

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030424\
 Data File : VX040570.D
 Acq On : 04 Mar 2024 15:43
 Operator : JC/MD
 Sample : P1669-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6

Quant Time: Mar 05 00:27:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

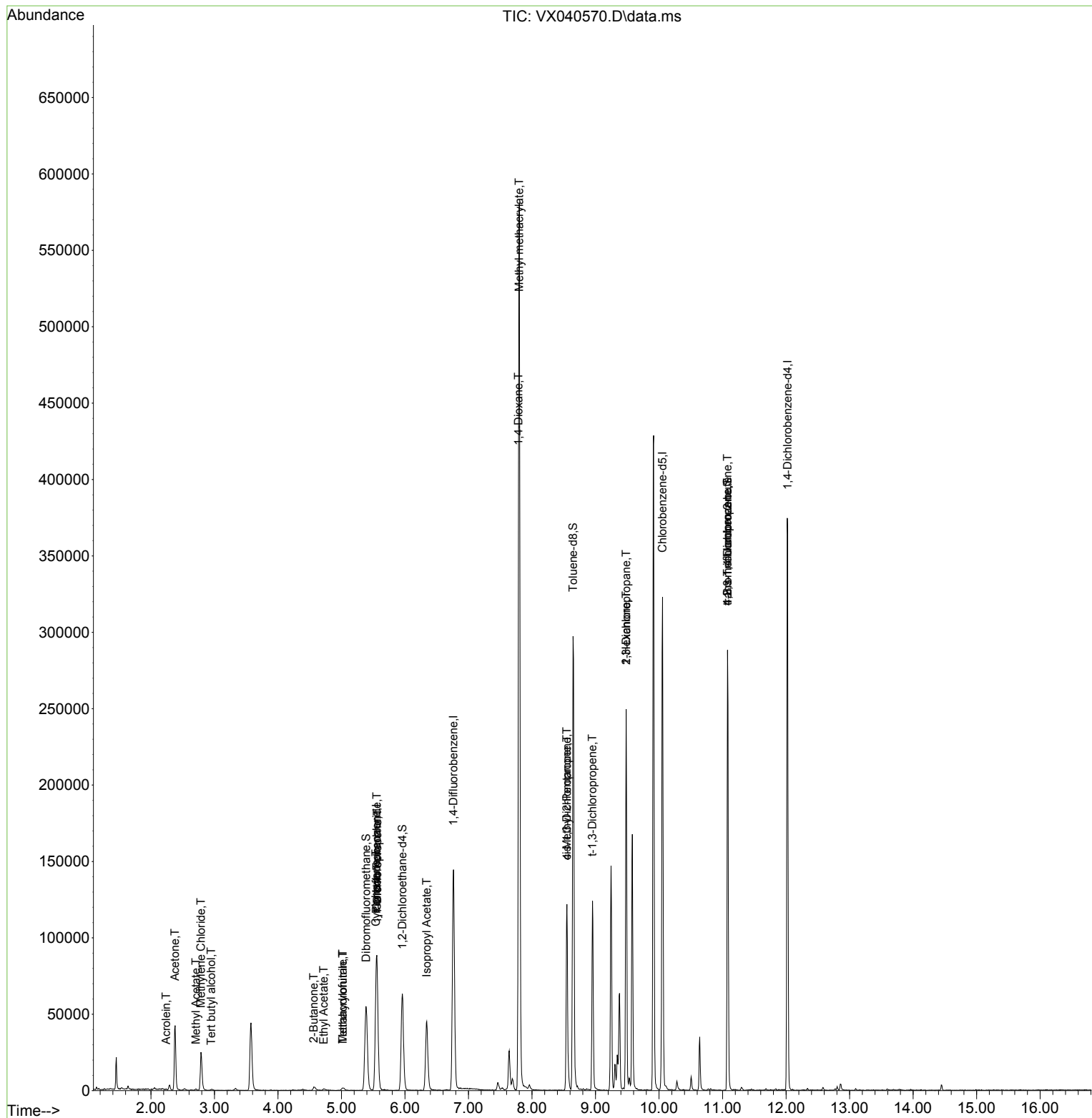
Internal Standards						
1) Pentafluorobenzene	5.549	168	79324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137249	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64747	48.801	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.600%
35) Dibromofluoromethane	5.385	113	46966	49.209	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.420%
50) Toluene-d8	8.646	98	174044	50.238	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.480%
62) 4-Bromofluorobenzene	11.079	95	72325	54.766	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	109.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	937	4.201	ug/l #	85
13) Acrolein	2.239	56	319	2.231	ug/l #	71
16) Acetone	2.379	43	45700	105.623	ug/l	98
18) Methyl Acetate	2.708	43	1123	0.842	ug/l #	77
20) Methylene Chloride	2.788	84	11311	10.924	ug/l #	95
25) 2-Butanone	4.562	43	4495	5.963	ug/l	93
29) Tetrahydrofuran	5.019	42	1634	3.107	ug/l #	87
31) Cyclohexane	5.543	56	2185	1.454	ug/l #	43
36) 1,1-Dichloropropene	5.562	75	7227	4.915	ug/l #	52
37) Ethyl Acetate	4.720	43	2280	1.417	ug/l #	81
38) Carbon Tetrachloride	5.556	117	8763	6.169	ug/l #	14
41) Methacrylonitrile	5.019	41	928	1.032	ug/l #	48
43) Isopropyl Acetate	6.342	43	62441	24.728	ug/l	97
48) Methyl methacrylate	7.799	41	55689	44.123	ug/l #	50
49) 1,4-Dioxane	7.787	88	32	1.340	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	46537	27.874	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	330	0.211	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	17623	10.474	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	1984	1.123	ug/l #	42
59) 2-Hexanone	9.482	43	31267	24.359	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	41959	25.756	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	41959	75.029	ug/l #	5

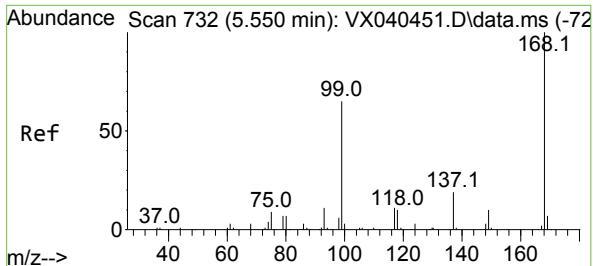
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 27 05:01:33 2024
Response via : Initial Calibration

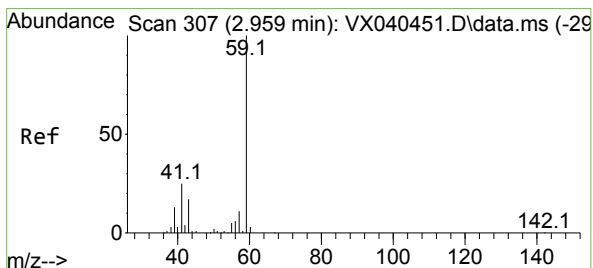
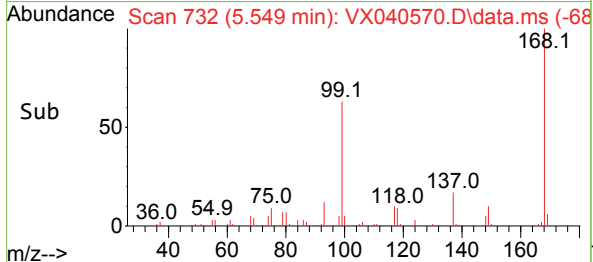
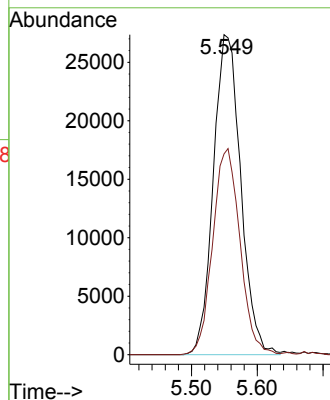
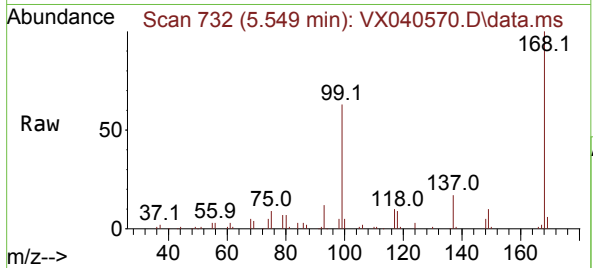




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

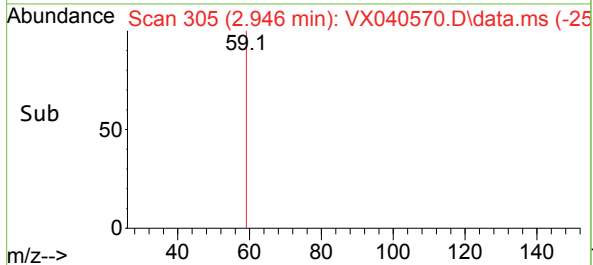
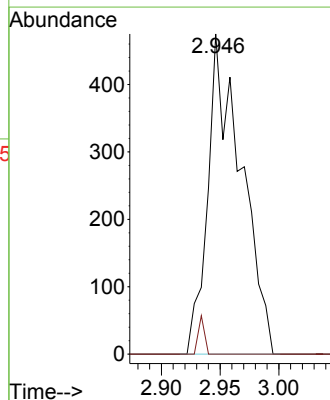
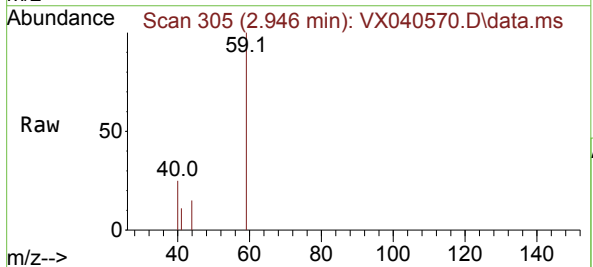
Instrument :
MSVOA_X
ClientSampleId :
TP-6

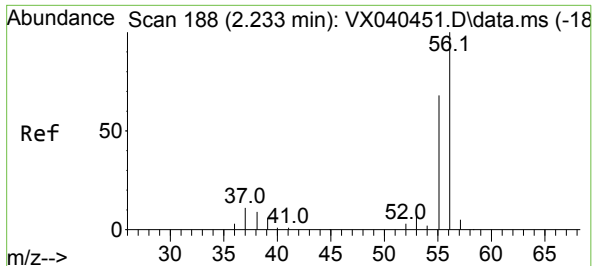
Tgt Ion:168 Resp: 79324
Ion Ratio Lower Upper
168 100
99 62.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 4.201 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.013 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 59 Resp: 937
Ion Ratio Lower Upper
59 100
57 2.2 6.0 9.0#

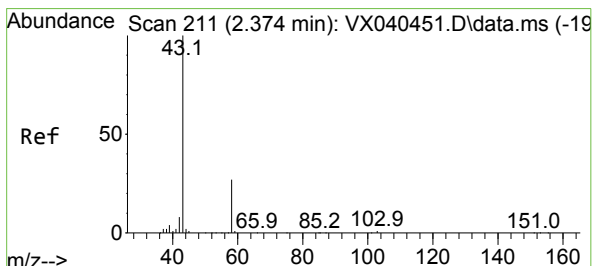
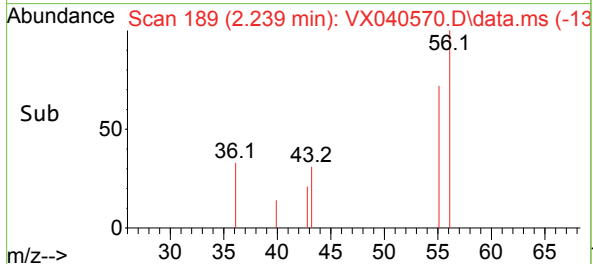
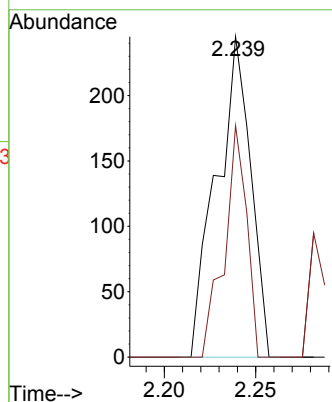
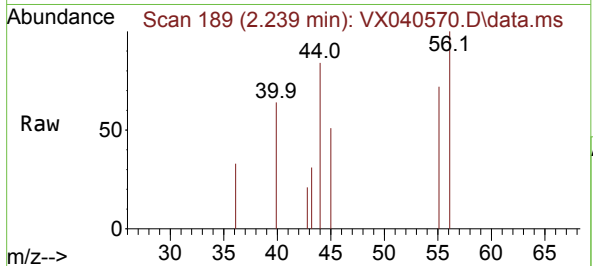




#13
Acrolein
Concen: 2.231 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

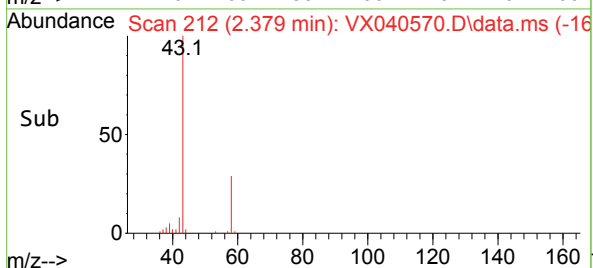
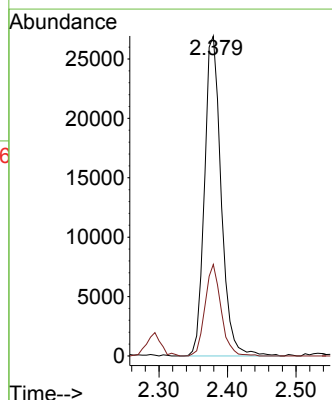
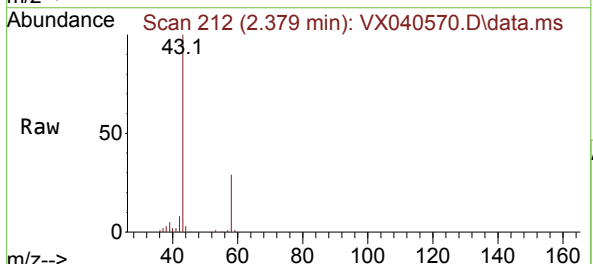
Instrument :
MSVOA_X
ClientSampleId :
TP-6

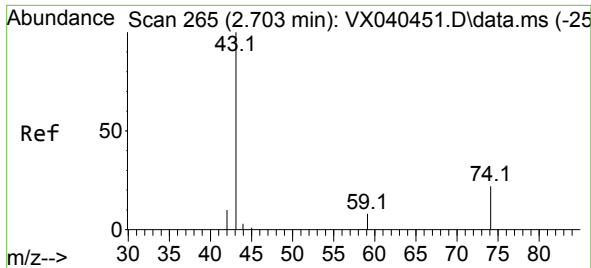
Tgt Ion: 56 Resp: 319
Ion Ratio Lower Upper
56 100
55 47.0 57.1 85.7#



#16
Acetone
Concen: 105.623 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 43 Resp: 45700
Ion Ratio Lower Upper
43 100
58 28.6 21.9 32.9

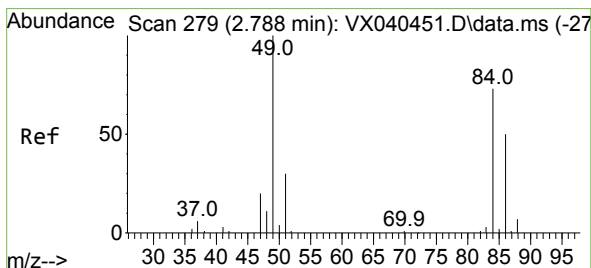
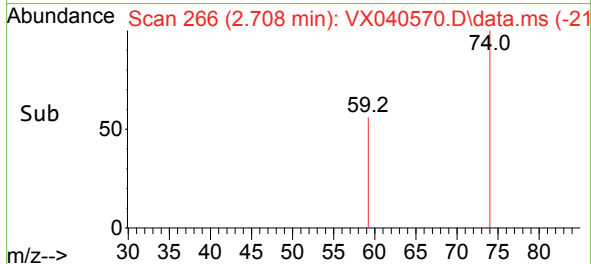
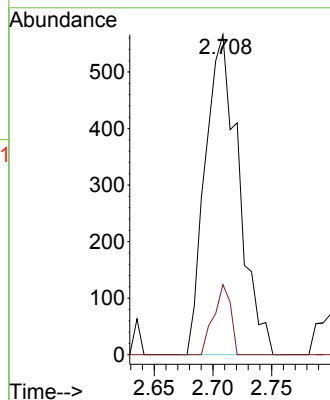
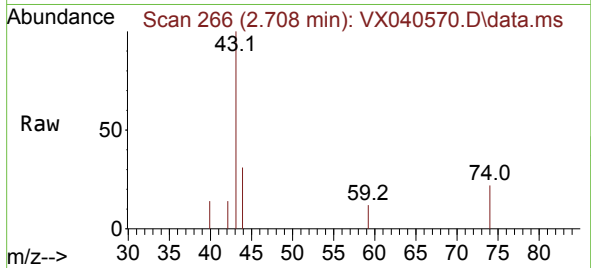




#18
Methyl Acetate
Concen: 0.842 ug/l
RT: 2.708 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

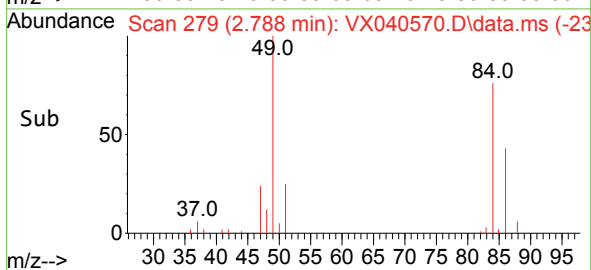
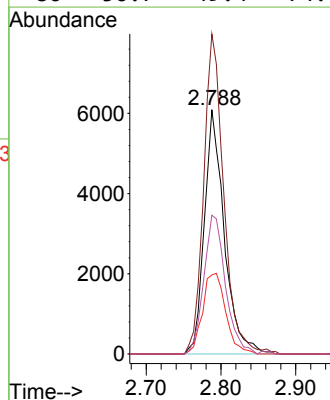
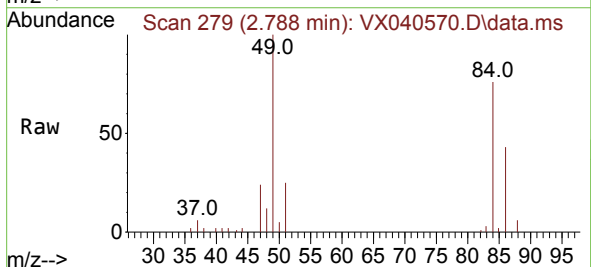
Instrument :
MSVOA_X
ClientSampleId :
TP-6

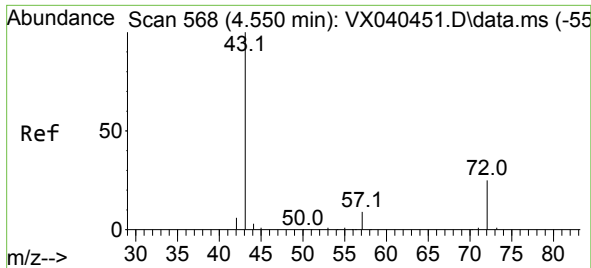
Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
74 11.1 17.8 26.8#



#20
Methylene Chloride
Concen: 10.924 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 84 Resp: 11311
Ion Ratio Lower Upper
84 100
49 130.9 103.6 155.4
51 32.3 33.8 50.6#
86 56.7 49.4 74.0

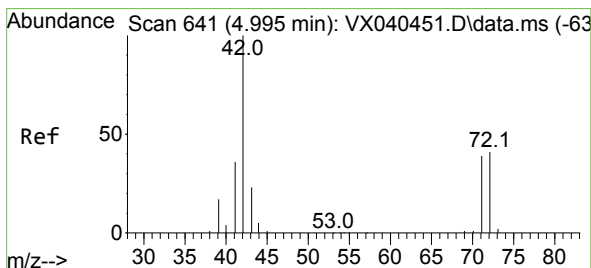
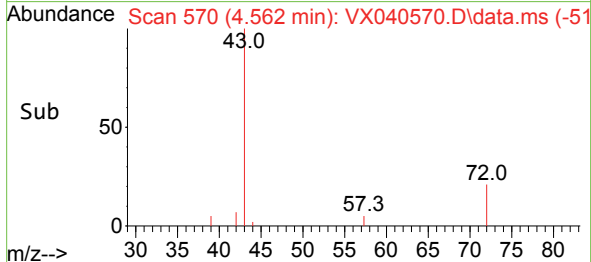
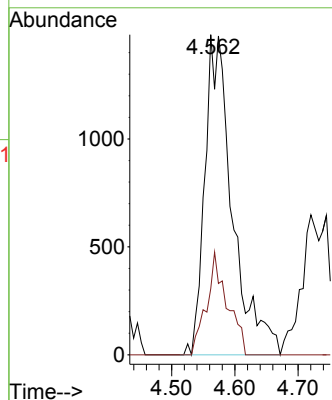
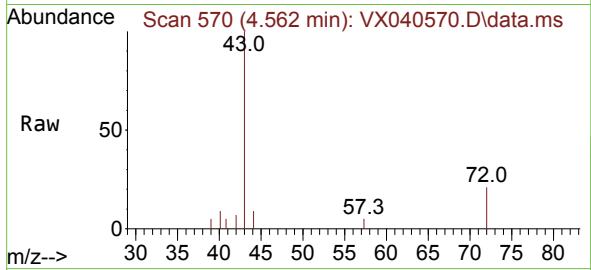




#25
2-Butanone
Concen: 5.963 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

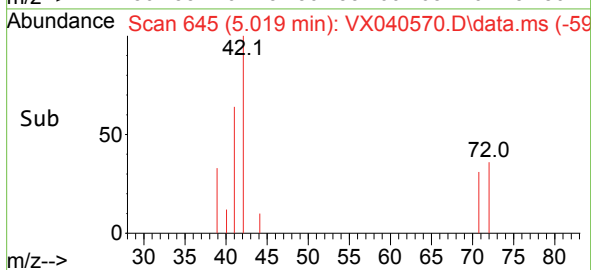
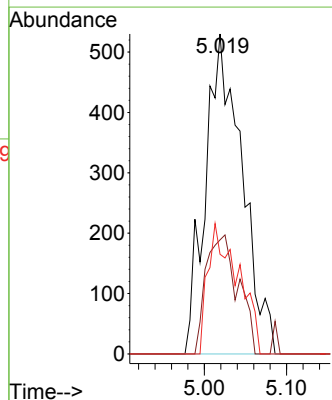
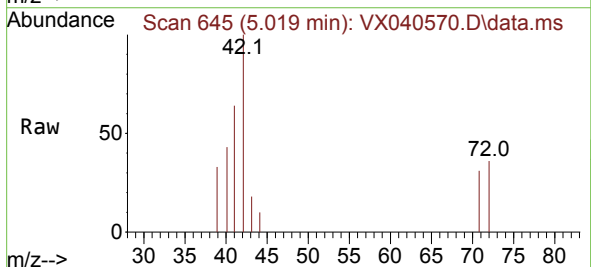
Instrument :
MSVOA_X
ClientSampleId :
TP-6

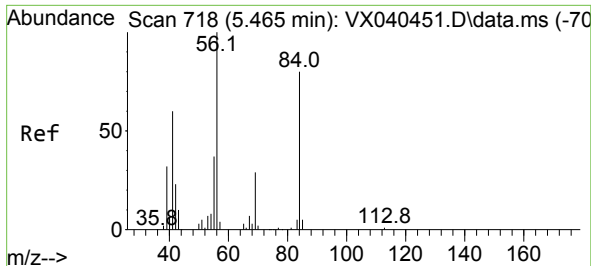
Tgt Ion: 43 Resp: 4495
Ion Ratio Lower Upper
43 100
72 20.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 3.107 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.024 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 42 Resp: 1634
Ion Ratio Lower Upper
42 100
72 32.7 34.2 51.4#
71 33.7 32.2 48.2

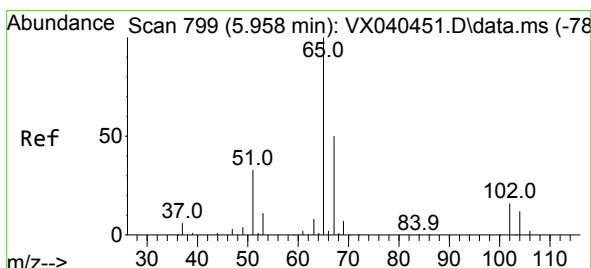
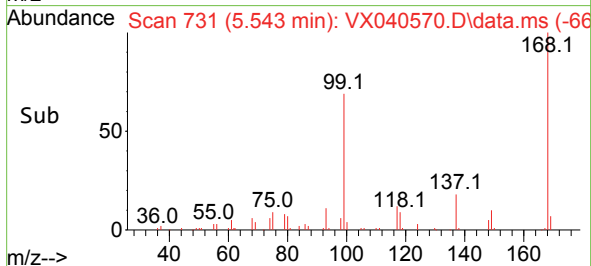
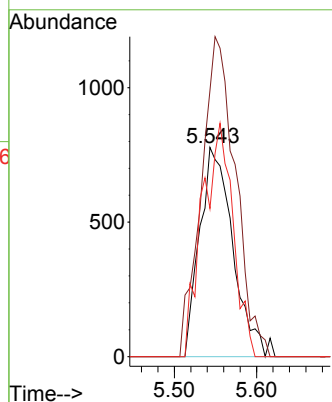
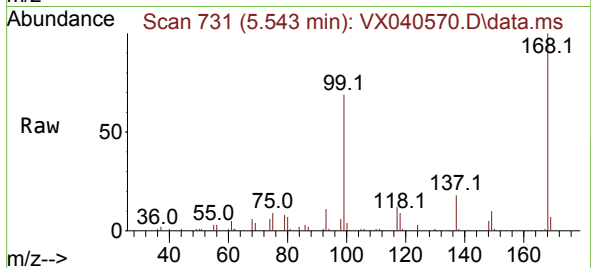




#31
Cyclohexane
Concen: 1.454 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

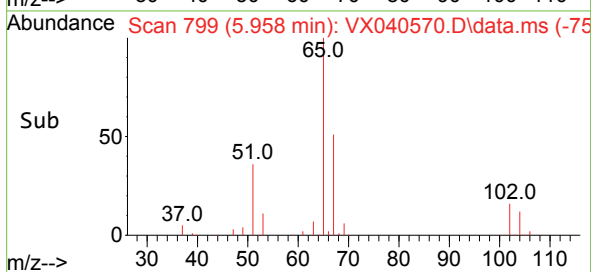
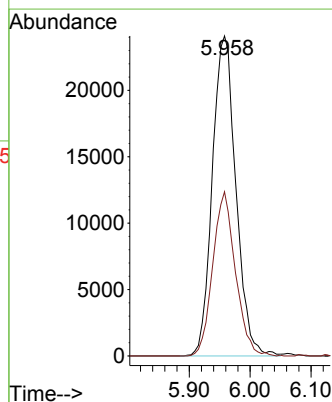
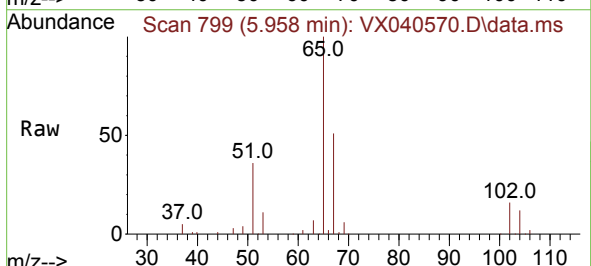
Instrument :
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ClientSampleId :
TP-6

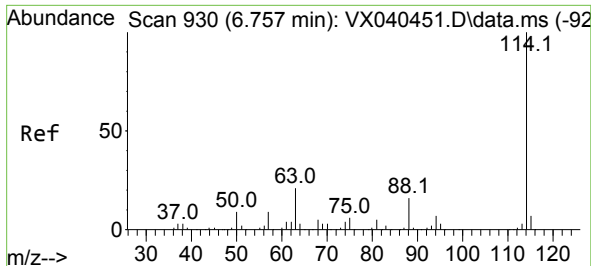
Tgt Ion: 56 Resp: 2185
Ion Ratio Lower Upper
56 100
69 127.2 23.4 35.2#
84 70.8 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 48.801 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 65 Resp: 64747
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.2

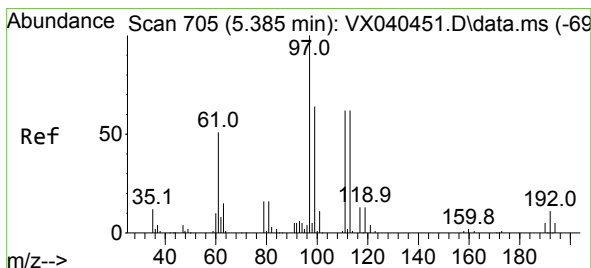
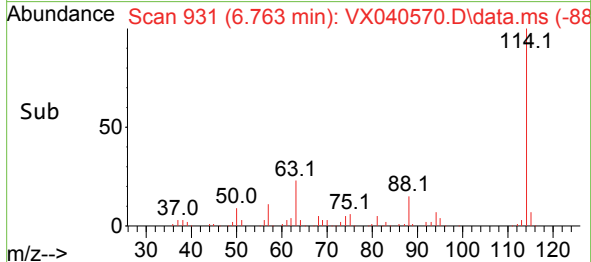
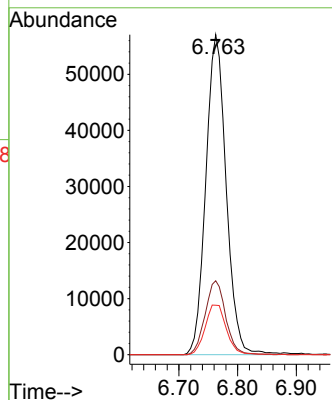
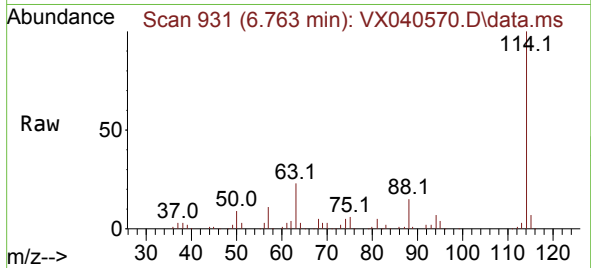




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

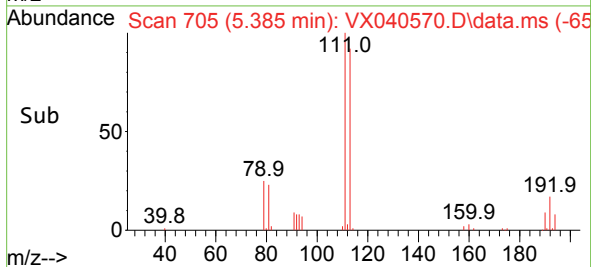
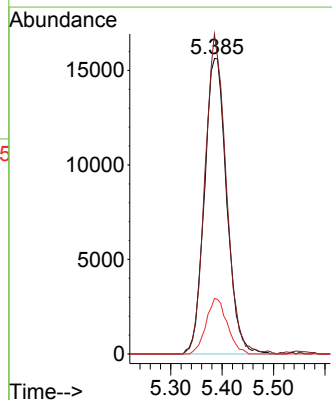
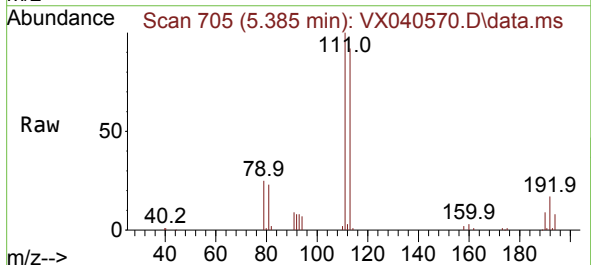
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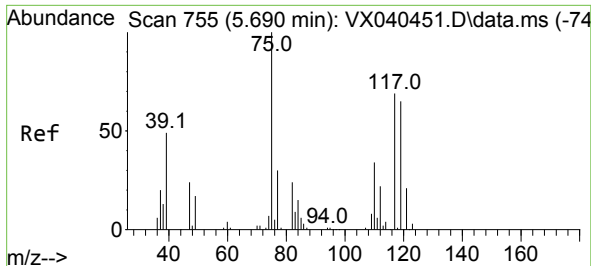
Tgt Ion:114 Resp: 137249
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.209 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion:113 Resp: 46966
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 17.9 13.3 19.9

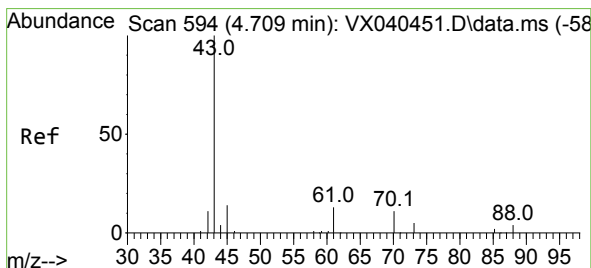
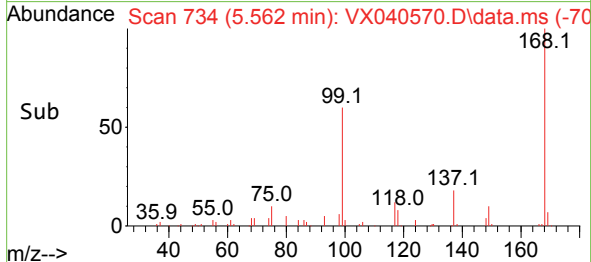
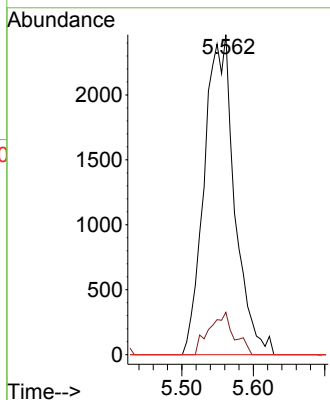
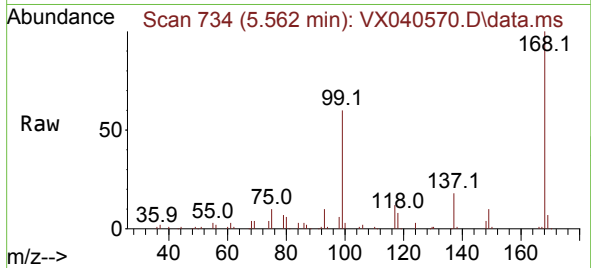




#36
1,1-Dichloropropene
Concen: 4.915 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

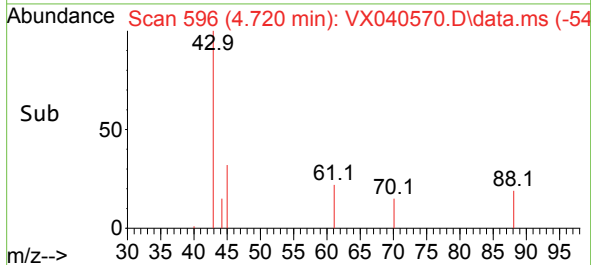
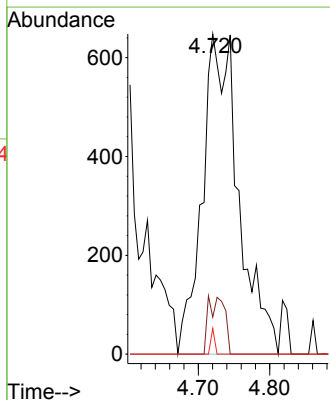
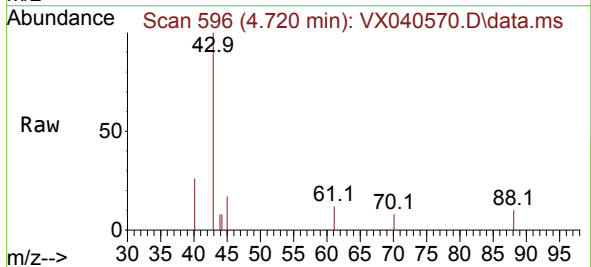
Instrument :
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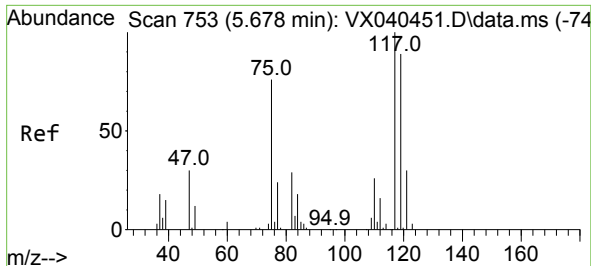
Tgt Ion: 75 Resp: 7227
Ion Ratio Lower Upper
75 100
110 11.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.417 ug/l
RT: 4.720 min Scan# 596
Delta R.T. 0.012 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 43 Resp: 2280
Ion Ratio Lower Upper
43 100
61 8.1 10.6 16.0#
70 0.8 8.3 12.5#

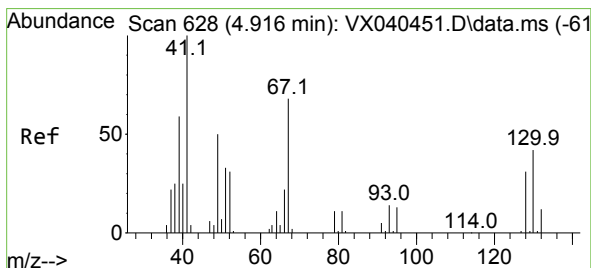
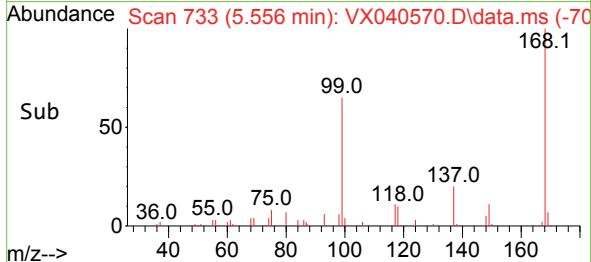
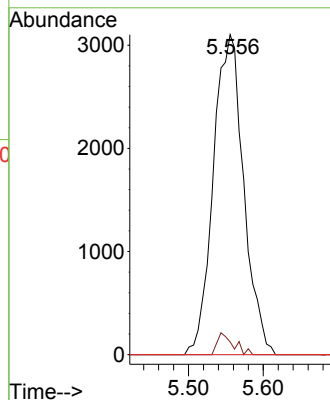
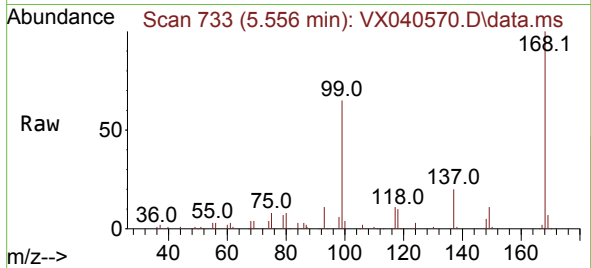




#38
Carbon Tetrachloride
Concen: 6.169 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.122 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

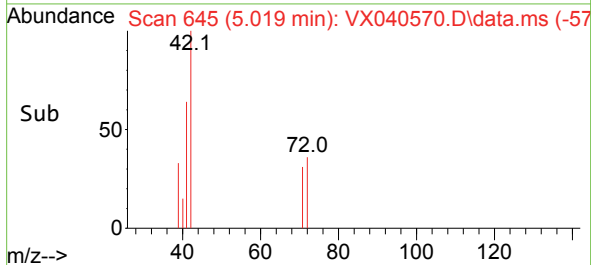
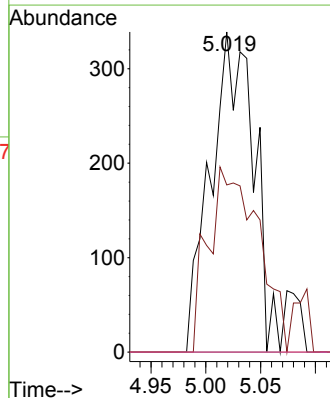
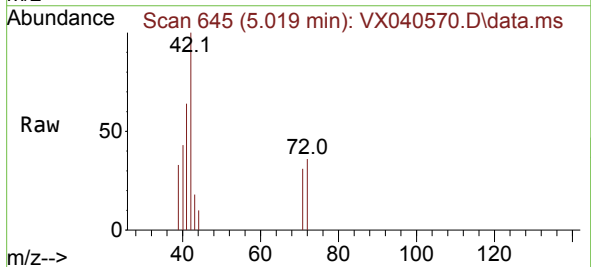
Instrument :
MSVOA_X
ClientSampleId :
TP-6

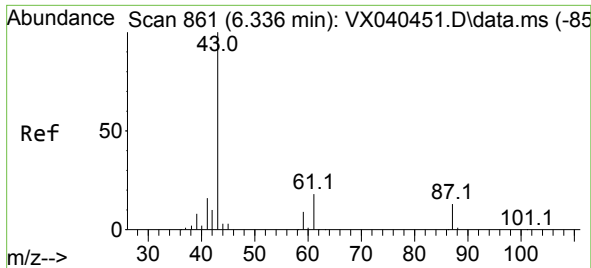
Tgt Ion:117 Resp: 8763
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.032 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.103 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 41 Resp: 928
Ion Ratio Lower Upper
41 100
39 67.1 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

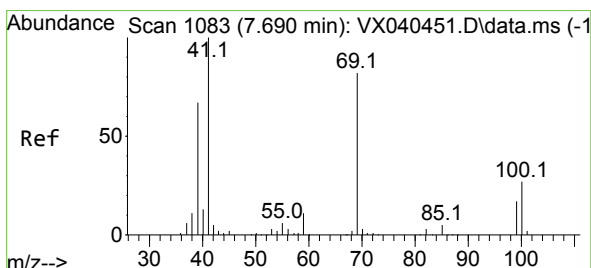
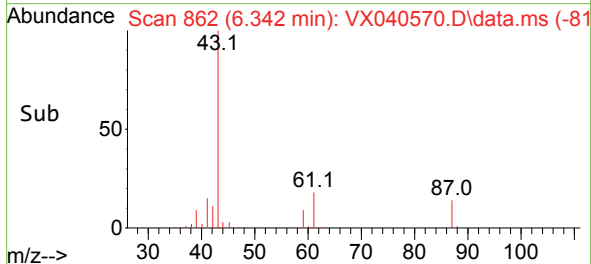
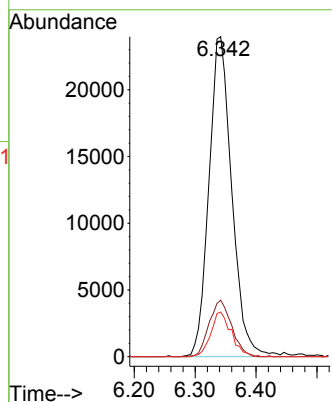
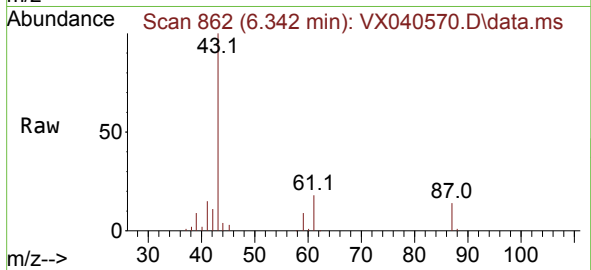




#43
Isopropyl Acetate
Concen: 24.728 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

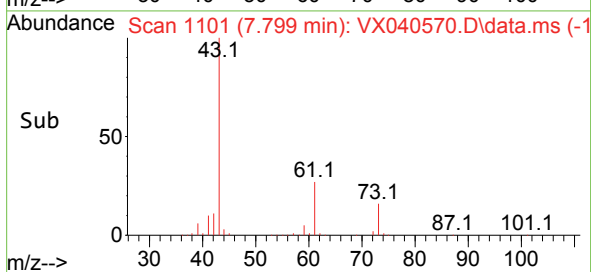
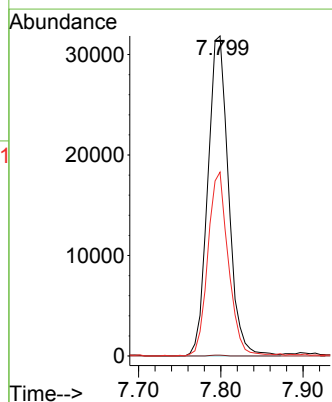
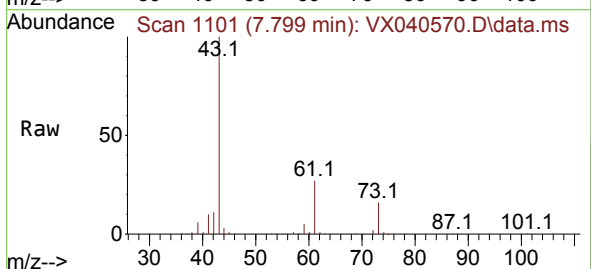
Instrument :
MSVOA_X
ClientSampleId :
TP-6

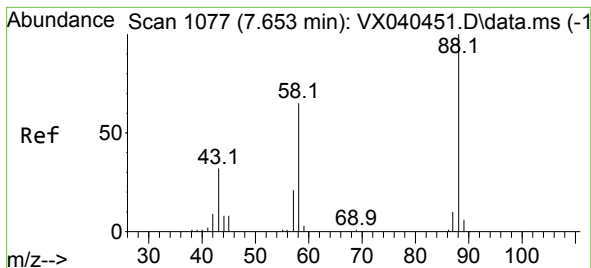
Tgt Ion:	43	Resp:	62441
Ion	Ratio	Lower	Upper
43	100		
61	17.4	15.2	22.8
87	12.5	9.8	14.6



#48
Methyl methacrylate
Concen: 44.123 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion:	41	Resp:	55689
Ion	Ratio	Lower	Upper
41	100		
69	0.2	59.2	88.8#
39	57.1	47.7	71.5





#49

1,4-Dioxane

Concen: 1.340 ug/l

RT: 7.787 min Scan# 1077

Delta R.T. 0.134 min

Lab File: VX040570.D

Acq: 04 Mar 2024 15:43

Instrument :

MSVOA_X

ClientSampleId :

TP-6

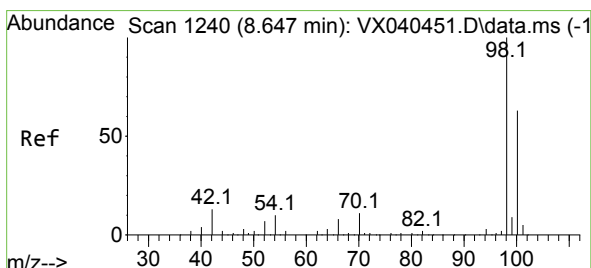
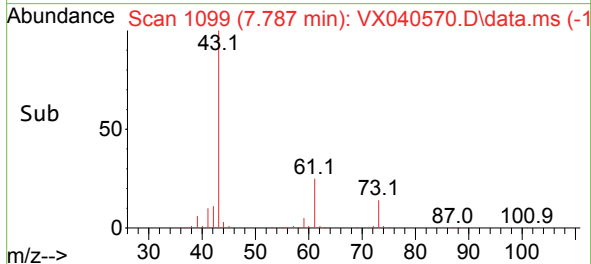
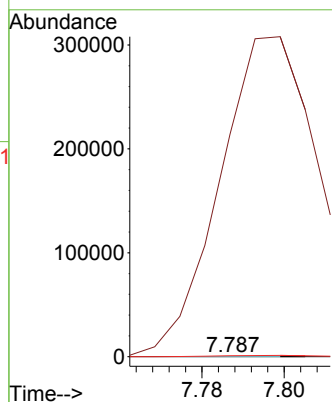
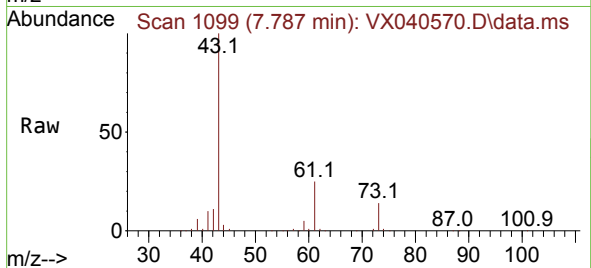
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 1699593.8 0.0 0.0#

58 7143.8 60.1 90.1#



#50

Toluene-d8

Concen: 50.238 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.001 min

Lab File: VX040570.D

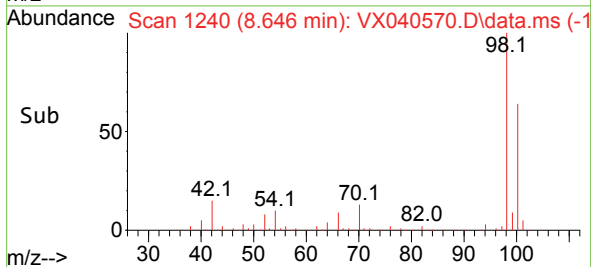
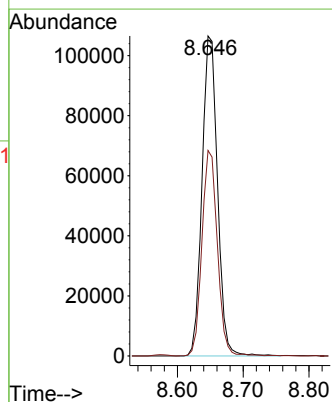
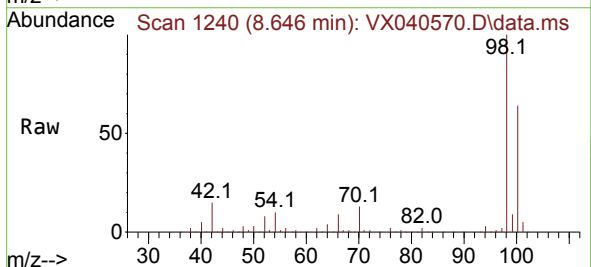
Acq: 04 Mar 2024 15:43

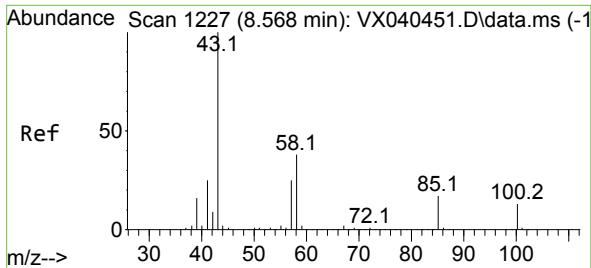
Tgt Ion: 98 Resp: 174044

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7

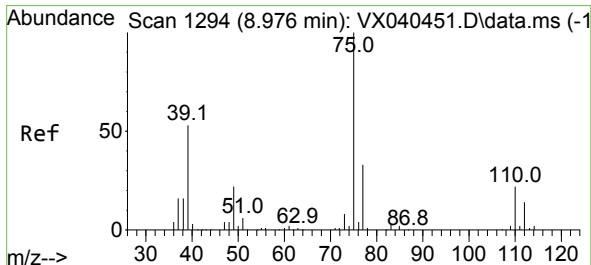
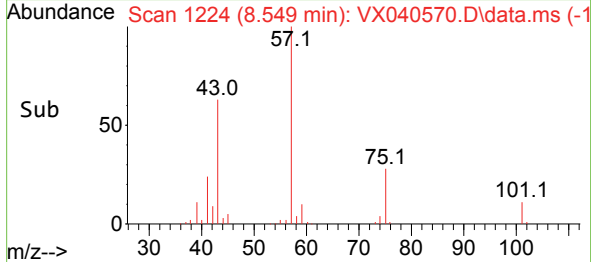
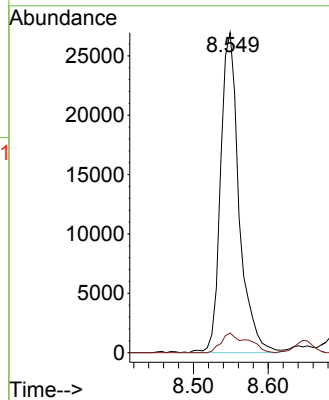
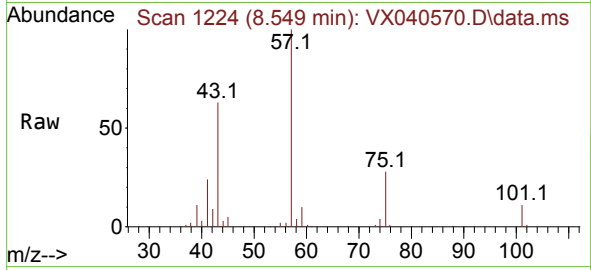




#51
4-Methyl-2-Pentanone
Concen: 27.874 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

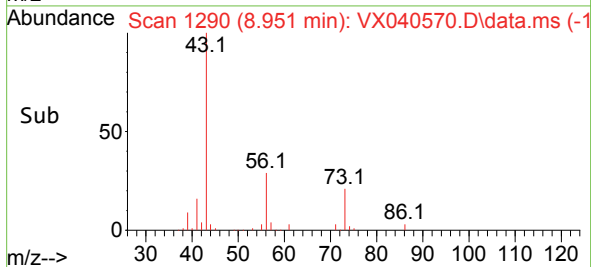
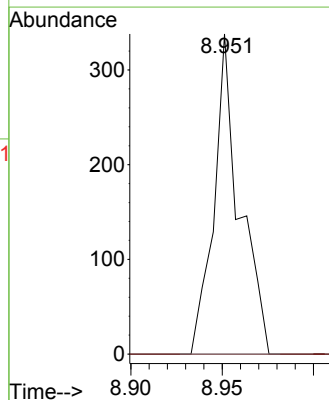
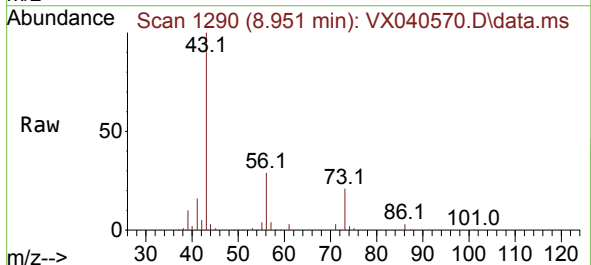
Instrument :
MSVOA_X
ClientSampleId :
TP-6

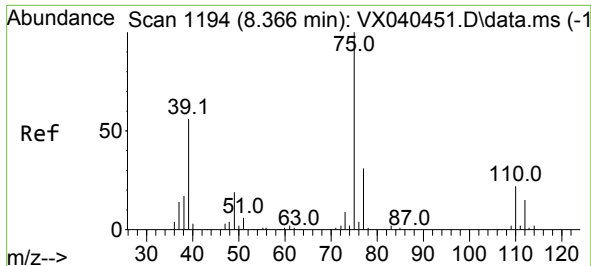
Tgt Ion: 43 Resp: 46537
Ion Ratio Lower Upper
43 100
58 8.8 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.211 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 75 Resp: 330
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

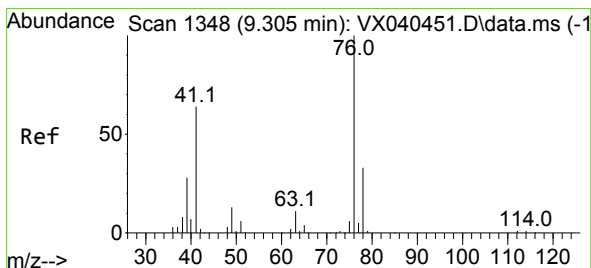
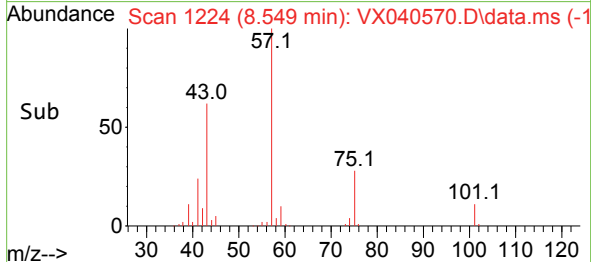
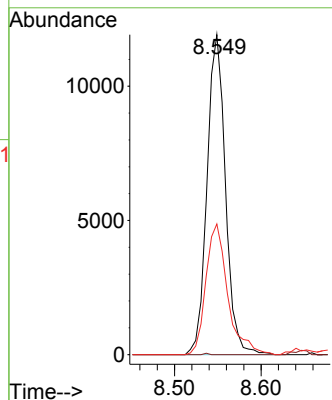
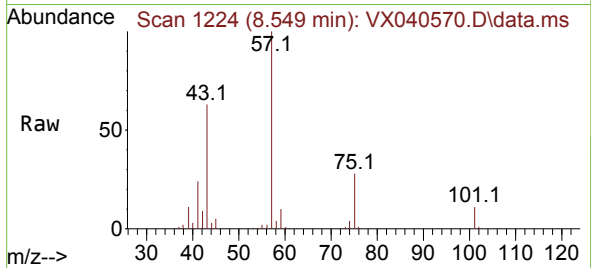




#54
cis-1,3-Dichloropropene
Concen: 10.474 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.182 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

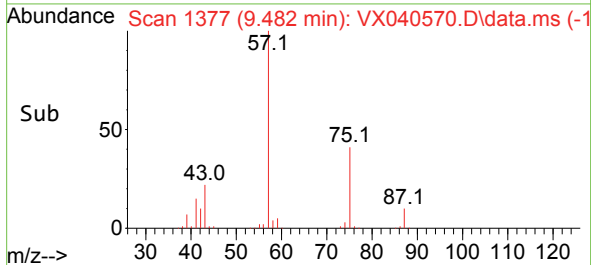
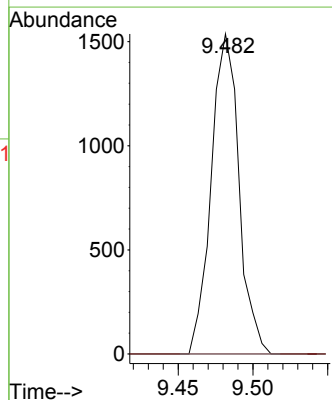
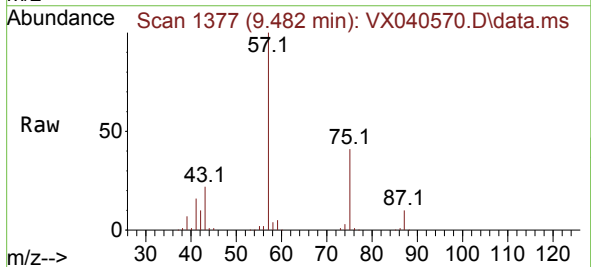
Instrument :
MSVOA_X
ClientSampleId :
TP-6

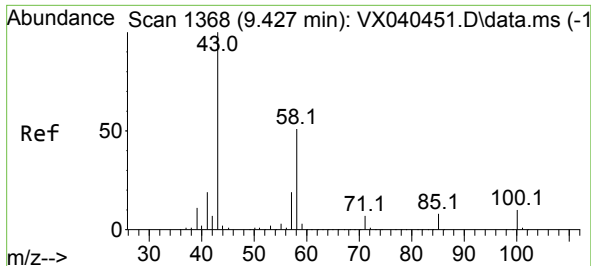
Tgt Ion: 75 Resp: 17623
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 40.9 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 1.123 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 76 Resp: 1984
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

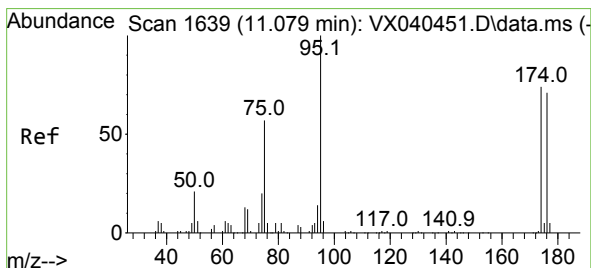
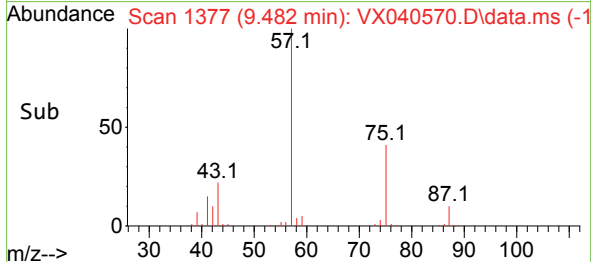
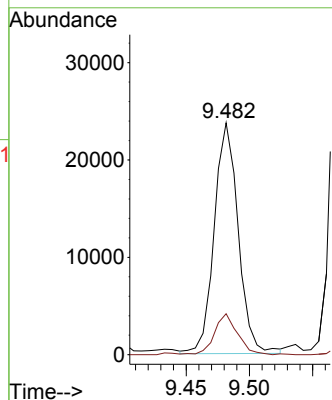
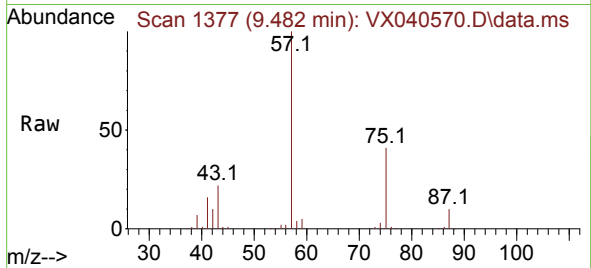




#59
2-Hexanone
Concen: 24.359 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.054 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

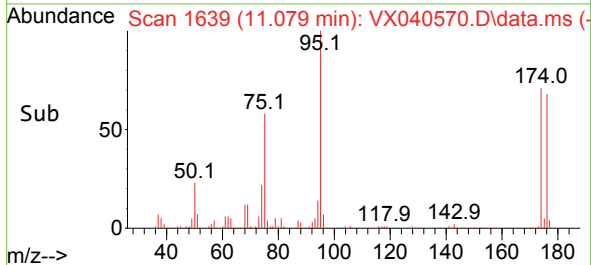
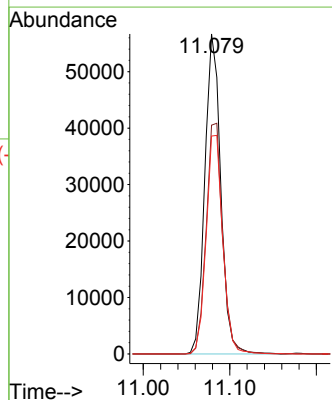
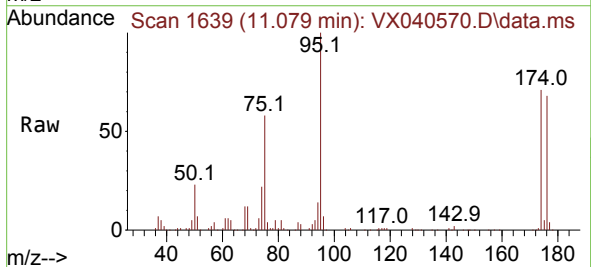
Instrument :
MSVOA_X
ClientSampleId :
TP-6

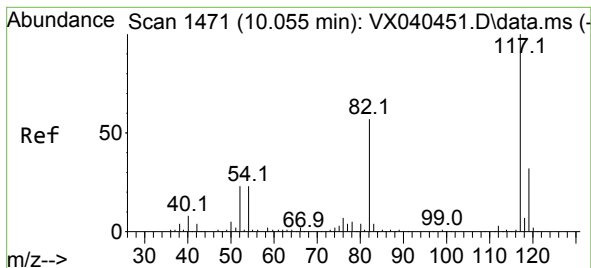
Tgt Ion: 43 Resp: 31267
Ion Ratio Lower Upper
43 100
58 17.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 54.766 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion: 95 Resp: 72325
Ion Ratio Lower Upper
95 100
174 74.8 0.0 135.6
176 71.4 0.0 131.0

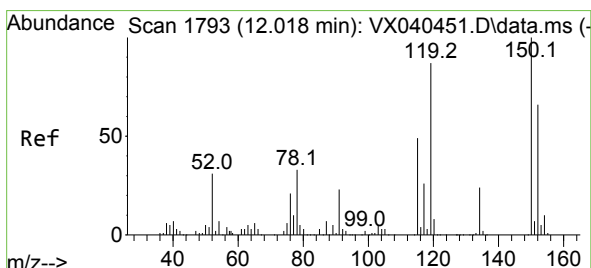
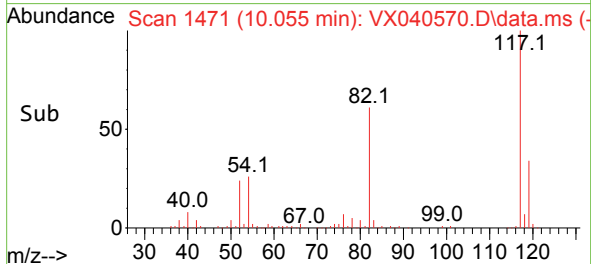
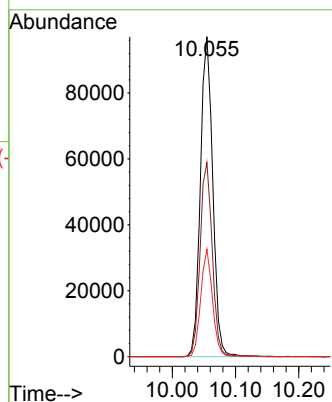
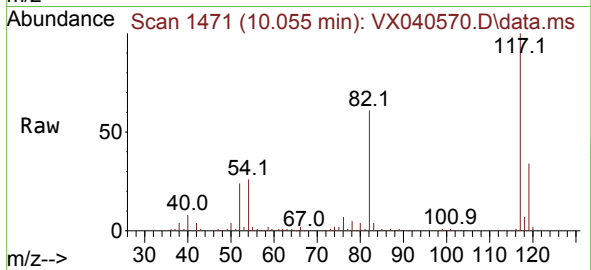




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

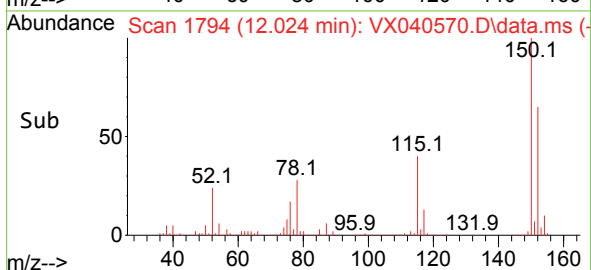
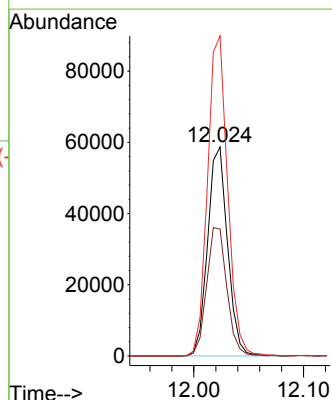
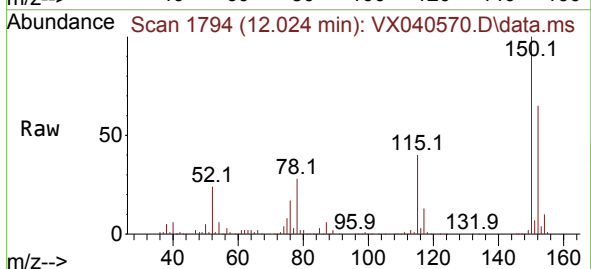
Instrument :
MSVOA_X
ClientSampleId :
TP-6

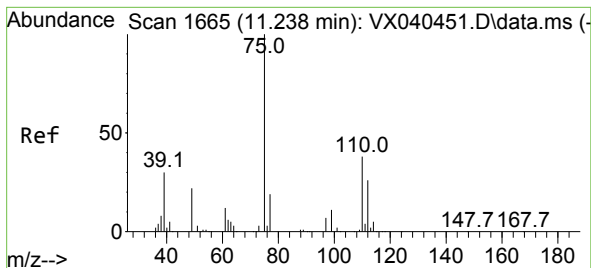
Tgt Ion:117 Resp: 132342
Ion Ratio Lower Upper
117 100
82 60.7 46.2 69.4
119 33.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040570.D
Acq: 04 Mar 2024 15:43

Tgt Ion:152 Resp: 74023
Ion Ratio Lower Upper
152 100
115 62.5 43.3 129.9
150 154.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.756 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040570.D

Acq: 04 Mar 2024 15:43

Instrument :

MSVOA_X

ClientSampleId :

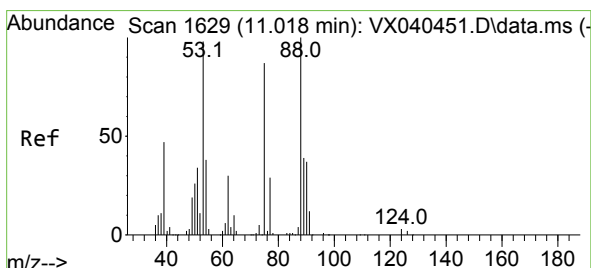
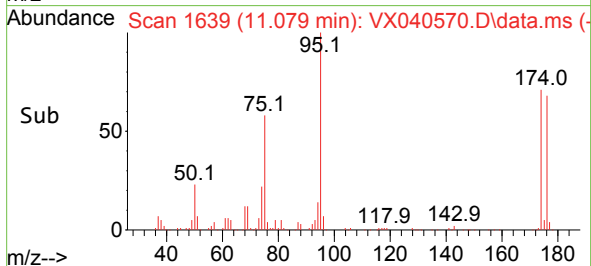
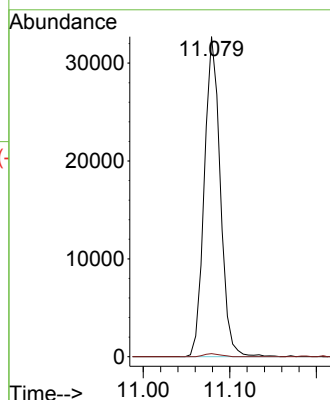
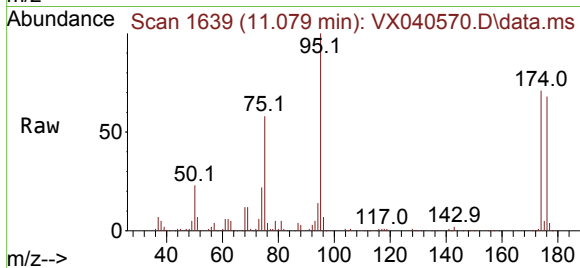
TP-6

Tgt Ion: 75 Resp: 41959

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.029 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040570.D

Acq: 04 Mar 2024 15:43

Tgt Ion: 75 Resp: 41959

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

