

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013024\
 Data File : VX040026.D
 Acq On : 30 Jan 2024 17:58
 Operator : JC/MD
 Sample : PB158700ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#01

Quant Time: Jan 31 05:38:30 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)

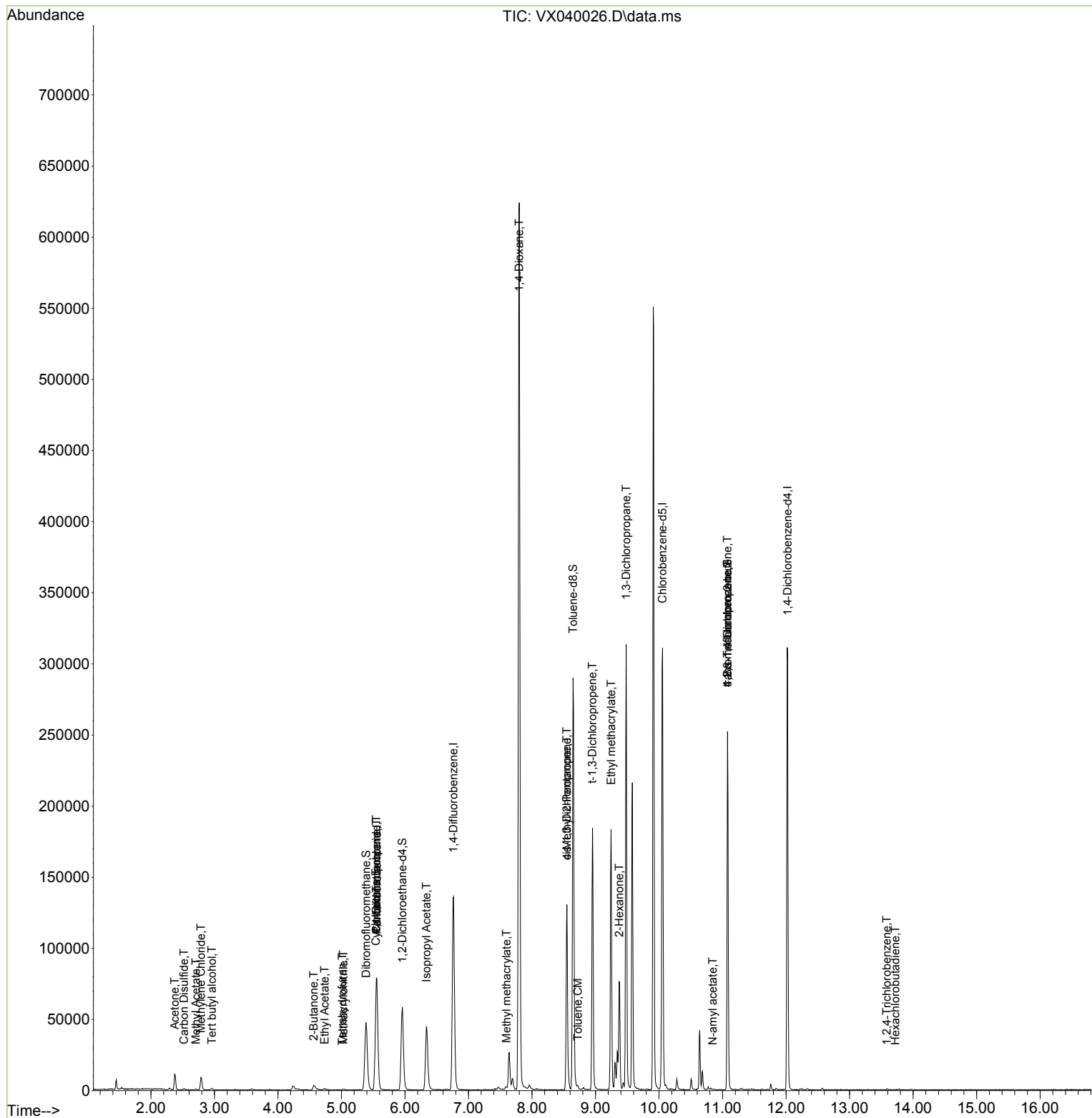
Internal Standards						
1) Pentafluorobenzene	5.556	168	65931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	131281	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55403	52.214	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.420%			
35) Dibromofluoromethane	5.385	113	39588	44.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.600%			
50) Toluene-d8	8.647	98	167647	50.162	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	65405	50.824	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.640%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	891	4.628	ug/l #	89
16) Acetone	2.373	43	11907	23.950	ug/l #	88
17) Carbon Disulfide	2.520	76	579	0.267	ug/l #	76
18) Methyl Acetate	2.709	43	675	0.573	ug/l #	70
20) Methylene Chloride	2.788	84	4130	4.674	ug/l	88
25) 2-Butanone	4.562	43	6970	10.085	ug/l	94
29) Tetrahydrofuran	5.013	42	237	0.539	ug/l #	46
31) Cyclohexane	5.544	56	2056	1.547	ug/l #	29
36) 1,1-Dichloropropene	5.550	75	6416	4.964	ug/l #	50
37) Ethyl Acetate	4.733	43	2130	1.509	ug/l #	80
38) Carbon Tetrachloride	5.550	117	7970	6.445	ug/l #	14
41) Methacrylonitrile	5.031	41	206	0.288	ug/l #	54
43) Isopropyl Acetate	6.336	43	60871	27.346	ug/l	99
48) Methyl methacrylate	7.598	41	1813	1.653	ug/l #	16
49) 1,4-Dioxane	7.799	88	25	1.049	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	46538	30.627	ug/l #	50
52) Toluene	8.720	92	553	0.236	ug/l	83
53) t-1,3-Dichloropropene	8.951	75	323	0.234	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	18959	12.893	ug/l #	63
56) Ethyl methacrylate	9.244	69	485	0.342	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2780	1.738	ug/l #	42
59) 2-Hexanone	9.372	43	55954	46.185	ug/l #	26
74) N-amyl acetate	10.847	43	356	0.379	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	35764	27.740	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	35764	80.618	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	295	0.242	ug/l	95
94) Hexachlorobutadiene	13.719	225	99	0.206	ug/l #	18

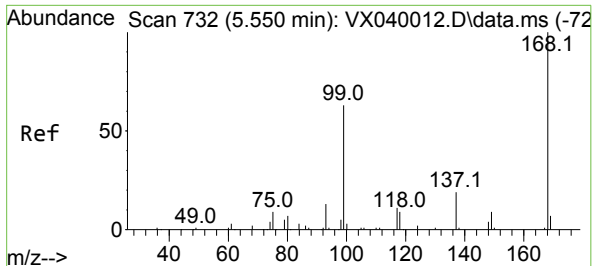
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

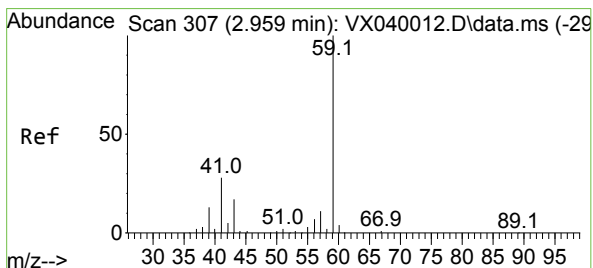
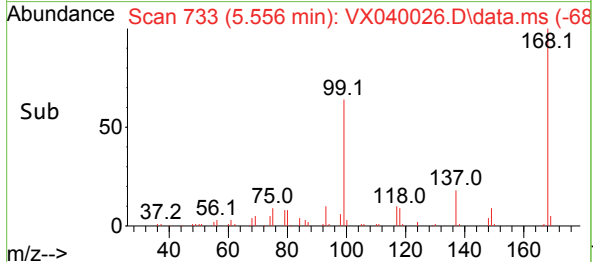
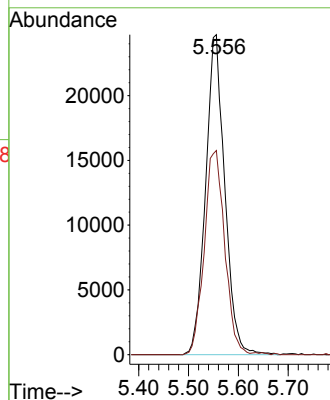
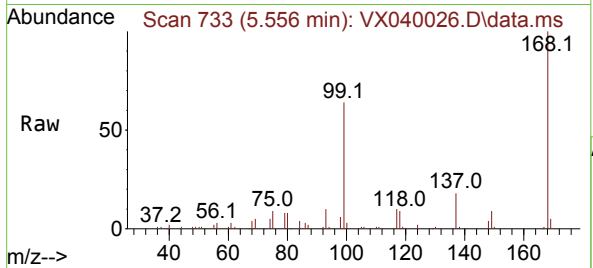




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

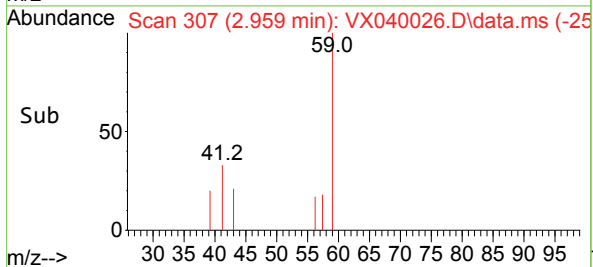
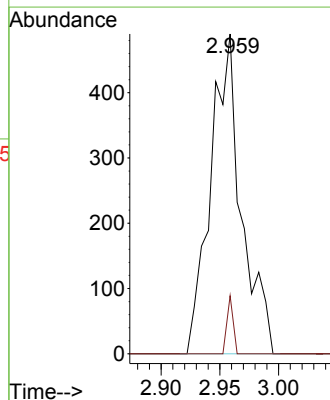
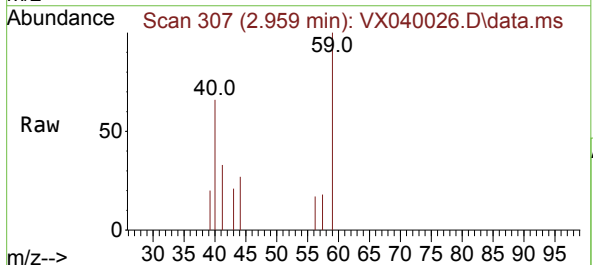
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

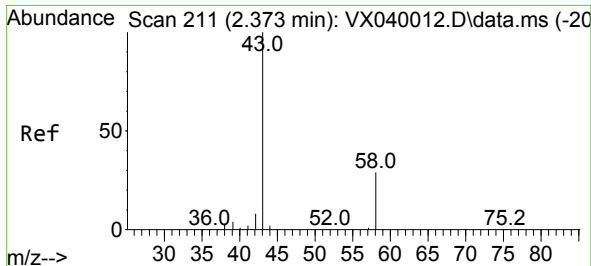
Tgt Ion:168 Resp: 65931
Ion Ratio Lower Upper
168 100
99 63.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 4.628 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 59 Resp: 891
Ion Ratio Lower Upper
59 100
57 3.7 6.0 9.0#

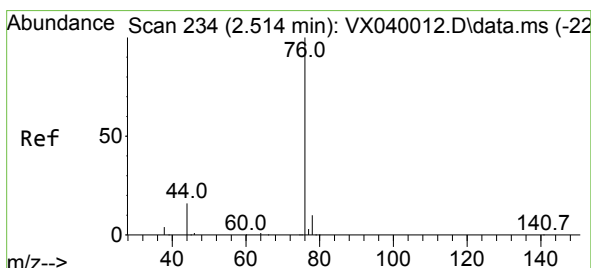
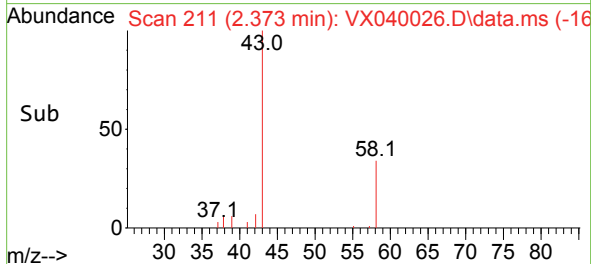
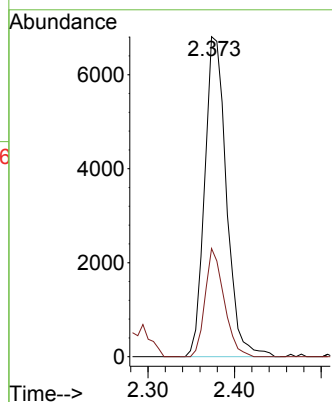
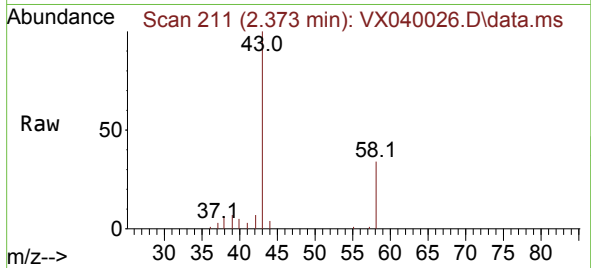




#16
Acetone
Concen: 23.950 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

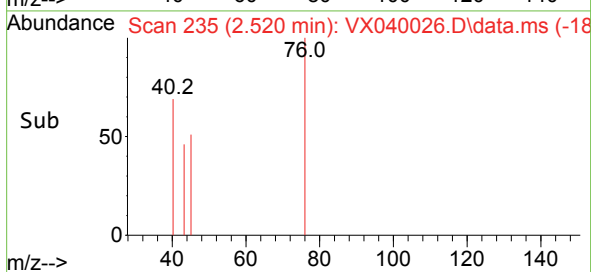
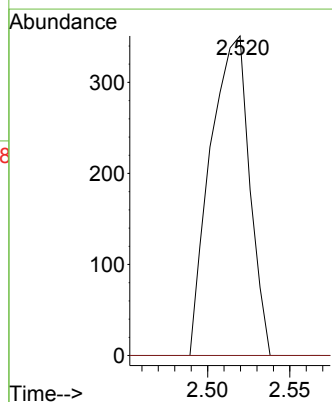
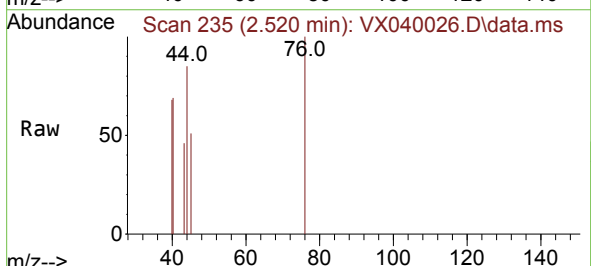
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

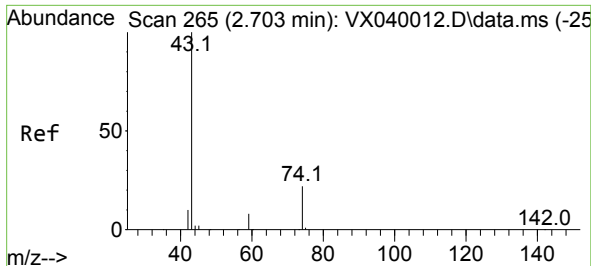
Tgt Ion: 43 Resp: 11907
Ion Ratio Lower Upper
43 100
58 33.8 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.267 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 76 Resp: 579
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

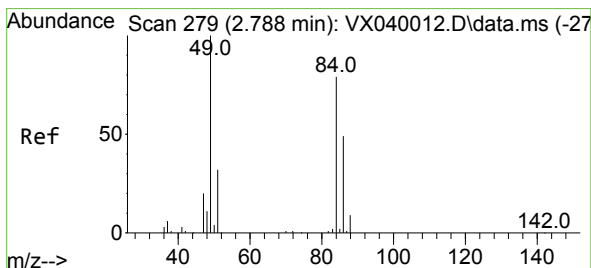
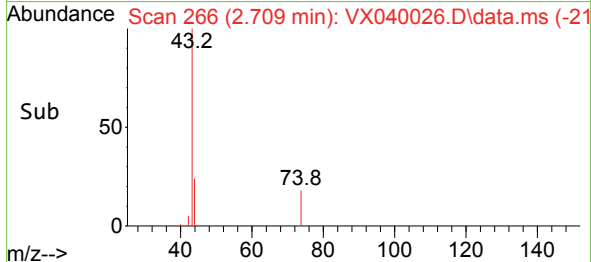
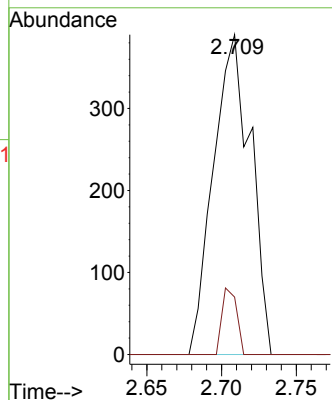
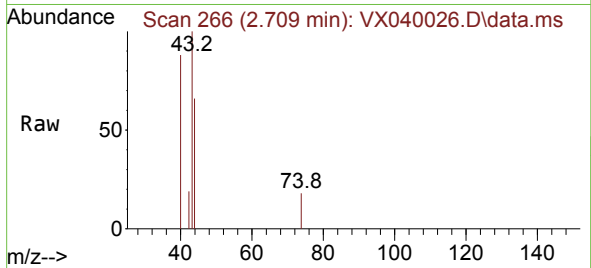




#18
Methyl Acetate
Concen: 0.573 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

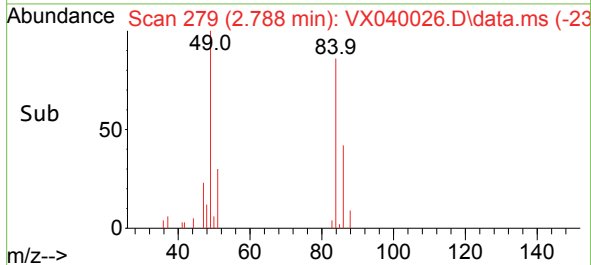
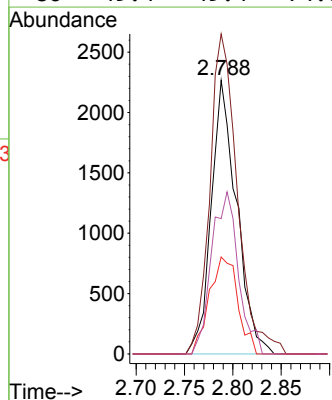
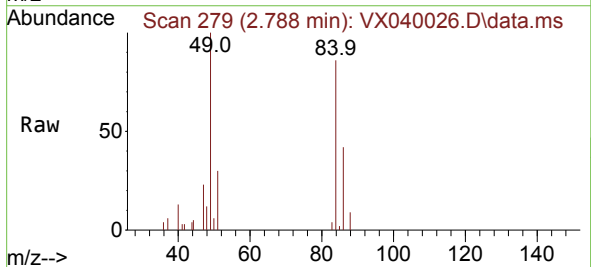
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

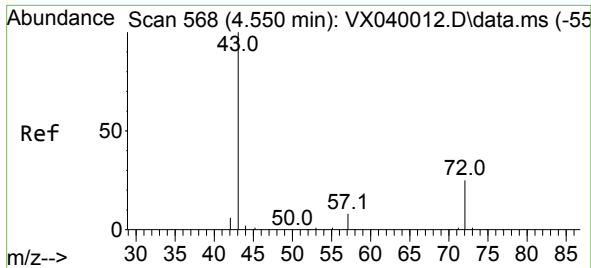
Tgt Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
74 8.1 17.8 26.8#



#20
Methylene Chloride
Concen: 4.674 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 84 Resp: 4130
Ion Ratio Lower Upper
84 100
49 116.9 103.6 155.4
51 35.4 33.8 50.6
86 49.4 49.4 74.0

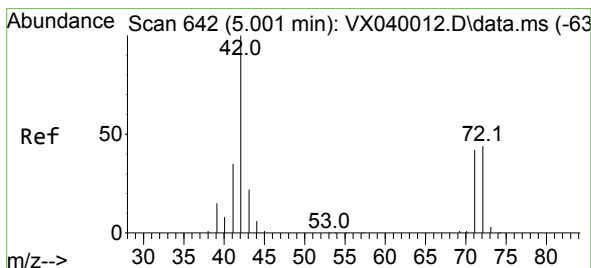
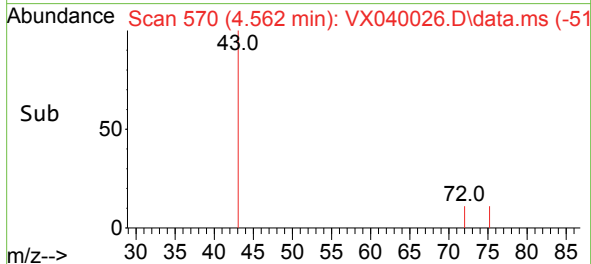
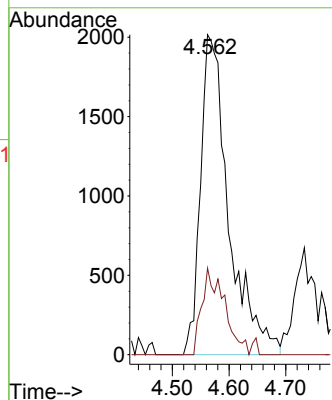
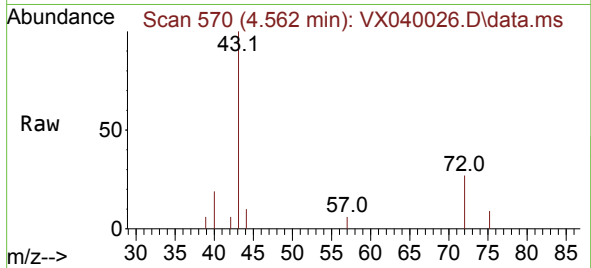




#25
2-Butanone
Concen: 10.085 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

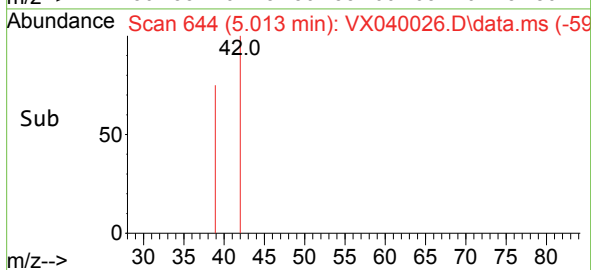
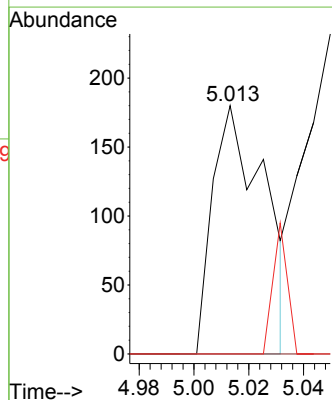
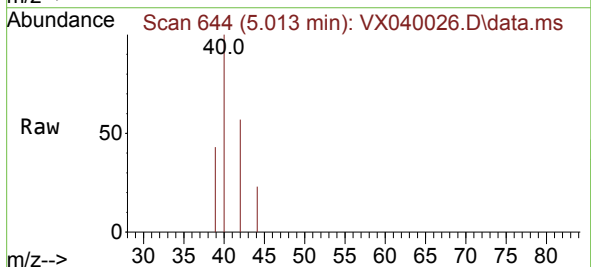
Instrument :
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ClientSampleId :
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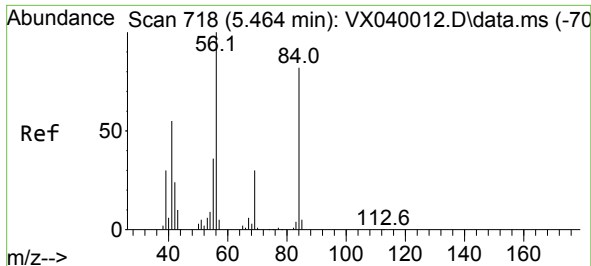
Tgt Ion: 43 Resp: 6970
Ion Ratio Lower Upper
43 100
72 27.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.539 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.012 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 42 Resp: 237
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 14.8 32.2 48.2#

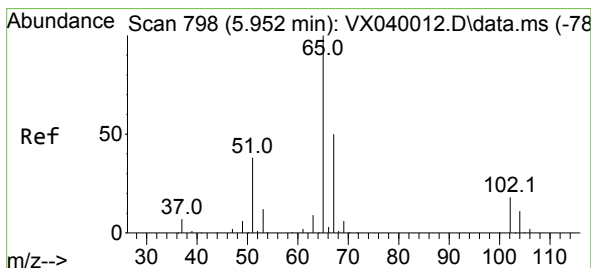
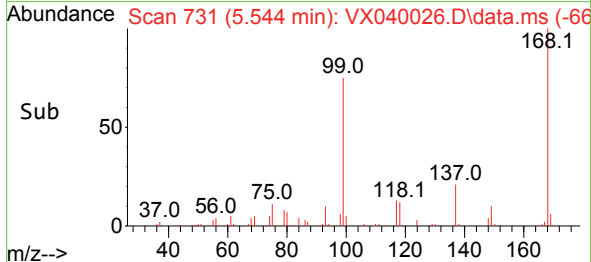
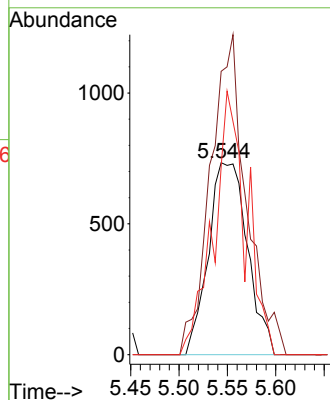
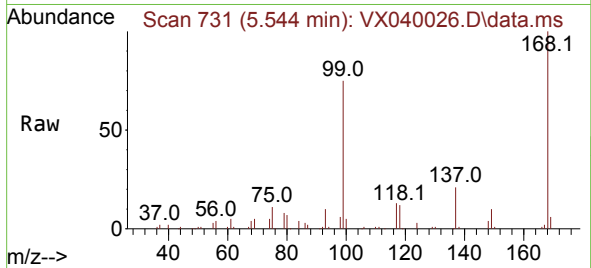




#31
Cyclohexane
Concen: 1.547 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

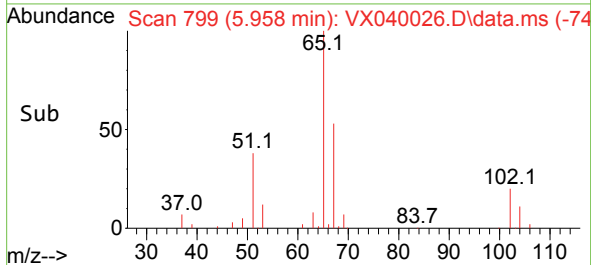
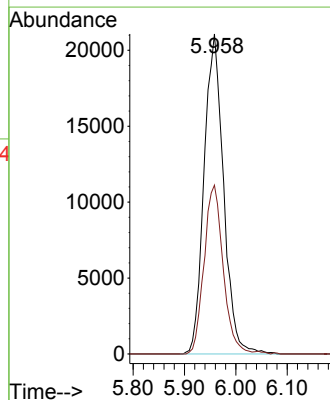
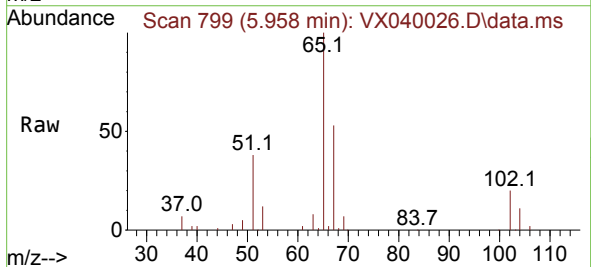
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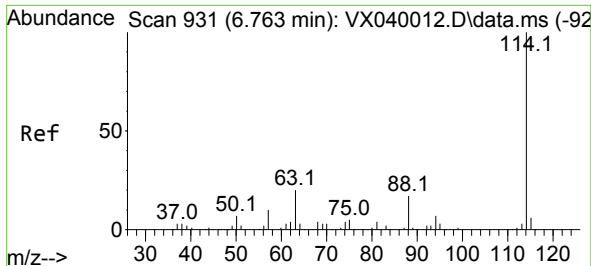
Tgt Ion: 56 Resp: 2056
Ion Ratio Lower Upper
56 100
69 147.5 23.4 35.2#
84 98.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 52.214 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 65 Resp: 55403
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2

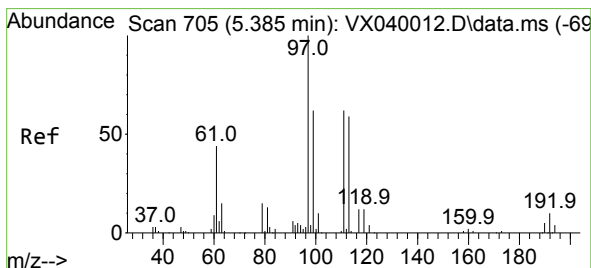
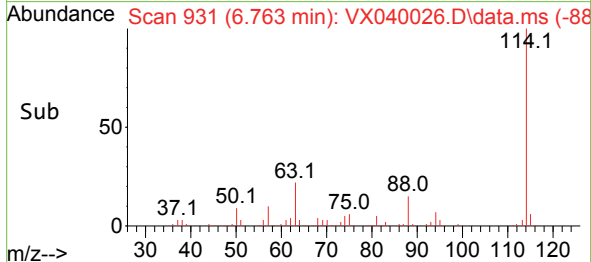
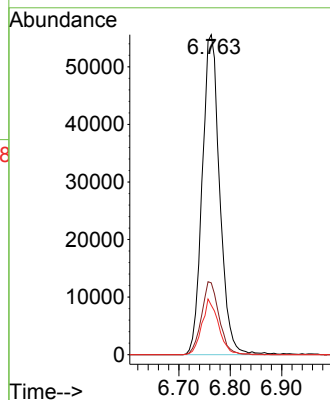
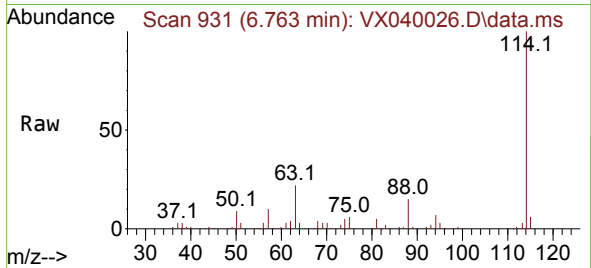




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

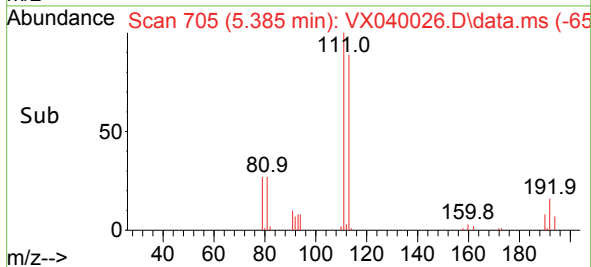
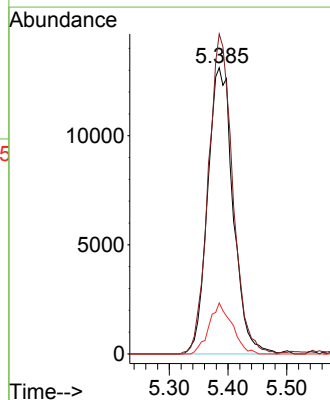
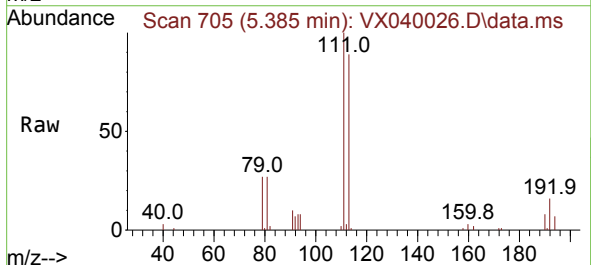
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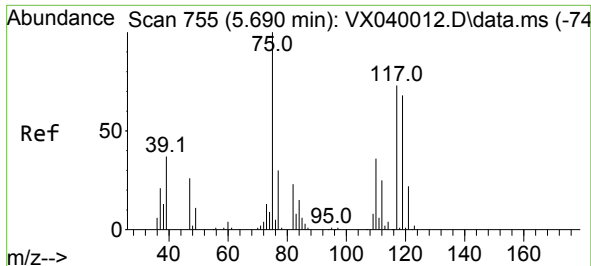
Tgt Ion:114 Resp: 131281
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.298 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion:113 Resp: 39588
Ion Ratio Lower Upper
113 100
111 106.6 82.9 124.3
192 16.1 13.3 19.9

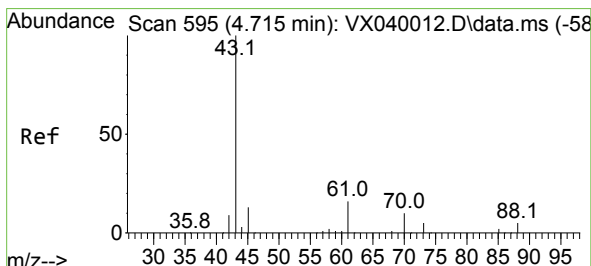
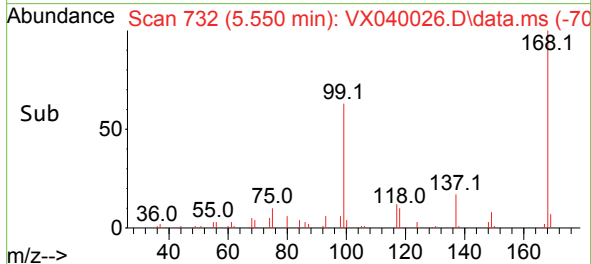
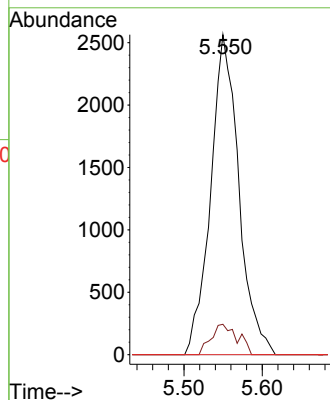
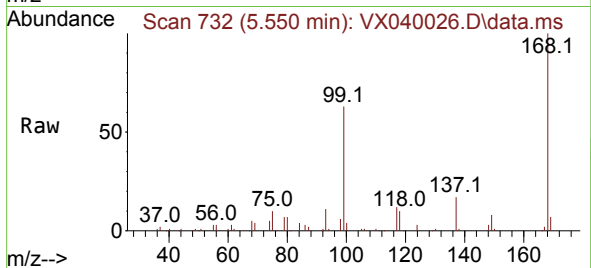




#36
1,1-Dichloropropene
Concen: 4.964 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

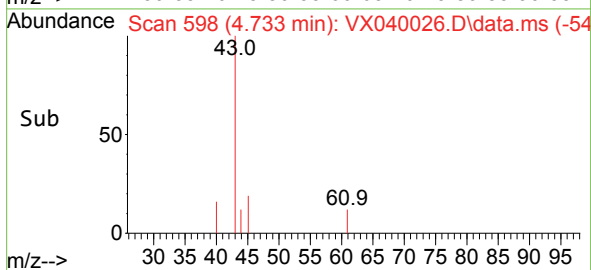
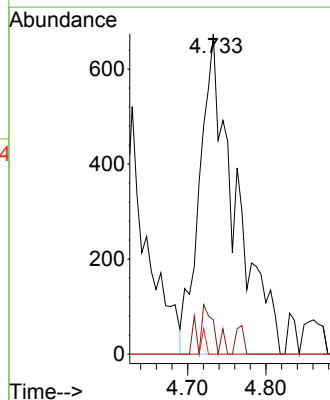
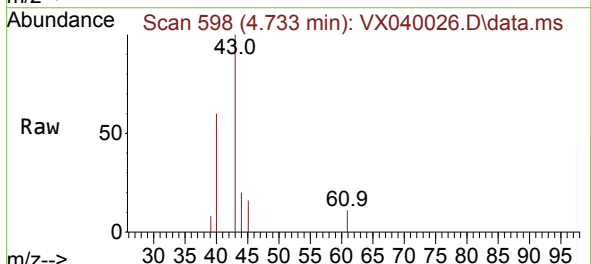
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

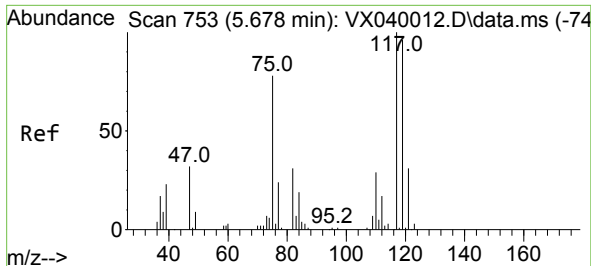
Tgt Ion: 75 Resp: 6416
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.509 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

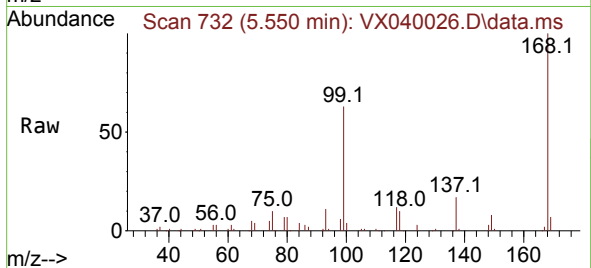
Tgt Ion: 43 Resp: 2130
Ion Ratio Lower Upper
43 100
61 6.7 10.6 16.0#
70 0.9 8.3 12.5#



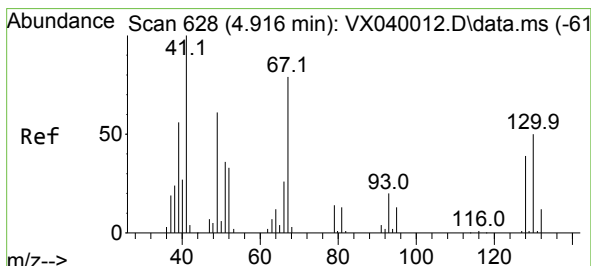
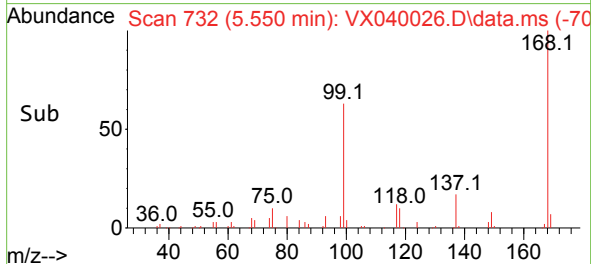
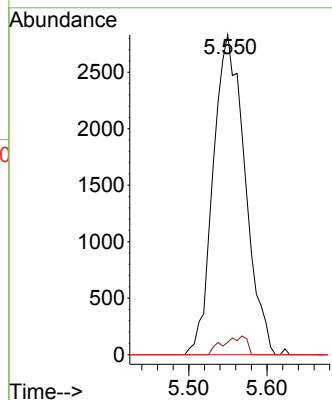


#38
Carbon Tetrachloride
Concen: 6.445 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

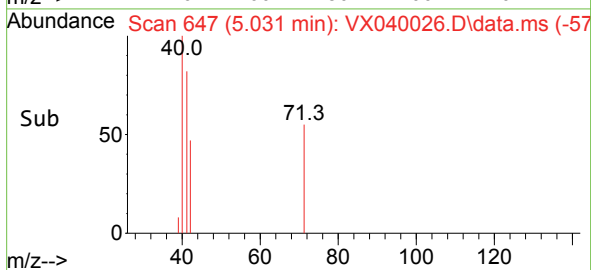
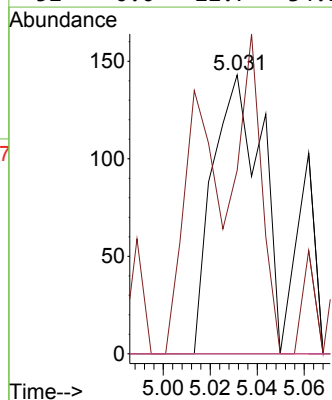
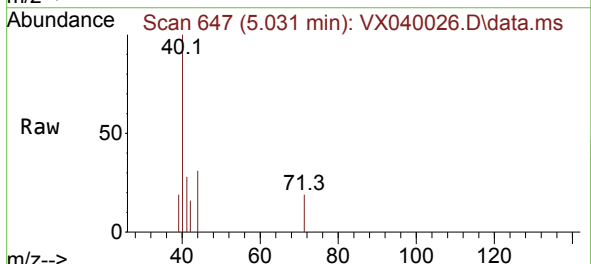


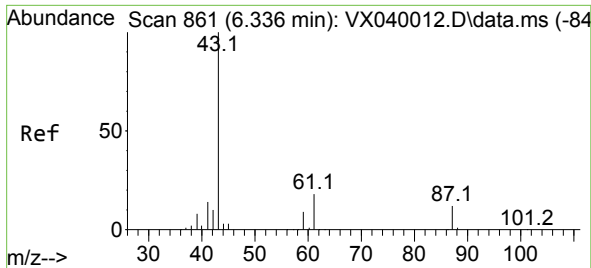
Tgt Ion:117 Resp: 7970
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.288 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 41 Resp: 206
Ion Ratio Lower Upper
41 100
39 56.3 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

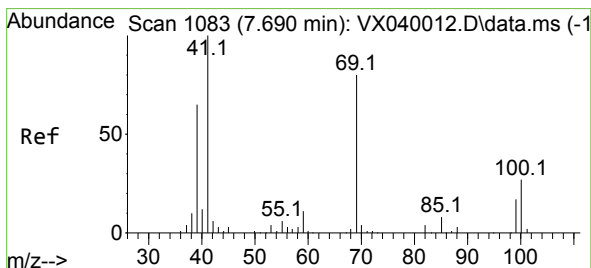
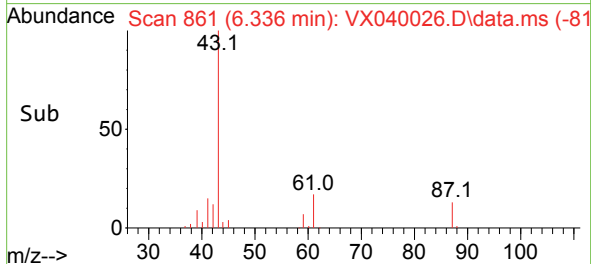
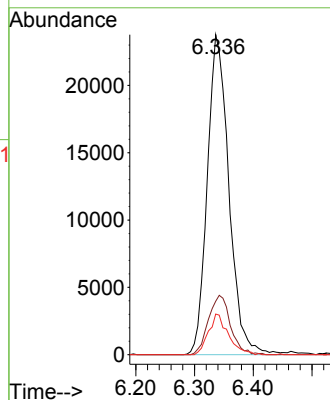
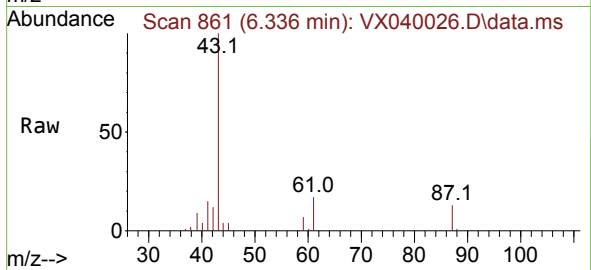




#43
Isopropyl Acetate
Concen: 27.346 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

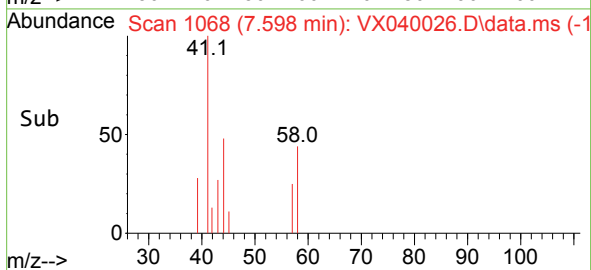
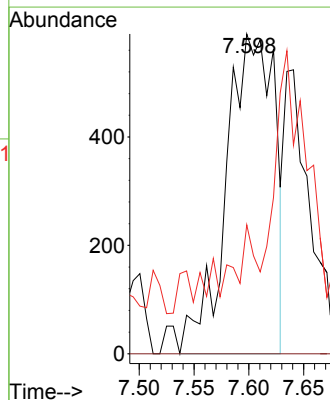
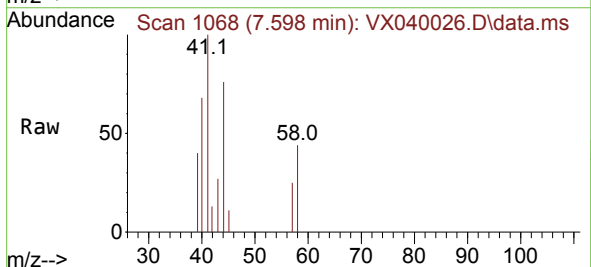
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

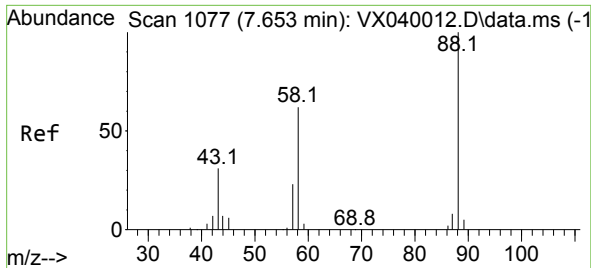
Tgt Ion: 43 Resp: 60871
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 11.6 9.8 14.6



#48
Methyl methacrylate
Concen: 1.653 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.092 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 41 Resp: 1813
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#

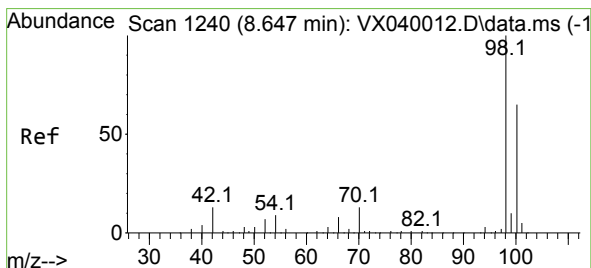
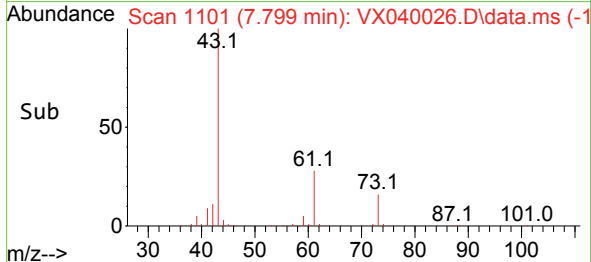
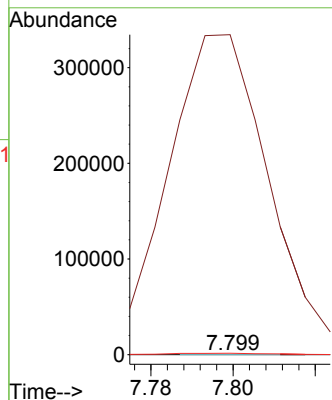
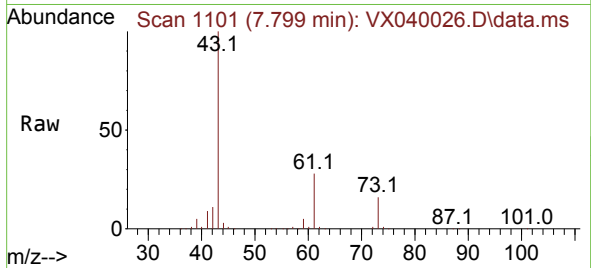




#49
1,4-Dioxane
Concen: 1.049 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.146 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

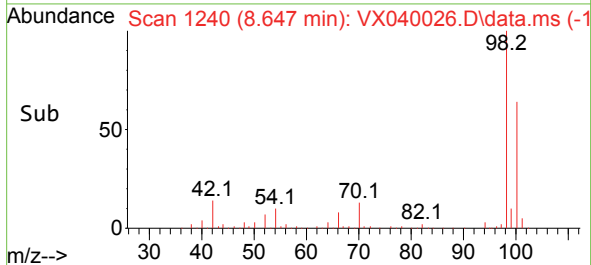
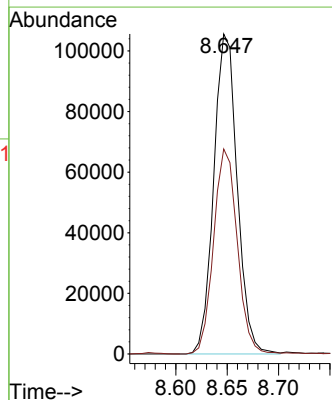
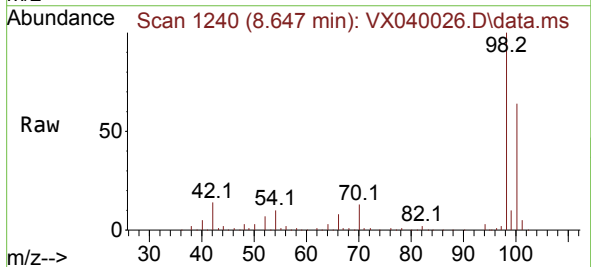
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

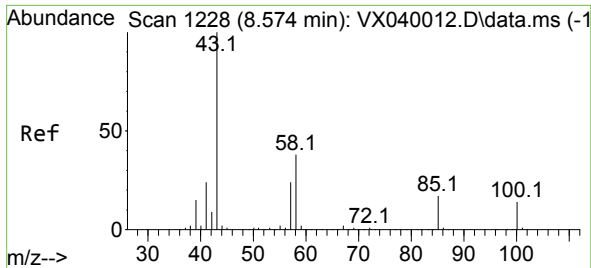
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 2345812.0 0.0 0.0#
58 10892.0 60.1 90.1#



#50
Toluene-d8
Concen: 50.162 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 98 Resp: 167647
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7

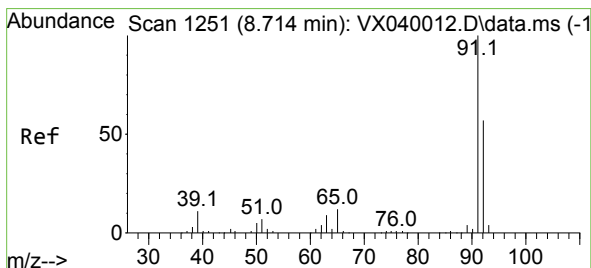
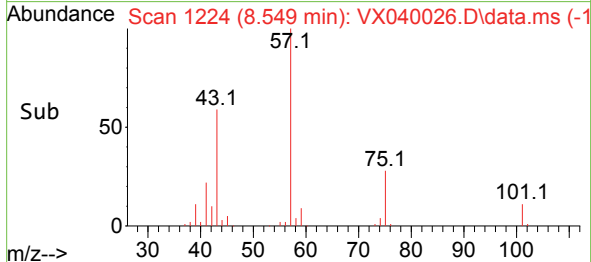
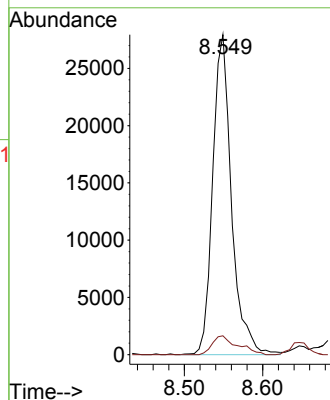
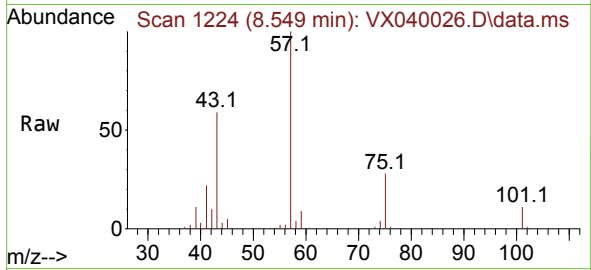




#51
4-Methyl-2-Pentanone
Concen: 30.627 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

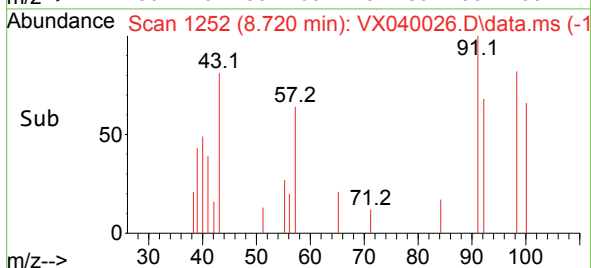
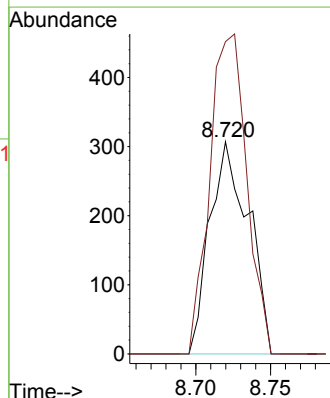
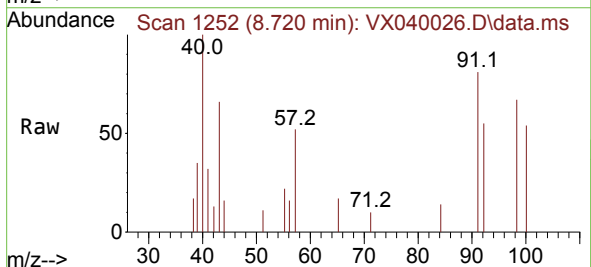
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

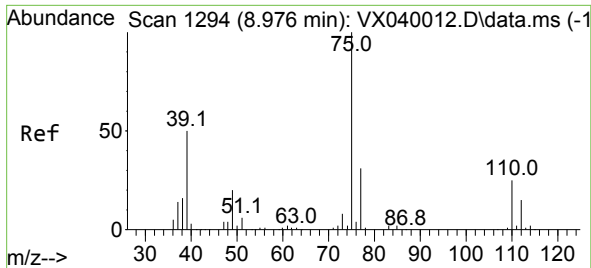
Tgt Ion: 43 Resp: 46538
Ion Ratio Lower Upper
43 100
58 8.0 30.4 45.6#



#52
Toluene
Concen: 0.236 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 92 Resp: 553
Ion Ratio Lower Upper
92 100
91 143.9 134.2 201.2

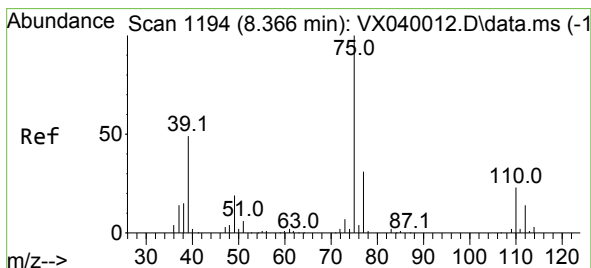
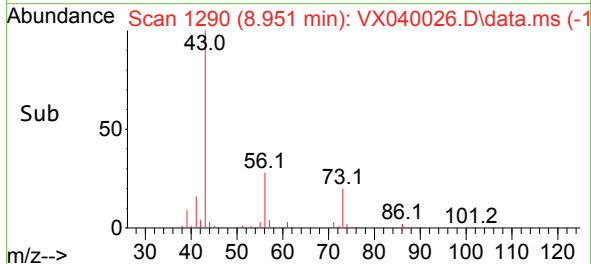
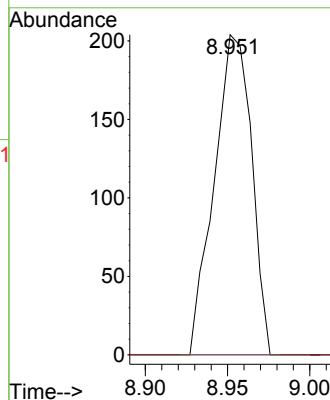
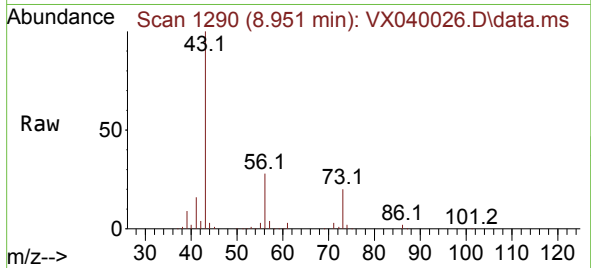




#53
 t-1,3-Dichloropropene
 Concen: 0.234 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX040026.D
 Acq: 30 Jan 2024 17:58

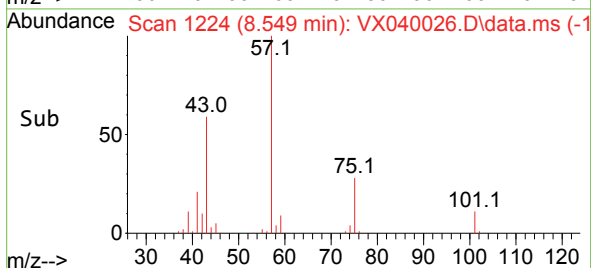
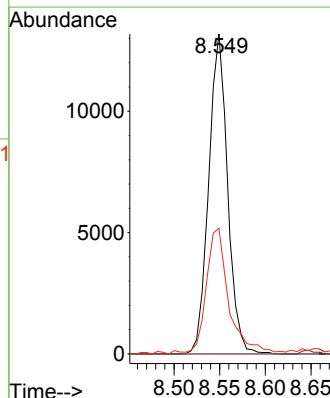
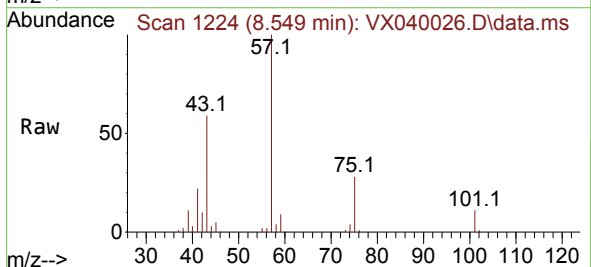
Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#01

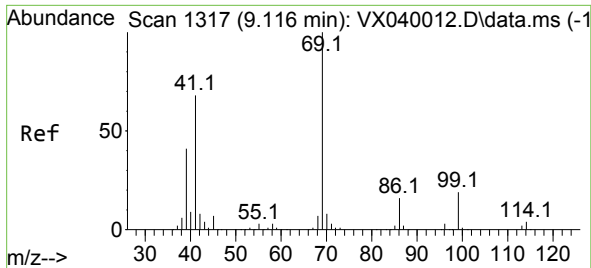
Tgt Ion: 75 Resp: 323
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.893 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040026.D
 Acq: 30 Jan 2024 17:58

Tgt Ion: 75 Resp: 18959
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 38.7 46.7 70.1#

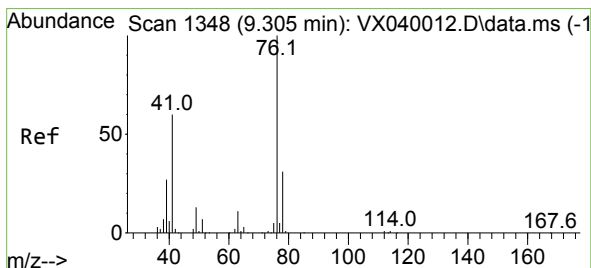
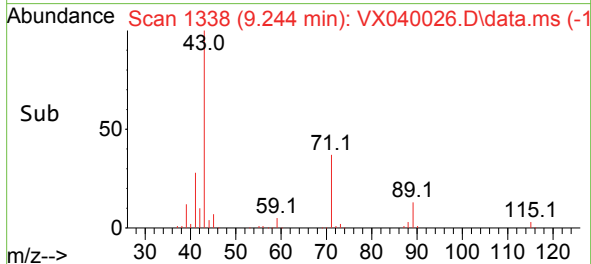
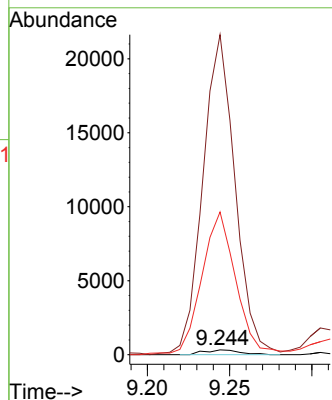
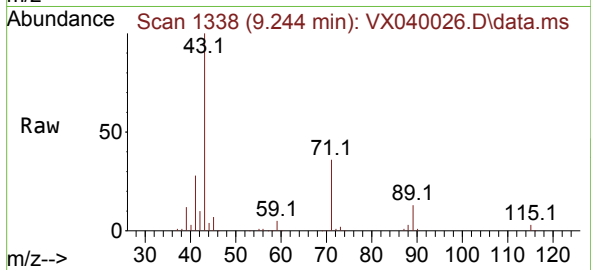




#56
Ethyl methacrylate
Concen: 0.342 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

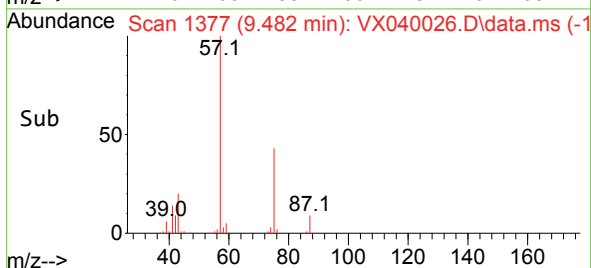
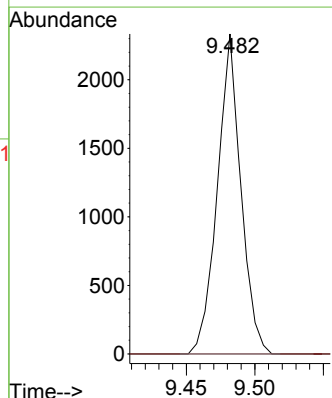
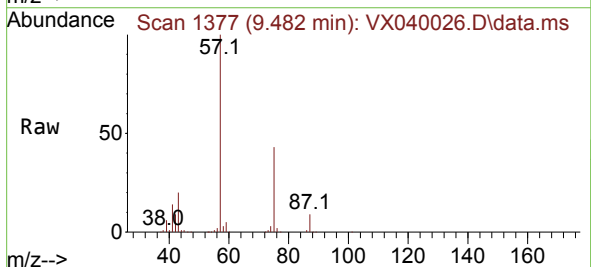
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

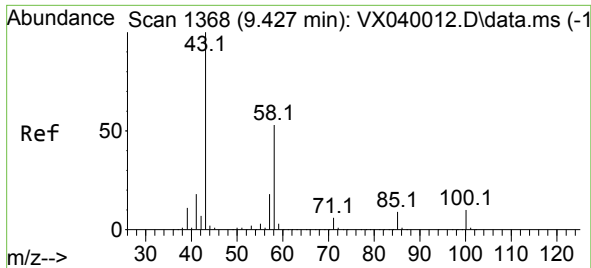
Tgt Ion: 69 Resp: 485
Ion Ratio Lower Upper
69 100
41 6088.2 56.8 85.2#
39 2874.8 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.738 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 76 Resp: 2780
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

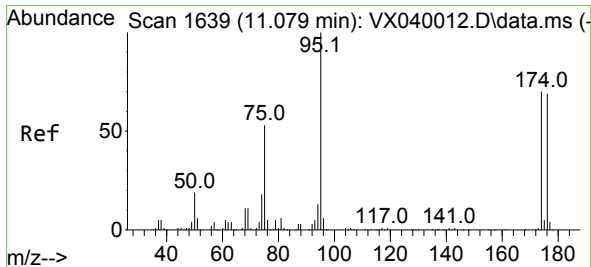
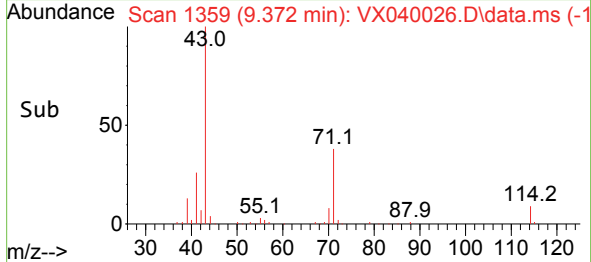
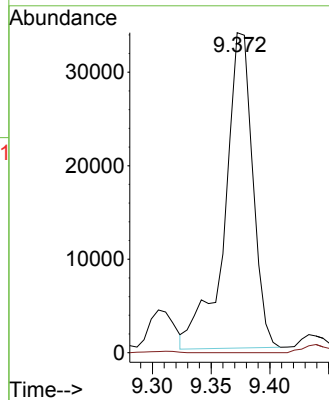
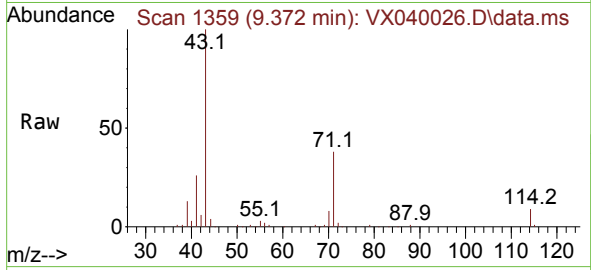




#59
2-Hexanone
Concen: 46.185 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

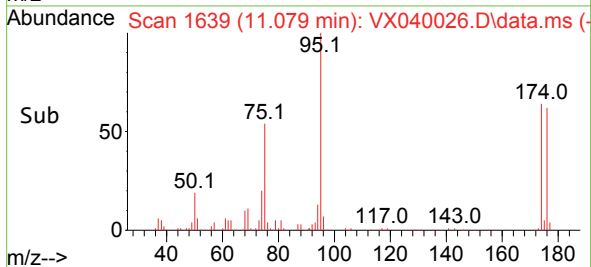
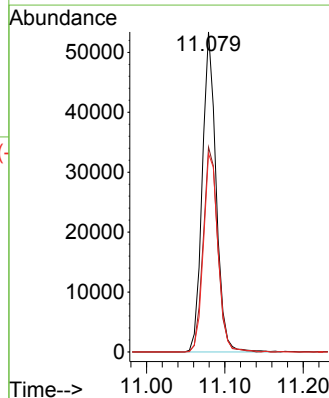
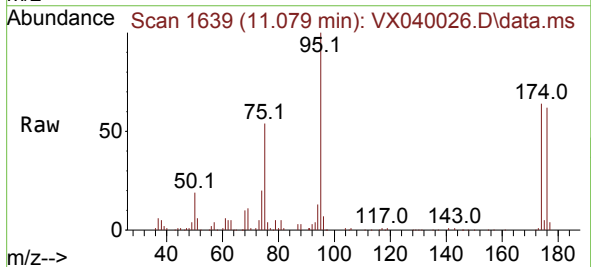
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

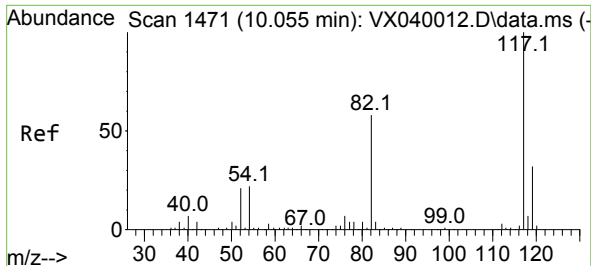
Tgt Ion: 43 Resp: 55954
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.824 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion: 95 Resp: 65405
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.6
176 65.4 0.0 131.0

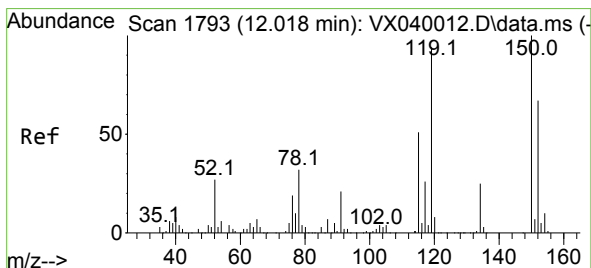
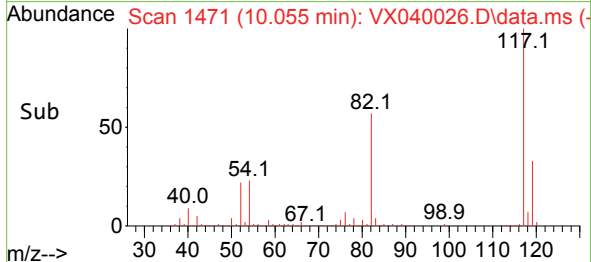
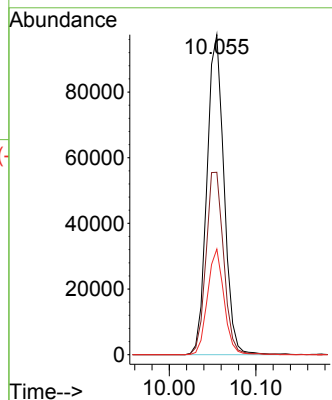
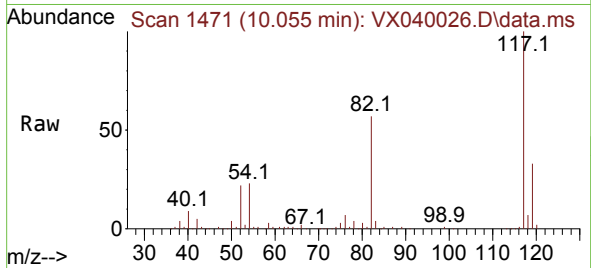




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

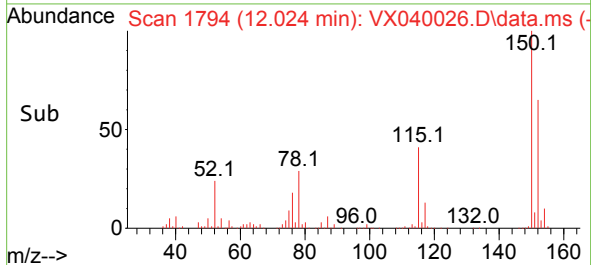
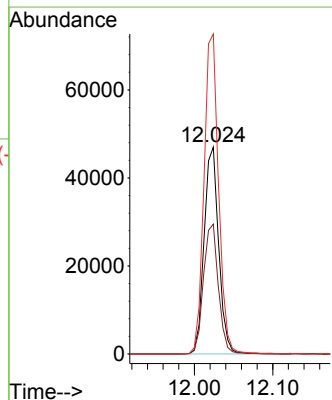
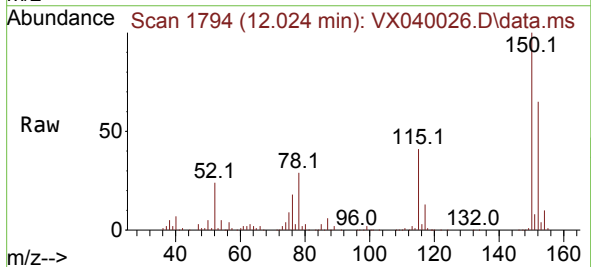
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

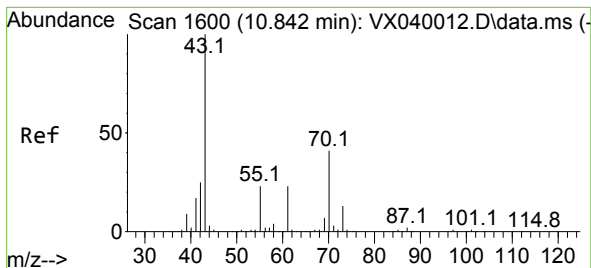
Tgt Ion:117 Resp: 133215
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

Tgt Ion:152 Resp: 60543
Ion Ratio Lower Upper
152 100
115 64.5 43.3 129.9
150 155.2 0.0 345.0





#74

N-amy1 acetate

Concen: 0.379 ug/l

RT: 10.847 min Scan# 1

Delta R.T. 0.005 min

Lab File: VX040026.D

Acq: 30 Jan 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

PB158700ZHE#01

Tgt Ion: 43 Resp: 356

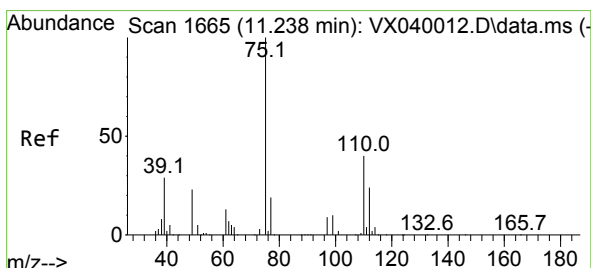
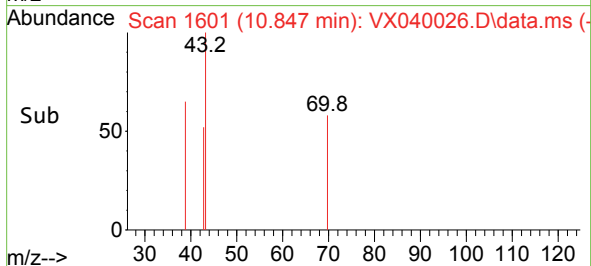
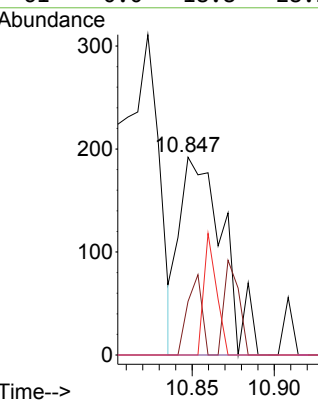
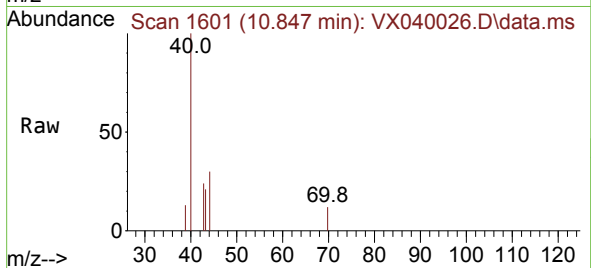
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 17.7 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.740 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040026.D

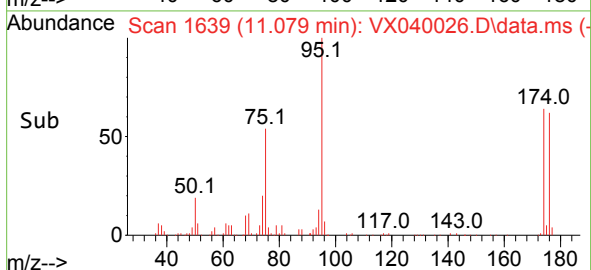
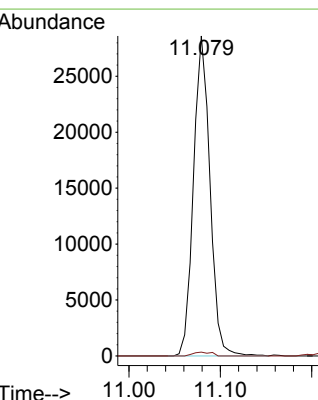
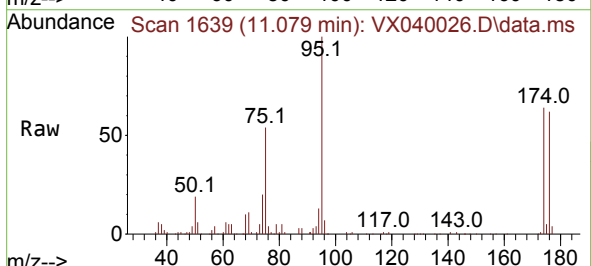
Acq: 30 Jan 2024 17:58

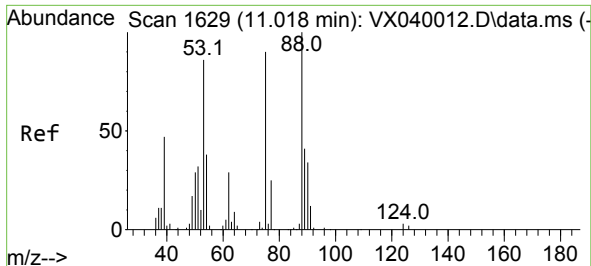
Tgt Ion: 75 Resp: 35764

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#

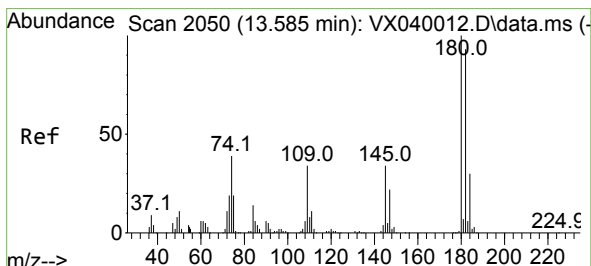
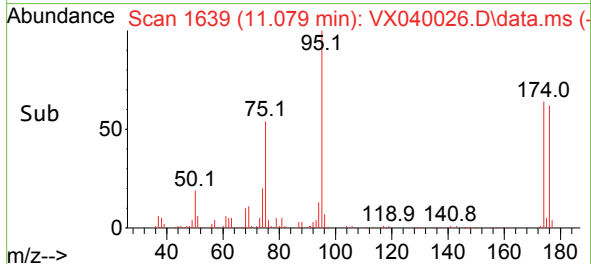
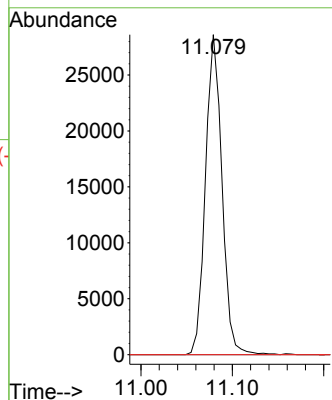
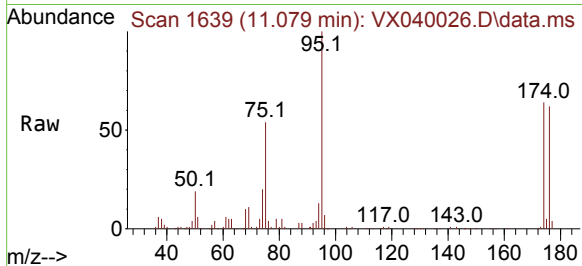




#81
trans-1,4-Dichloro-2-butene
Concen: 80.618 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

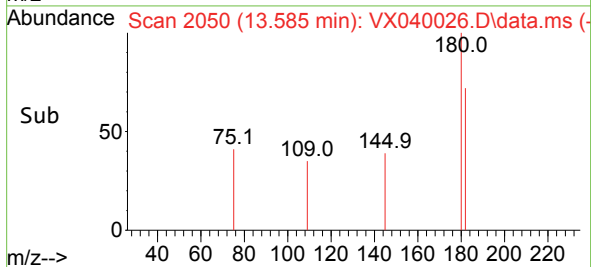
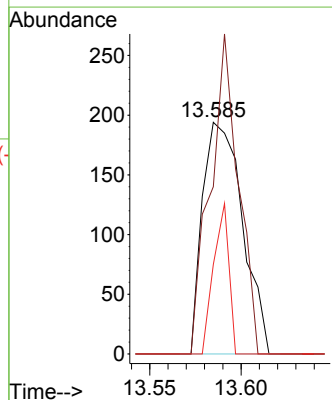
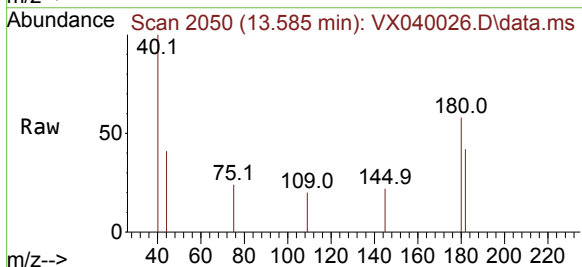
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#01

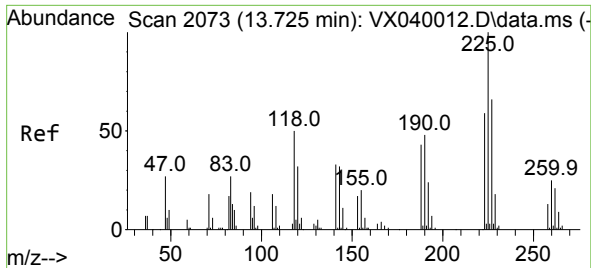
Tgt Ion: 75 Resp: 35764
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.242 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX040026.D
Acq: 30 Jan 2024 17:58

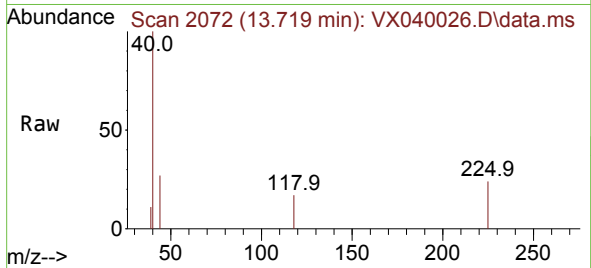
Tgt Ion: 180 Resp: 295
Ion Ratio Lower Upper
180 100
182 96.9 48.3 144.8
145 25.1 18.0 54.0





#94
 Hexachlorobutadiene
 Concen: 0.206 ug/l
 RT: 13.719 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VX040026.D
 Acq: 30 Jan 2024 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#01



Tgt Ion:225 Resp: 99
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.2#
 227 0.0 32.5 97.5#

