

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012524\
 Data File : VX039965.D
 Acq On : 25 Jan 2024 19:30
 Operator : JC/MD
 Sample : PB158617ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 26 01:40:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

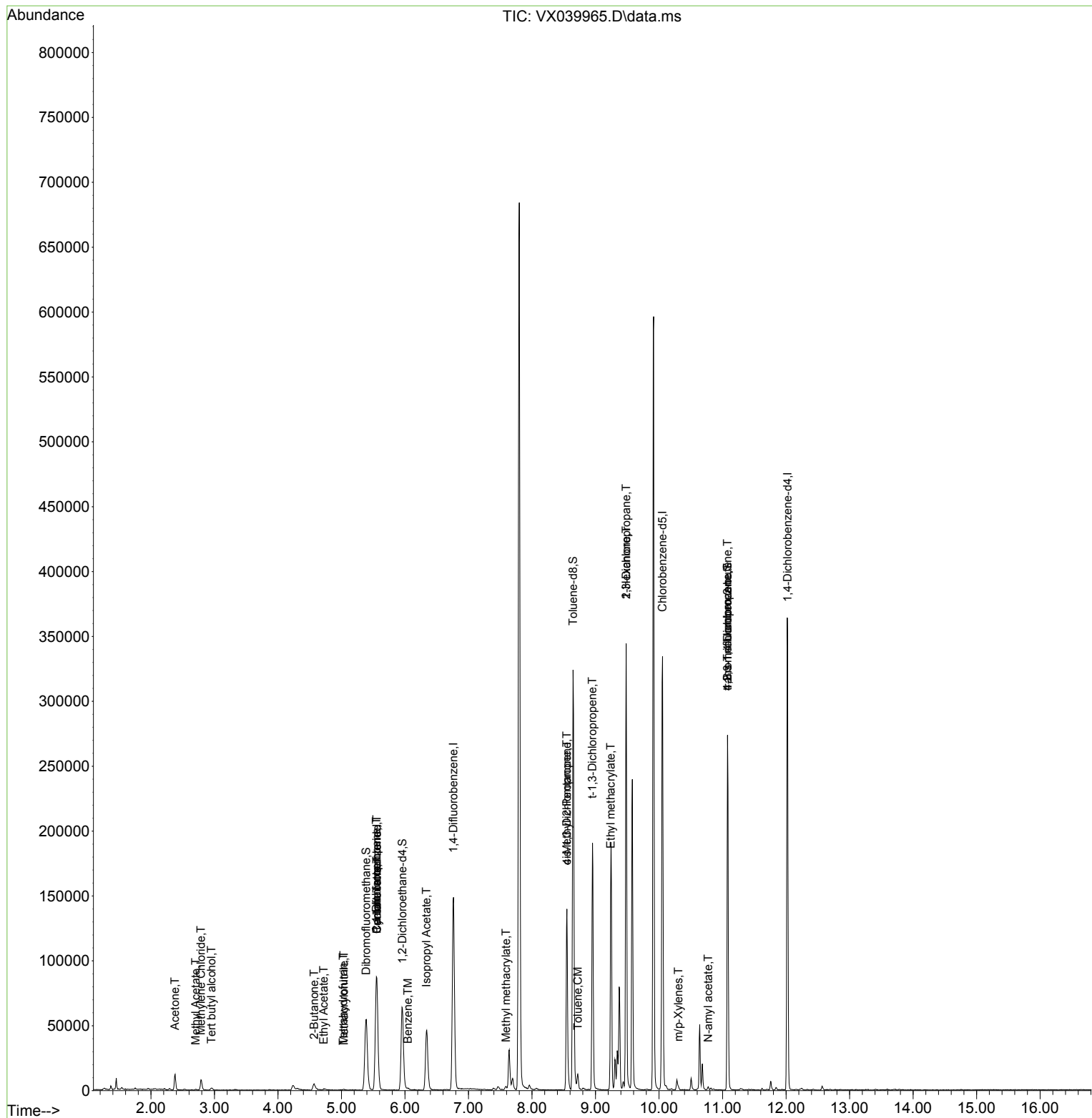
Internal Standards						
1) Pentafluorobenzene	5.556	168	78862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	148160	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60380	45.706	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.420%		
35) Dibromofluoromethane	5.385	113	47954	48.054	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.100%		
50) Toluene-d8	8.647	98	188356	50.045	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.100%		
62) 4-Bromofluorobenzene	11.079	95	71063	48.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.560%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1775	5.162	ug/l #	93
16) Acetone	2.379	43	12198	16.418	ug/l	95
18) Methyl Acetate	2.703	43	728	0.468	ug/l #	65
20) Methylene Chloride	2.788	84	3434	3.056	ug/l	92
25) 2-Butanone	4.568	43	8494	7.956	ug/l	94
29) Tetrahydrofuran	5.025	42	368	0.536	ug/l #	52
31) Cyclohexane	5.556	56	2024	1.161	ug/l #	42
36) 1,1-Dichloropropene	5.550	75	7130	4.590	ug/l #	50
37) Ethyl Acetate	4.721	43	1510	0.729	ug/l #	90
38) Carbon Tetrachloride	5.556	117	8852	6.222	ug/l #	14
40) Benzene	6.043	78	1634	0.371	ug/l	98
41) Methacrylonitrile	5.038	41	298	0.294	ug/l #	53
43) Isopropyl Acetate	6.336	43	65224	21.456	ug/l	99
48) Methyl methacrylate	7.592	41	2124	1.421	ug/l #	16
51) 4-Methyl-2-Pentanone	8.549	43	49355	23.574	ug/l #	51
52) Toluene	8.720	92	4269	1.625	ug/l	99
53) t-1,3-Dichloropropene	8.951	75	405	0.253	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	20901	11.868	ug/l #	62
56) Ethyl methacrylate	9.238	69	428	0.236	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2821	1.488	ug/l #	42
59) 2-Hexanone	9.482	43	39922	24.094	ug/l #	54
68) m/p-Xylenes	10.305	106	697	0.332	ug/l	88
74) N-amyl acetate	10.774	43	1382	0.474	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	38711	21.263	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	38711	61.937	ug/l #	5

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

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MSVOA_X
ClientSampleId :

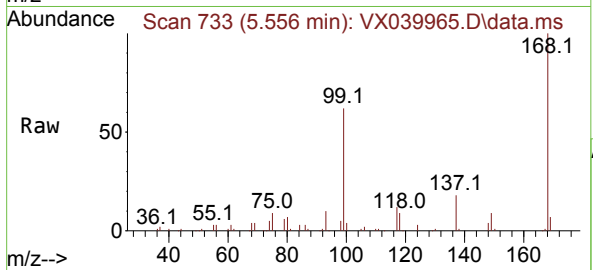
Quant Time: Jan 26 01:40:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration



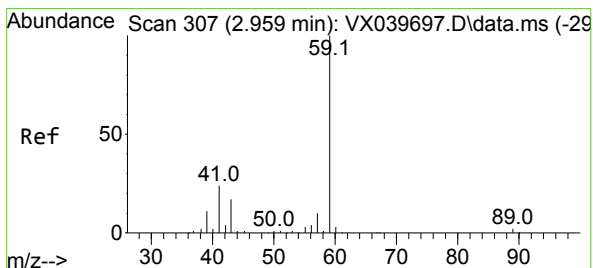
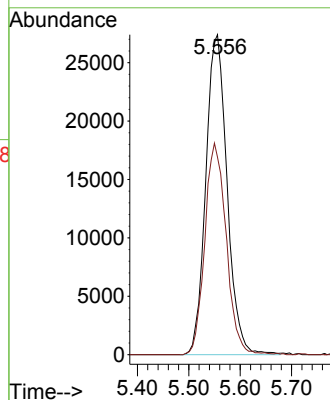
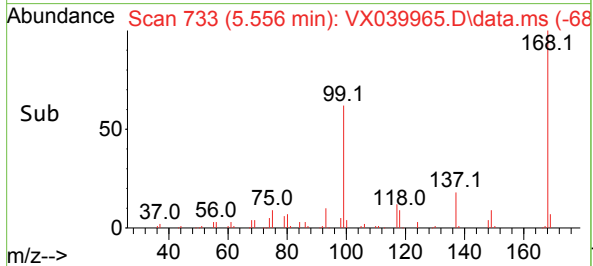


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Instrument :
MSVOA_X
ClientSampleId :

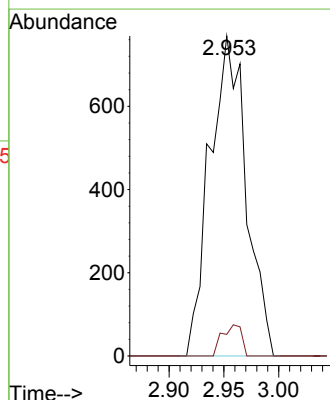
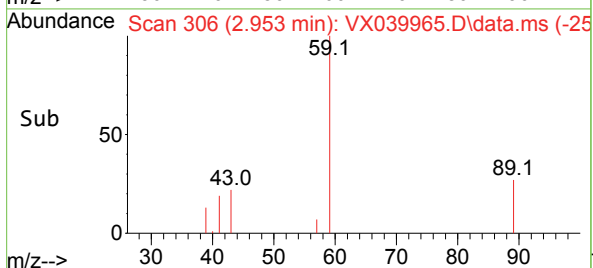
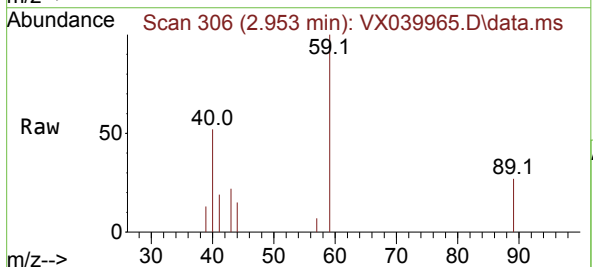


Tgt Ion:168 Resp: 78862
Ion Ratio Lower Upper
168 100
99 61.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 5.162 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Tgt Ion: 59 Resp: 1775
Ion Ratio Lower Upper
59 100
57 5.2 6.0 9.0#

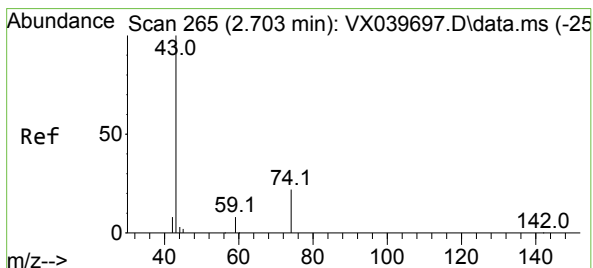
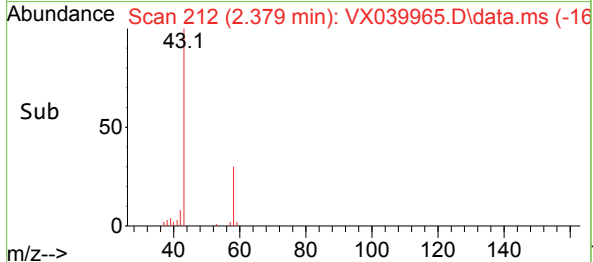
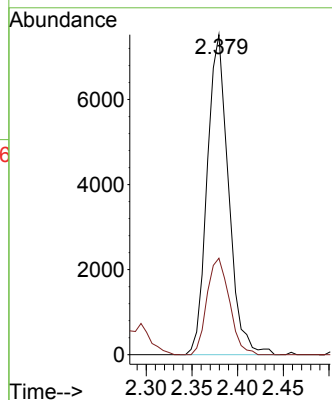
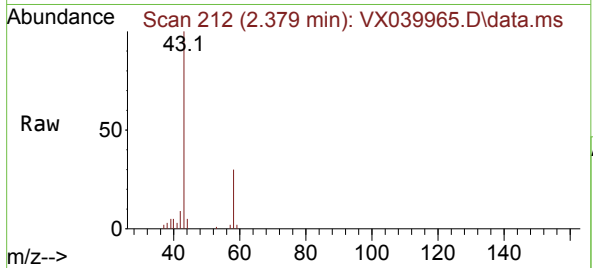




#16
Acetone
Concen: 16.418 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

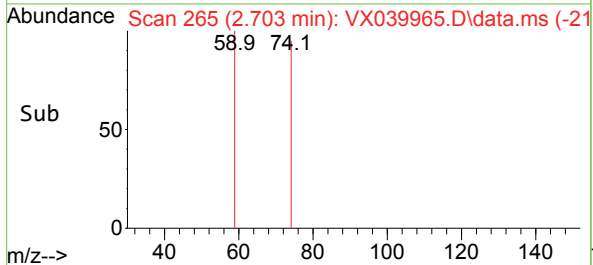
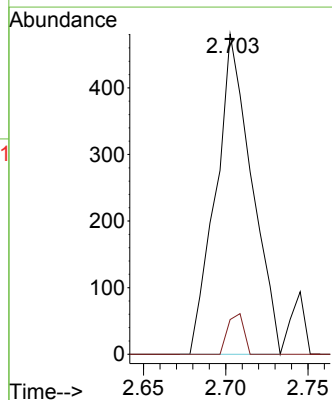
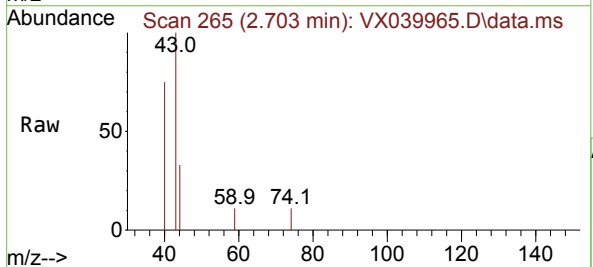
Instrument :
MSVOA_X
ClientSampleId :

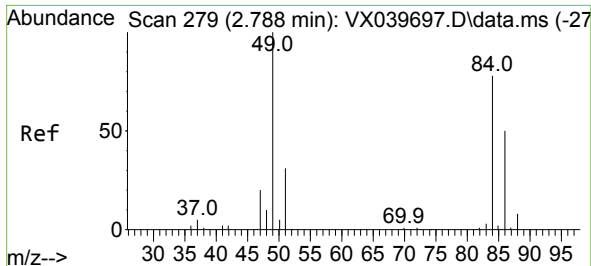
Tgt Ion: 43 Resp: 12198
Ion Ratio Lower Upper
43 100
58 30.2 21.9 32.9



#18
Methyl Acetate
Concen: 0.468 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
74 5.6 17.8 26.8#





#20

Methylene Chloride

Concen: 3.056 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

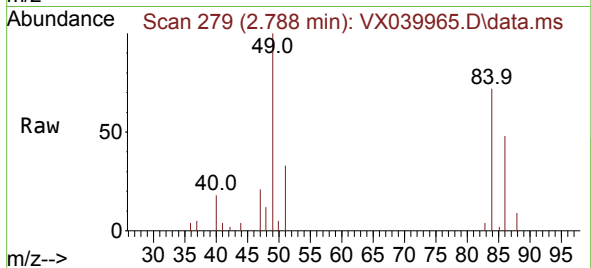
Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 3434

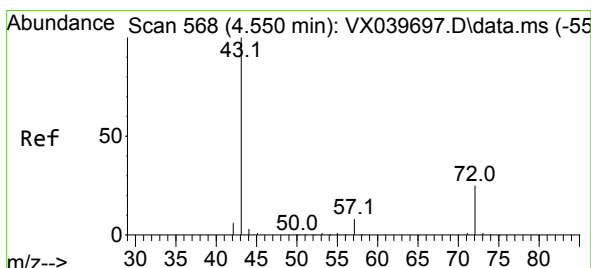
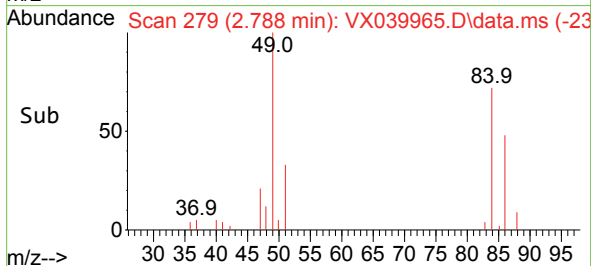
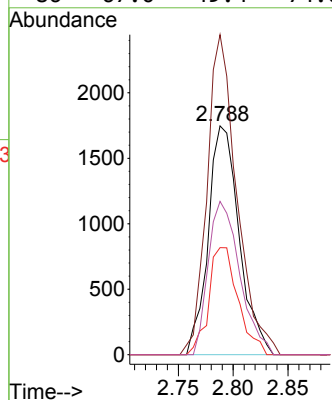
Ion Ratio Lower Upper

84 100

49 139.8 103.6 155.4

51 46.8 33.8 50.6

86 67.0 49.4 74.0



#25

2-Butanone

Concen: 7.956 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.018 min

Lab File: VX039965.D

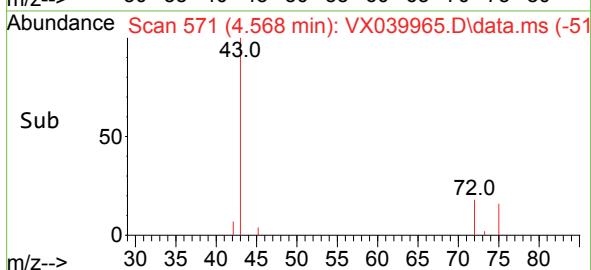
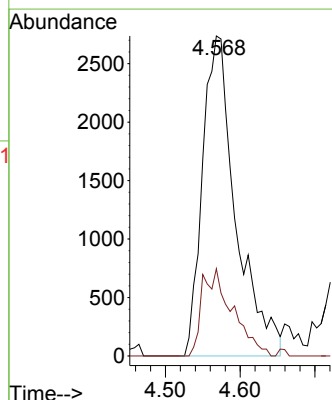
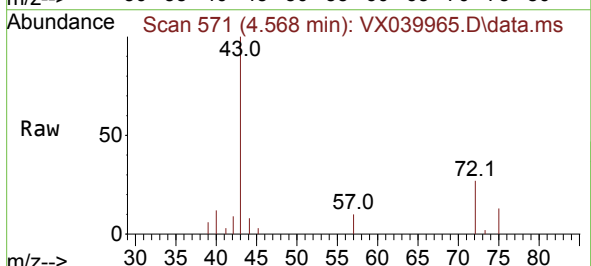
Acq: 25 Jan 2024 19:30

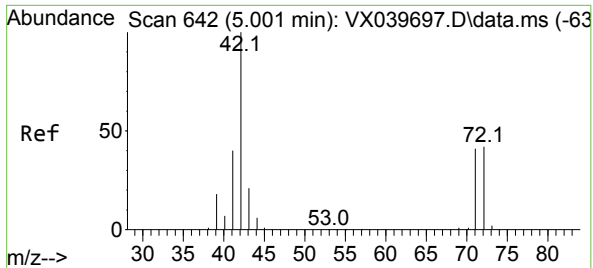
Tgt Ion: 43 Resp: 8494

Ion Ratio Lower Upper

43 100

72 27.3 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.536 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

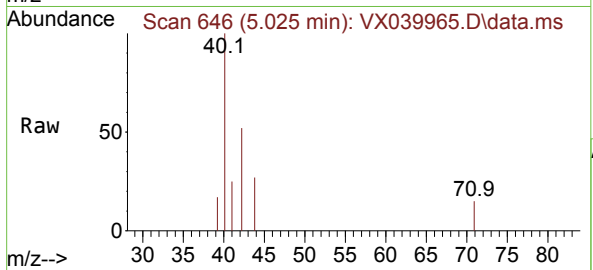
Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

Instrument :

MSVOA_X

ClientSampleId :



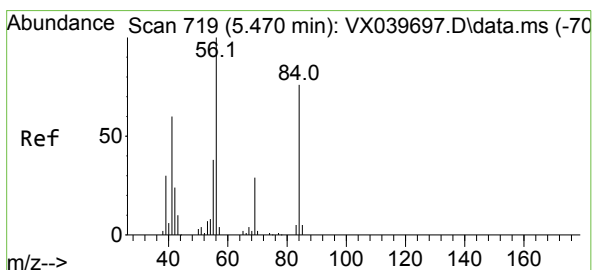
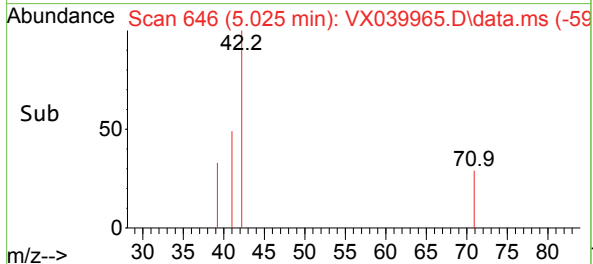
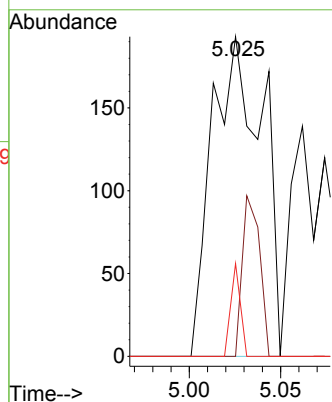
Tgt Ion: 42 Resp: 368

Ion Ratio Lower Upper

42 100

72 17.4 34.2 51.4#

71 5.4 32.2 48.2#



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

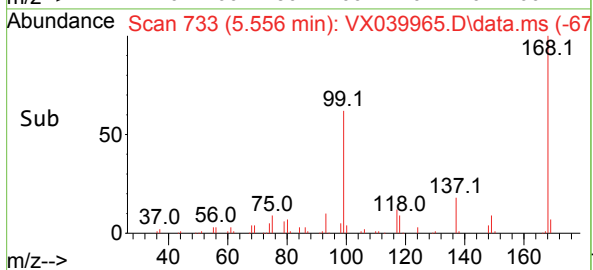
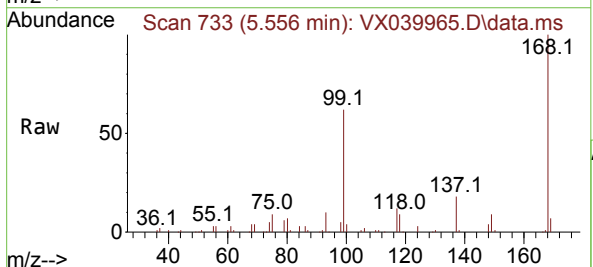
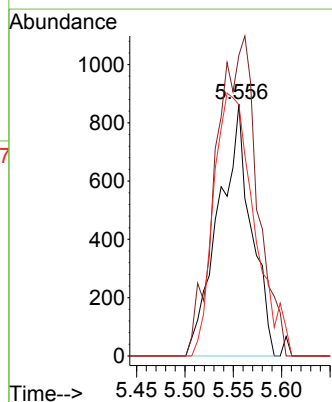
Tgt Ion: 56 Resp: 2024

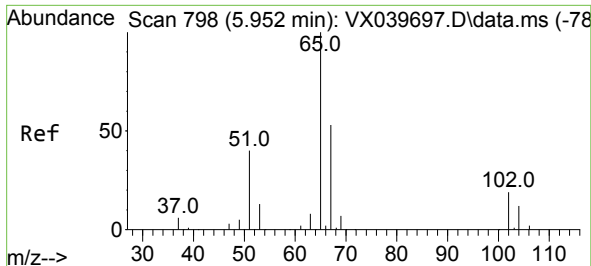
Ion Ratio Lower Upper

56 100

69 119.4 23.4 35.2#

84 99.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.706 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

Instrument :

MSVOA_X

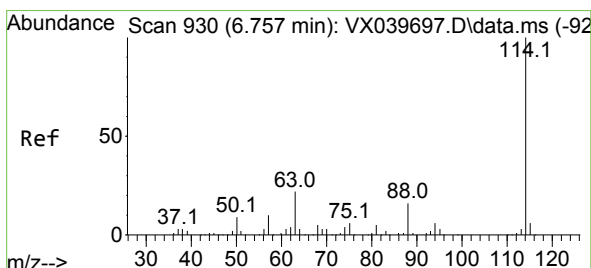
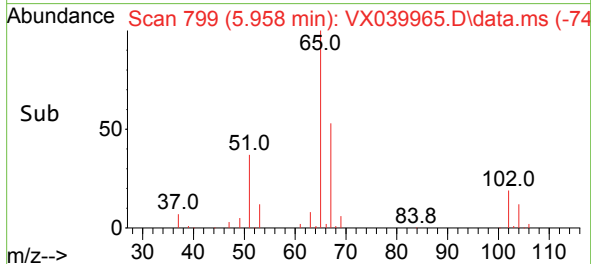
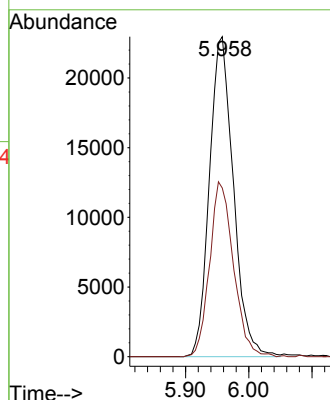
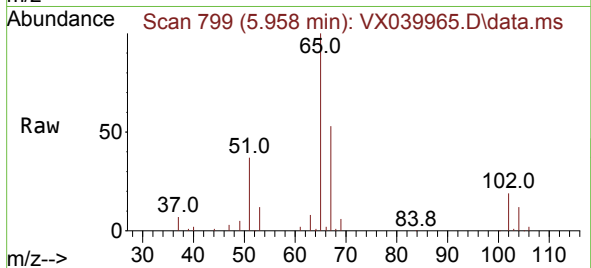
ClientSampleId :

Tgt Ion: 65 Resp: 60380

Ion Ratio Lower Upper

65 100

67 54.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

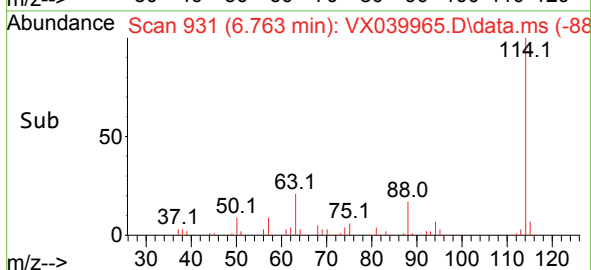
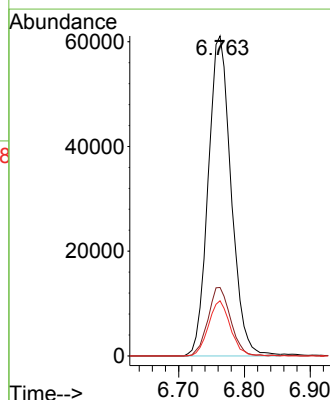
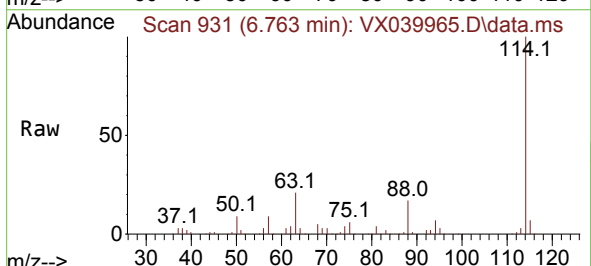
Tgt Ion:114 Resp: 148160

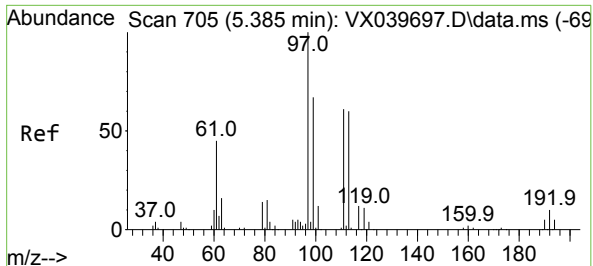
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

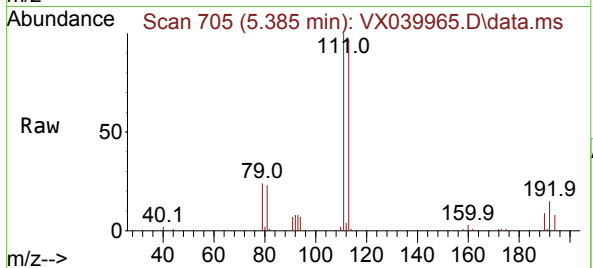
88 17.3 0.0 36.6



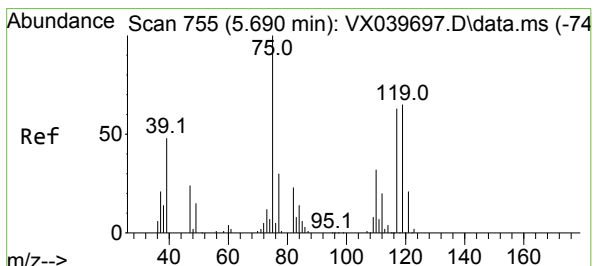
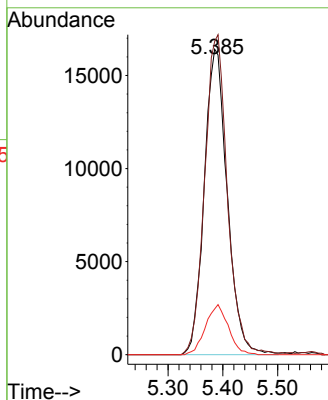
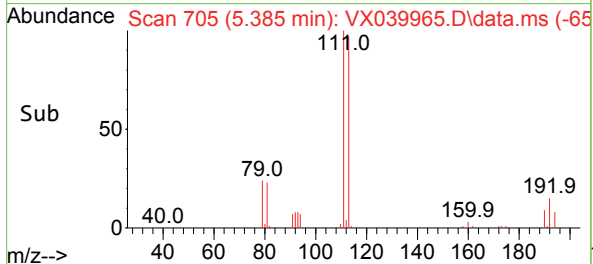


#35
Dibromofluoromethane
Concen: 48.054 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Instrument :
MSVOA_X
ClientSampleId :

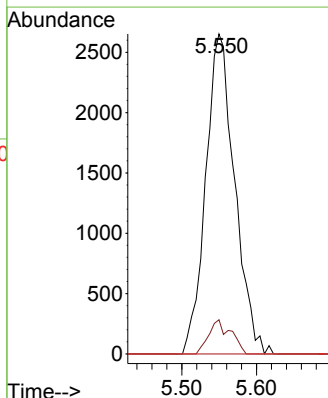
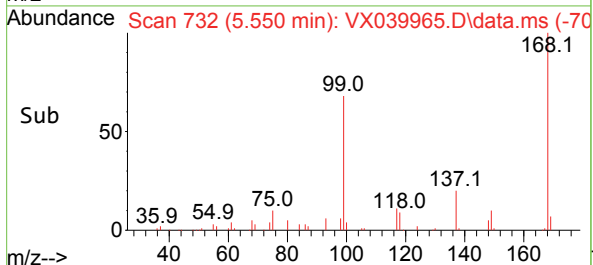
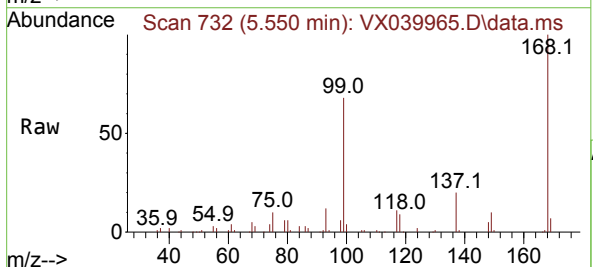


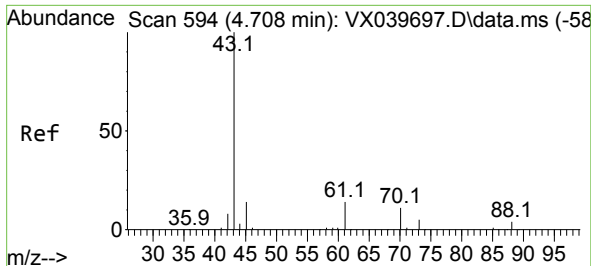
Tgt Ion:113 Resp: 47954
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.590 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Tgt Ion: 75 Resp: 7130
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.729 ug/l

RT: 4.721 min Scan# 594

Delta R.T. 0.012 min

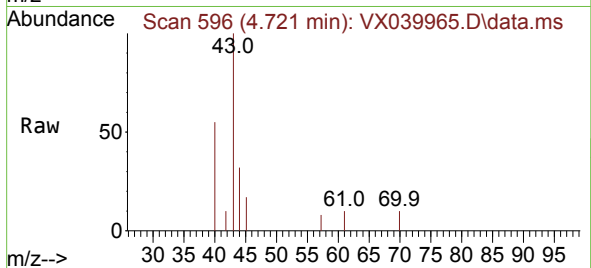
Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

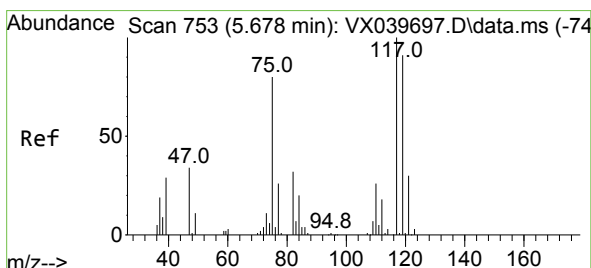
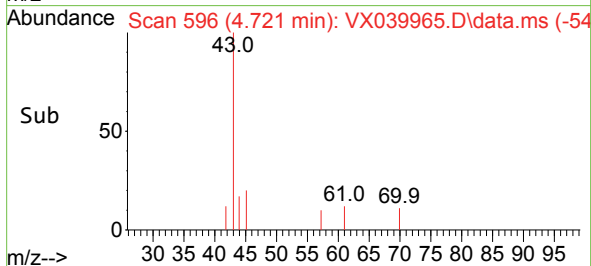
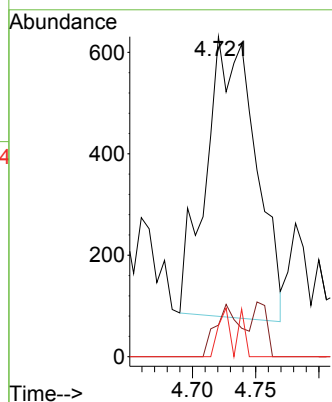
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1510
Ion	Ratio	Lower	Upper
43	100		
61	9.7	10.6	16.0#
70	6.1	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.222 ug/l

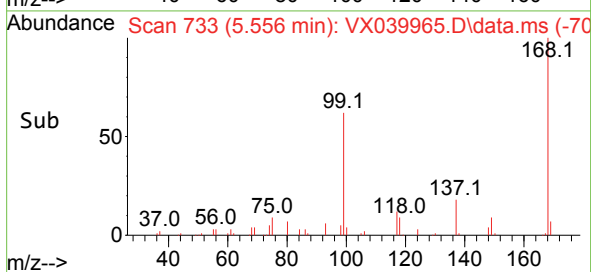
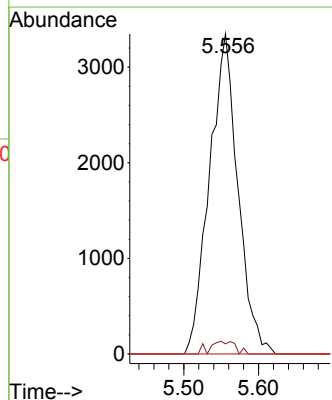
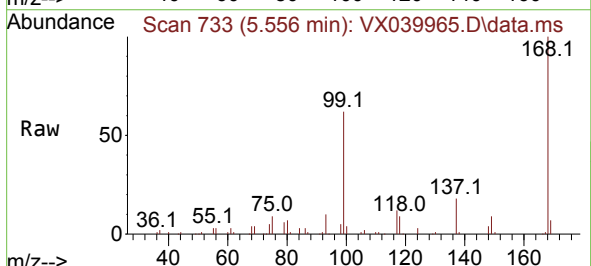
RT: 5.556 min Scan# 733

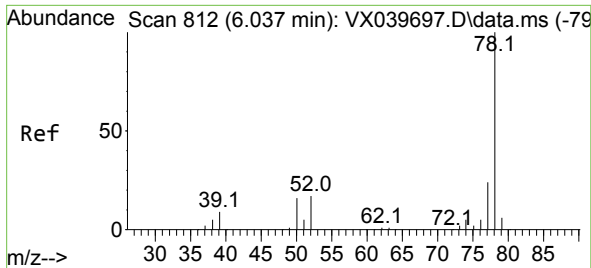
Delta R.T. -0.122 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

Tgt Ion:	117	Resp:	8852
Ion	Ratio	Lower	Upper
117	100		
119	3.2	78.2	117.2#
121	0.0	24.4	36.6#





#40

Benzene

Concen: 0.371 ug/l

RT: 6.043 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

Instrument :

MSVOA_X

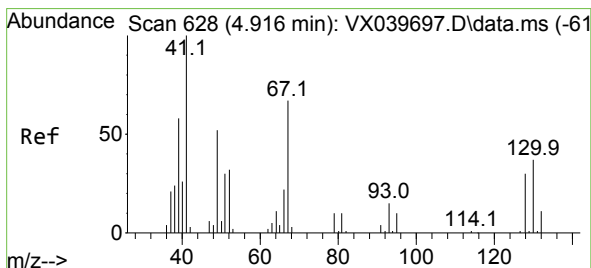
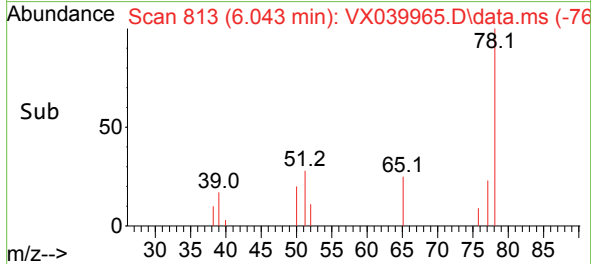
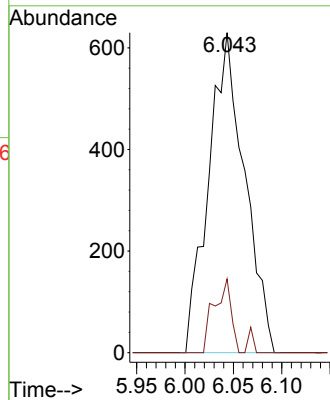
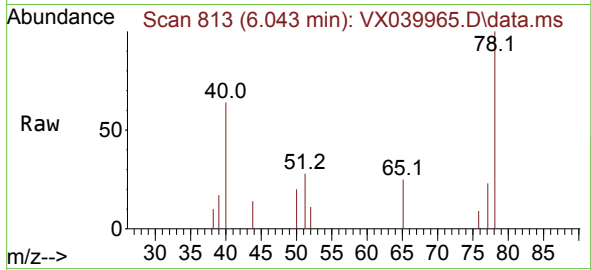
ClientSampleId :

Tgt Ion: 78 Resp: 1634

Ion Ratio Lower Upper

78 100

77 23.0 19.3 28.9



#41

Methacrylonitrile

Concen: 0.294 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.122 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

Tgt Ion: 41 Resp: 298

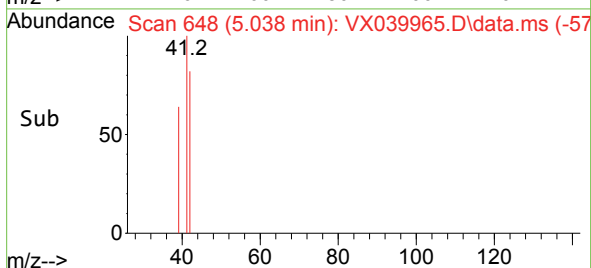
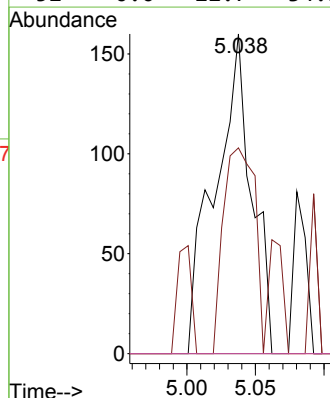
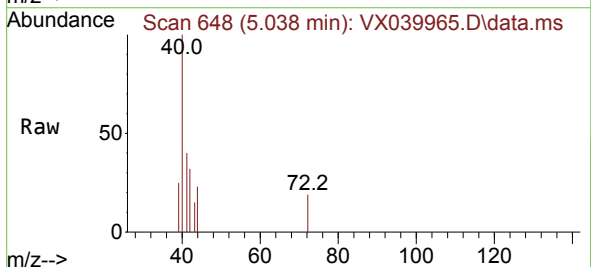
Ion Ratio Lower Upper

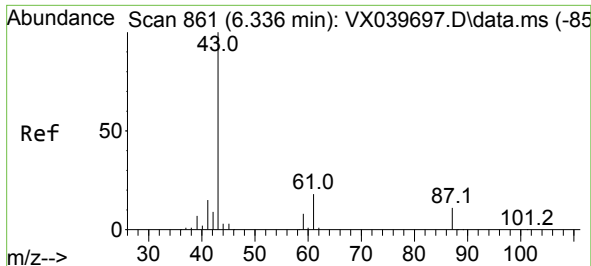
41 100

39 55.0 45.2 67.8

67 0.0 52.6 78.8#

52 0.0 22.7 34.1#

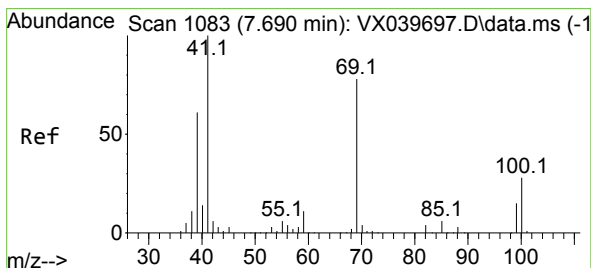
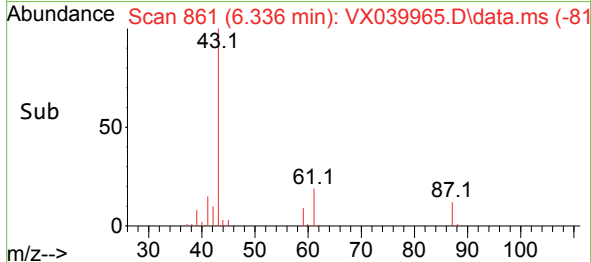
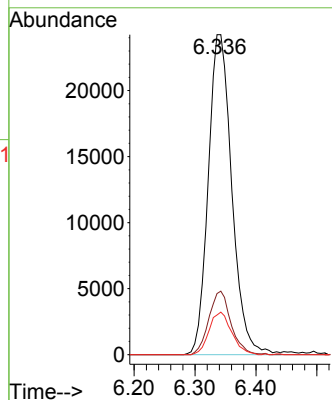
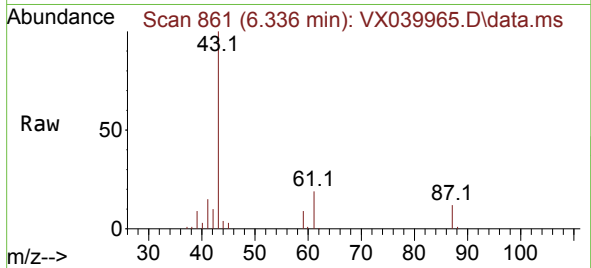




#43
Isopropyl Acetate
Concen: 21.456 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

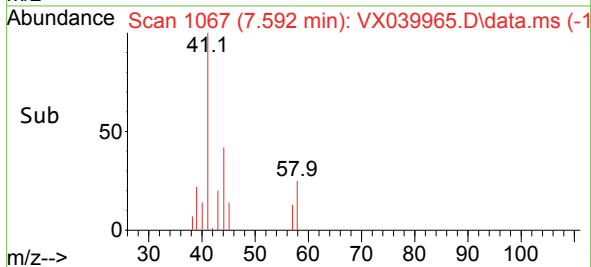
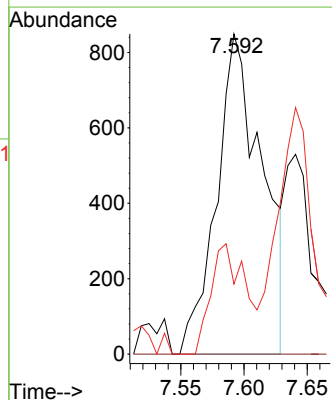
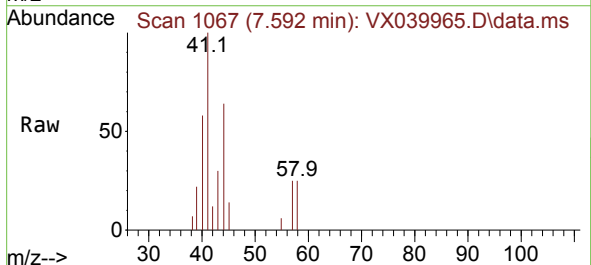
Instrument :
MSVOA_X
ClientSampleId :

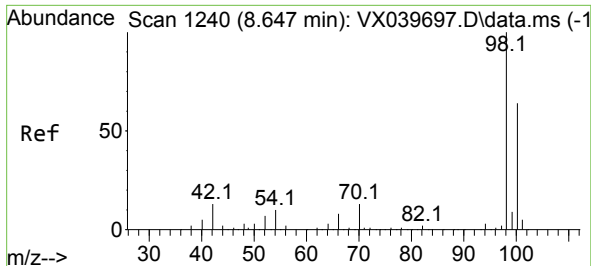
Tgt Ion: 43 Resp: 65224
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 12.7 9.8 14.6



#48
Methyl methacrylate
Concen: 1.421 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.098 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Tgt Ion: 41 Resp: 2124
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#

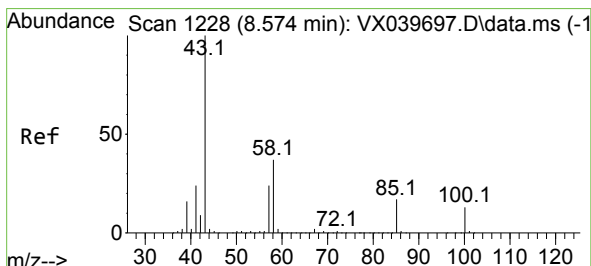
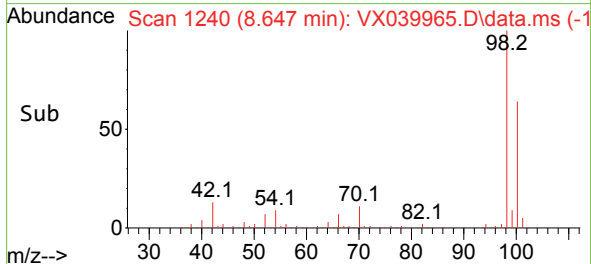
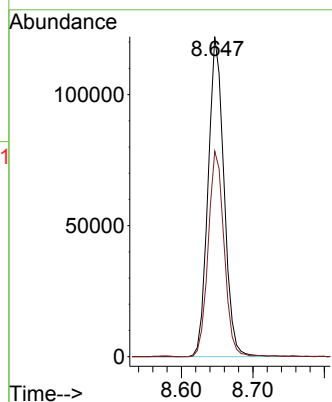
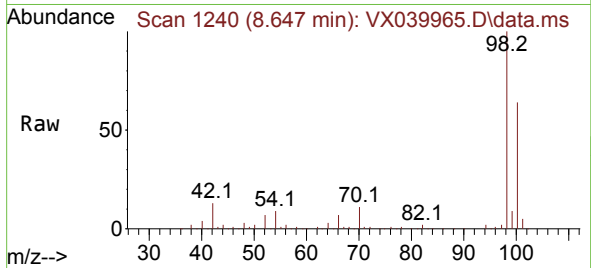




#50
Toluene-d8
Concen: 50.045 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

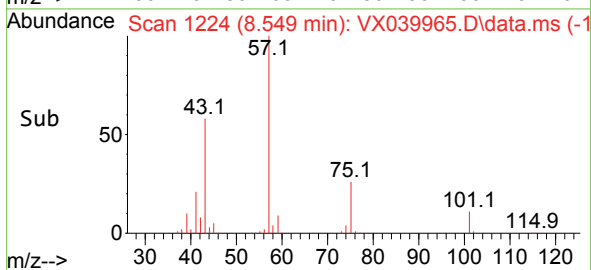
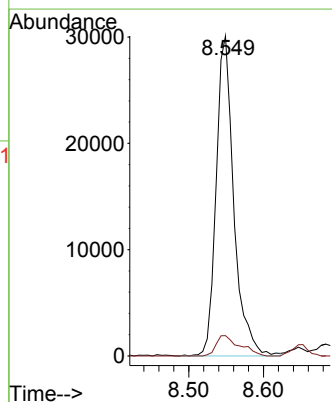
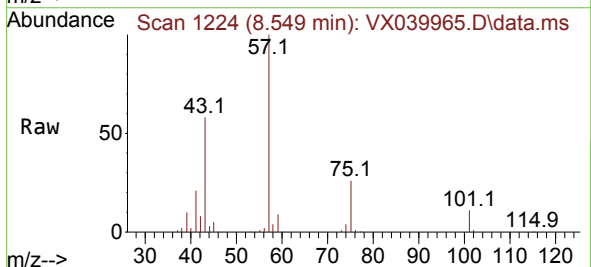
Instrument :
MSVOA_X
ClientSampleId :

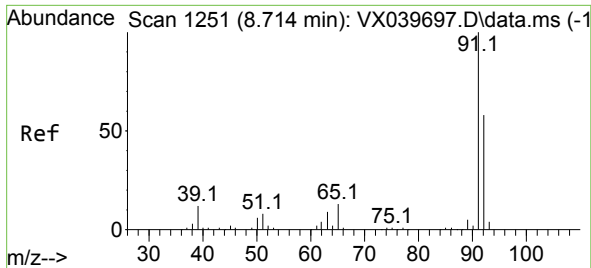
Tgt Ion: 98 Resp: 188356
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 23.574 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Tgt Ion: 43 Resp: 49355
Ion Ratio Lower Upper
43 100
58 8.5 30.4 45.6#

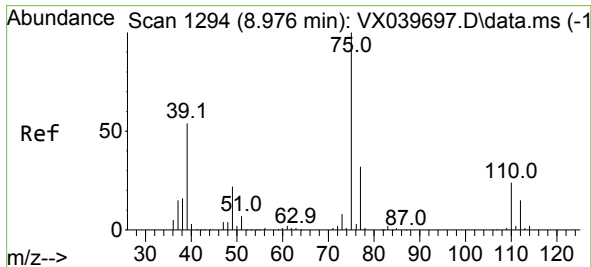
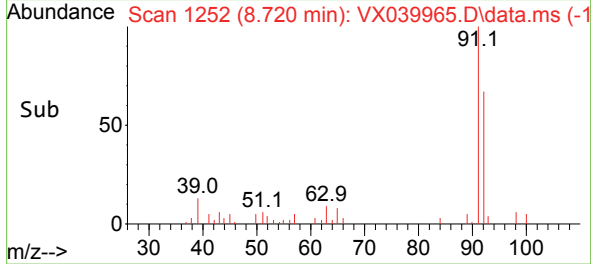
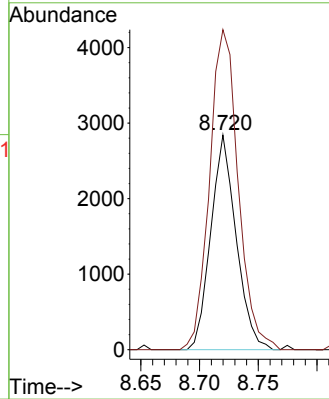
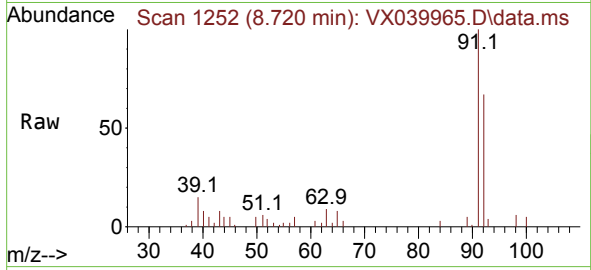




#52
Toluene
Concen: 1.625 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

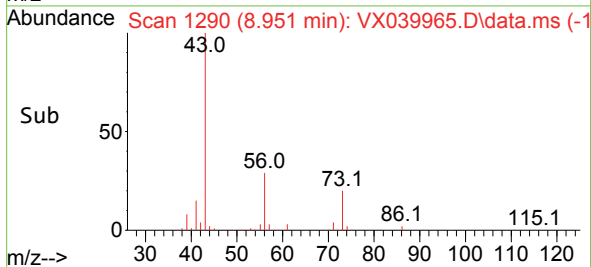
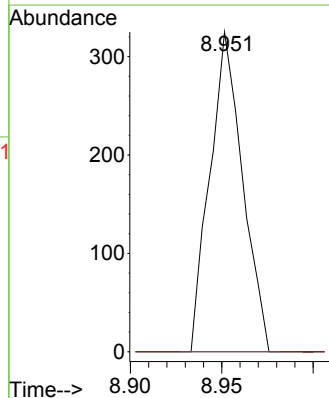
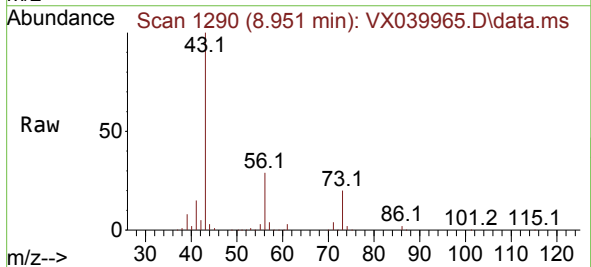
Instrument :
MSVOA_X
ClientSampleId :

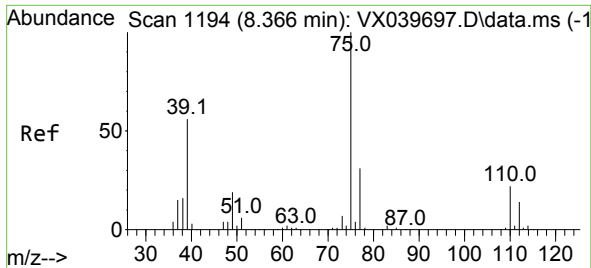
Tgt Ion: 92 Resp: 4269
Ion Ratio Lower Upper
92 100
91 168.5 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.253 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Tgt Ion: 75 Resp: 405
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

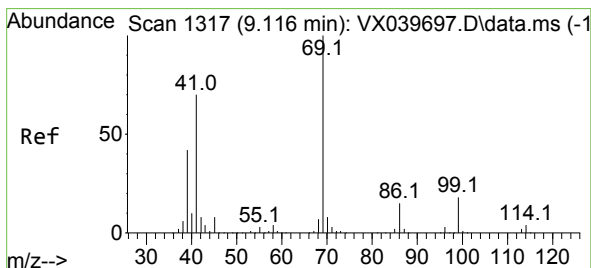
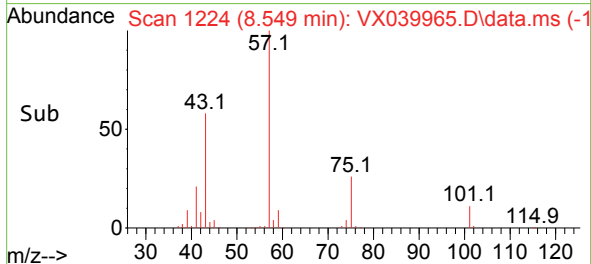
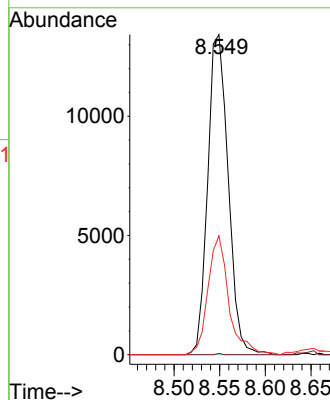
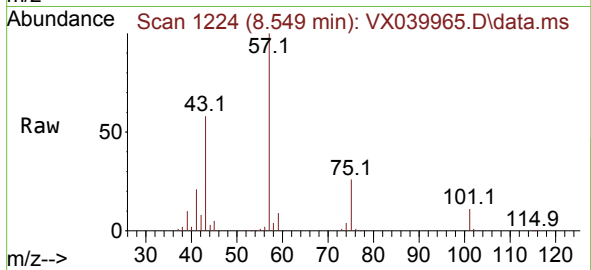




#54
 cis-1,3-Dichloropropene
 Concen: 11.868 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX039965.D
 Acq: 25 Jan 2024 19:30

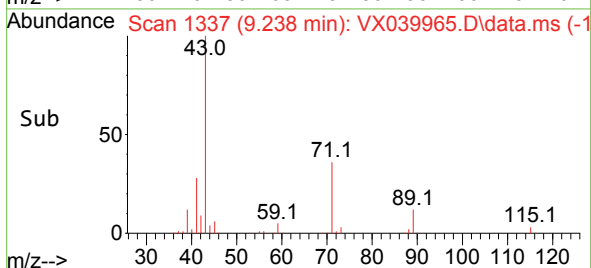
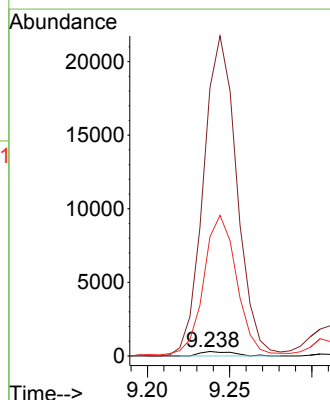
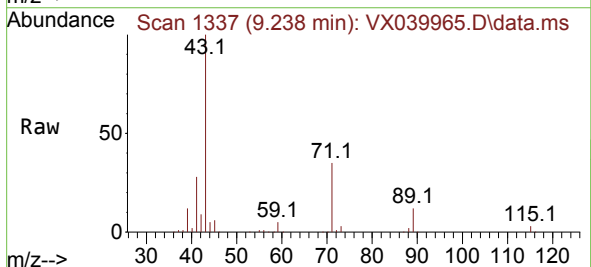
Instrument :
 MSVOA_X
 ClientSampleId :

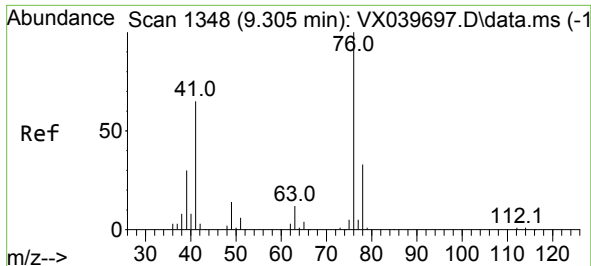
Tgt Ion: 75 Resp: 20901
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 37.2 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.236 ug/l
 RT: 9.238 min Scan# 1337
 Delta R.T. 0.122 min
 Lab File: VX039965.D
 Acq: 25 Jan 2024 19:30

Tgt Ion: 69 Resp: 428
 Ion Ratio Lower Upper
 69 100
 41 7186.7 56.8 85.2#
 39 3181.3 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.488 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

Instrument :

MSVOA_X

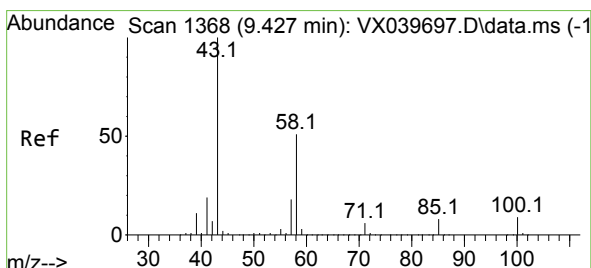
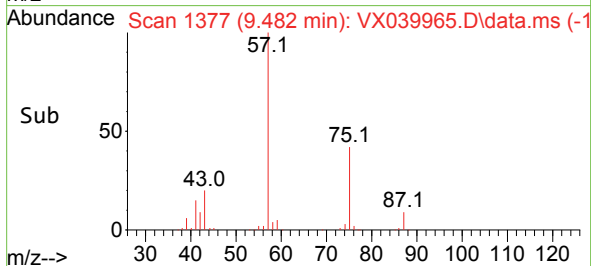
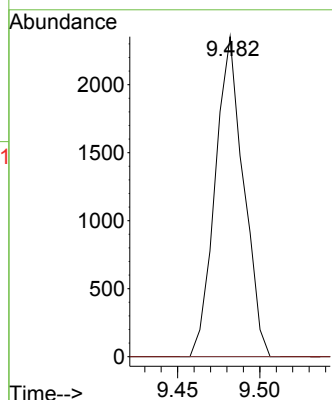
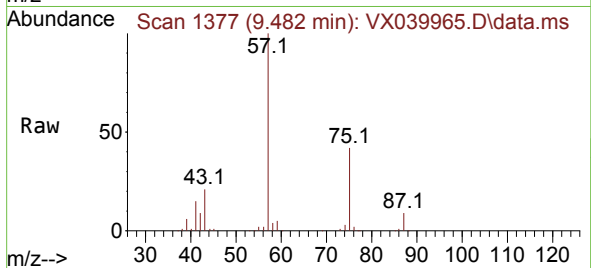
ClientSampleId :

Tgt Ion: 76 Resp: 2821

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 24.094 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX039965.D

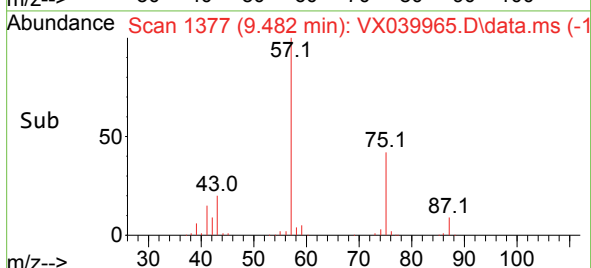
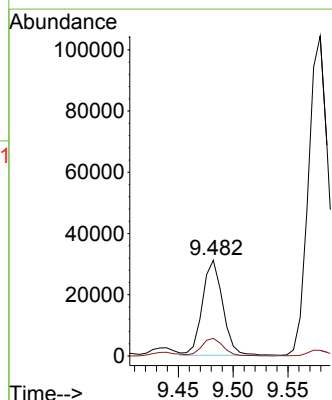
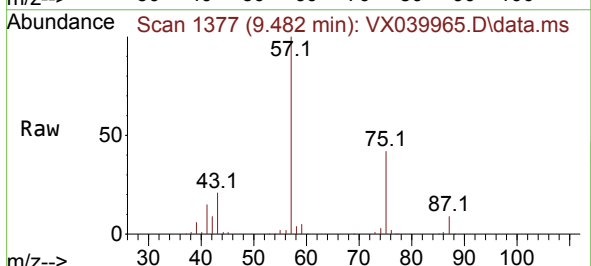
Acq: 25 Jan 2024 19:30

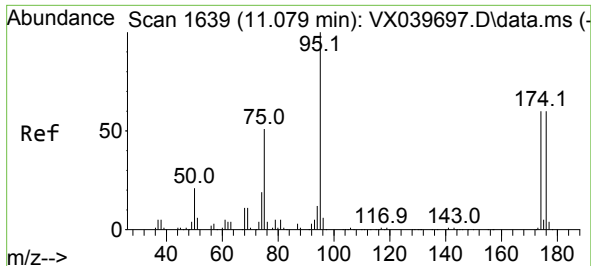
Tgt Ion: 43 Resp: 39922

Ion Ratio Lower Upper

43 100

58 19.8 26.2 78.5#

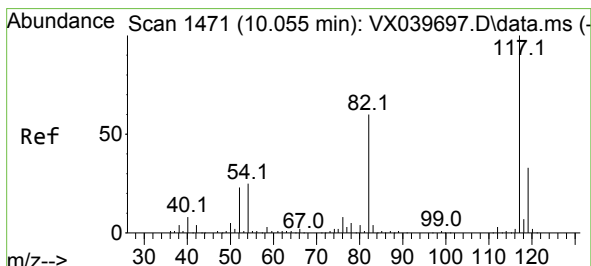
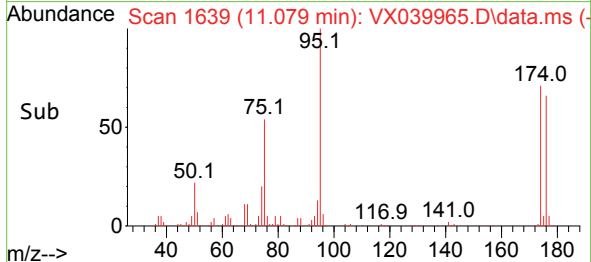
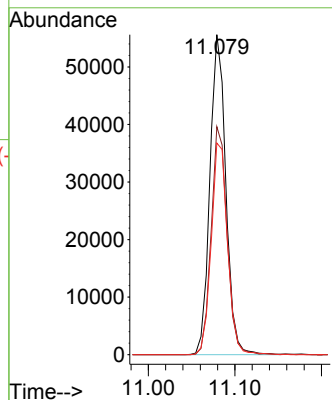
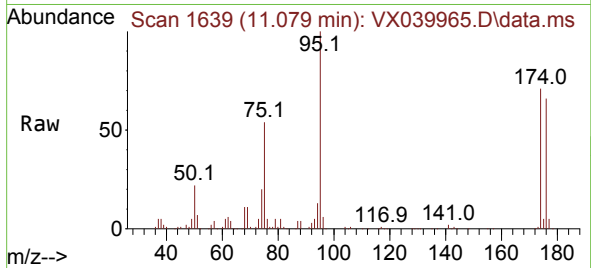




#62
4-Bromofluorobenzene
Concen: 48.283 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

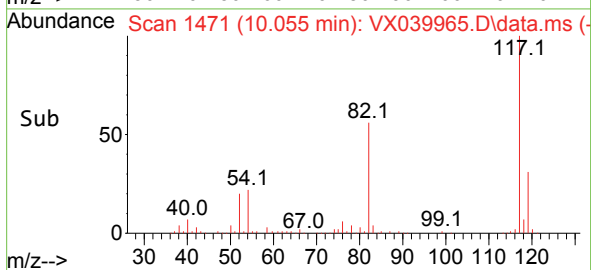
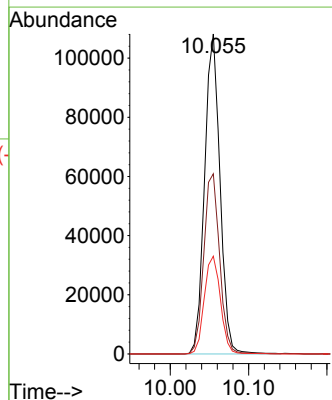
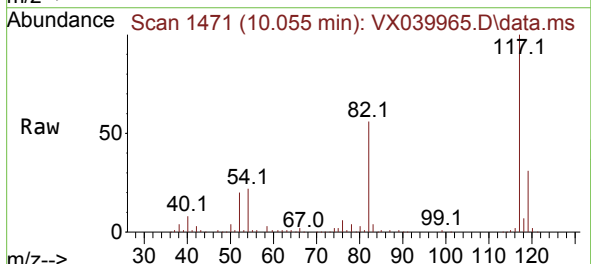
Instrument :
MSVOA_X
ClientSampleId :

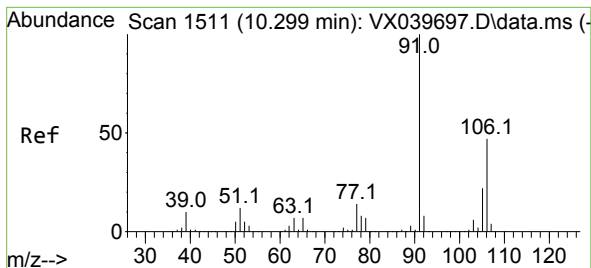
Tgt Ion: 95 Resp: 71063
Ion Ratio Lower Upper
95 100
174 71.2 0.0 135.6
176 67.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Tgt Ion: 117 Resp: 147550
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 30.6 25.5 38.3





#68

m/p-Xylenes

Concen: 0.332 ug/l

RT: 10.305 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

Instrument :

MSVOA_X

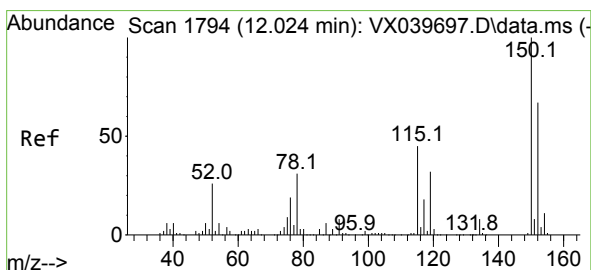
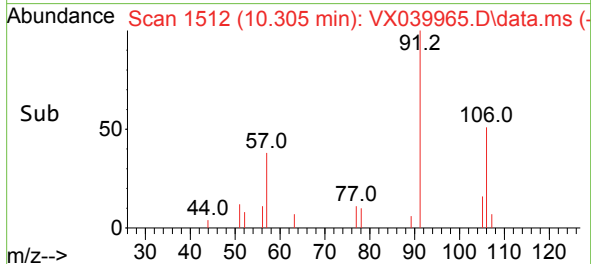
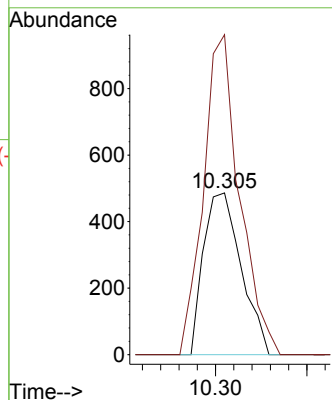
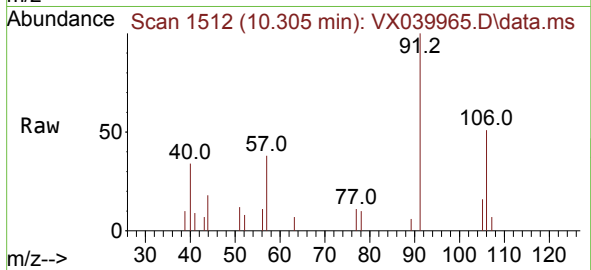
ClientSampleId :

Tgt Ion:106 Resp: 697

Ion Ratio Lower Upper

106 100

91 189.1 165.5 248.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

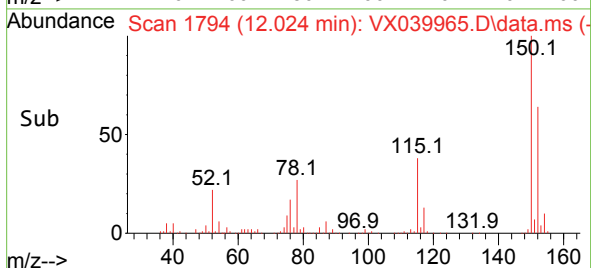
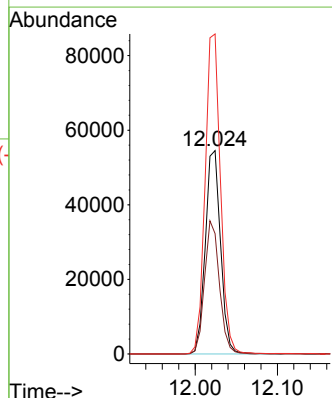
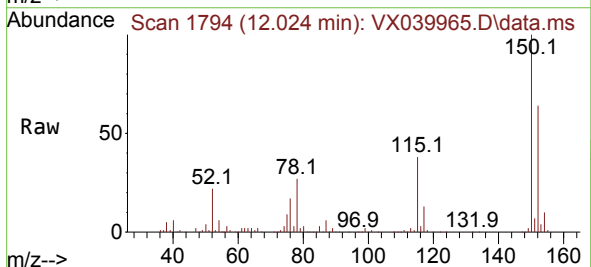
Tgt Ion:152 Resp: 70223

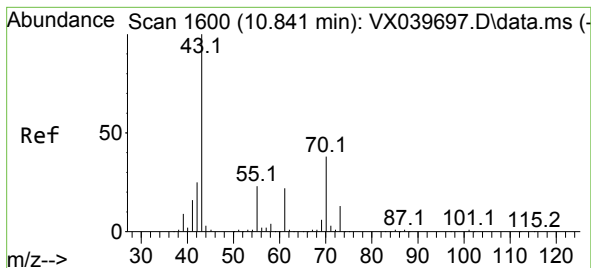
Ion Ratio Lower Upper

152 100

115 63.7 43.3 129.9

150 158.6 0.0 345.0





#74

N-amy1 acetate

Concen: 0.474 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX039965.D

Acq: 25 Jan 2024 19:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 1382

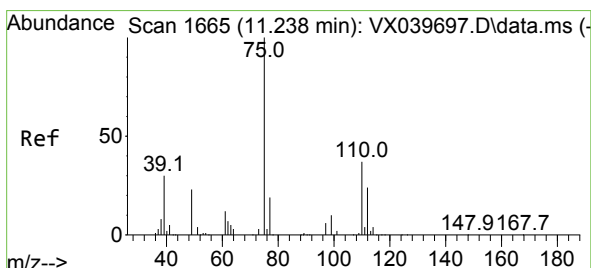
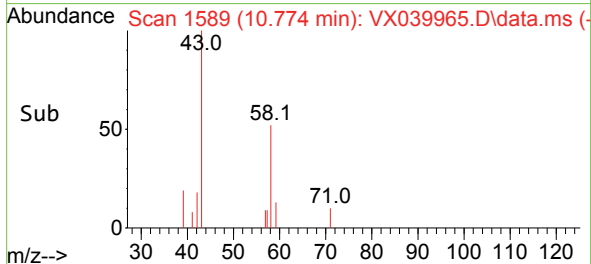
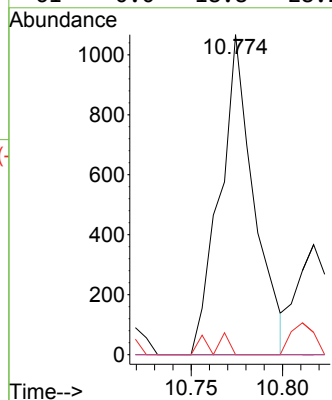
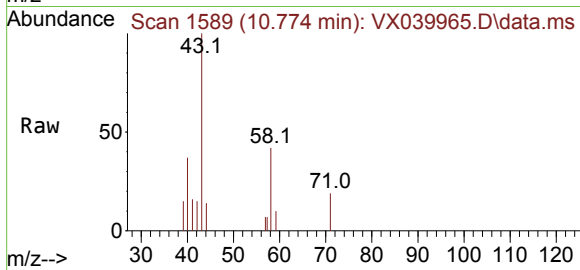
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 3.6 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 21.263 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039965.D

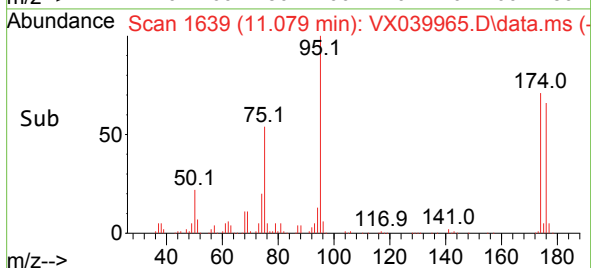
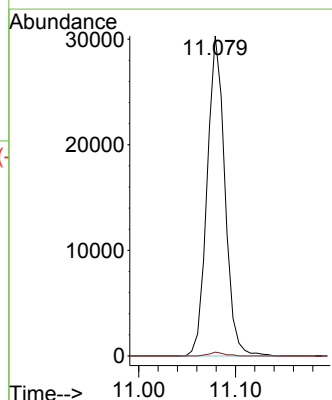
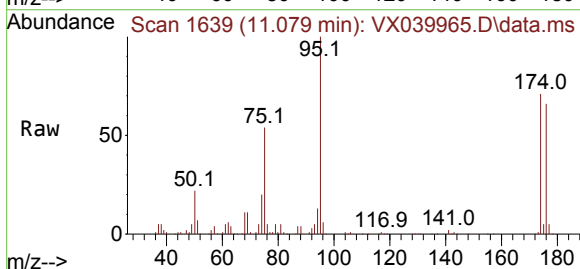
Acq: 25 Jan 2024 19:30

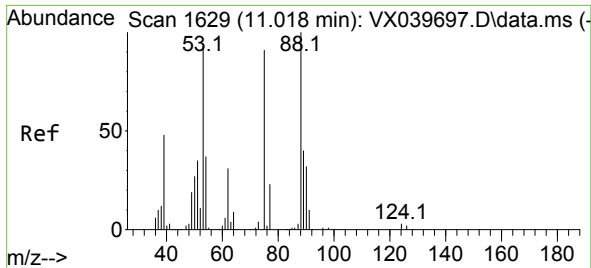
Tgt Ion: 75 Resp: 38711

Ion Ratio Lower Upper

75 100

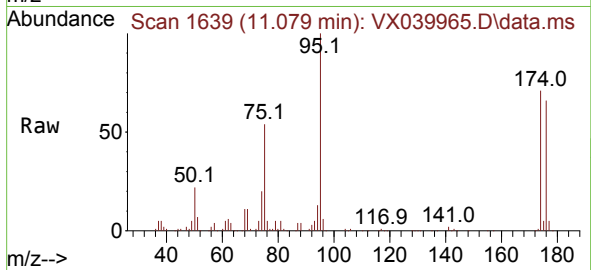
77 1.1 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 61.937 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039965.D
Acq: 25 Jan 2024 19:30

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	75	Resp:	38711
Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	36.9	55.3#

