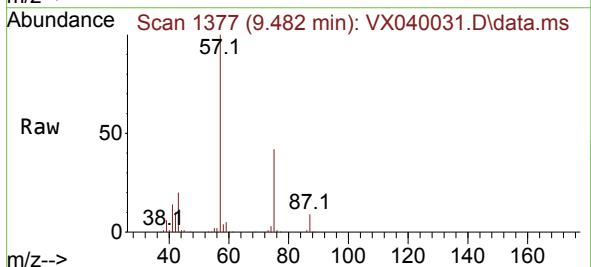
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#06

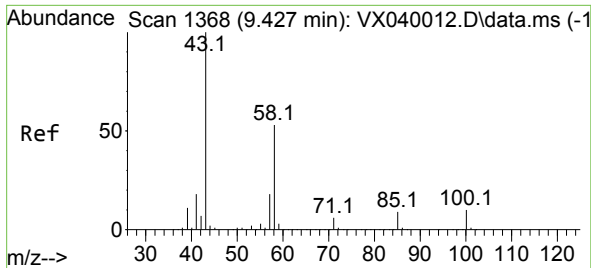
Tgt Ion: 69 Resp: 455
Ion Ratio Lower Upper
69 100
41 6735.4 56.8 85.2#
39 2953.8 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.562 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion: 76 Resp: 2438
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

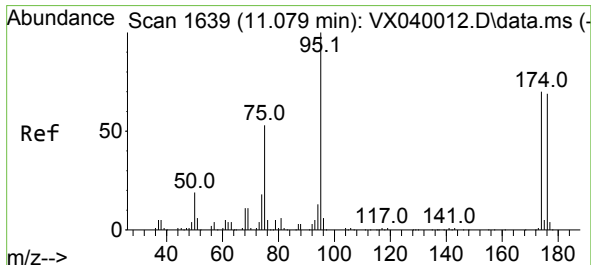
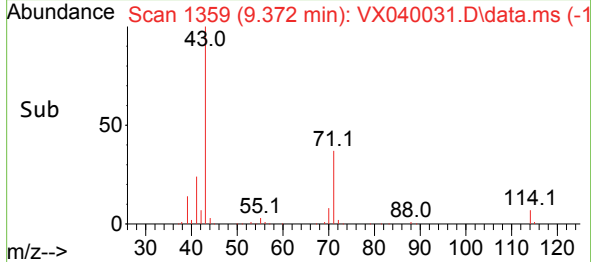
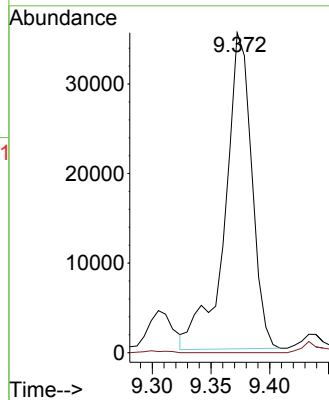
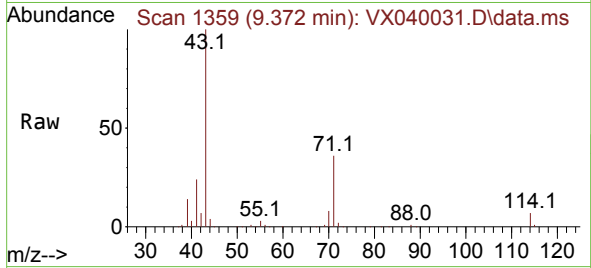




#59
2-Hexanone
Concen: 47.247 ug/l
RT: 9.372 min Scan# 11359
Delta R.T. -0.055 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

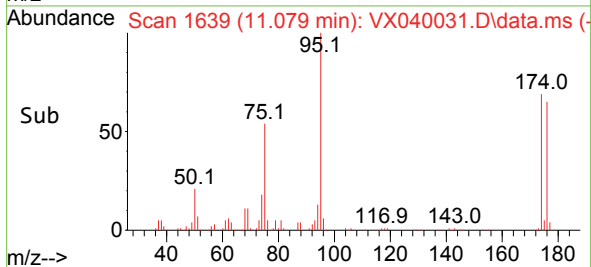
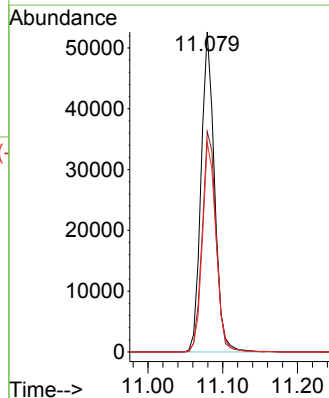
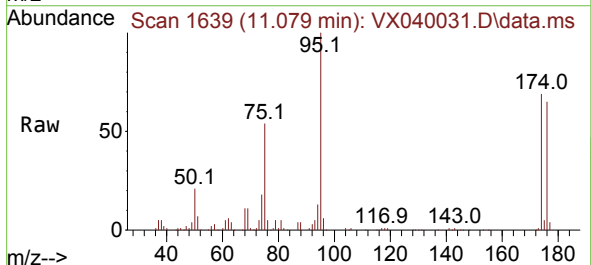
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#06

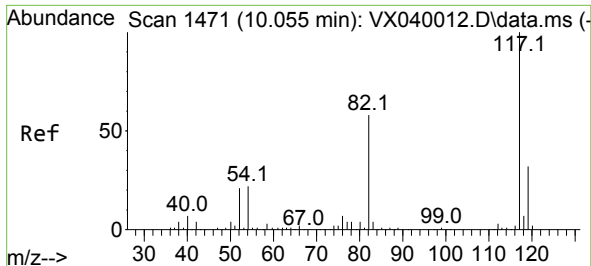
Tgt Ion: 43 Resp: 55853
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.264 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion: 95 Resp: 65628
Ion Ratio Lower Upper
95 100
174 71.2 0.0 135.6
176 67.1 0.0 131.0

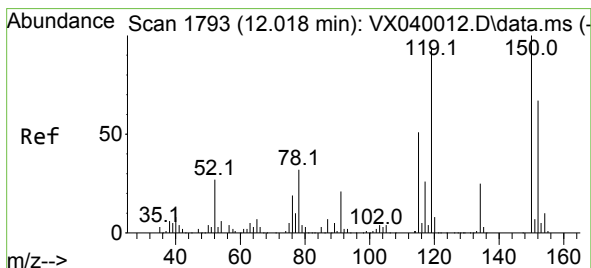
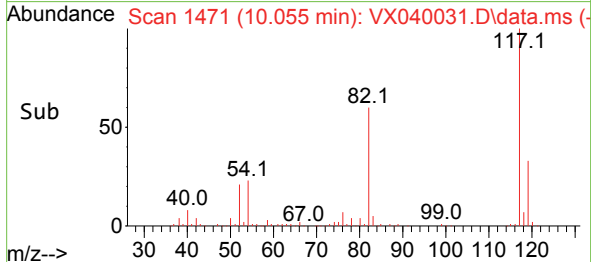
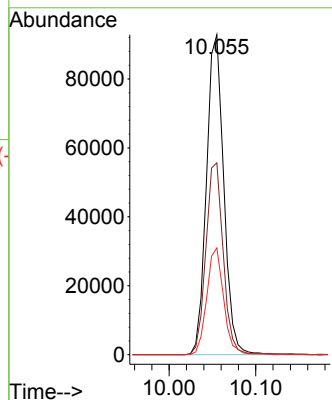
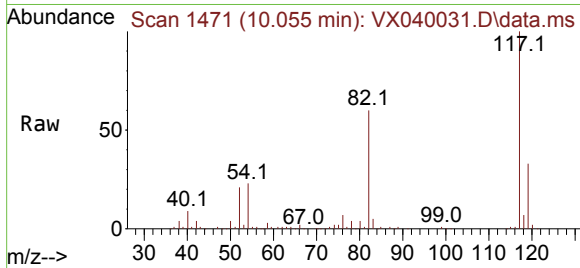




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

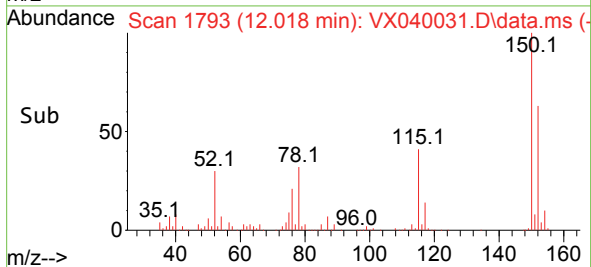
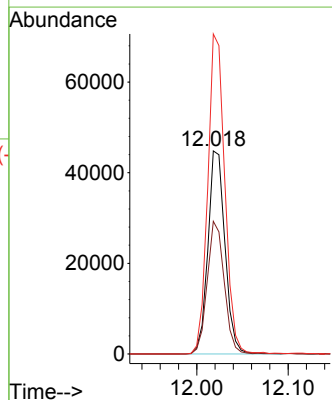
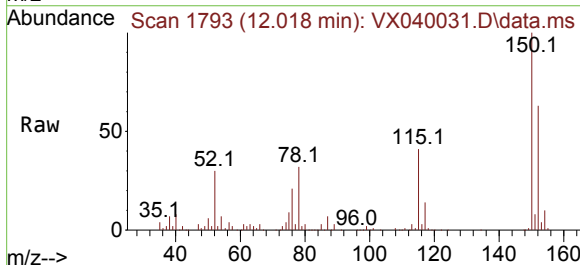
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#06

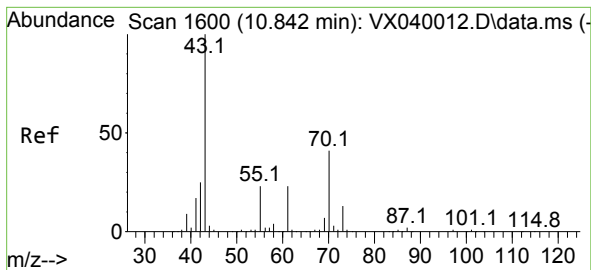
Tgt Ion:117 Resp: 128891
Ion Ratio Lower Upper
117 100
82 60.0 46.2 69.4
119 33.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX040031.D
Acq: 30 Jan 2024 19:52

Tgt Ion:152 Resp: 58218
Ion Ratio Lower Upper
152 100
115 64.8 43.3 129.9
150 157.1 0.0 345.0





#74

N-amy1 acetate

Concen: 0.695 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.068 min

Lab File: VX040031.D

Acq: 30 Jan 2024 19:52

Instrument :

MSVOA_X

ClientSampleId :

PB158700ZHE#06

Tgt Ion: 43 Resp: 941

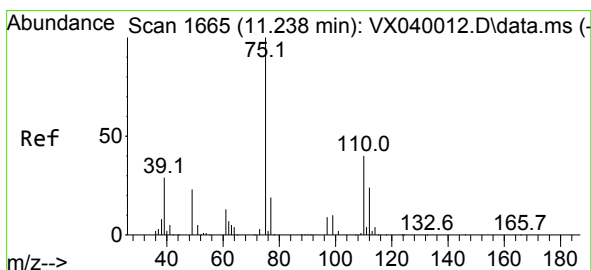
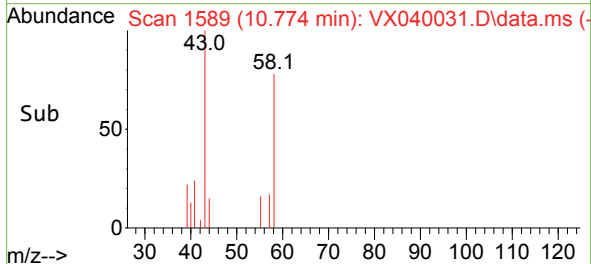
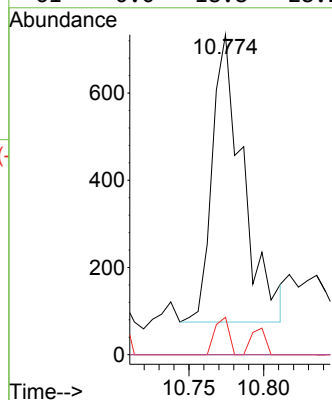
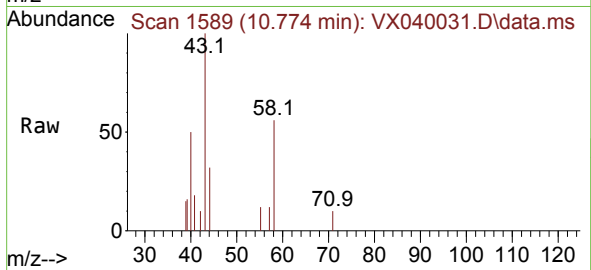
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 6.1 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 29.051 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040031.D

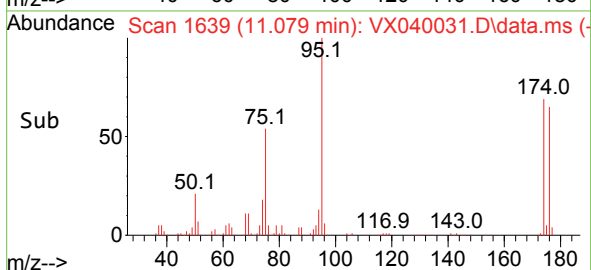
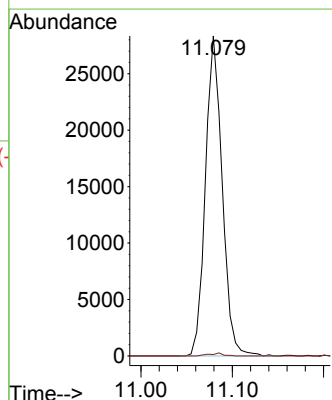
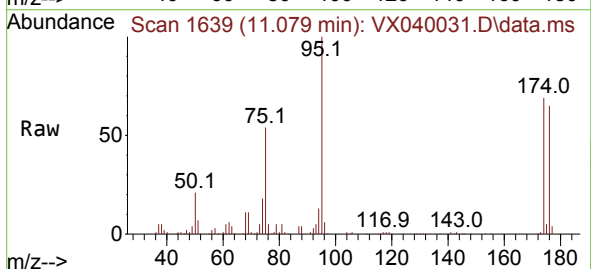
Acq: 30 Jan 2024 19:52

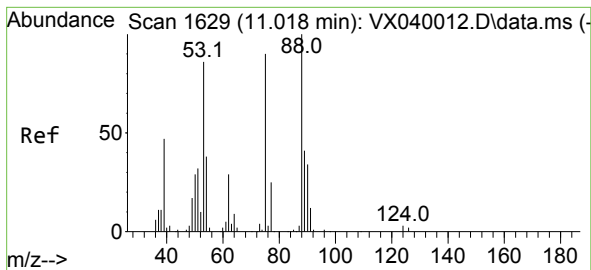
Tgt Ion: 75 Resp: 36016

Ion Ratio Lower Upper

75 100

77 0.8 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.758 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX040031.D
 Acq: 30 Jan 2024 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#06

Tgt Ion: 75 Resp: 36016
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

