

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020524\
 Data File : VX040124.D
 Acq On : 05 Feb 2024 18:21
 Operator : JC/MD
 Sample : P1337-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4

Quant Time: Feb 06 03:04:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

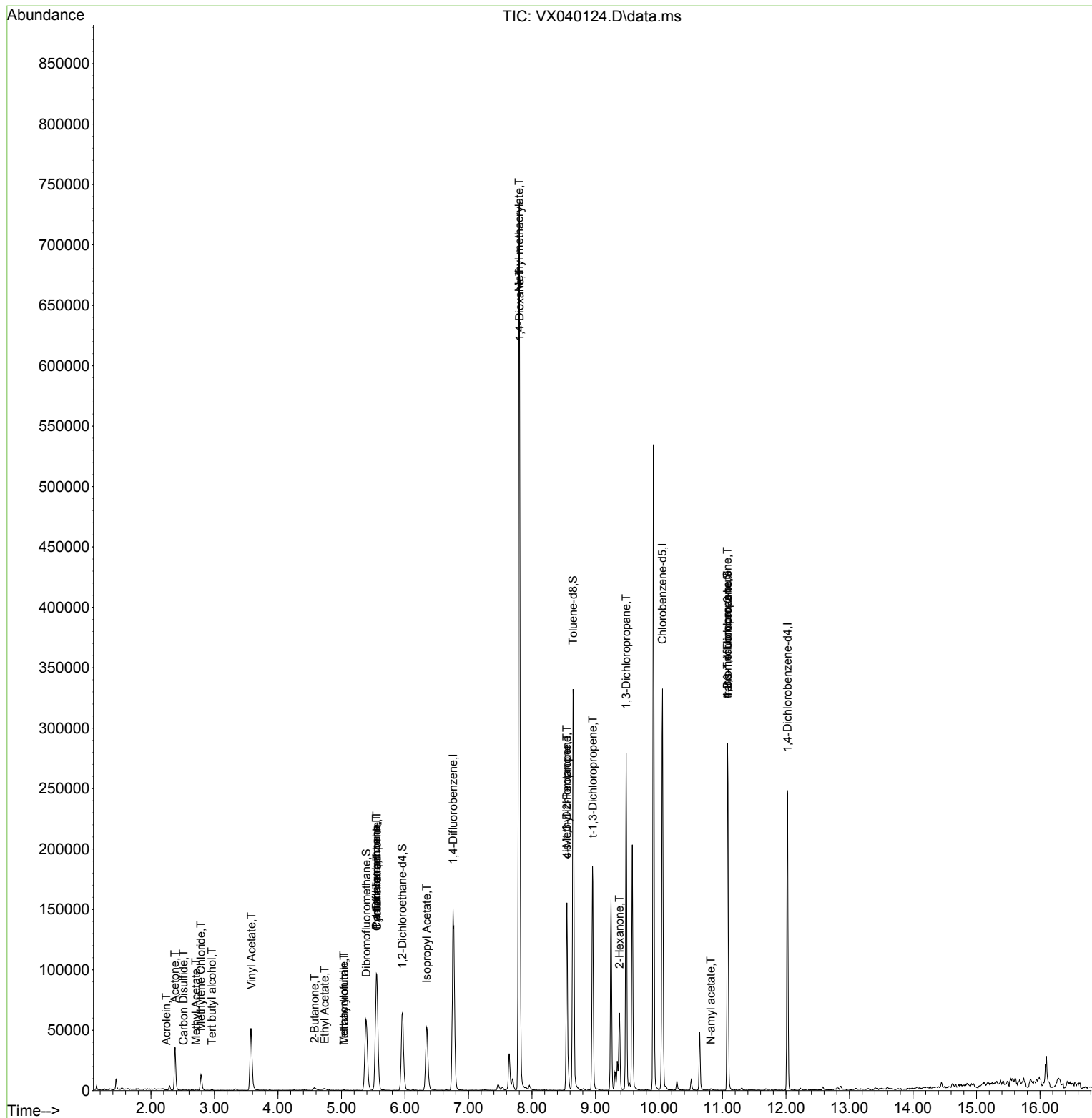
Internal Standards						
1) Pentafluorobenzene	5.550	168	86720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149217	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59360	42.532	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.060%
35) Dibromofluoromethane	5.391	113	49880	49.106	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.220%
50) Toluene-d8	8.647	98	194905	51.308	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.620%
62) 4-Bromofluorobenzene	11.079	95	77605	53.056	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	597	2.357	ug/l #	78
13) Acrolein	2.240	56	185	0.762	ug/l	99
16) Acetone	2.380	43	35618	54.468	ug/l	94
17) Carbon Disulfide	2.514	76	651	0.228	ug/l #	76
18) Methyl Acetate	2.709	43	1066	0.688	ug/l #	89
20) Methylene Chloride	2.788	84	6019	5.179	ug/l	96
23) Vinyl Acetate	3.581	43	850	0.279	ug/l #	73
25) 2-Butanone	4.574	43	4303	4.734	ug/l #	85
29) Tetrahydrofuran	5.044	42	263	0.455	ug/l #	41
31) Cyclohexane	5.556	56	2158	1.234	ug/l #	53
36) 1,1-Dichloropropene	5.550	75	7820	5.323	ug/l #	49
37) Ethyl Acetate	4.733	43	3515	2.191	ug/l #	84
38) Carbon Tetrachloride	5.556	117	9903	7.045	ug/l #	15
41) Methacrylonitrile	5.038	41	195	0.240	ug/l #	29
43) Isopropyl Acetate	6.342	43	72003	28.459	ug/l	99
48) Methyl methacrylate	7.800	41	63914	51.282	ug/l #	49
49) 1,4-Dioxane	7.806	88	57	2.105	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	54999	31.845	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	465	0.297	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	23496	14.058	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	2343	1.289	ug/l #	42
59) 2-Hexanone	9.379	43	50096	36.379	ug/l #	26
74) N-amyl acetate	10.817	43	555	0.601	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	40873	45.270	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	40873	119.698	ug/l #	5
90) Hexachloroethane	12.701	117	23	Below Cal	#	17

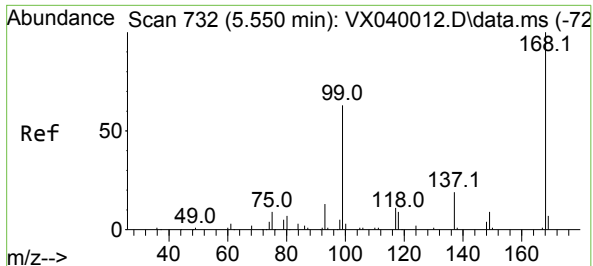
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration

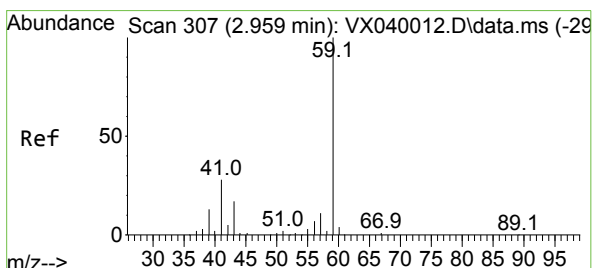
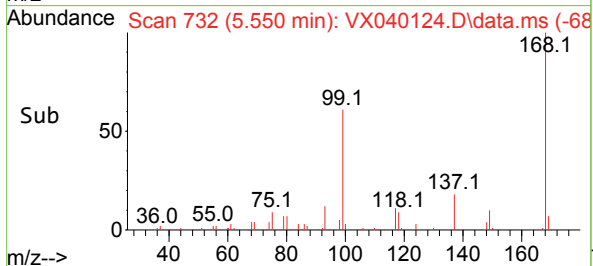
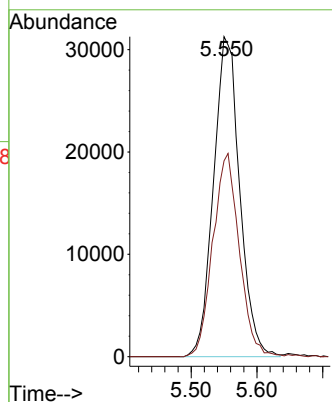
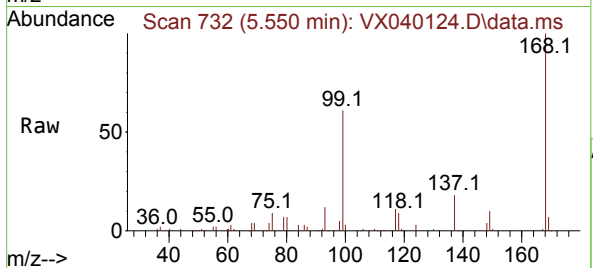




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

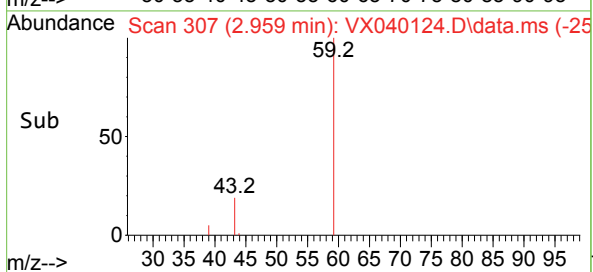
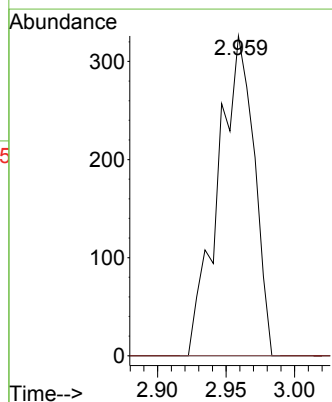
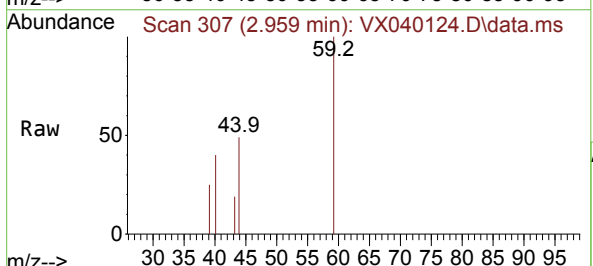
Instrument :
MSVOA_X
ClientSampleId :
TP-4

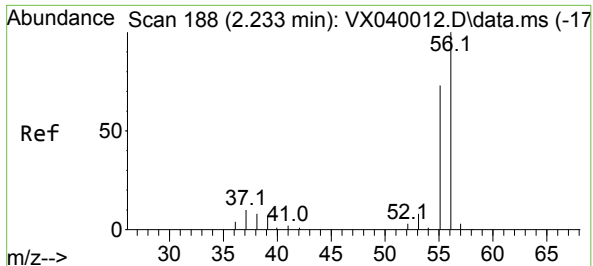
Tgt Ion:168 Resp: 86720
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.357 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 59 Resp: 597
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

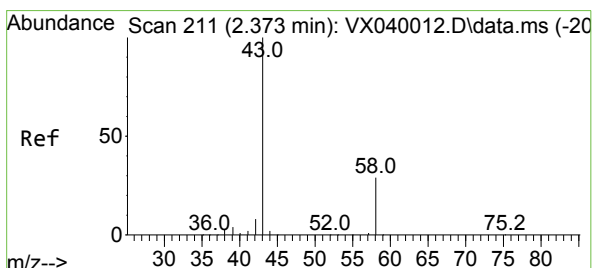
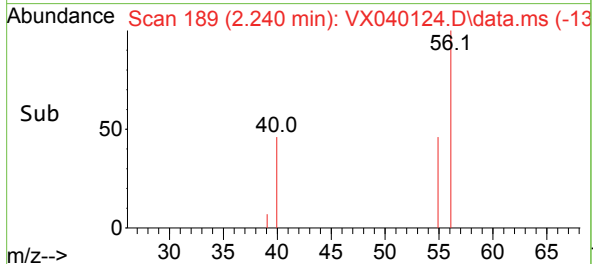
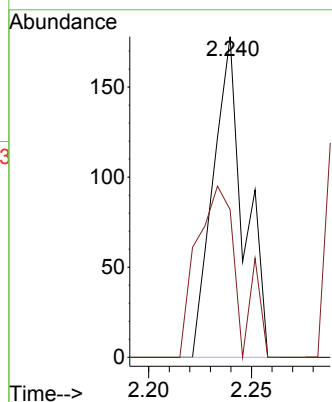
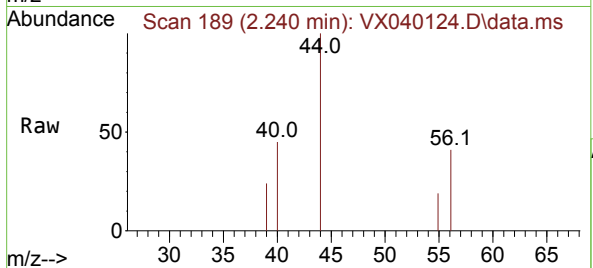




#13
Acrolein
Concen: 0.762 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

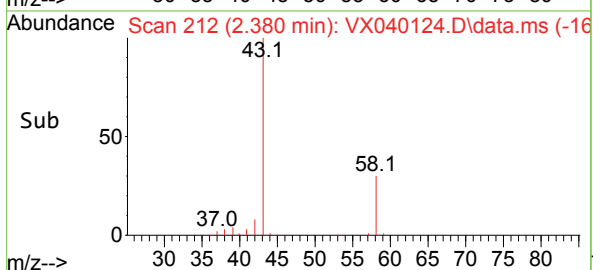
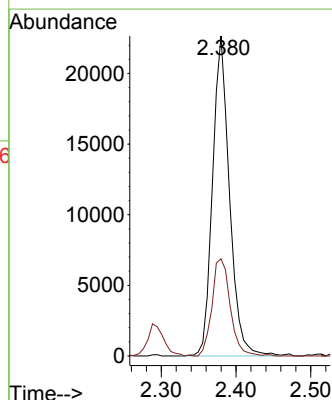
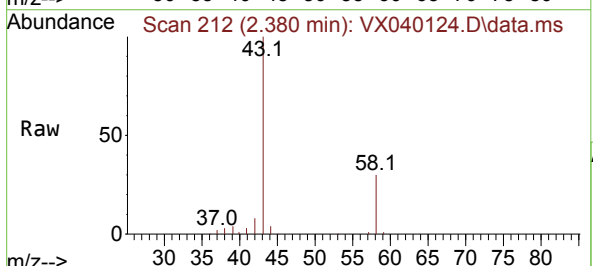
Instrument :
MSVOA_X
ClientSampleId :
TP-4

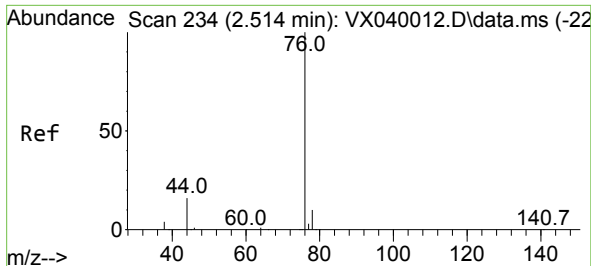
Tgt Ion: 56 Resp: 185
Ion Ratio Lower Upper
56 100
55 72.4 57.1 85.7



#16
Acetone
Concen: 54.468 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 43 Resp: 35618
Ion Ratio Lower Upper
43 100
58 30.4 21.9 32.9





#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040124.D

Acq: 05 Feb 2024 18:21

Instrument :

MSVOA_X

ClientSampleId :

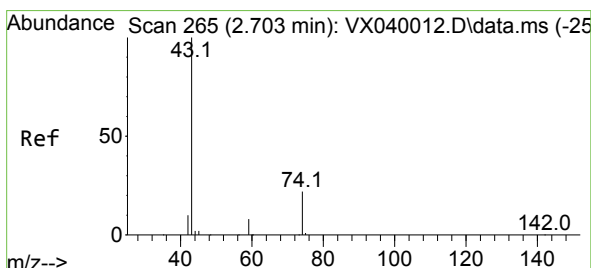
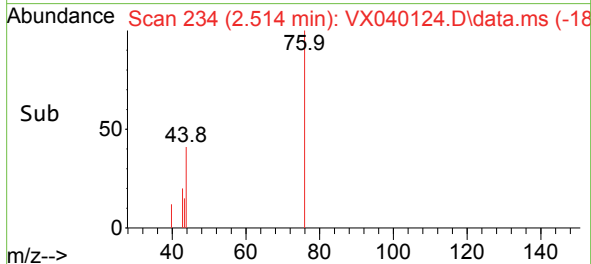
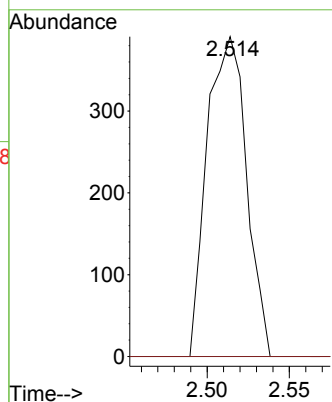
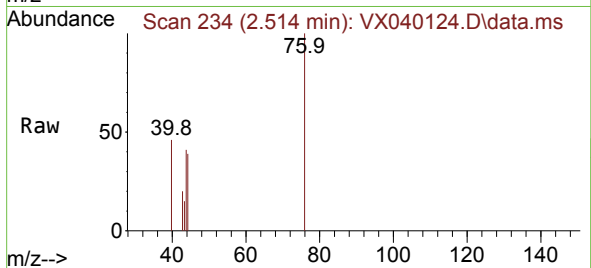
TP-4

Tgt Ion: 76 Resp: 651

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.688 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX040124.D

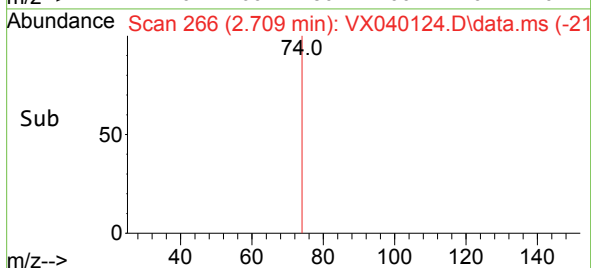
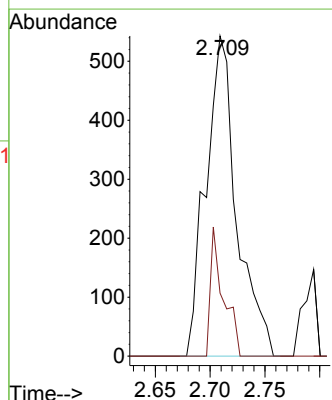
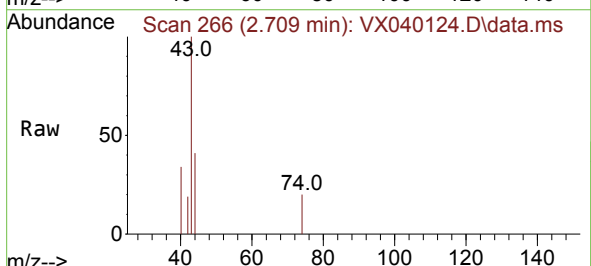
Acq: 05 Feb 2024 18:21

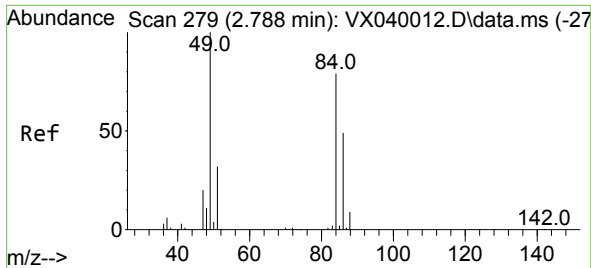
Tgt Ion: 43 Resp: 1066

Ion Ratio Lower Upper

43 100

74 16.8 17.8 26.8#



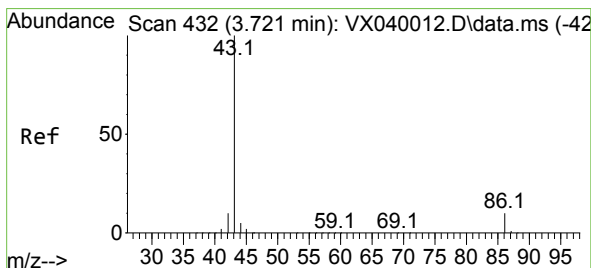
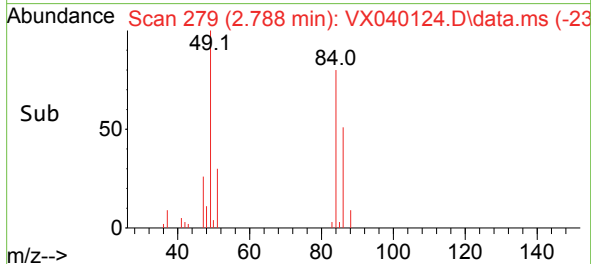
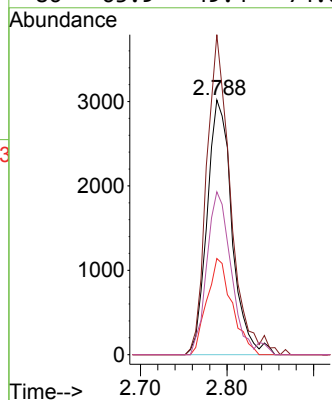
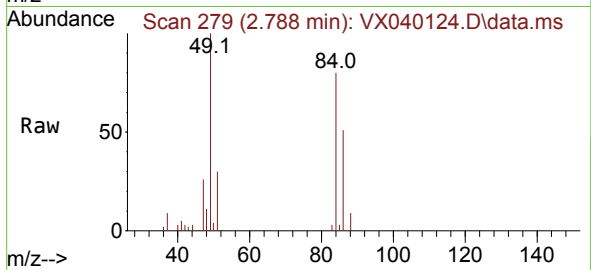


#20
Methylene Chloride
Concen: 5.179 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Instrument :
MSVOA_X
ClientSampleId :
TP-4

Tgt Ion: 84 Resp: 6019

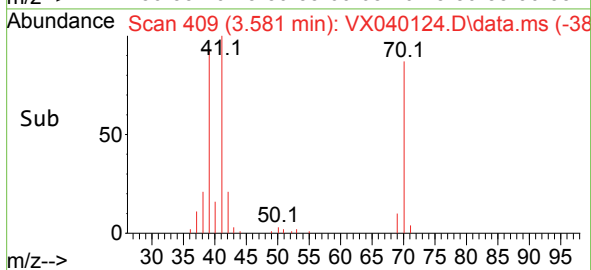
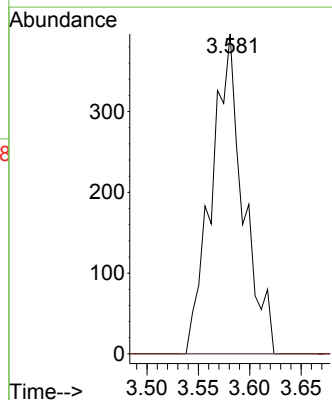
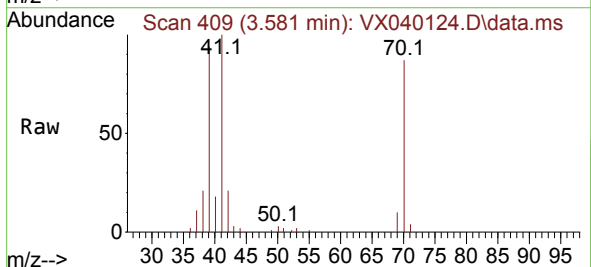
Ion	Ratio	Lower	Upper
84	100		
49	125.6	103.6	155.4
51	37.7	33.8	50.6
86	63.9	49.4	74.0

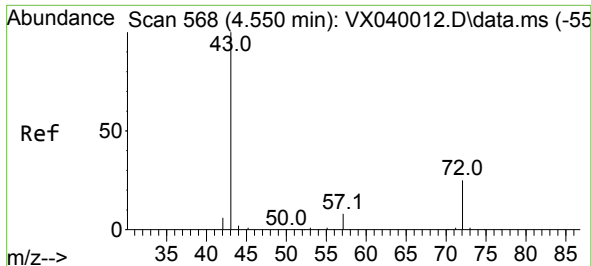


#23
Vinyl Acetate
Concen: 0.279 ug/l
RT: 3.581 min Scan# 409
Delta R.T. -0.140 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 43 Resp: 850

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8

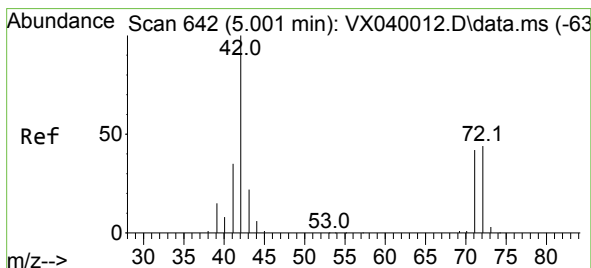
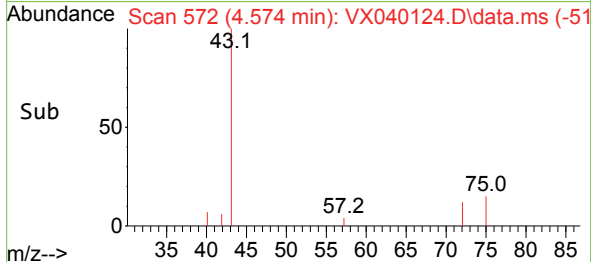
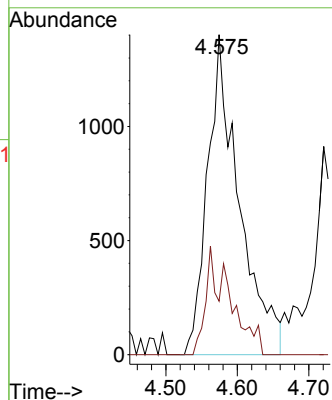
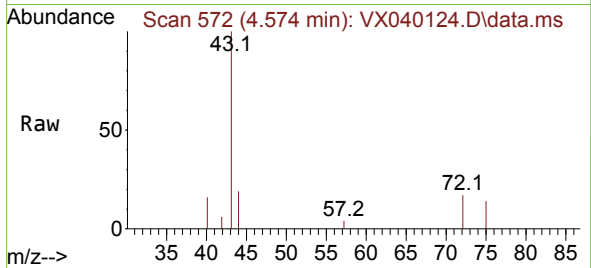




#25
2-Butanone
Concen: 4.734 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

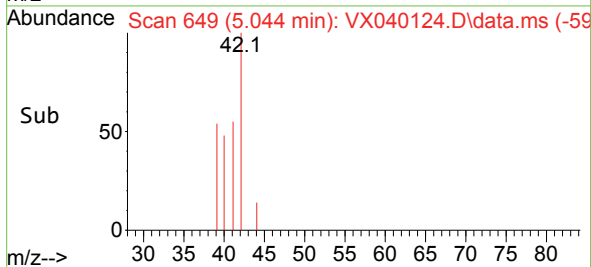
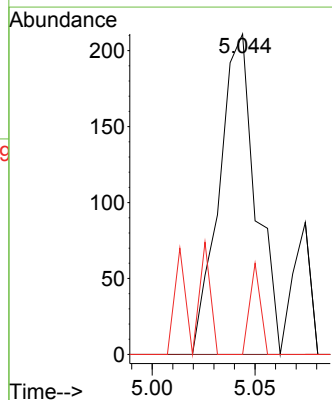
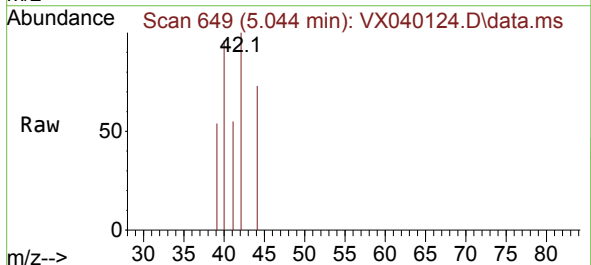
Instrument :
MSVOA_X
ClientSampleId :
TP-4

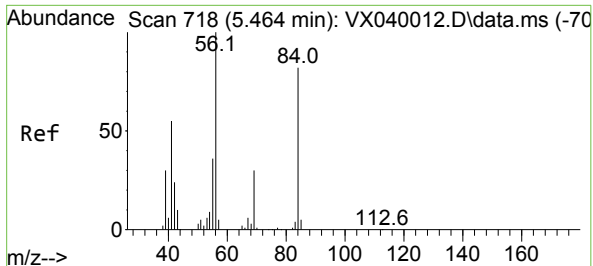
Tgt Ion: 43 Resp: 4303
Ion Ratio Lower Upper
43 100
72 16.7 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.455 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 42 Resp: 263
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 8.4 32.2 48.2#

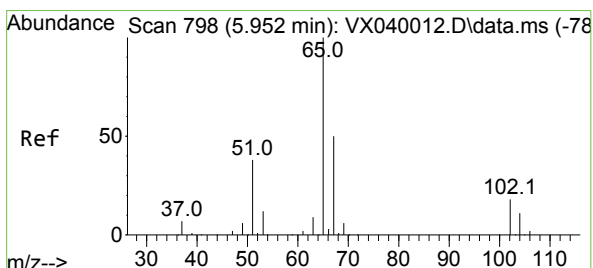
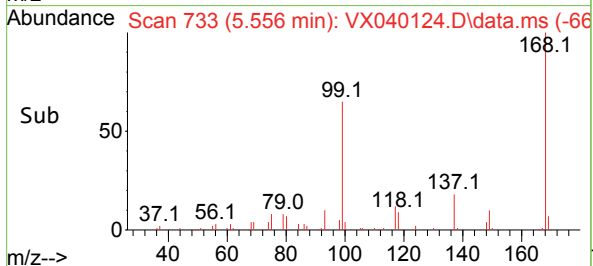
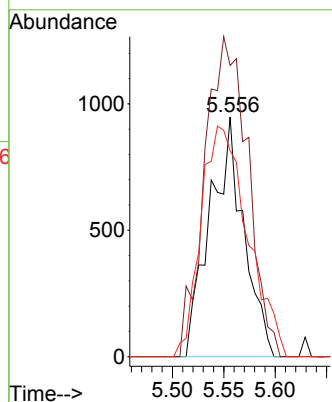
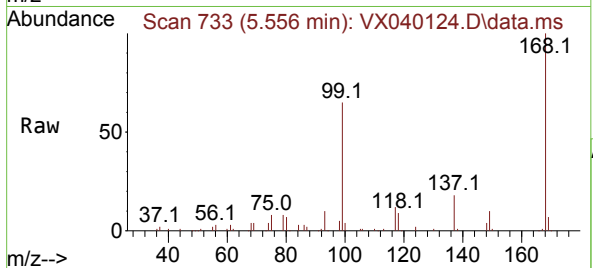




#31
Cyclohexane
Concen: 1.234 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

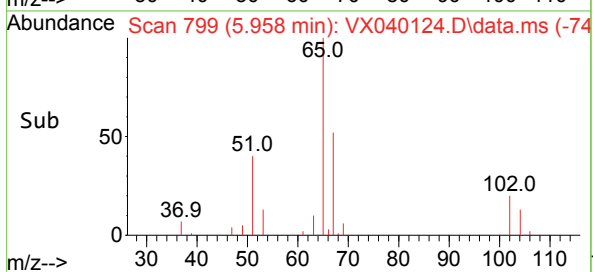
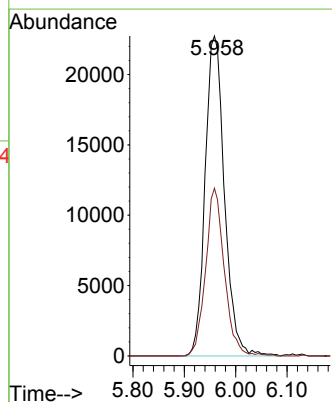
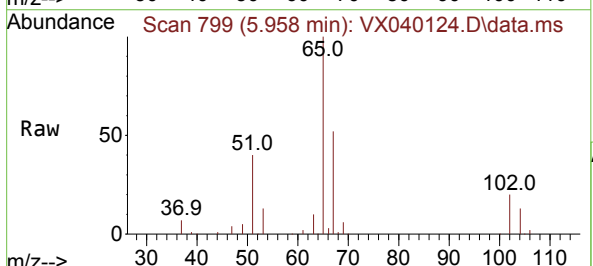
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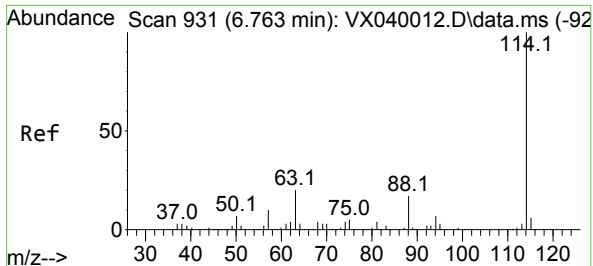
Tgt Ion: 56 Resp: 2158
Ion Ratio Lower Upper
56 100
69 121.5 23.4 35.2#
84 80.3 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 42.532 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 65 Resp: 59360
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2

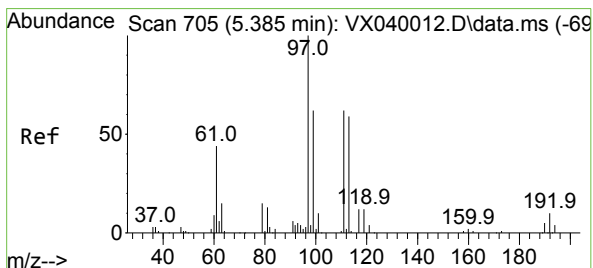
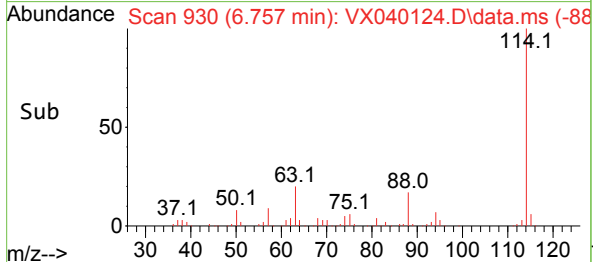
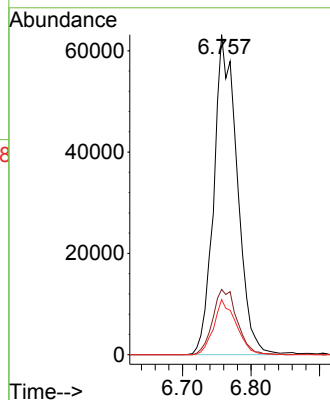
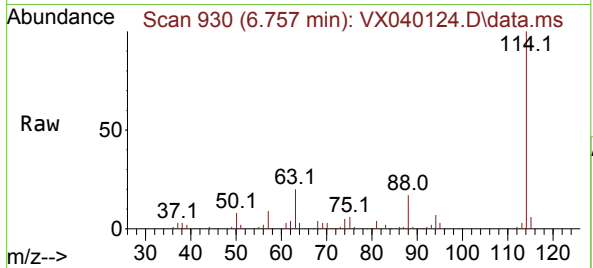




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

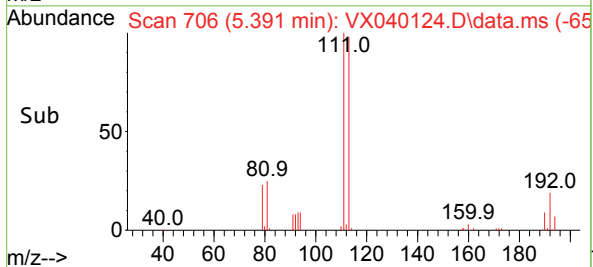
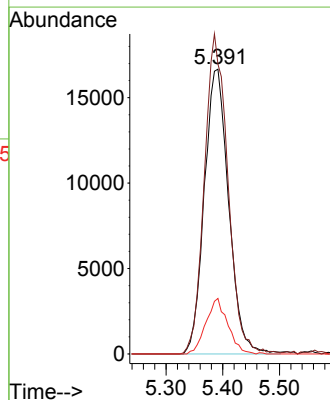
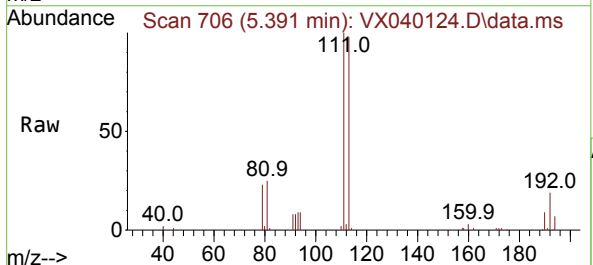
Instrument :
MSVOA_X
ClientSampleId :
TP-4

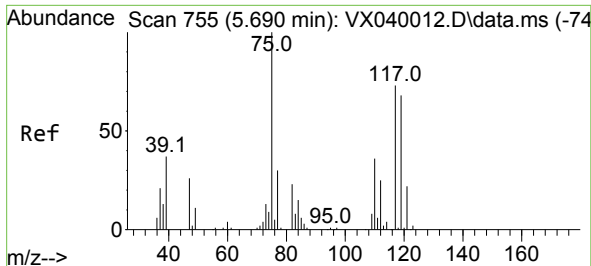
Tgt Ion:114 Resp: 149217
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 17.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.106 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion:113 Resp: 49880
Ion Ratio Lower Upper
113 100
111 108.1 82.9 124.3
192 17.4 13.3 19.9

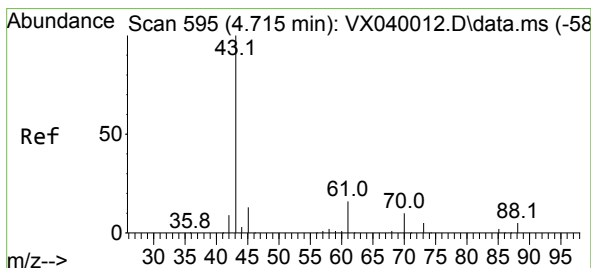
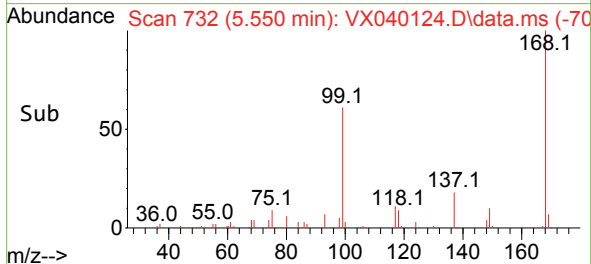
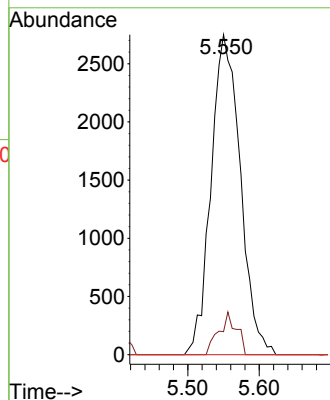
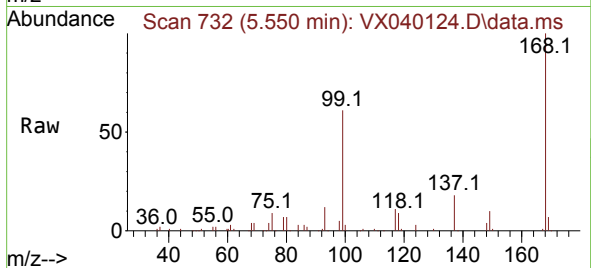




#36
1,1-Dichloropropene
Concen: 5.323 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

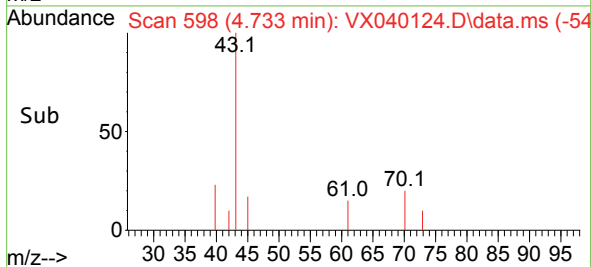
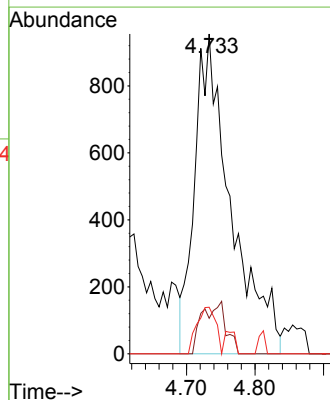
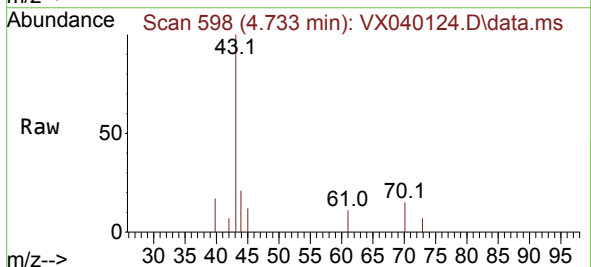
Instrument :
MSVOA_X
ClientSampleId :
TP-4

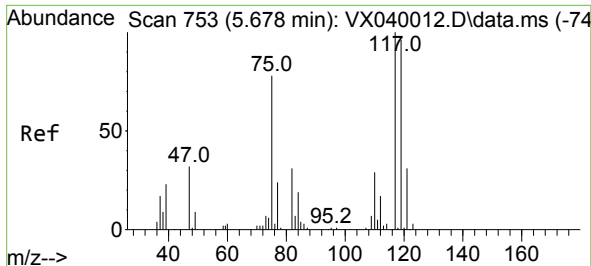
Tgt Ion: 75 Resp: 7820
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.191 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

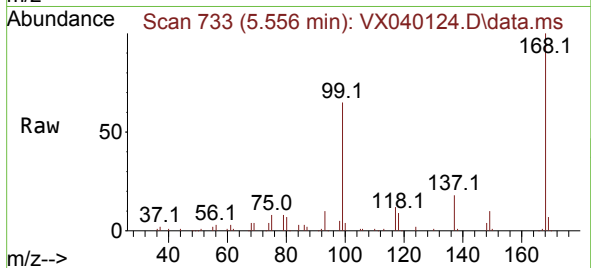
Tgt Ion: 43 Resp: 3515
Ion Ratio Lower Upper
43 100
61 4.6 10.6 16.0#
70 7.6 8.3 12.5#



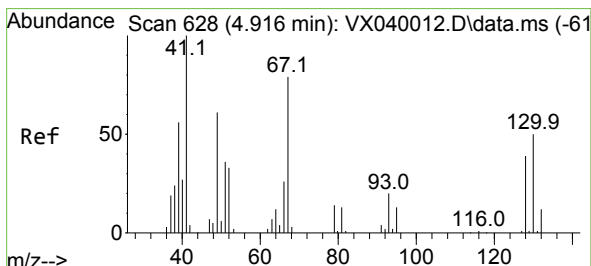
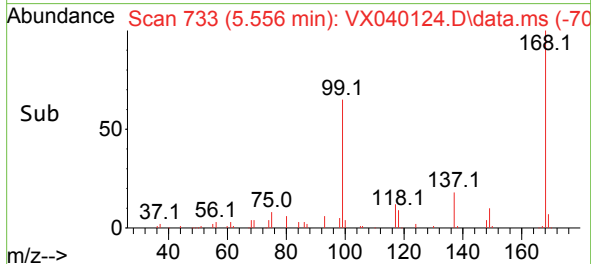
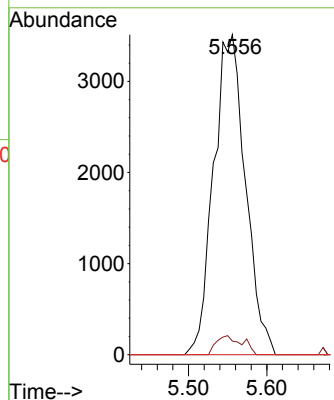


#38
Carbon Tetrachloride
Concen: 7.045 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Instrument :
MSVOA_X
ClientSampleId :
TP-4

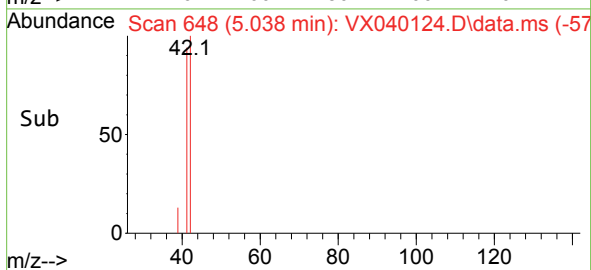
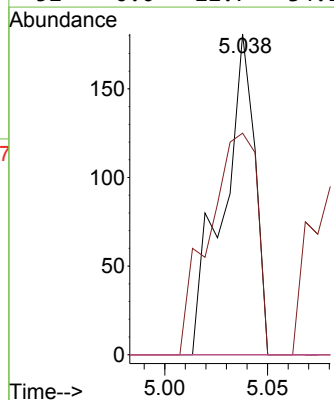
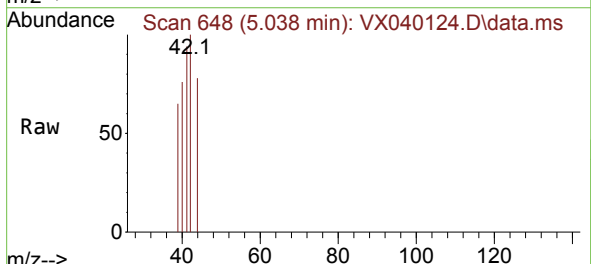


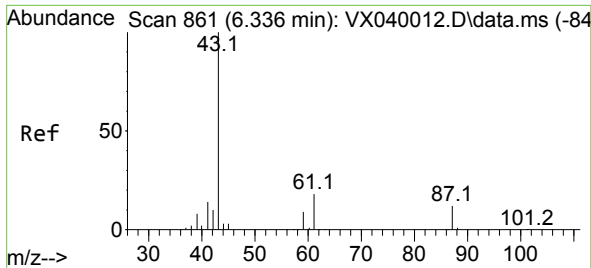
Tgt Ion:117 Resp: 9903
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.240 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.122 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 41 Resp: 195
Ion Ratio Lower Upper
41 100
39 104.6 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

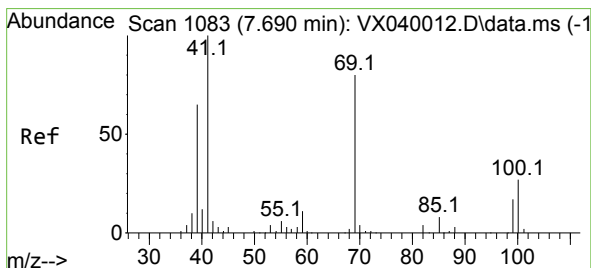
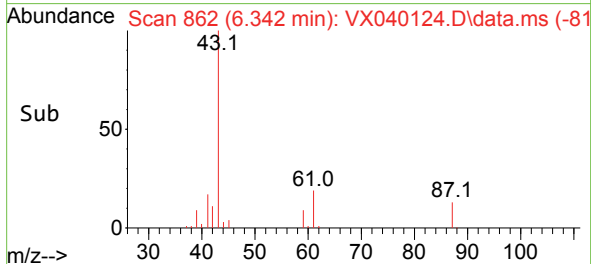
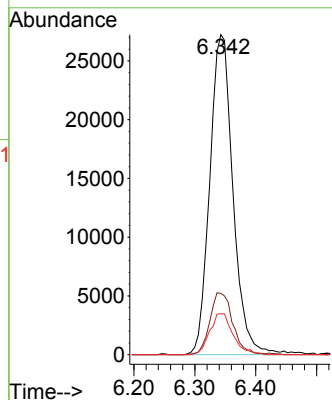
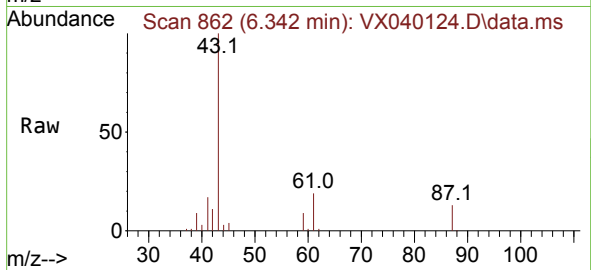




#43
Isopropyl Acetate
Concen: 28.459 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

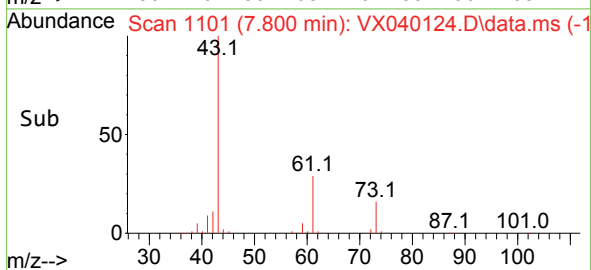
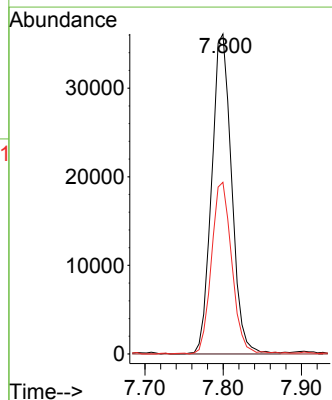
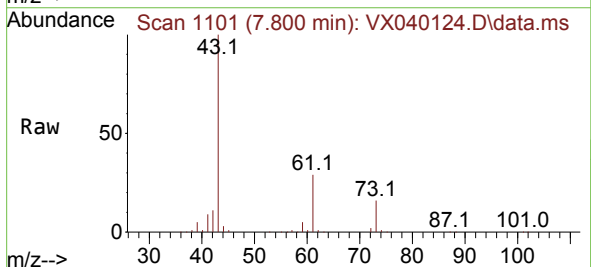
Instrument :
MSVOA_X
ClientSampleId :
TP-4

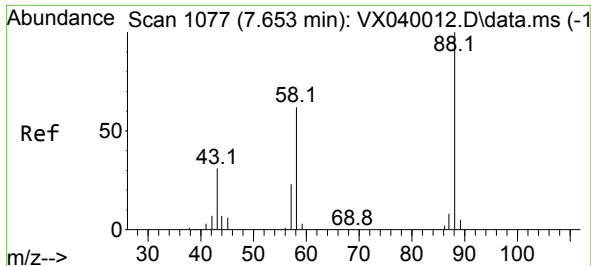
Tgt Ion: 43 Resp: 72003
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.9 9.8 14.6



#48
Methyl methacrylate
Concen: 51.282 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 41 Resp: 63914
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 55.0 47.7 71.5





#49

1,4-Dioxane

Concen: 2.105 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.153 min

Lab File: VX040124.D

Acq: 05 Feb 2024 18:21

Instrument :

MSVOA_X

ClientSampleId :

TP-4

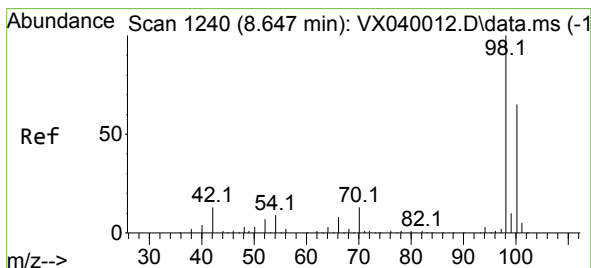
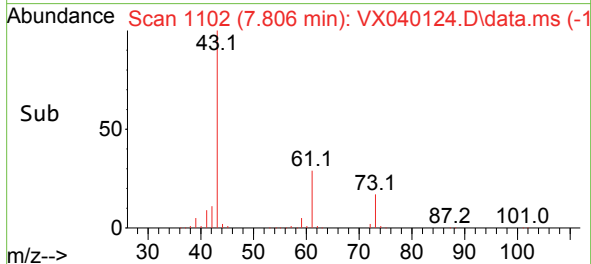
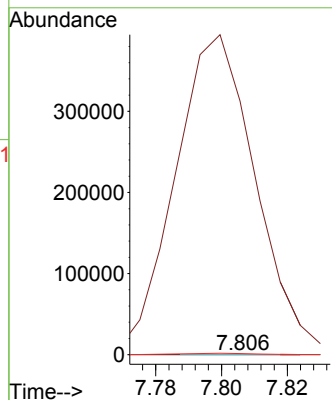
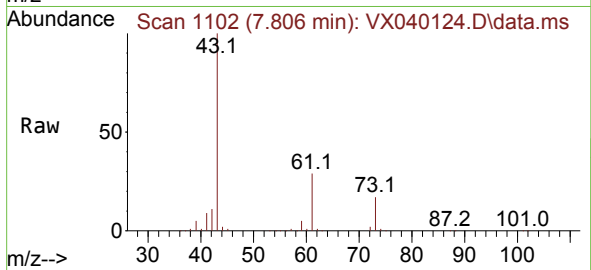
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 1197278.9 0.0 0.0#

58 5224.6 60.1 90.1#



#50

Toluene-d8

Concen: 51.308 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX040124.D

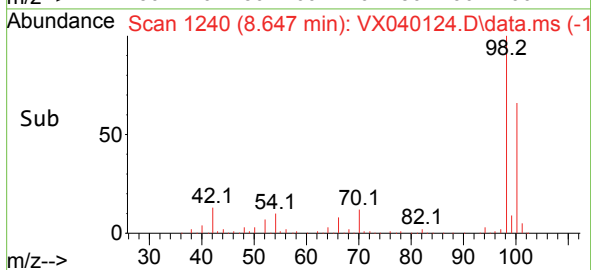
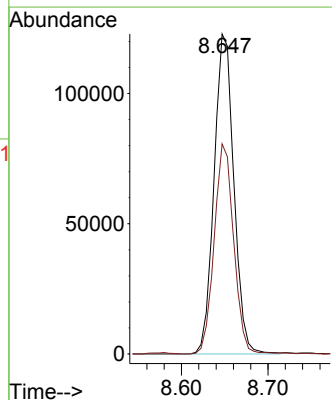
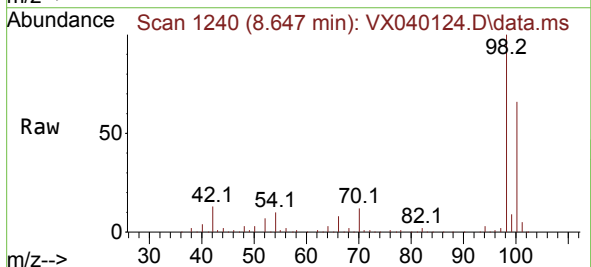
Acq: 05 Feb 2024 18:21

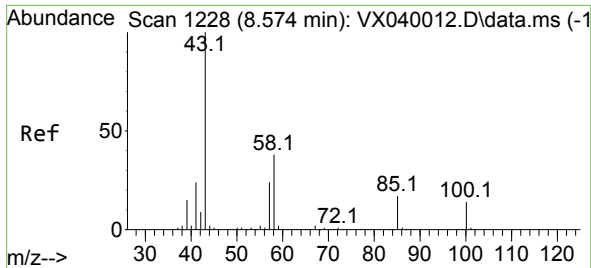
Tgt Ion: 98 Resp: 194905

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7

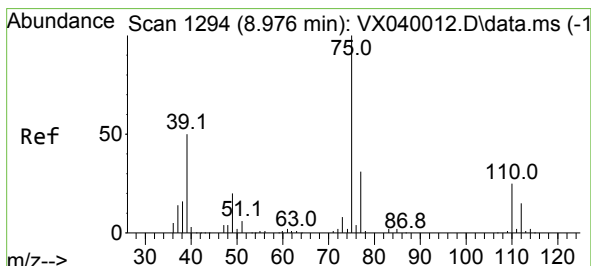
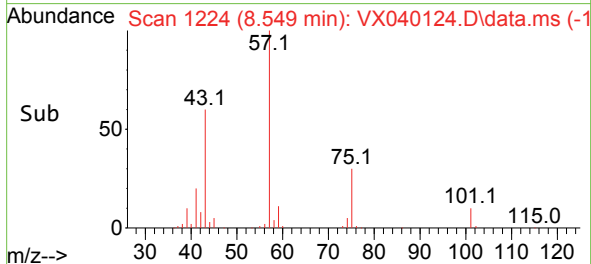
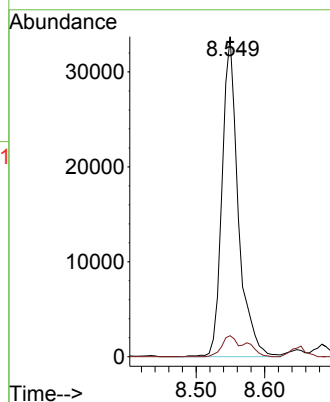
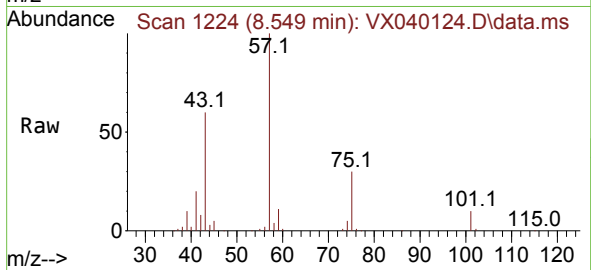




#51
4-Methyl-2-Pentanone
Concen: 31.845 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

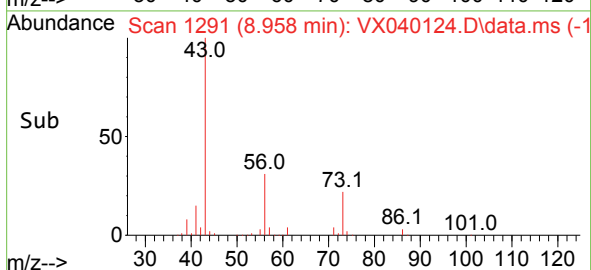
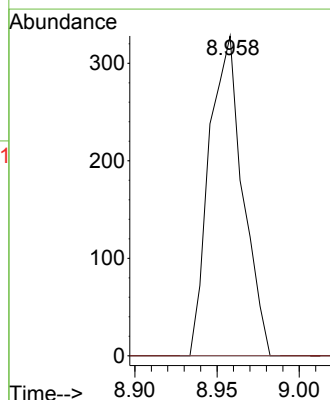
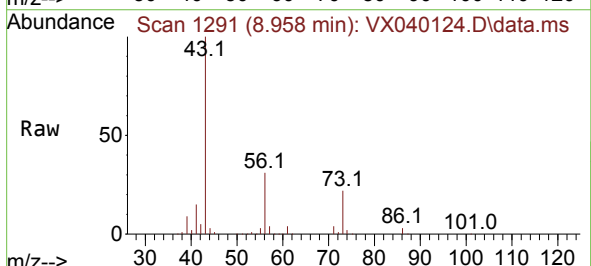
Instrument :
MSVOA_X
ClientSampleId :
TP-4

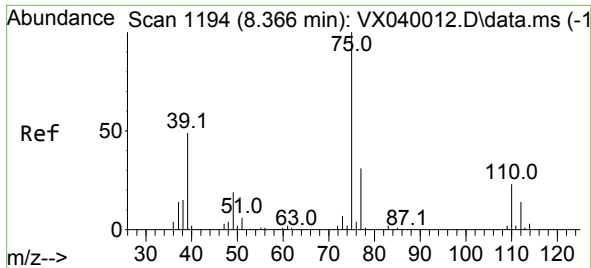
Tgt Ion: 43 Resp: 54999
Ion Ratio Lower Upper
43 100
58 6.8 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.297 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 75 Resp: 465
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

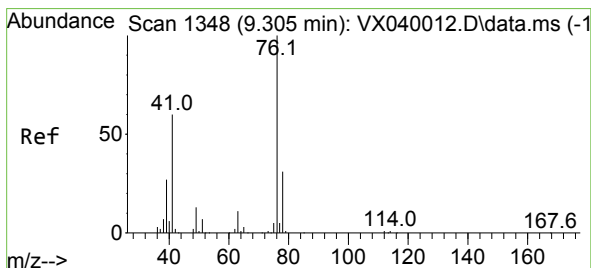
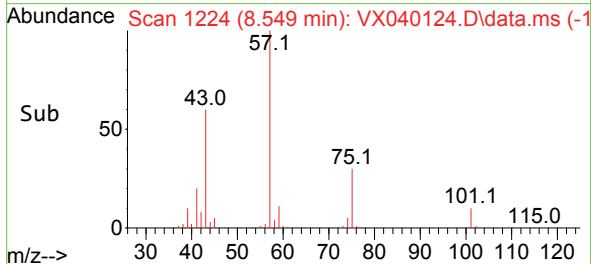
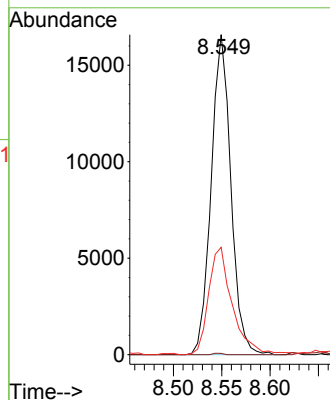
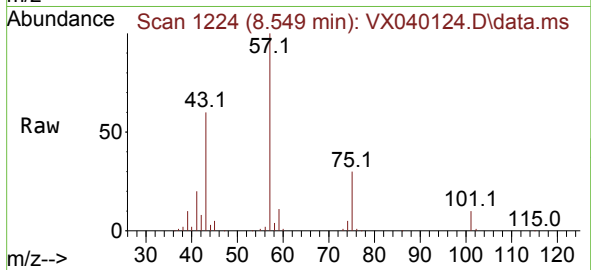




#54
 cis-1,3-Dichloropropene
 Concen: 14.058 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX040124.D
 Acq: 05 Feb 2024 18:21

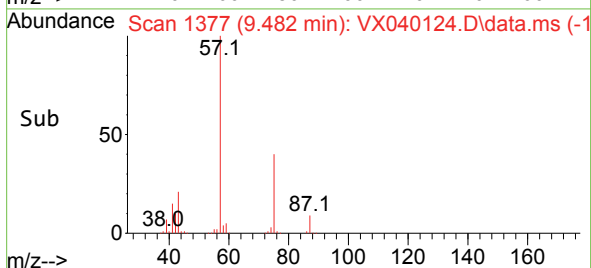
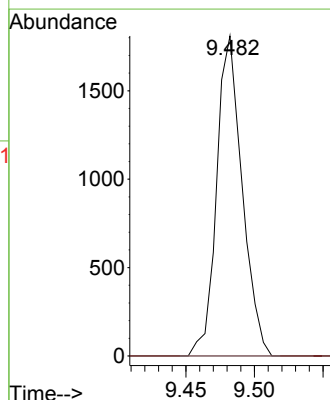
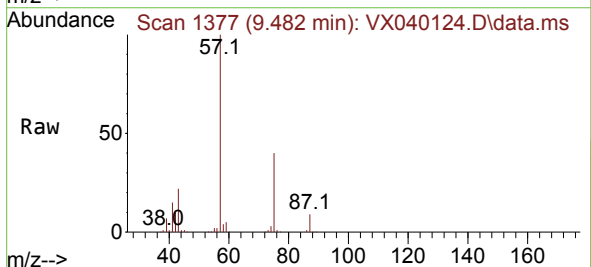
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4

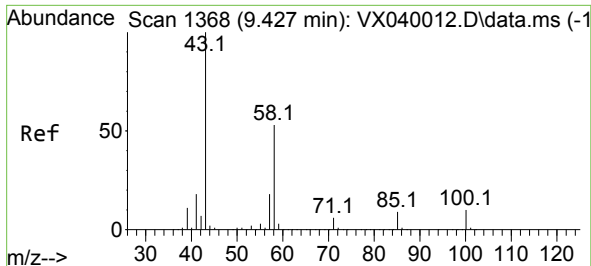
Tgt Ion: 75 Resp: 23496
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 33.6 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.289 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX040124.D
 Acq: 05 Feb 2024 18:21

Tgt Ion: 76 Resp: 2343
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

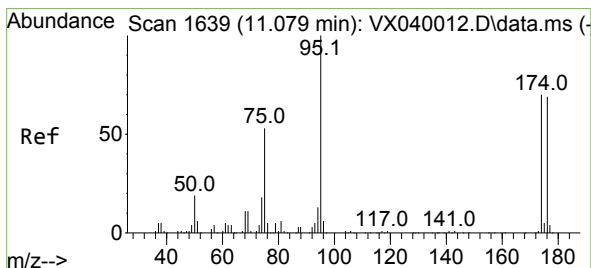
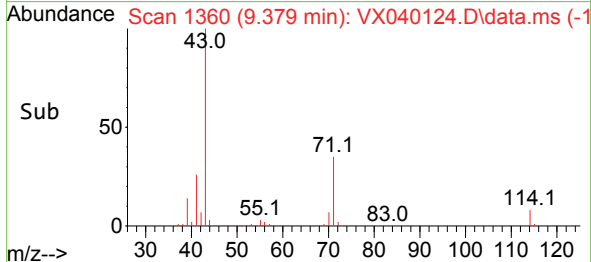
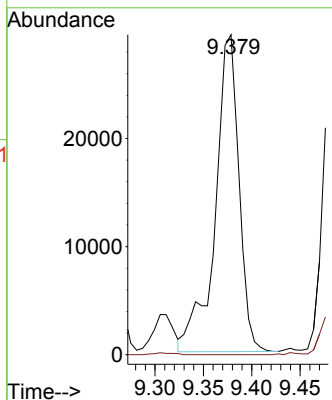
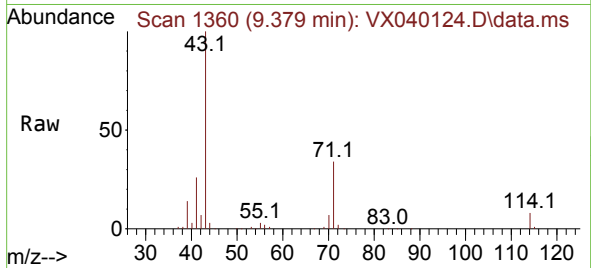




#59
2-Hexanone
Concen: 36.379 ug/l
RT: 9.379 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

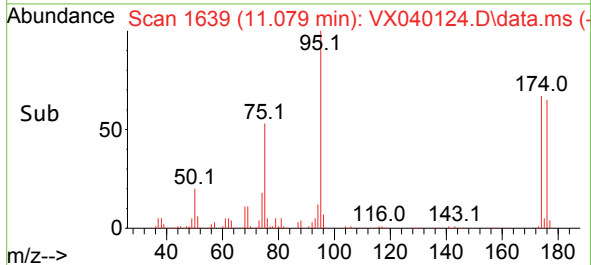
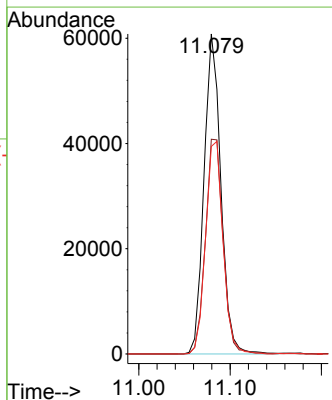
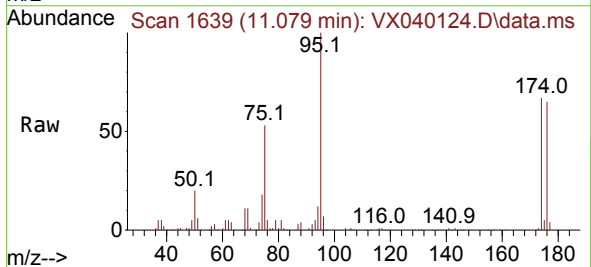
Instrument :
MSVOA_X
ClientSampleId :
TP-4

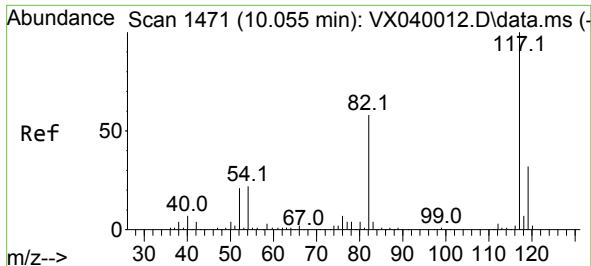
Tgt Ion: 43 Resp: 50096
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 53.056 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 95 Resp: 77605
Ion Ratio Lower Upper
95 100
174 70.5 0.0 135.6
176 68.9 0.0 131.0

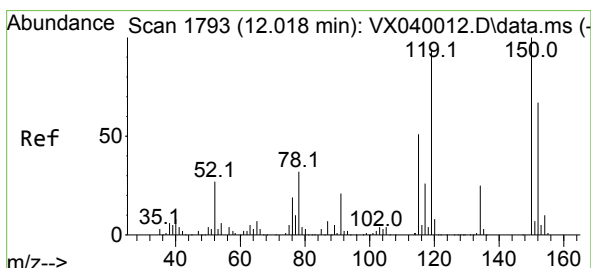
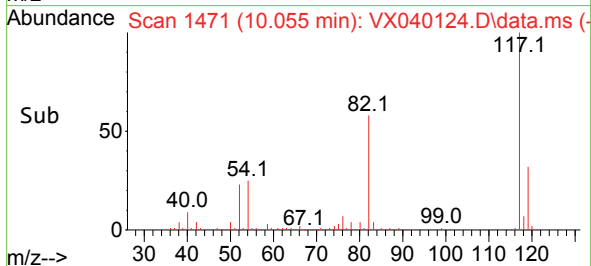
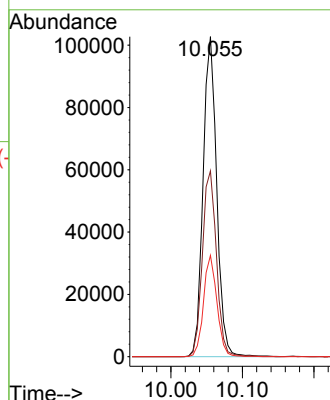
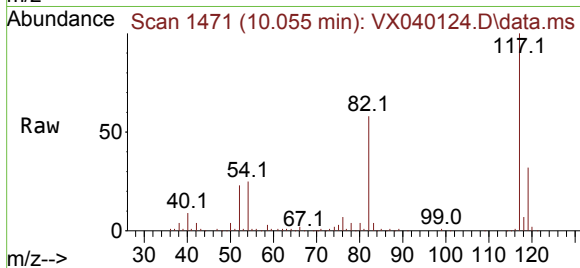




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

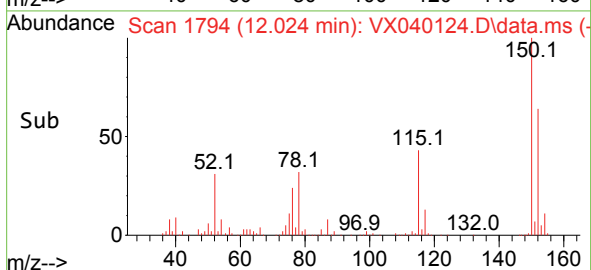
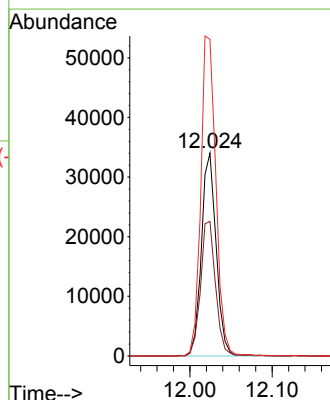
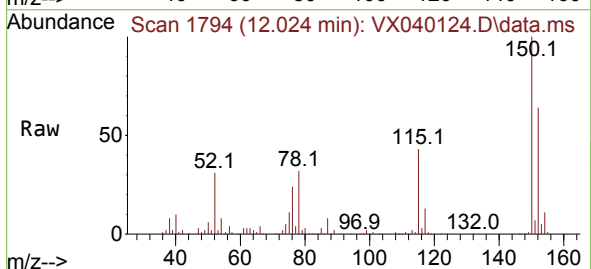
Instrument :
MSVOA_X
ClientSampleId :
TP-4

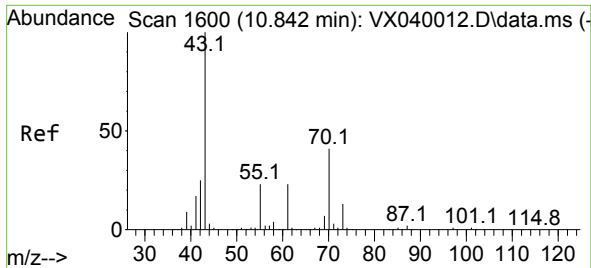
Tgt Ion:117 Resp: 135947
Ion Ratio Lower Upper
117 100
82 58.0 46.2 69.4
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion:152 Resp: 42398
Ion Ratio Lower Upper
152 100
115 67.5 43.3 129.9
150 161.3 0.0 345.0

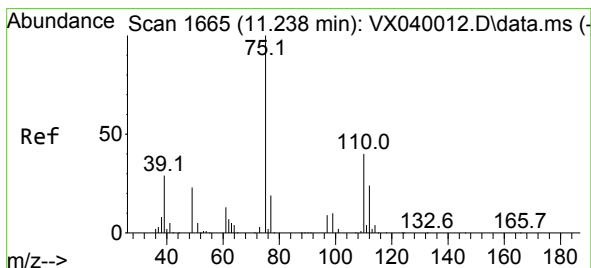
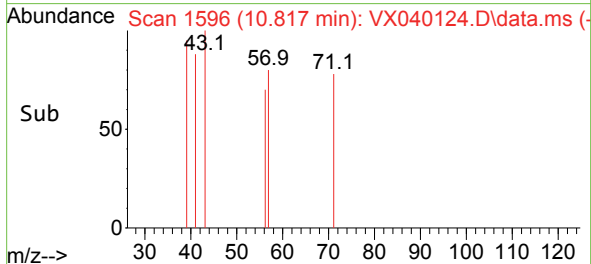
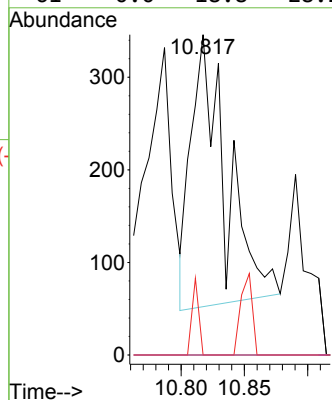
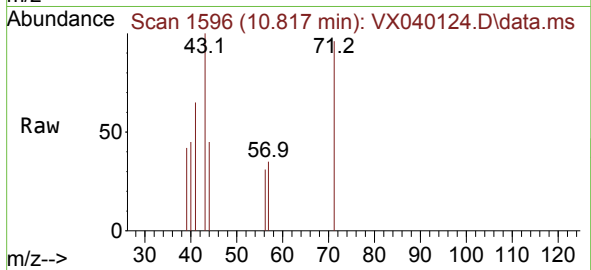




#74
N-amy1 acetate
Concen: 0.601 ug/l
RT: 10.817 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

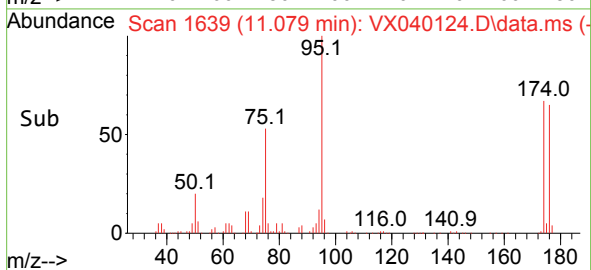
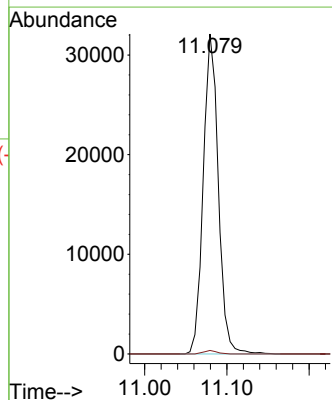
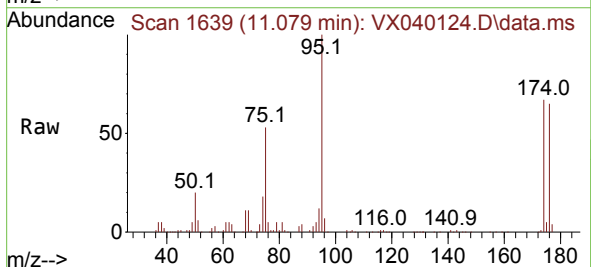
Instrument :
MSVOA_X
ClientSampleId :
TP-4

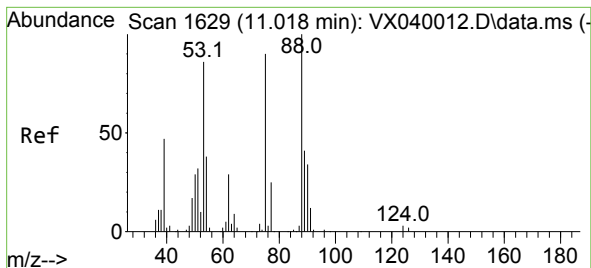
Tgt Ion: 43	Resp: 555
Ion Ratio	Lower Upper
43	100
70	0.0 32.9 49.3#
55	5.4 19.3 28.9#
61	0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 45.270 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 75	Resp: 40873
Ion Ratio	Lower Upper
75	100
77	1.0 19.1 57.5#

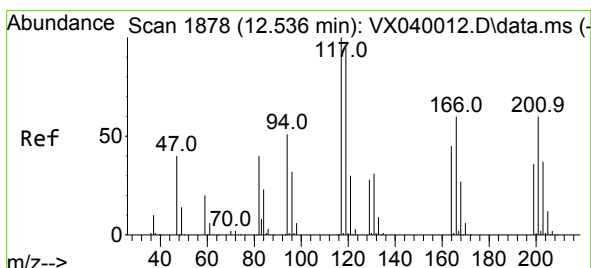
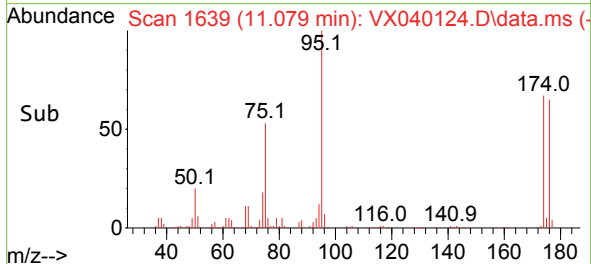
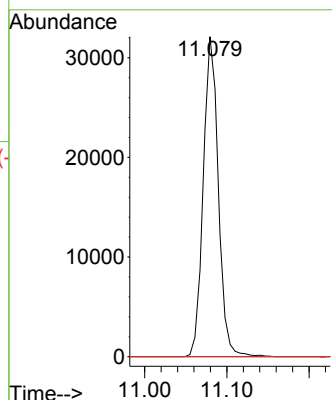
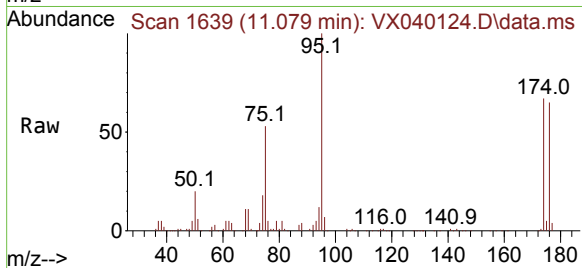




#81
trans-1,4-Dichloro-2-butene
Concen: 119.698 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Instrument :
MSVOA_X
ClientSampleId :
TP-4

Tgt Ion: 75 Resp: 40873
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: Below Cal
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX040124.D
Acq: 05 Feb 2024 18:21

Tgt Ion: 117 Resp: 23
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

