

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013024\
 Data File : VX040028.D
 Acq On : 30 Jan 2024 18:43
 Operator : JC/MD
 Sample : PB158700ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#03

Quant Time: Jan 31 05:39:17 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)

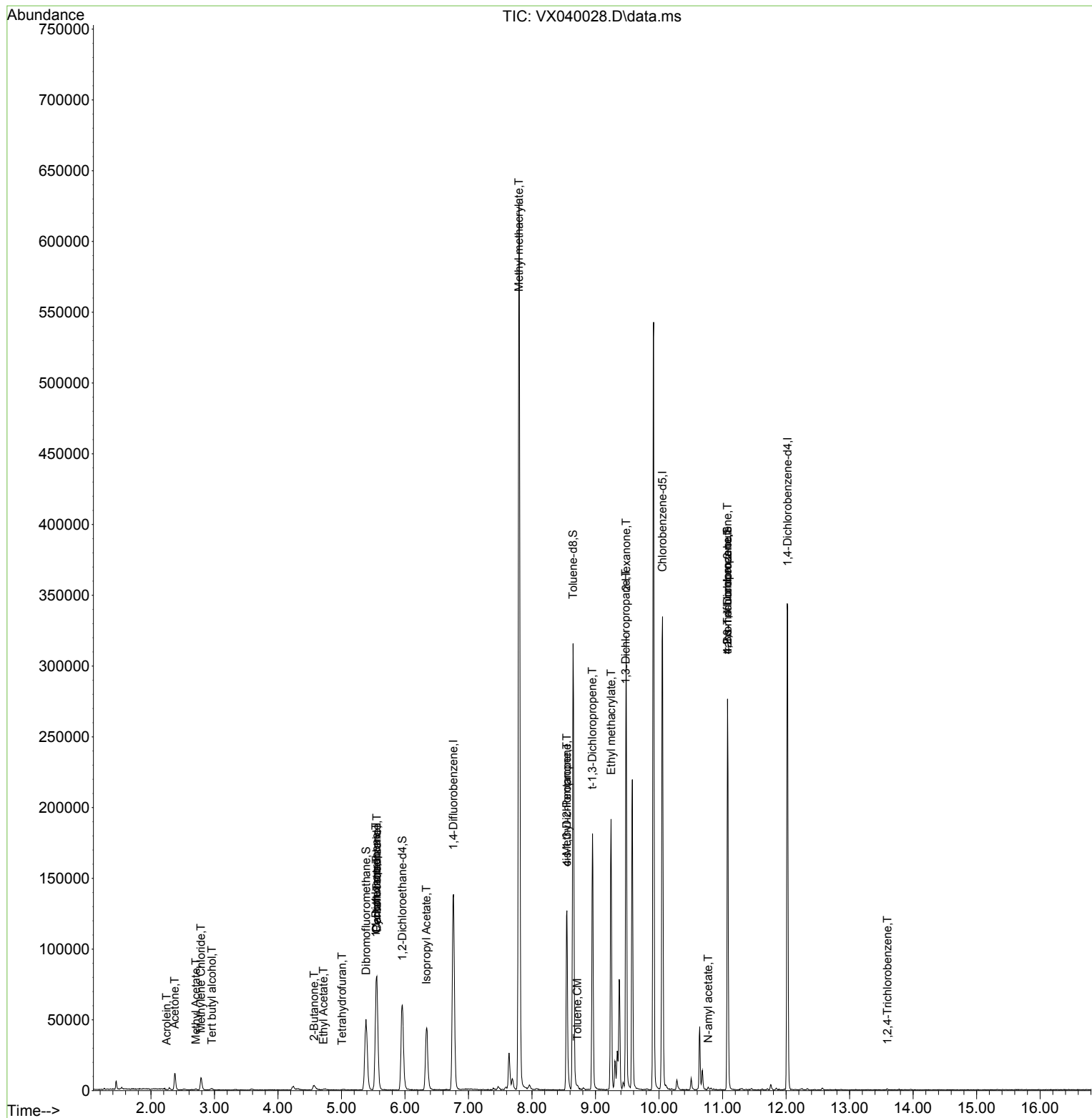
Internal Standards						
1) Pentafluorobenzene	5.556	168	70187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137848	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59895	53.025	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.040%			
35) Dibromofluoromethane	5.385	113	41662	44.398	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.800%			
50) Toluene-d8	8.647	98	181404	51.693	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.380%			
62) 4-Bromofluorobenzene	11.079	95	69300	51.286	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.580%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	1220	5.952	ug/l #	78
13) Acrolein	2.246	56	54	0.275	ug/l #	14
16) Acetone	2.374	43	12720	24.034	ug/l	99
18) Methyl Acetate	2.709	43	878	0.700	ug/l #	74
20) Methylene Chloride	2.788	84	3976	4.227	ug/l	95
25) 2-Butanone	4.568	43	6372	8.661	ug/l	91
29) Tetrahydrofuran	5.007	42	110	0.235	ug/l #	34
31) Cyclohexane	5.550	56	2029	1.434	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	6935	5.110	ug/l #	50
37) Ethyl Acetate	4.715	43	586	0.395	ug/l #	80
38) Carbon Tetrachloride	5.556	117	8206	6.319	ug/l #	14
43) Isopropyl Acetate	6.336	43	61713	26.404	ug/l	99
48) Methyl methacrylate	7.793	41	57748	50.156	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	46051	28.863	ug/l #	51
52) Toluene	8.714	92	601	0.244	ug/l	83
53) t-1,3-Dichloropropene	8.952	75	389	0.269	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	19603	12.696	ug/l #	62
56) Ethyl methacrylate	9.244	69	520	0.349	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	2377	1.415	ug/l #	42
59) 2-Hexanone	9.482	43	36022	28.316	ug/l #	54
74) N-amyl acetate	10.775	43	1104	0.691	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	39573	26.992	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	39573	78.809	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	291	0.210	ug/l #	78

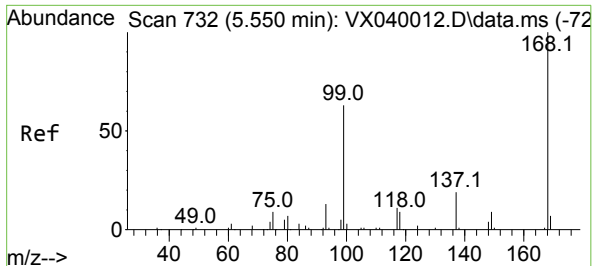
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 31 05:24:02 2024
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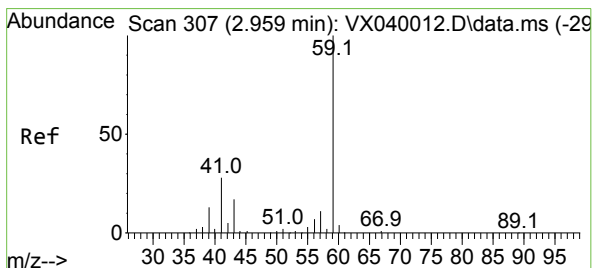
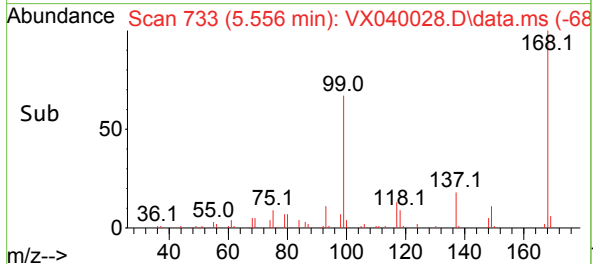
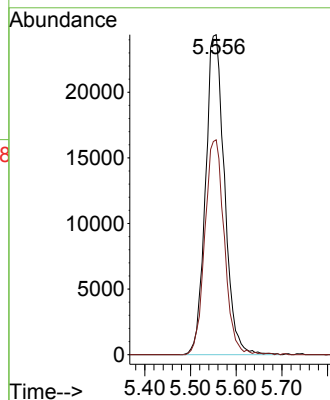
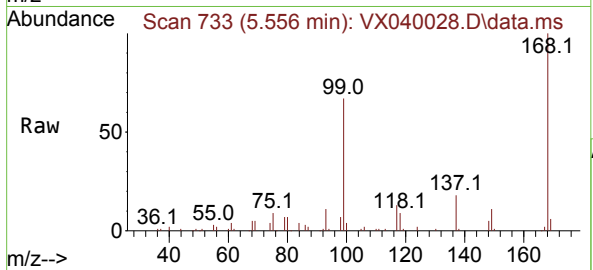




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

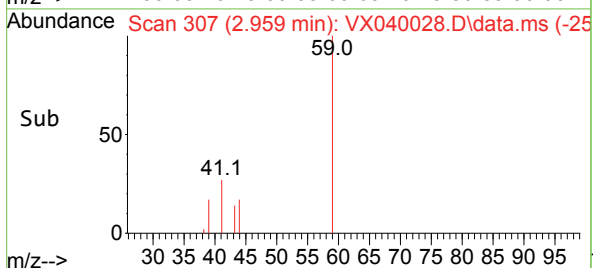
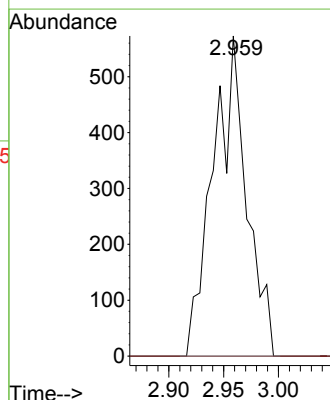
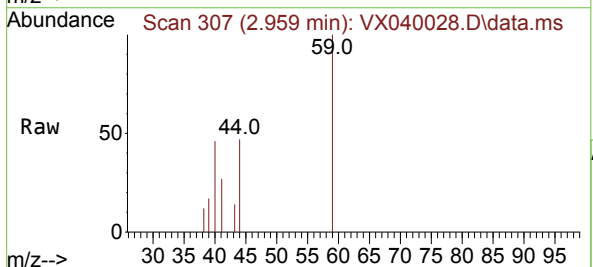
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

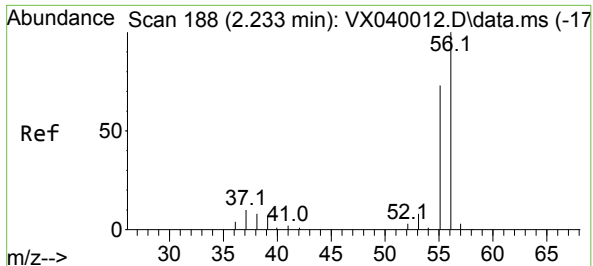
Tgt Ion:168 Resp: 70187
Ion Ratio Lower Upper
168 100
99 67.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 5.952 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 59 Resp: 1220
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

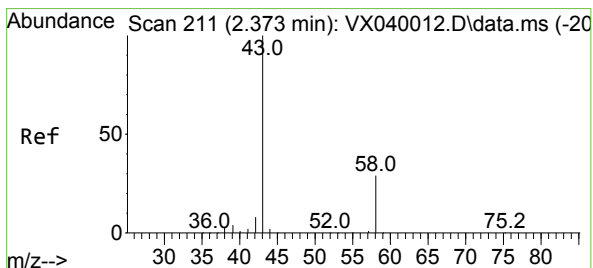
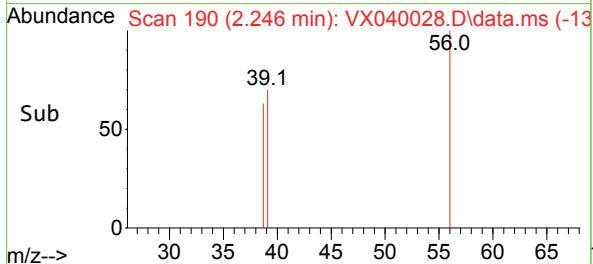
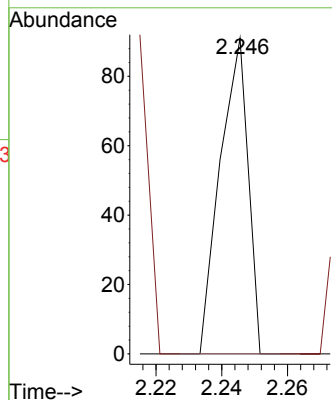
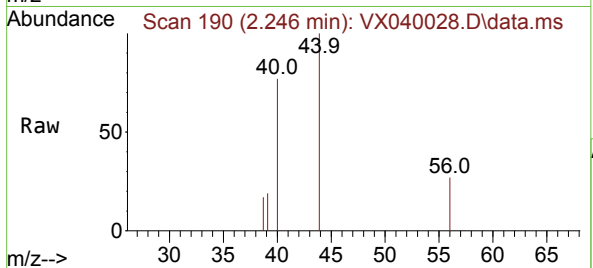




#13
Acrolein
Concen: 0.275 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

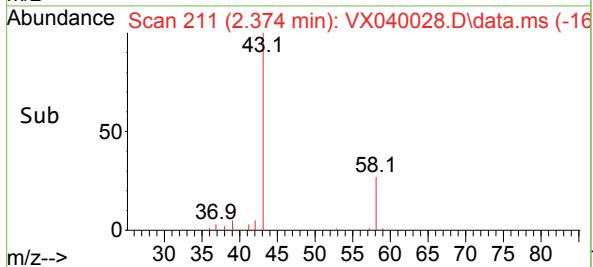
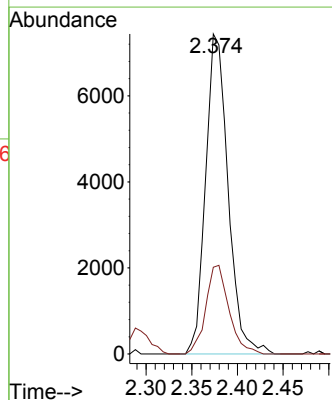
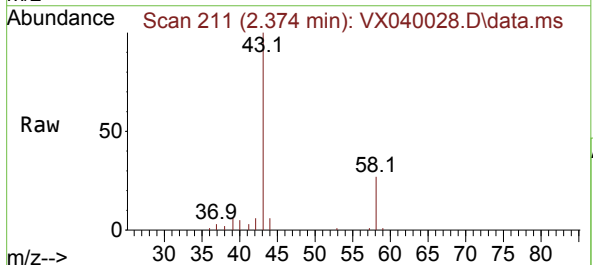
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

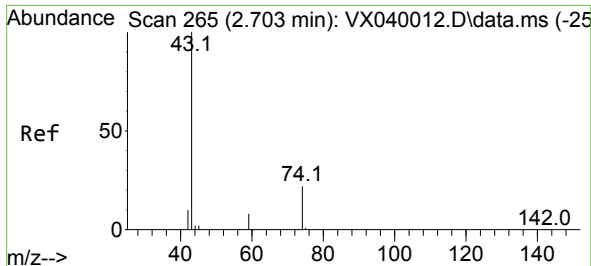
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 24.034 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 43 Resp: 12720
Ion Ratio Lower Upper
43 100
58 27.1 21.9 32.9

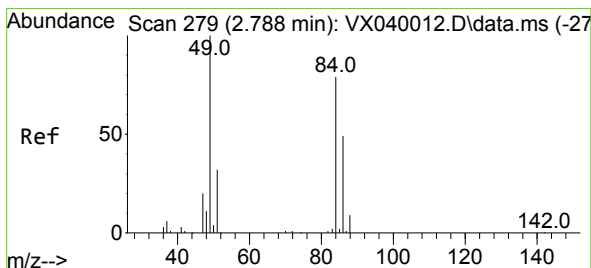
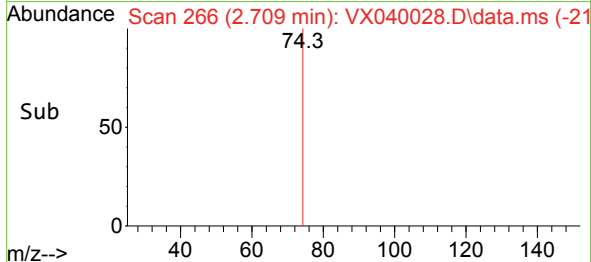
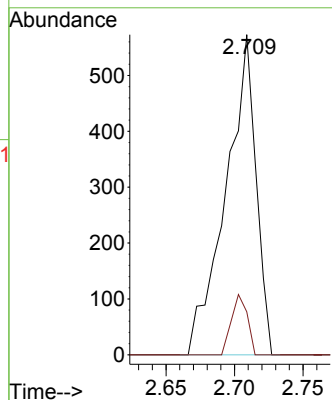
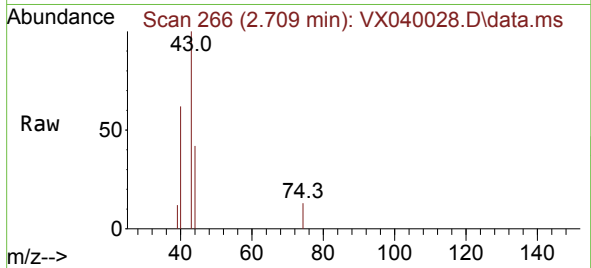




#18
Methyl Acetate
Concen: 0.700 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

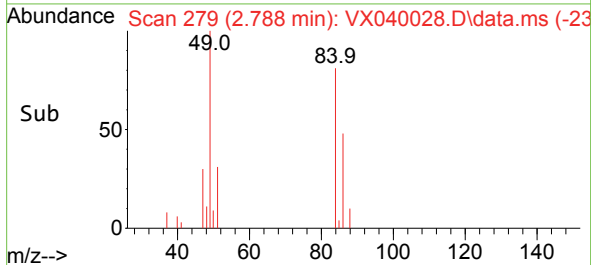
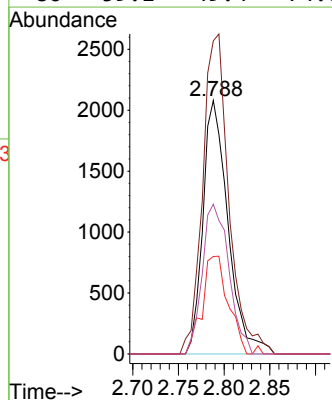
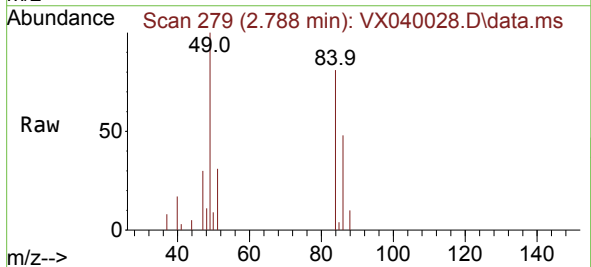
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

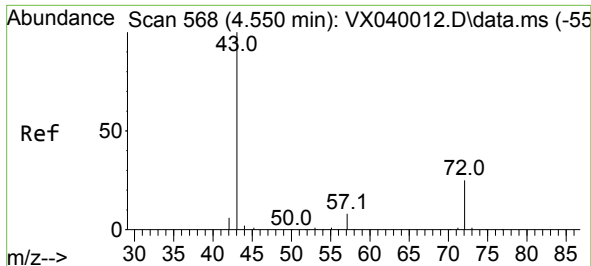
Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
74 9.9 17.8 26.8#



#20
Methylene Chloride
Concen: 4.227 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 84 Resp: 3976
Ion Ratio Lower Upper
84 100
49 123.5 103.6 155.4
51 38.4 33.8 50.6
86 59.1 49.4 74.0

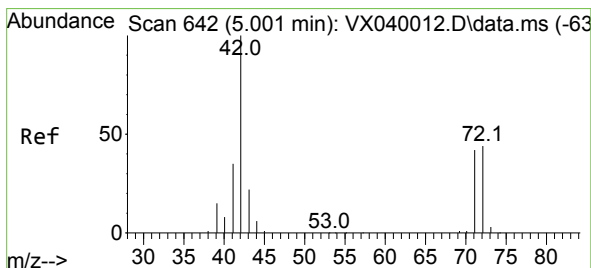
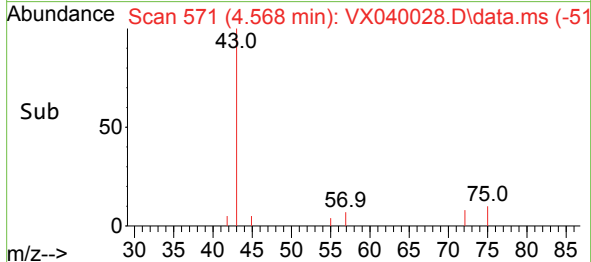
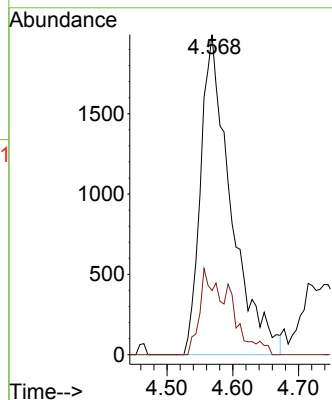
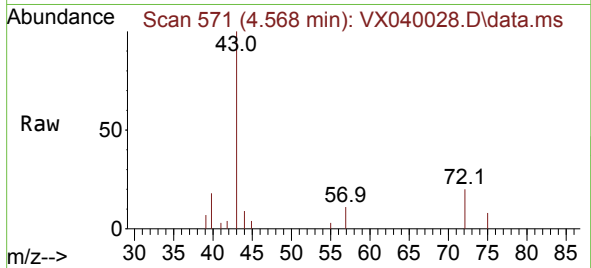




#25
2-Butanone
Concen: 8.661 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

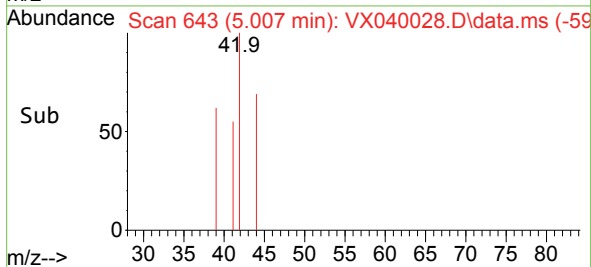
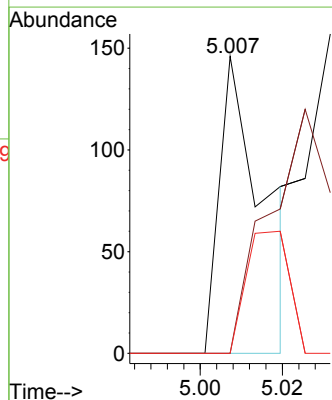
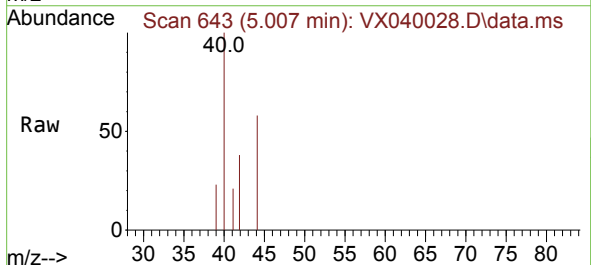
Instrument :
MSVOA_X
ClientSampleId :
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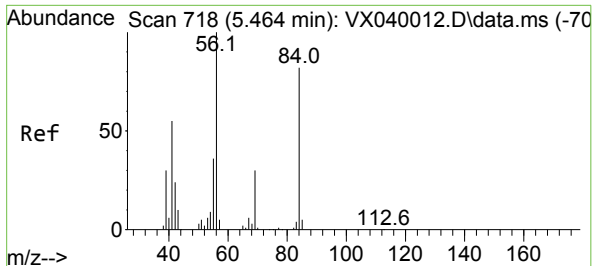
Tgt Ion: 43 Resp: 6372
Ion Ratio Lower Upper
43 100
72 20.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.235 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.006 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 42 Resp: 110
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#

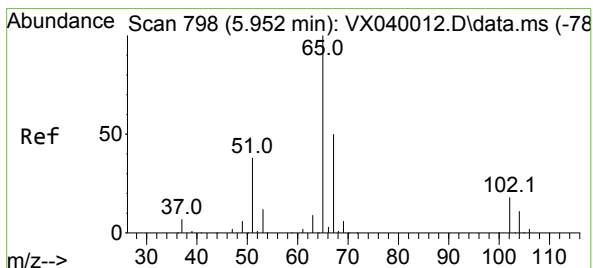
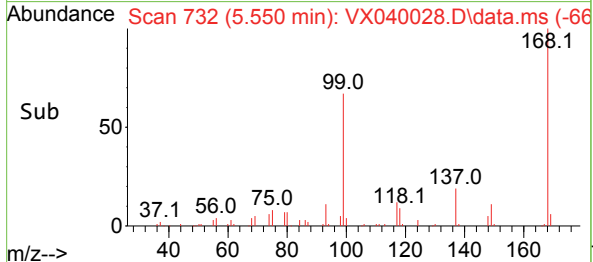
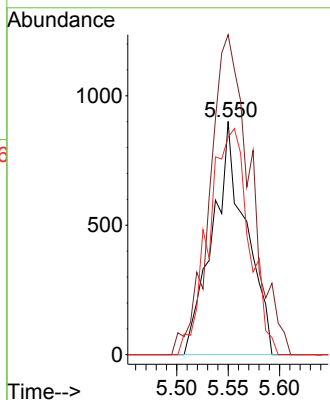
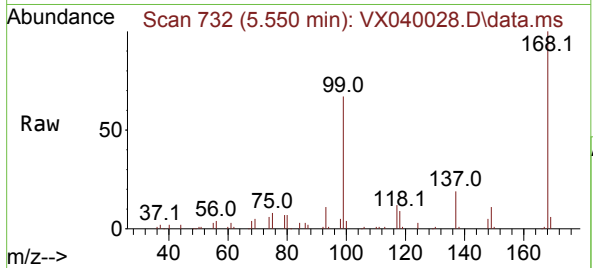




#31
Cyclohexane
Concen: 1.434 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

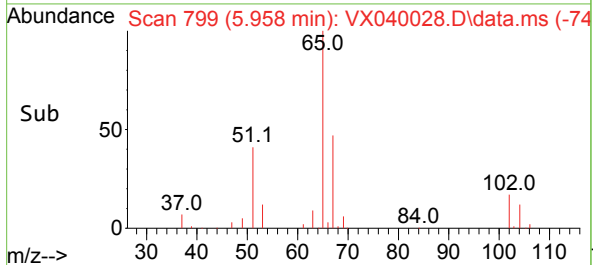
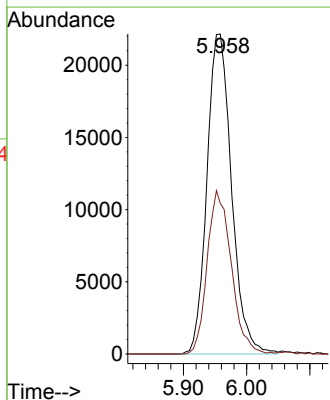
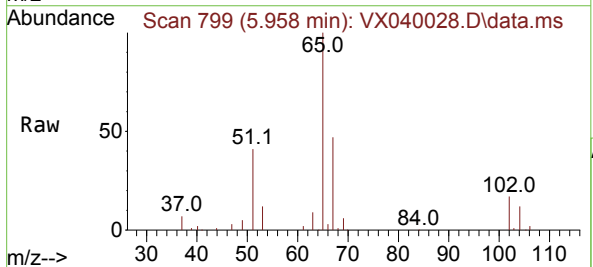
Instrument :
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ClientSampleId :
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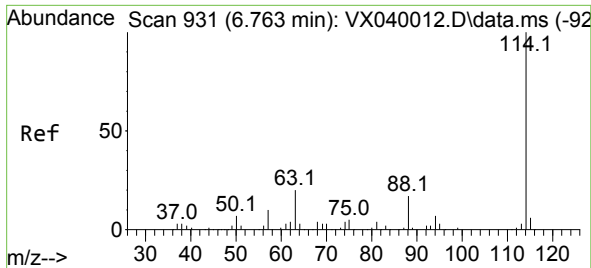
Tgt Ion: 56 Resp: 2029
Ion Ratio Lower Upper
56 100
69 127.7 23.4 35.2#
84 93.2 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 53.025 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 65 Resp: 59895
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2

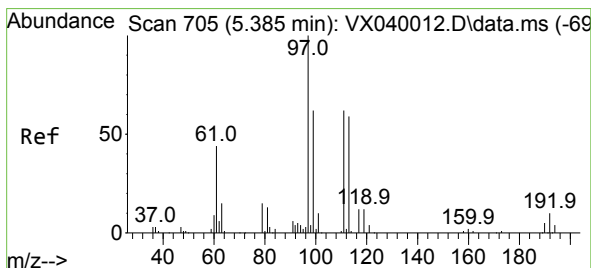
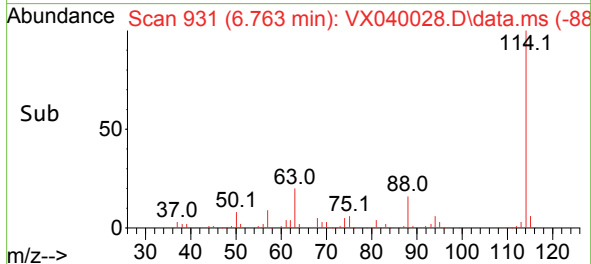
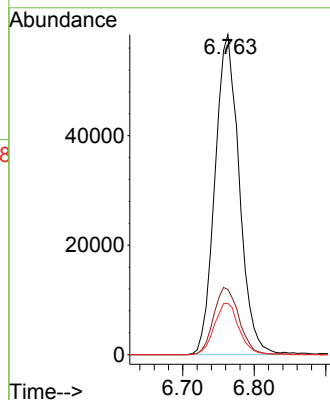
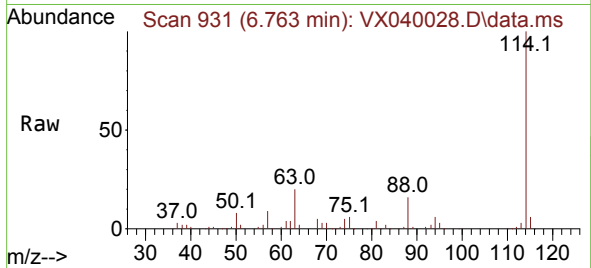




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

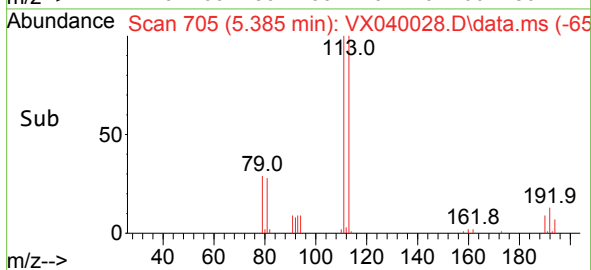
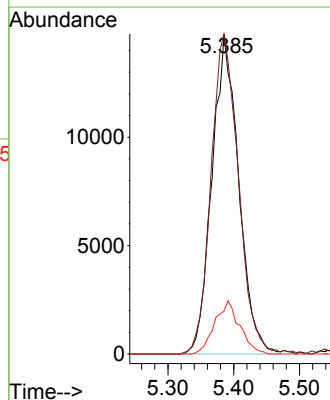
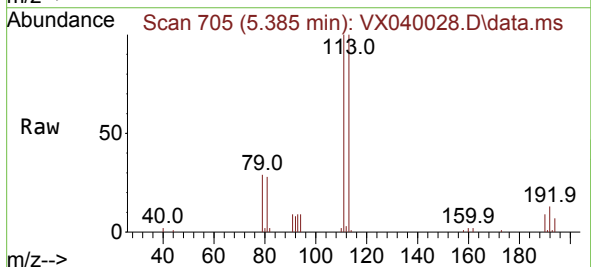
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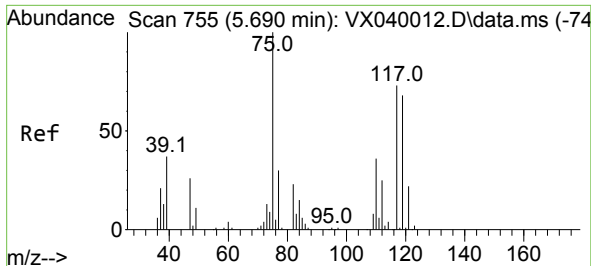
Tgt Ion:114 Resp: 137848
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.398 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

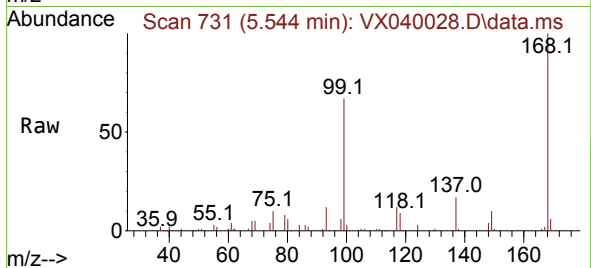
Tgt Ion:113 Resp: 41662
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 15.5 13.3 19.9



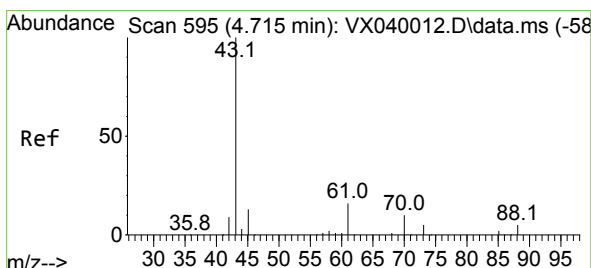
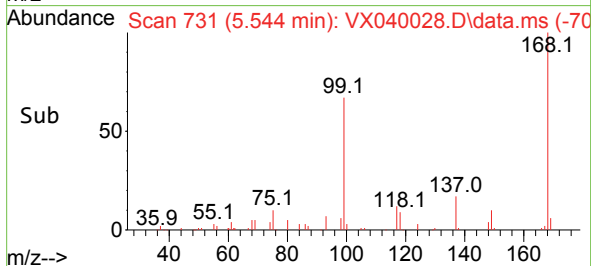
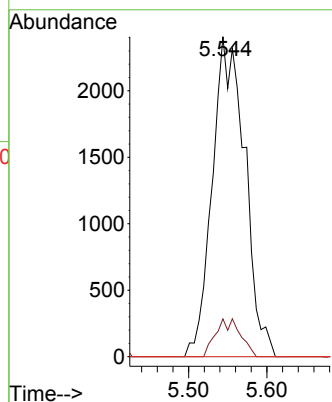


#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

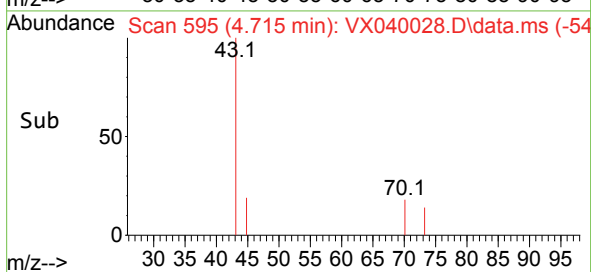
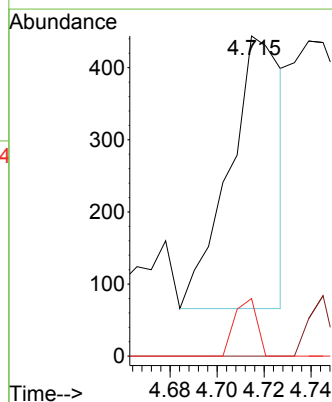
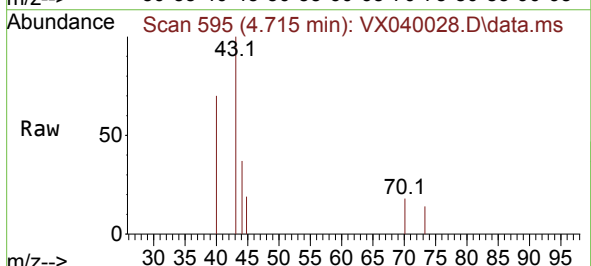


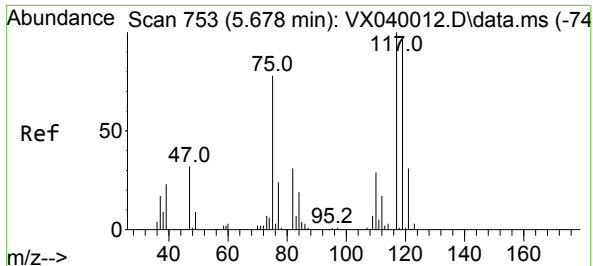
Tgt Ion: 75 Resp: 6935
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.395 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

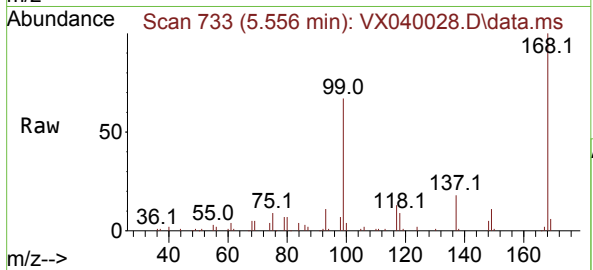
Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 9.0 8.3 12.5



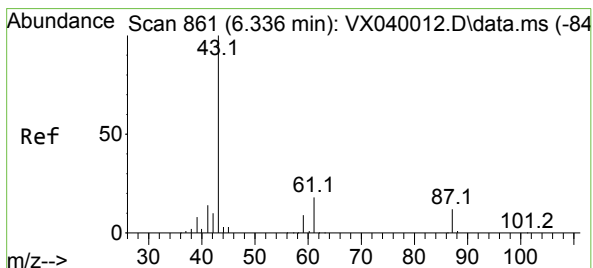
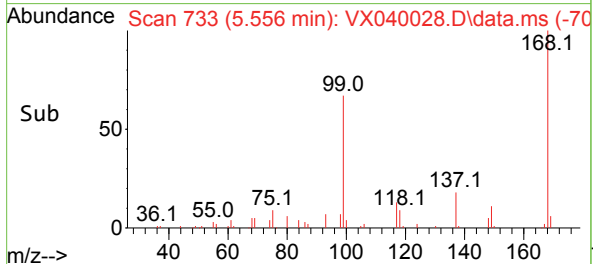
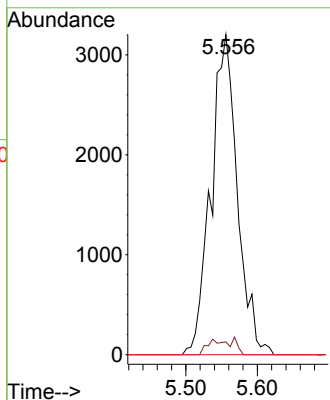


#38
Carbon Tetrachloride
Concen: 6.319 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

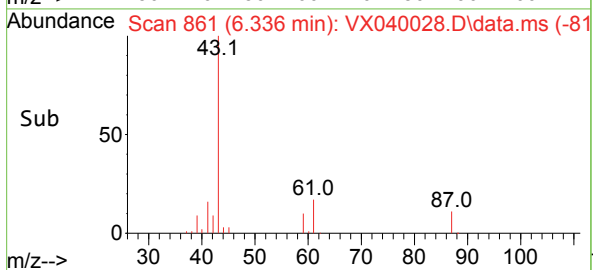
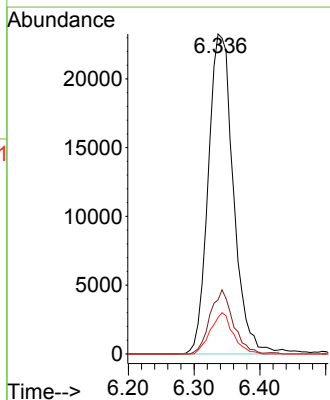
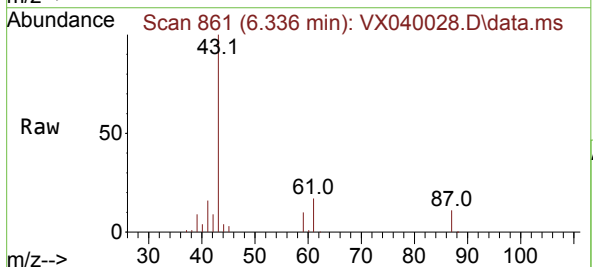


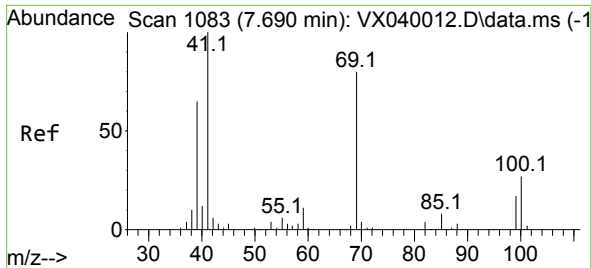
Tgt Ion:117 Resp: 8206
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.404 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 43 Resp: 61713
Ion Ratio Lower Upper
43 100
61 18.5 15.2 22.8
87 11.6 9.8 14.6

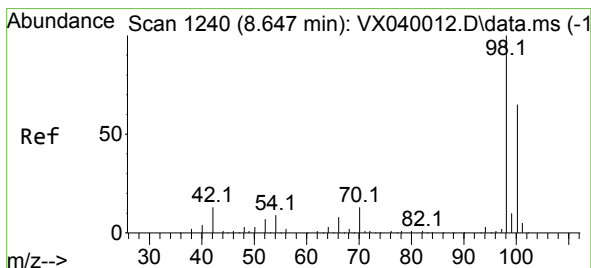
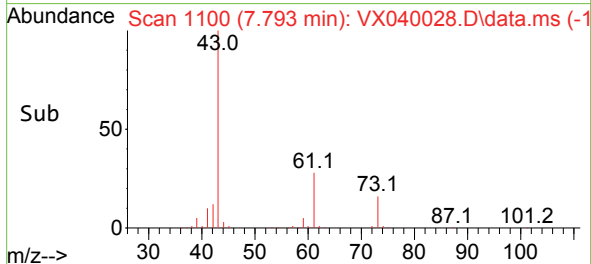
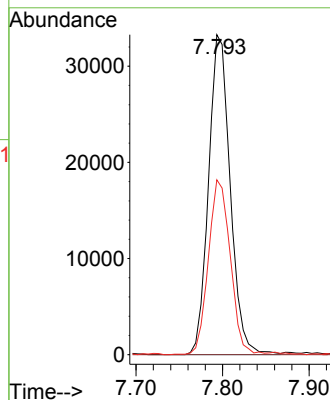
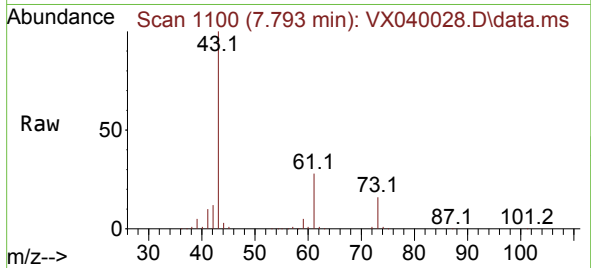




#48
Methyl methacrylate
Concen: 50.156 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

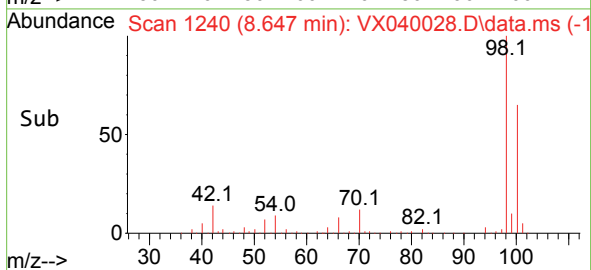
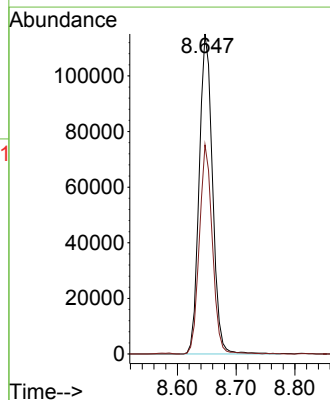
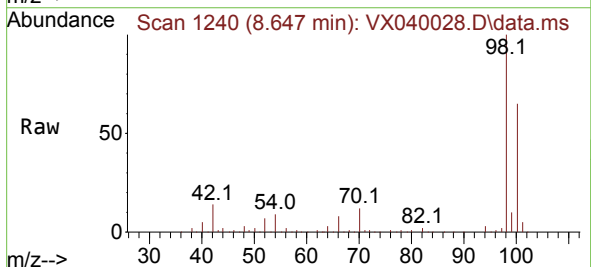
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

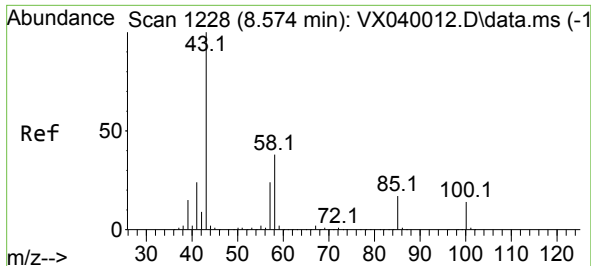
Tgt Ion: 41 Resp: 57748
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 55.6 47.7 71.5



#50
Toluene-d8
Concen: 51.693 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 98 Resp: 181404
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7

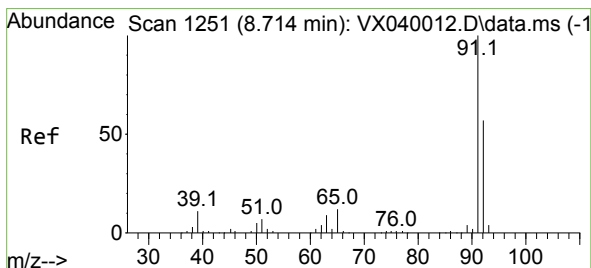
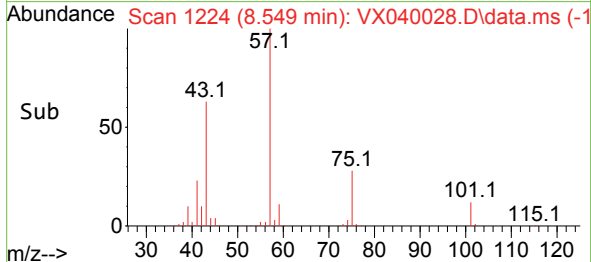
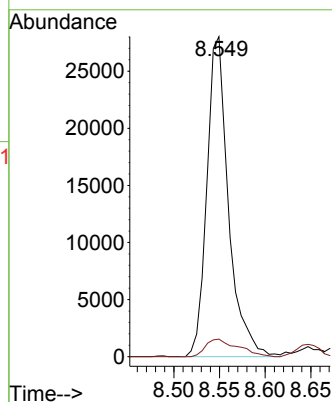
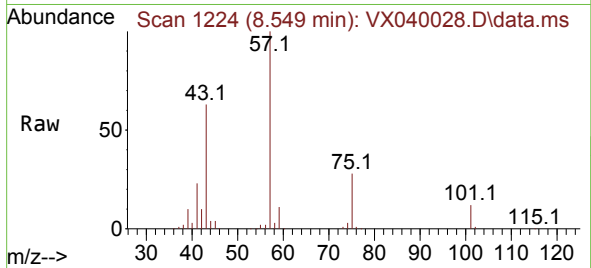




#51
4-Methyl-2-Pentanone
Concen: 28.863 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

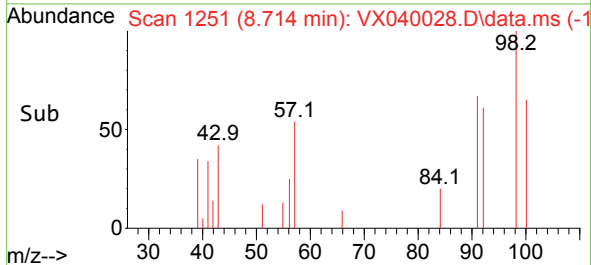
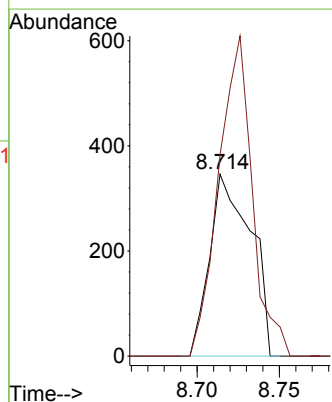
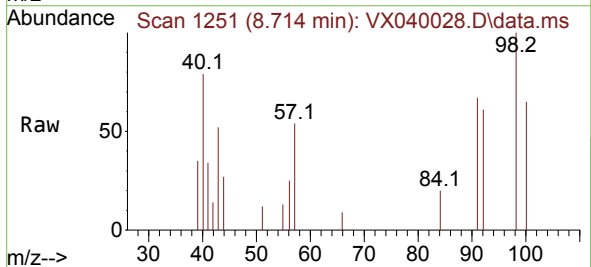
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

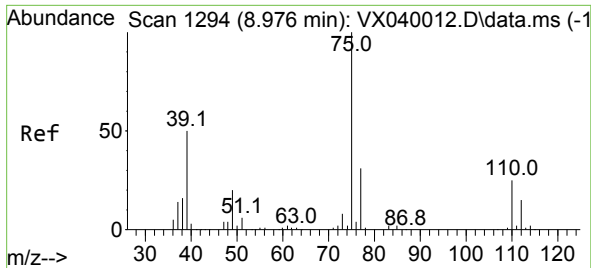
Tgt Ion: 43 Resp: 46051
Ion Ratio Lower Upper
43 100
58 8.2 30.4 45.6#



#52
Toluene
Concen: 0.244 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 92 Resp: 601
Ion Ratio Lower Upper
92 100
91 144.3 134.2 201.2

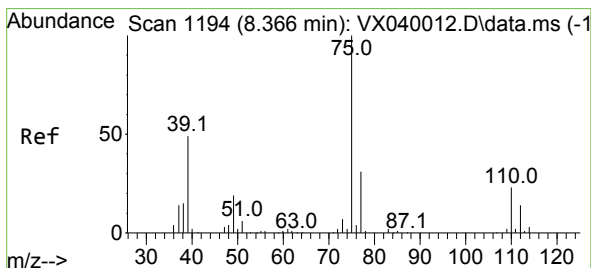
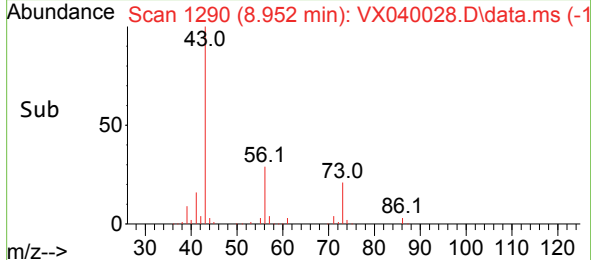
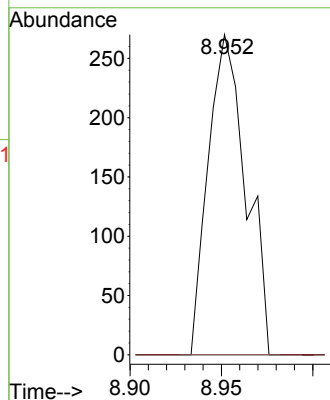
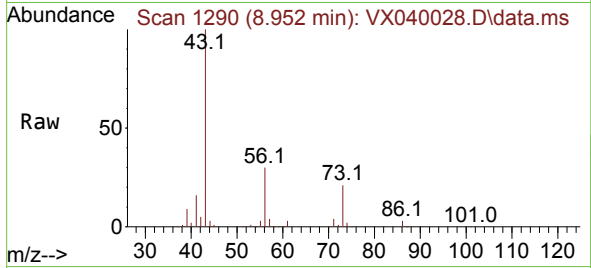




#53
 t-1,3-Dichloropropene
 Concen: 0.269 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX040028.D
 Acq: 30 Jan 2024 18:43

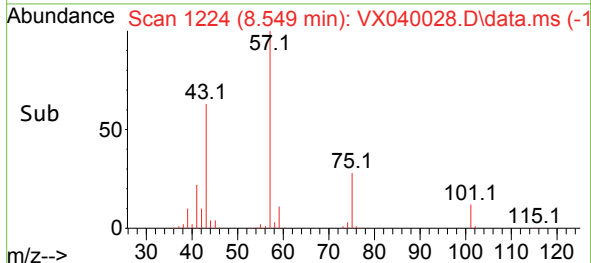
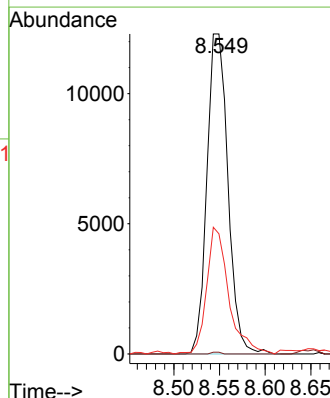
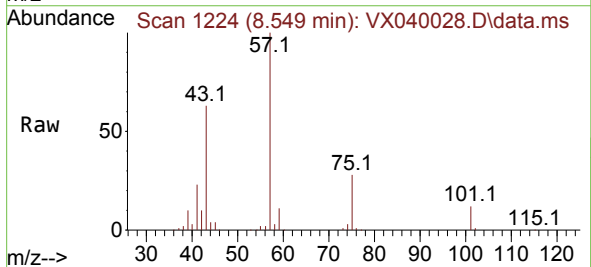
Instrument :
 MSVOA_X
 ClientSampleId :
 PB158700ZHE#03

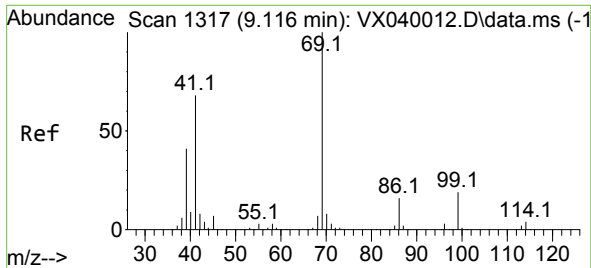
Tgt Ion: 75 Resp: 389
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.696 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040028.D
 Acq: 30 Jan 2024 18:43

Tgt Ion: 75 Resp: 19603
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 37.1 46.7 70.1#

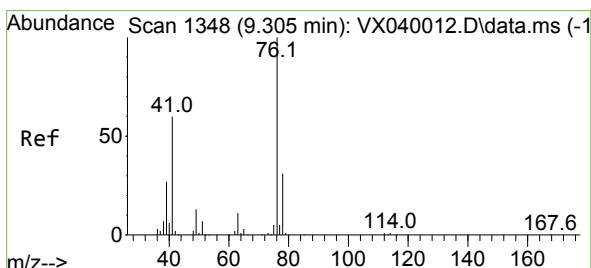
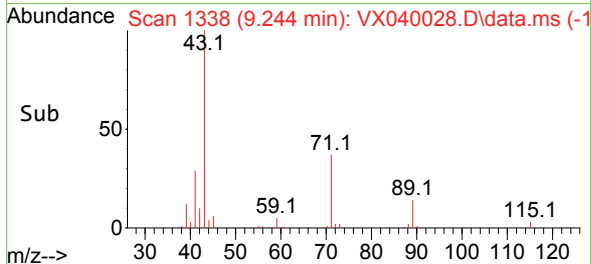
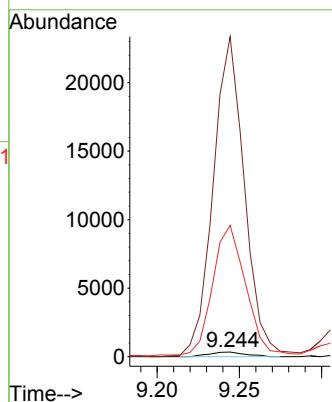
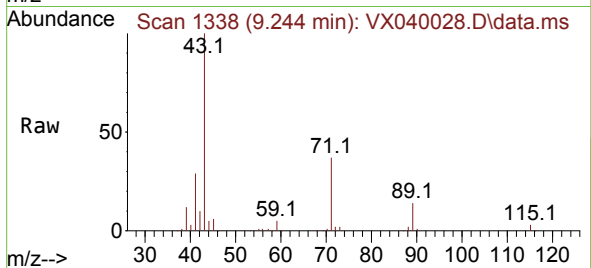




#56
Ethyl methacrylate
Concen: 0.349 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

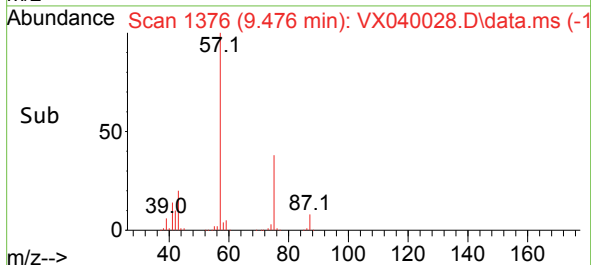
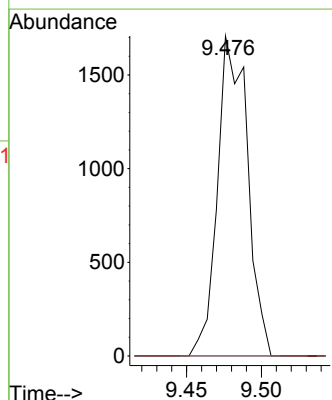
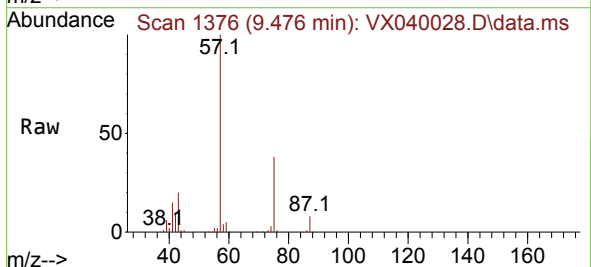
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

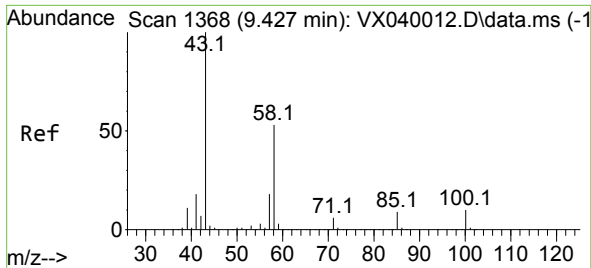
Tgt Ion: 69 Resp: 520
Ion Ratio Lower Upper
69 100
41 5964.2 56.8 85.2#
39 2654.0 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.415 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.171 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 76 Resp: 2377
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

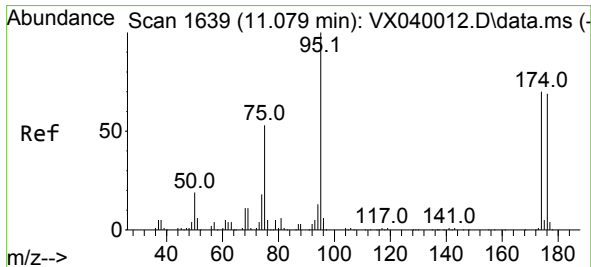
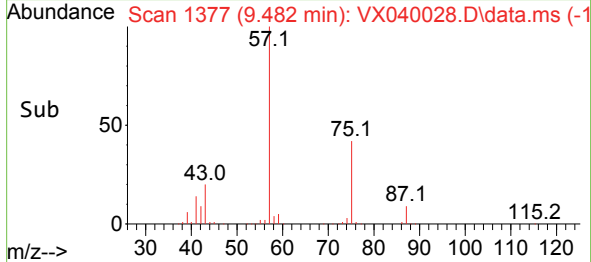
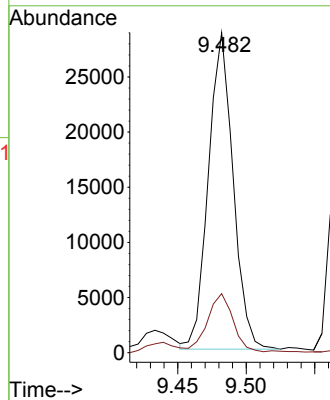
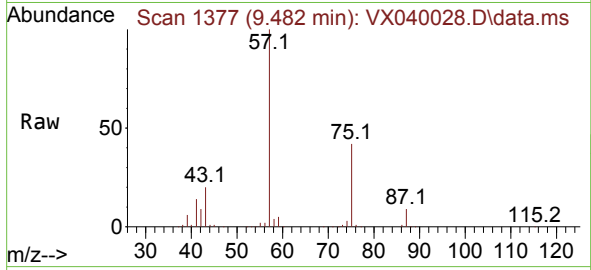




#59
2-Hexanone
Concen: 28.316 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

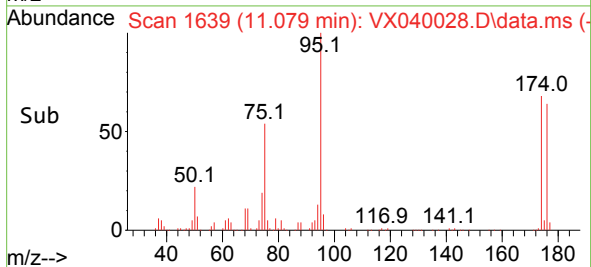
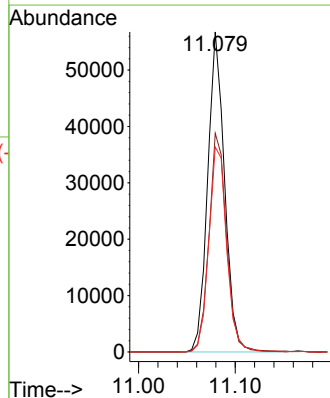
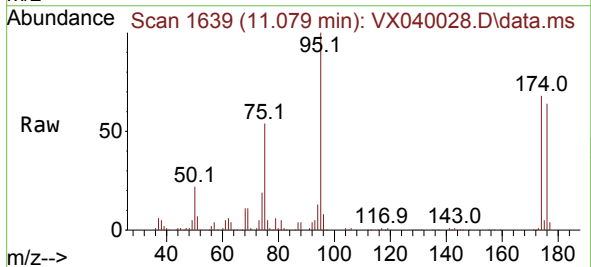
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

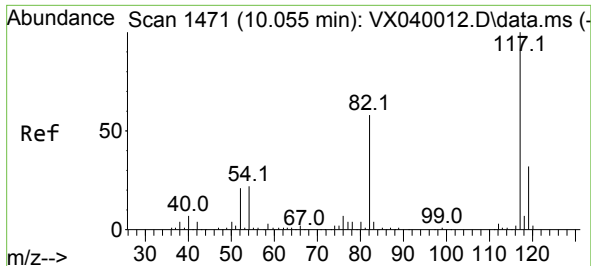
Tgt Ion: 43 Resp: 36022
Ion Ratio Lower Upper
43 100
58 20.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 51.286 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 95 Resp: 69300
Ion Ratio Lower Upper
95 100
174 70.6 0.0 135.6
176 67.7 0.0 131.0

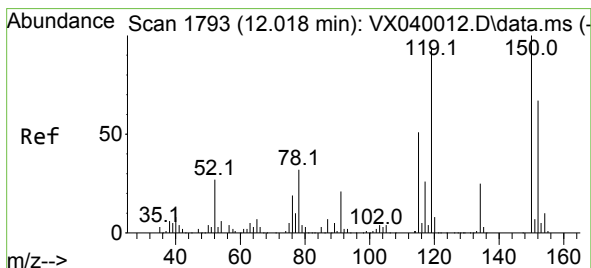
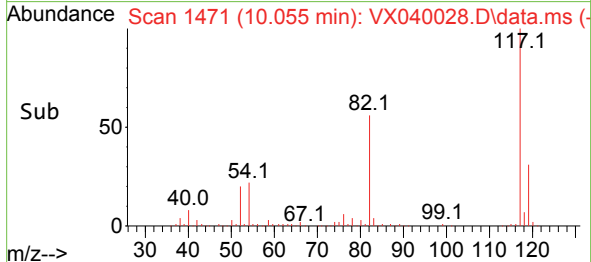
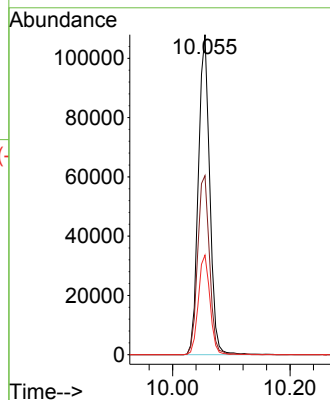
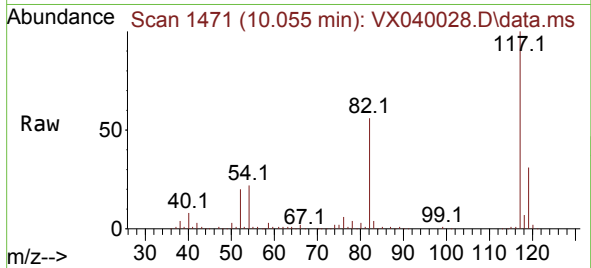




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

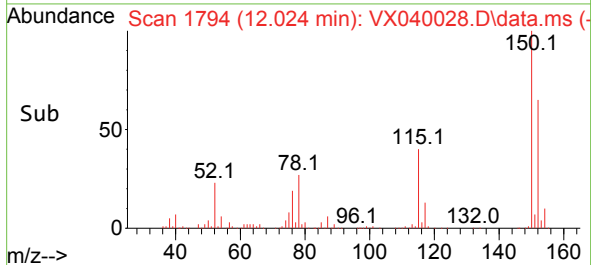
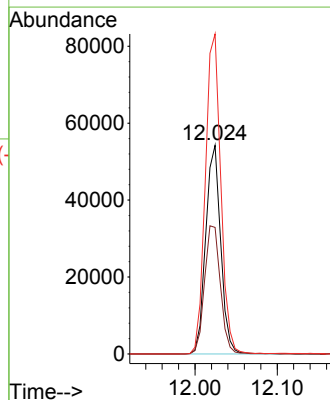
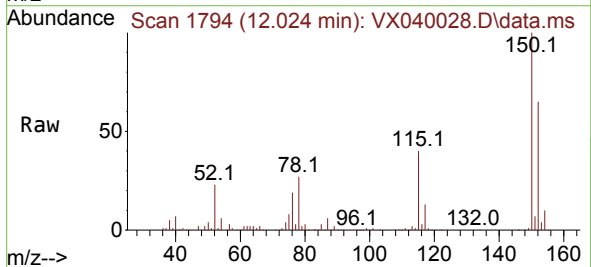
Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

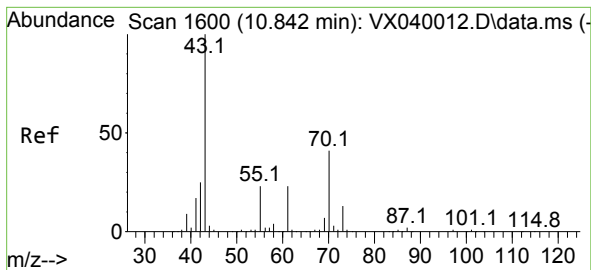
Tgt Ion:117 Resp: 145055
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 31.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion:152 Resp: 68846
Ion Ratio Lower Upper
152 100
115 64.9 43.3 129.9
150 157.5 0.0 345.0





#74

N-amy1 acetate

Concen: 0.691 ug/l

RT: 10.775 min Scan# 11

Delta R.T. -0.068 min

Lab File: VX040028.D

Acq: 30 Jan 2024 18:43

Instrument :

MSVOA_X

ClientSampleId :

PB158700ZHE#03

Tgt Ion: 43 Resp: 1104

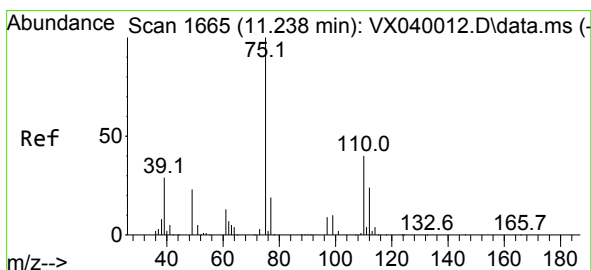
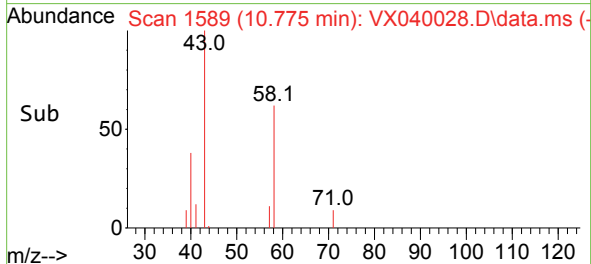
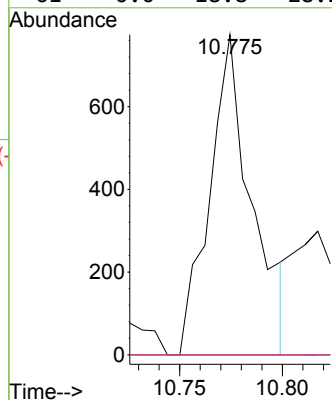
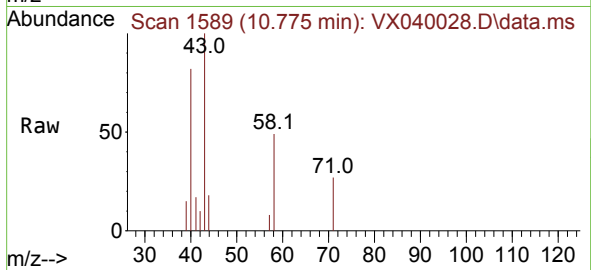
Ion Ratio Lower Upper

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: 26.992 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040028.D

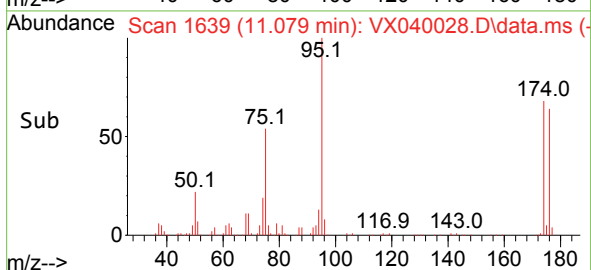
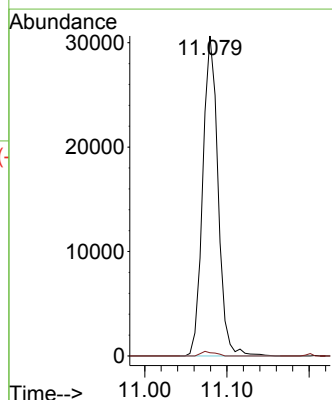
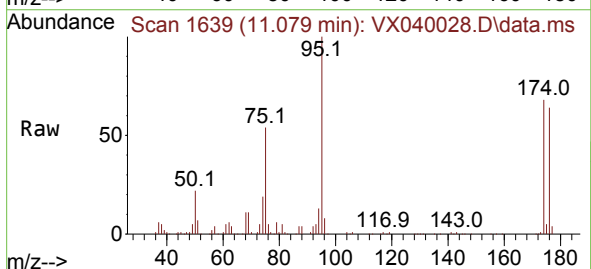
Acq: 30 Jan 2024 18:43

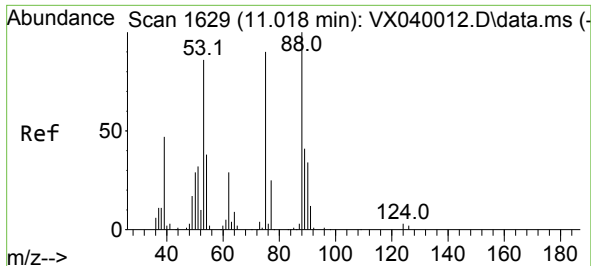
Tgt Ion: 75 Resp: 39573

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

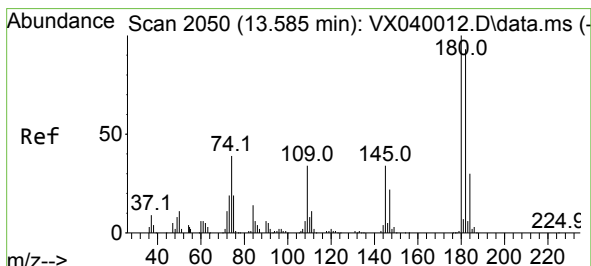
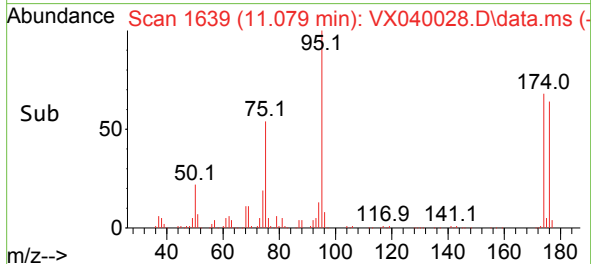
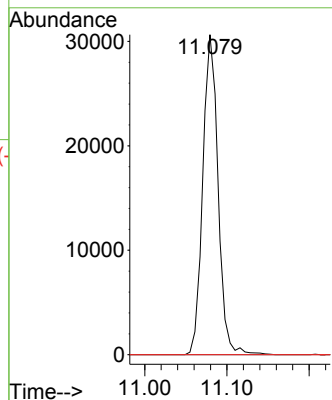
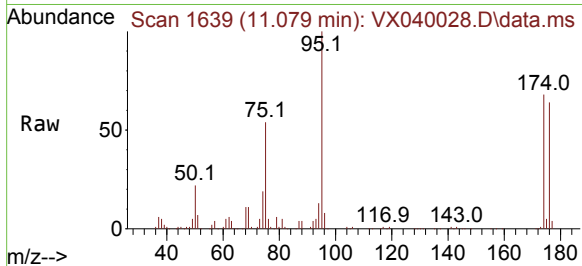




#81
trans-1,4-Dichloro-2-butene
Concen: 78.809 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Instrument :
MSVOA_X
ClientSampleId :
PB158700ZHE#03

Tgt Ion: 75 Resp: 39573
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: 0.210 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX040028.D
Acq: 30 Jan 2024 18:43

Tgt Ion: 180 Resp: 291
Ion Ratio Lower Upper
180 100
182 83.5 48.3 144.8
145 8.6 18.0 54.0#

