

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012524\
 Data File : VX039966.D
 Acq On : 25 Jan 2024 19:53
 Operator : JC/MD
 Sample : PB158617ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

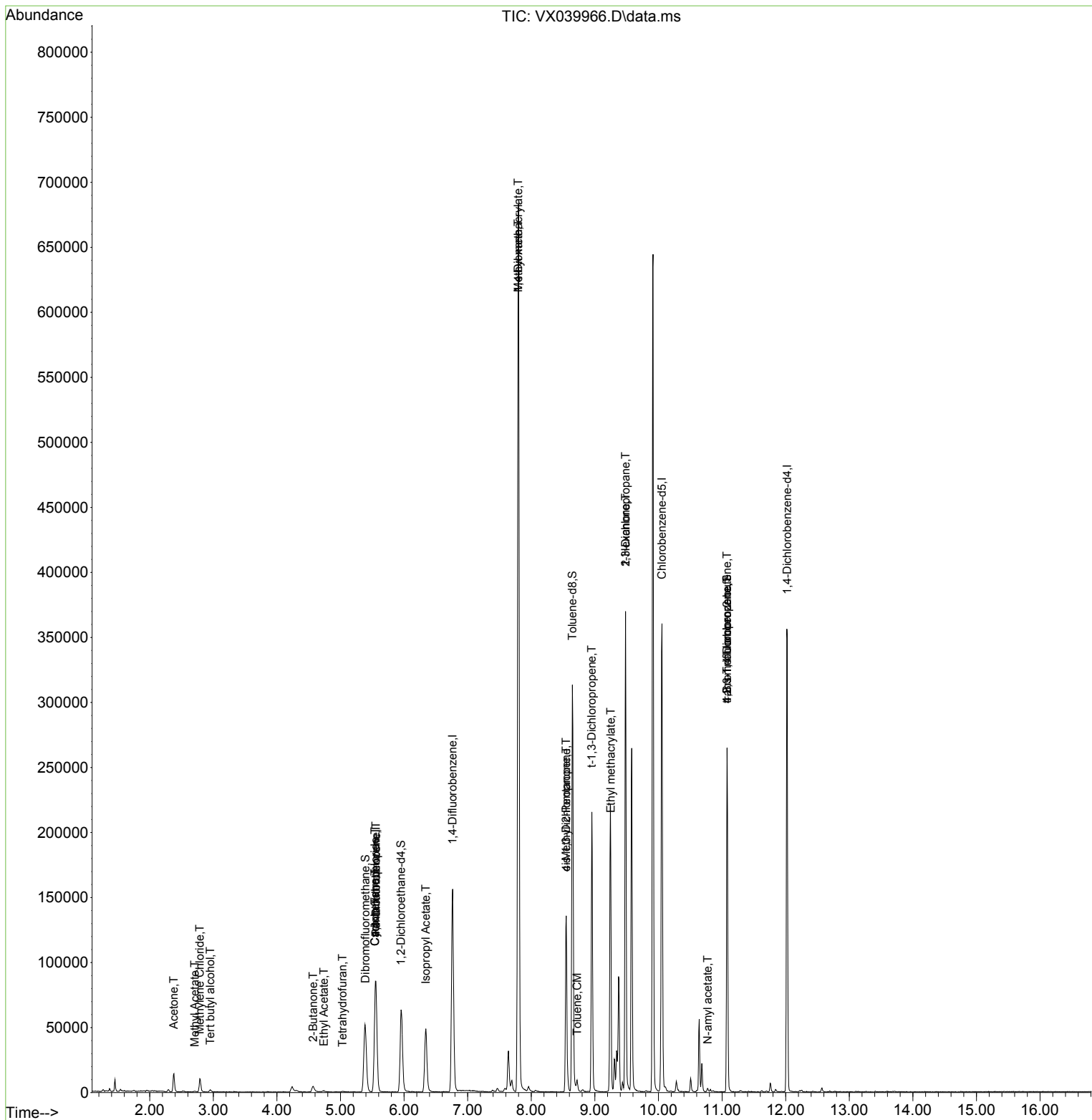
Quant Time: Jan 26 01:40:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

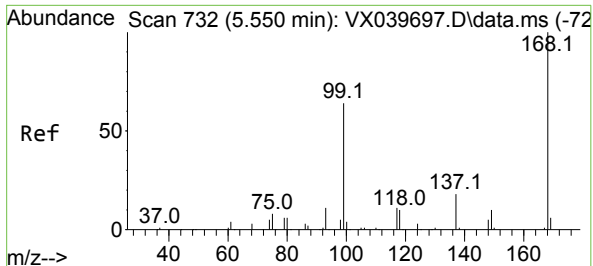
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	76239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	150191	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60354	47.258	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.520%		
35) Dibromofluoromethane	5.391	113	45822	45.296	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.600%		
50) Toluene-d8	8.647	98	184752	48.424	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.840%		
62) 4-Bromofluorobenzene	11.079	95	70361	47.160	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.320%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1666	5.011	ug/l #	90
16) Acetone	2.379	43	14477	20.156	ug/l	92
18) Methyl Acetate	2.709	43	900	0.599	ug/l #	88
20) Methylene Chloride	2.788	84	4478	4.122	ug/l	96
25) 2-Butanone	4.568	43	8539	8.273	ug/l	92
29) Tetrahydrofuran	5.031	42	529	0.796	ug/l #	41
31) Cyclohexane	5.544	56	2045	1.213	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	6794	4.315	ug/l #	51
37) Ethyl Acetate	4.739	43	1766	0.841	ug/l #	79
38) Carbon Tetrachloride	5.544	117	8838	6.128	ug/l #	14
43) Isopropyl Acetate	6.342	43	67902	22.035	ug/l	99
48) Methyl methacrylate	7.793	41	60821	40.154	ug/l #	48
49) 1,4-Dioxane	7.793	88	21	0.717	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	49843	23.485	ug/l #	50
52) Toluene	8.720	92	2563	0.962	ug/l	95
53) t-1,3-Dichloropropene	8.951	75	407	0.251	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	21053	11.793	ug/l #	61
56) Ethyl methacrylate	9.250	69	447	0.244	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2777	1.445	ug/l #	42
59) 2-Hexanone	9.482	43	44547	26.521	ug/l #	53
74) N-amyl acetate	10.774	43	1673	0.570	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	38009	20.719	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	38009	60.524	ug/l #	5

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

Quant Time: Jan 26 01:40:44 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

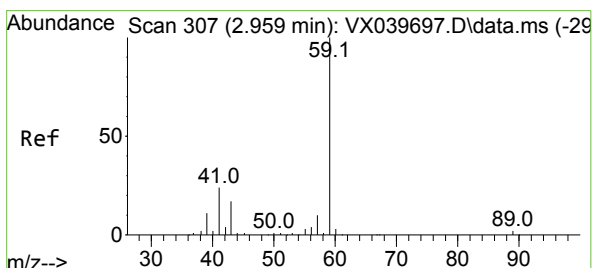
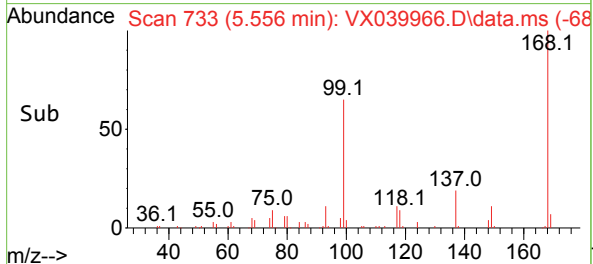
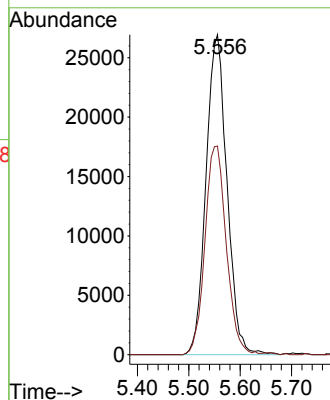
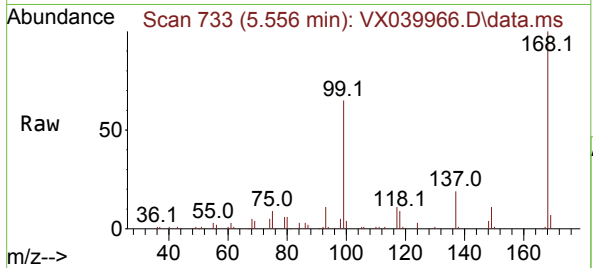




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

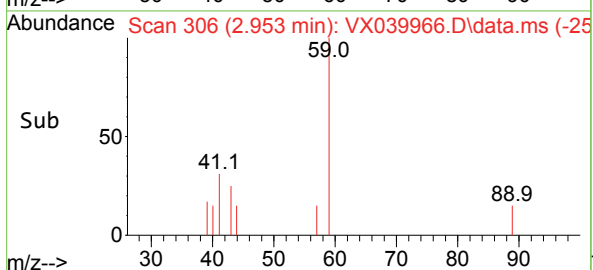
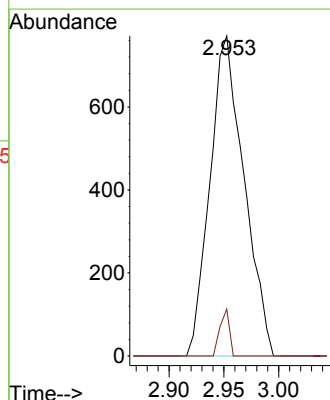
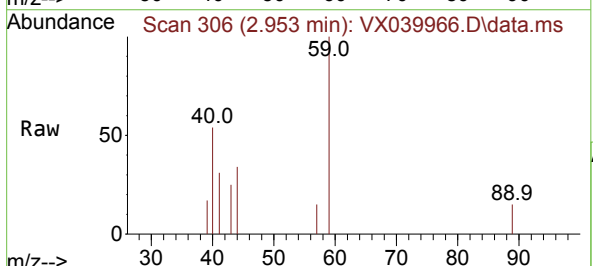
Instrument :
MSVOA_X
ClientSampleId :

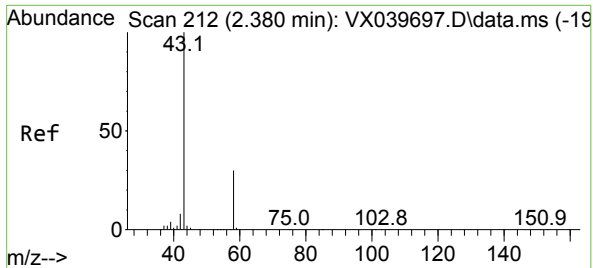
Tgt Ion:168 Resp: 76239
Ion Ratio Lower Upper
168 100
99 65.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 5.011 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

Tgt Ion: 59 Resp: 1666
Ion Ratio Lower Upper
59 100
57 4.0 6.0 9.0#

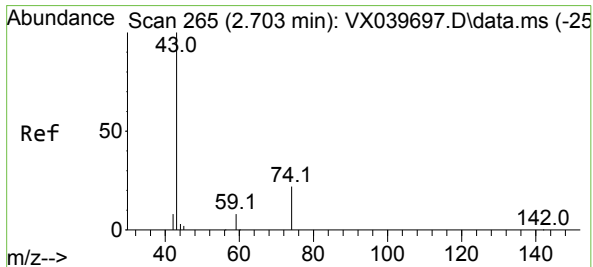
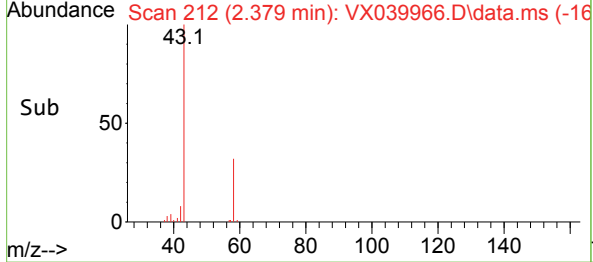
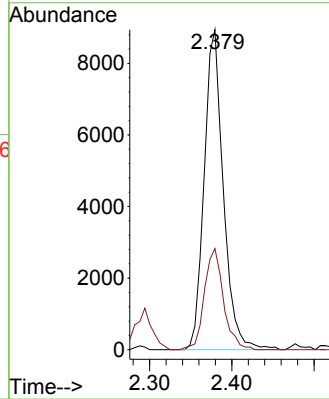
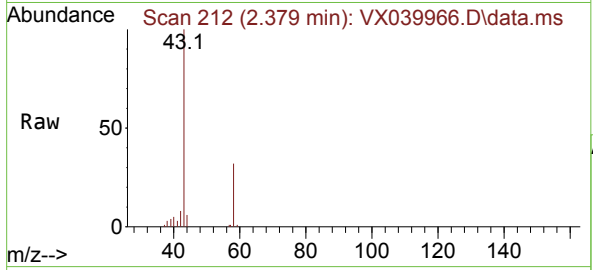




#16
Acetone
Concen: 20.156 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

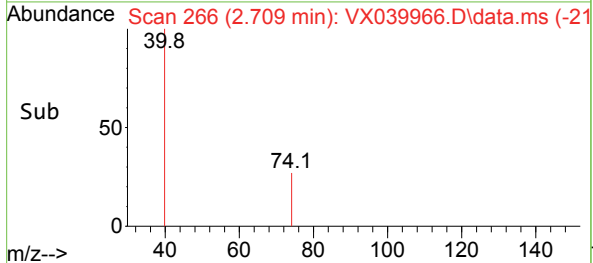
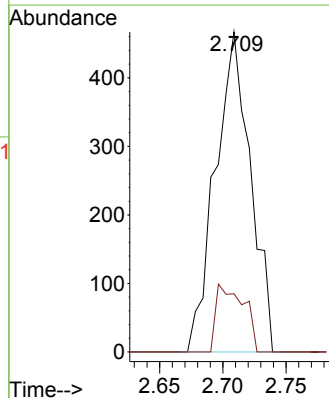
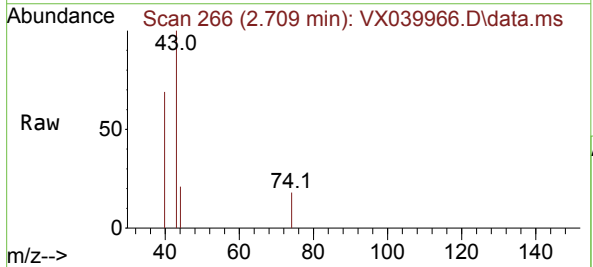
Instrument :
MSVOA_X
ClientSampleId :

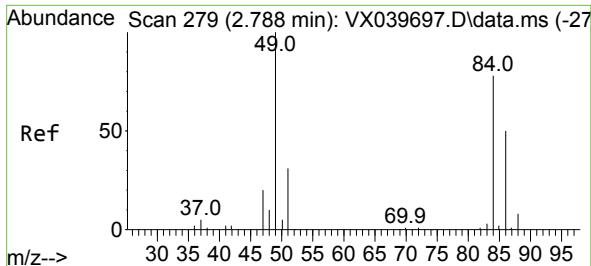
Tgt Ion: 43 Resp: 14477
Ion Ratio Lower Upper
43 100
58 31.6 21.9 32.9



#18
Methyl Acetate
Concen: 0.599 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
74 16.7 17.8 26.8#





#20

Methylene Chloride

Concen: 4.122 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

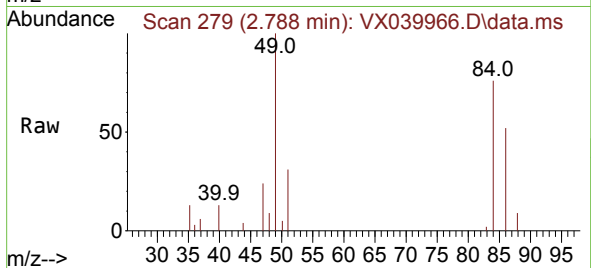
Lab File: VX039966.D

Acq: 25 Jan 2024 19:53

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 4478

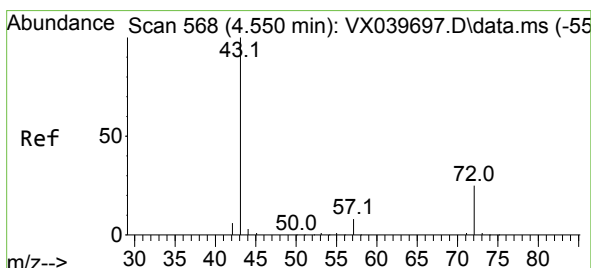
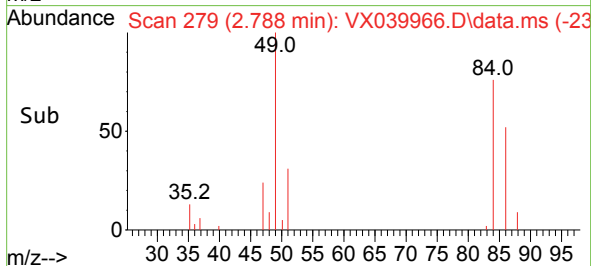
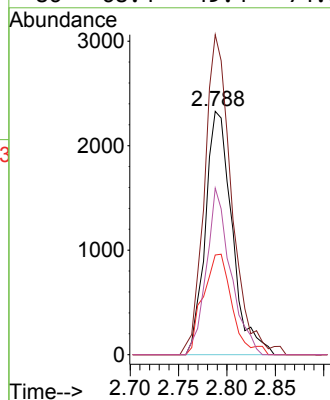
Ion Ratio Lower Upper

84 100

49 131.5 103.6 155.4

51 41.0 33.8 50.6

86 68.4 49.4 74.0



#25

2-Butanone

Concen: 8.273 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.018 min

Lab File: VX039966.D

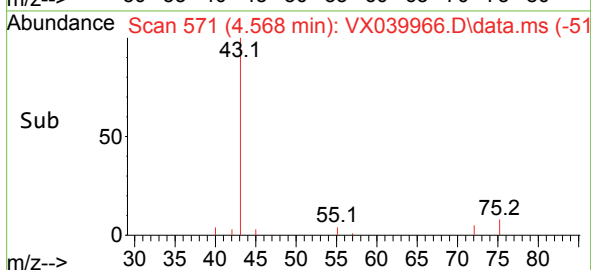
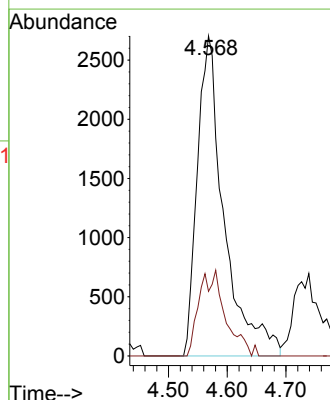
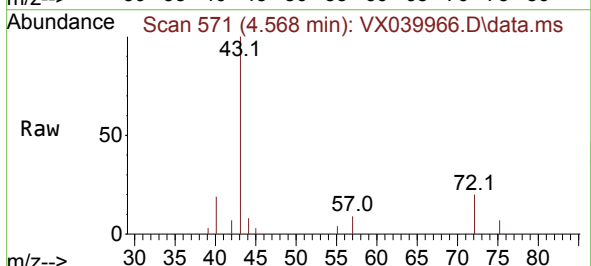
Acq: 25 Jan 2024 19:53

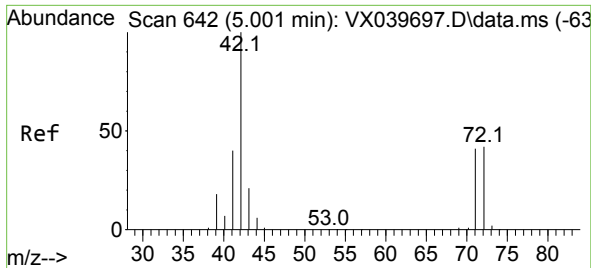
Tgt Ion: 43 Resp: 8539

Ion Ratio Lower Upper

43 100

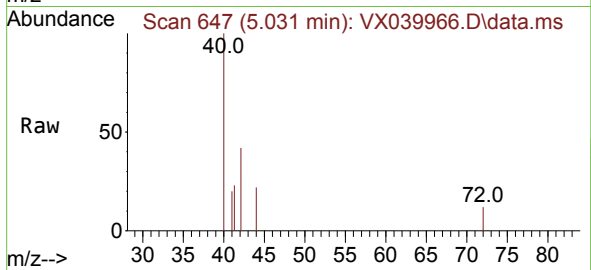
72 20.2 19.4 29.2



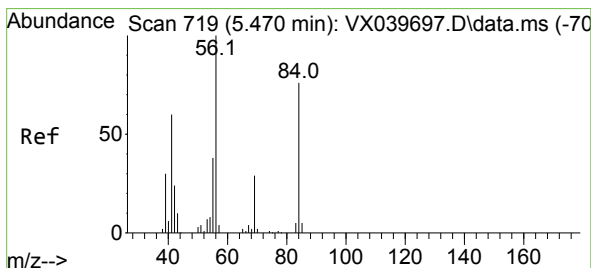
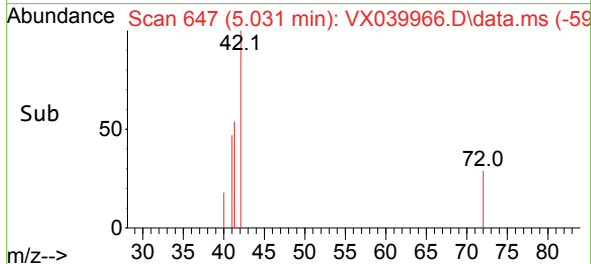
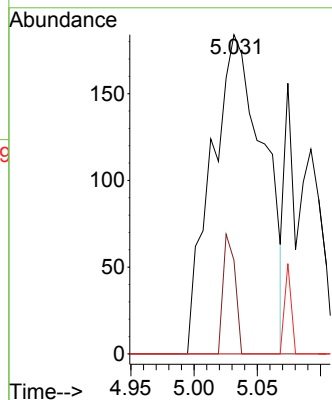


#29
Tetrahydrofuran
Concen: 0.796 ug/l
RT: 5.031 min Scan# 642
Delta R.T. 0.030 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

Instrument :
MSVOA_X
ClientSampleId :

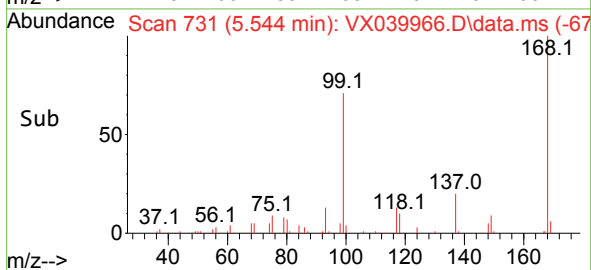
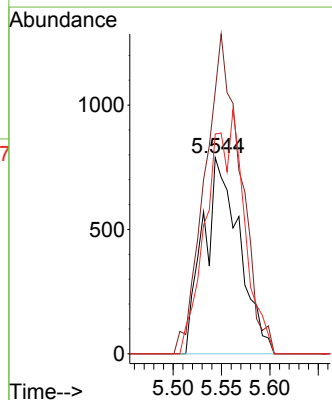
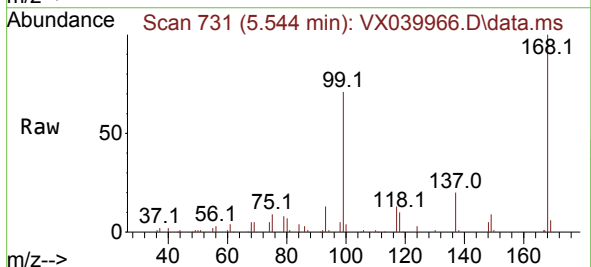


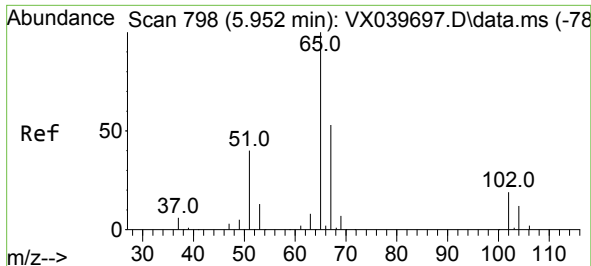
Tgt Ion: 42 Resp: 529
Ion Ratio Lower Upper
42 100
72 8.5 34.2 51.4#
71 0.0 32.2 48.2#



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

Tgt Ion: 56 Resp: 2045
Ion Ratio Lower Upper
56 100
69 133.8 23.4 35.2#
84 112.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.258 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039966.D

Acq: 25 Jan 2024 19:53

Instrument :

MSVOA_X

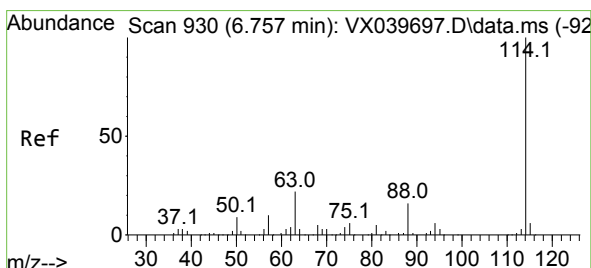
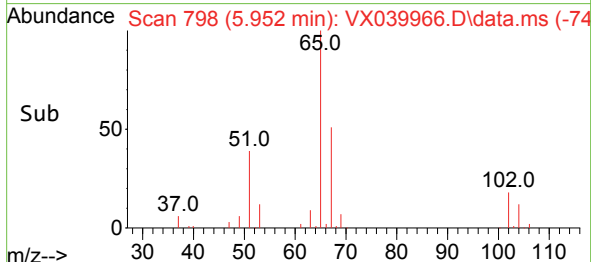
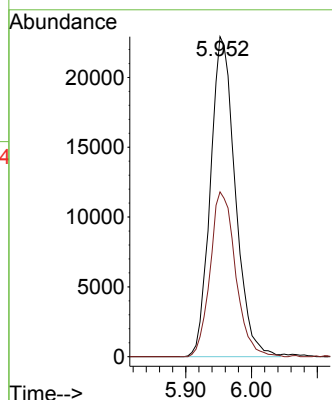
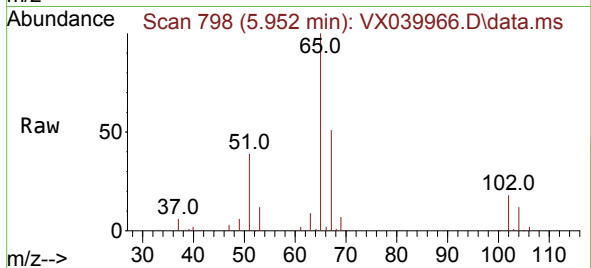
ClientSampleId :

Tgt Ion: 65 Resp: 60354

Ion Ratio Lower Upper

65 100

67 52.5 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: VX039966.D

Acq: 25 Jan 2024 19:53

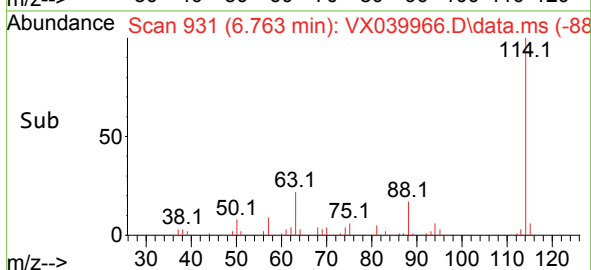
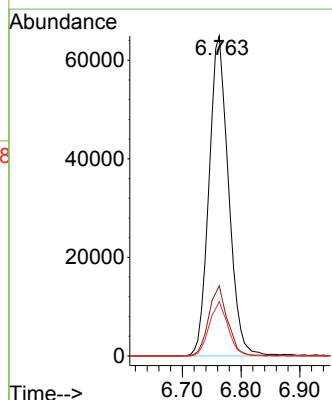
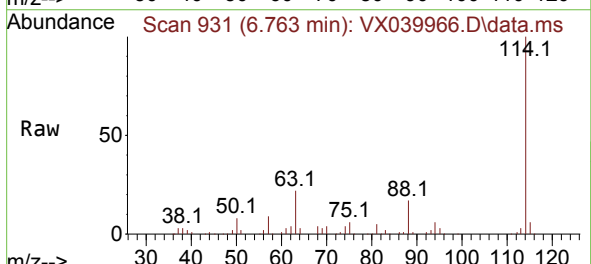
Tgt Ion: 114 Resp: 150191

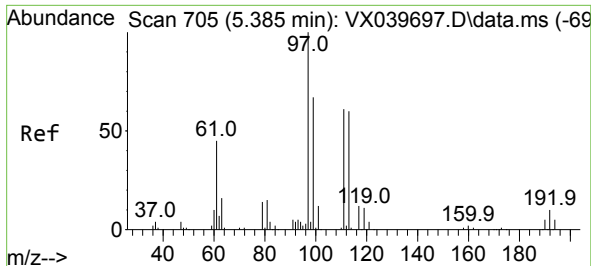
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

88 17.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.296 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

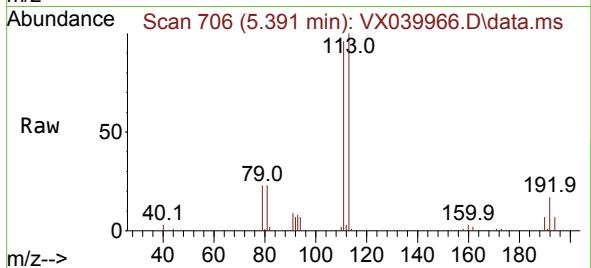
Lab File: VX039966.D

Acq: 25 Jan 2024 19:53

Instrument :

MSVOA_X

ClientSampleId :



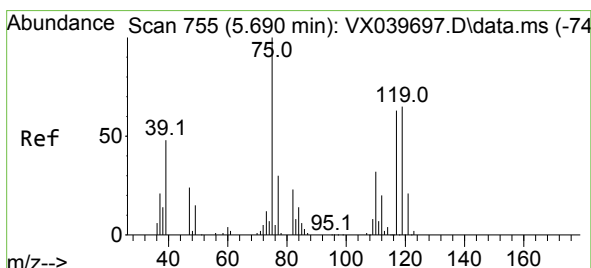
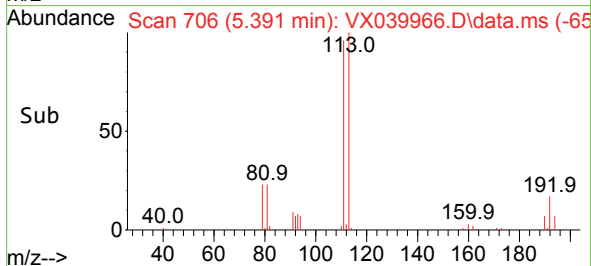
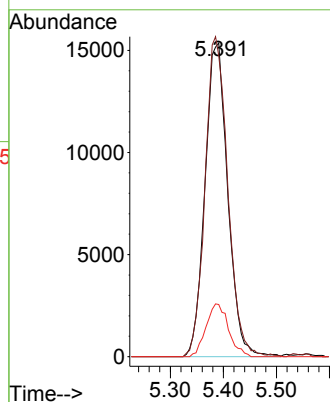
Tgt Ion:113 Resp: 45822

Ion Ratio Lower Upper

113 100

111 101.4 82.9 124.3

192 16.6 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.315 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX039966.D

Acq: 25 Jan 2024 19:53

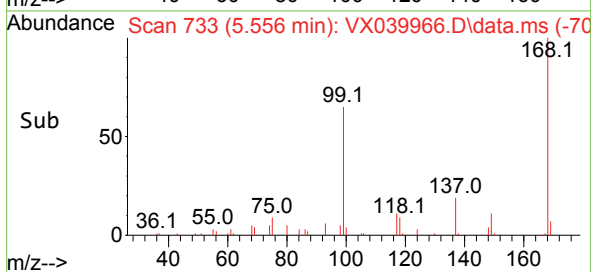
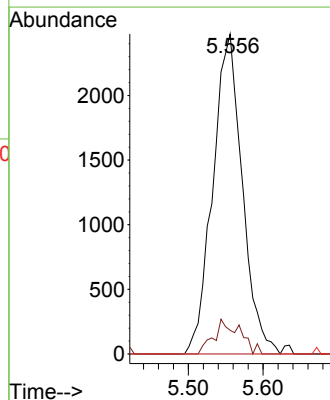
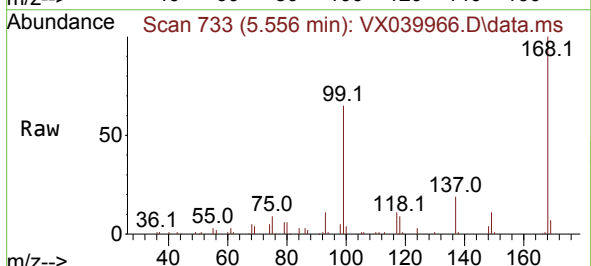
Tgt Ion: 75 Resp: 6794

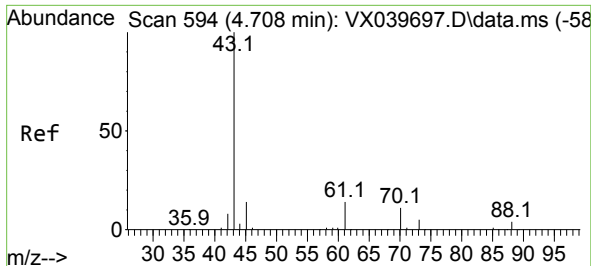
Ion Ratio Lower Upper

75 100

110 9.6 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.841 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.030 min

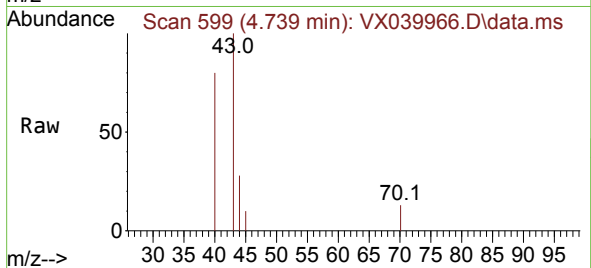
Lab File: VX039966.D

Acq: 25 Jan 2024 19:53

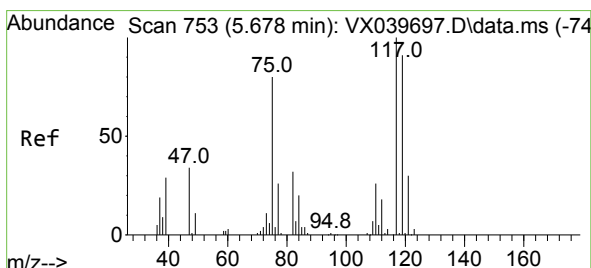
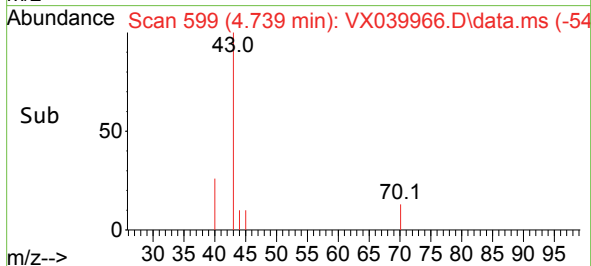
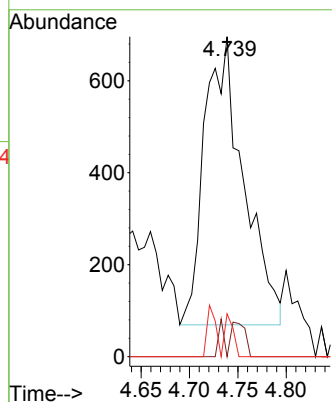
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1766
Ion	Ratio	Lower	Upper
43	100		
61	4.3	10.6	16.0#
70	3.2	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.128 ug/l

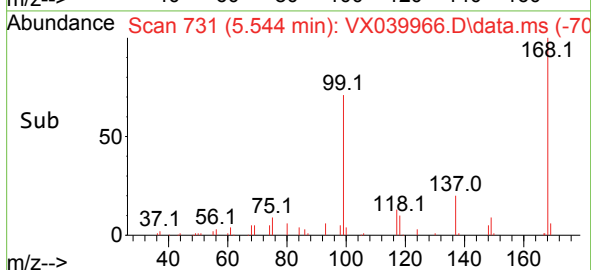
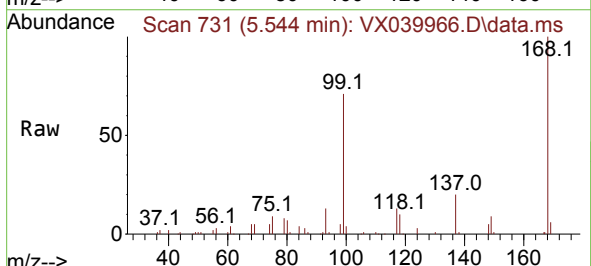
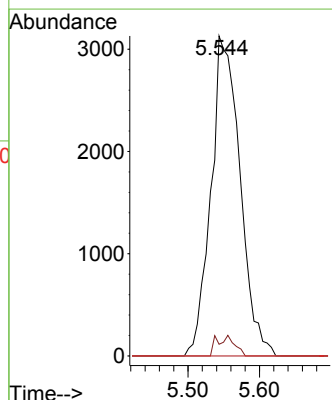
RT: 5.544 min Scan# 731

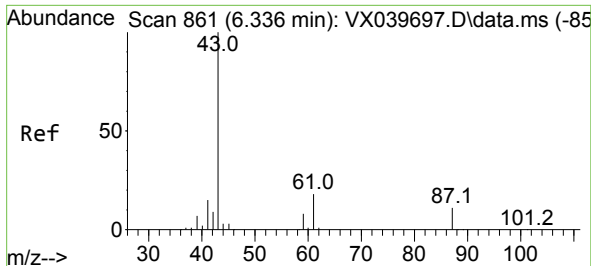
Delta R.T. -0.134 min

Lab File: VX039966.D

Acq: 25 Jan 2024 19:53

Tgt Ion:	117	Resp:	8838
Ion	Ratio	Lower	Upper
117	100		
119	3.6	78.2	117.2#
121	0.0	24.4	36.6#

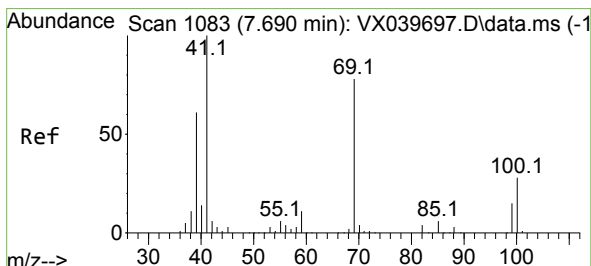
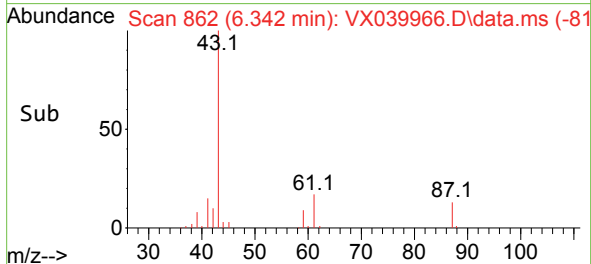
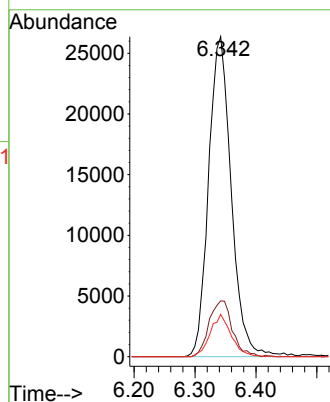
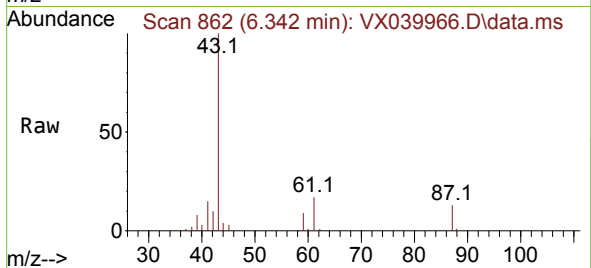




#43
Isopropyl Acetate
Concen: 22.035 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

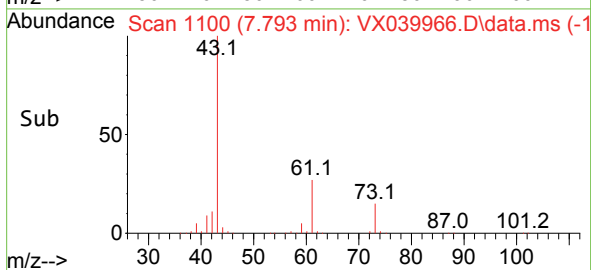
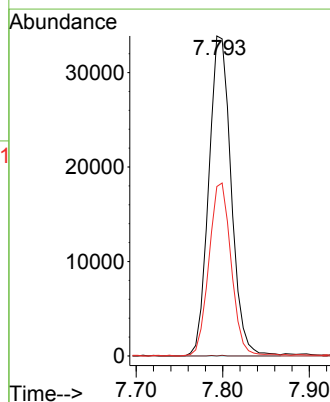
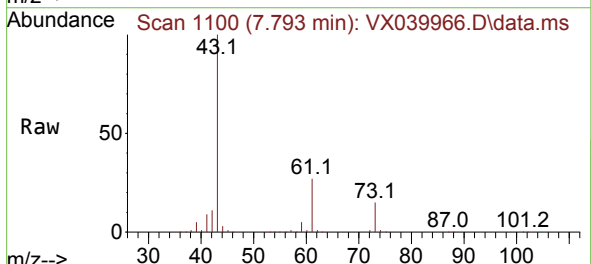
Instrument :
MSVOA_X
ClientSampleId :

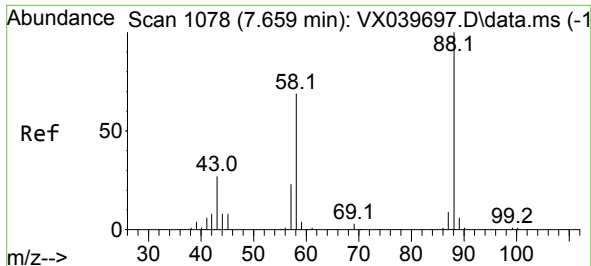
Tgt Ion: 43 Resp: 67902
Ion Ratio Lower Upper
43 100
61 17.9 15.2 22.8
87 12.3 9.8 14.6



#48
Methyl methacrylate
Concen: 40.154 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

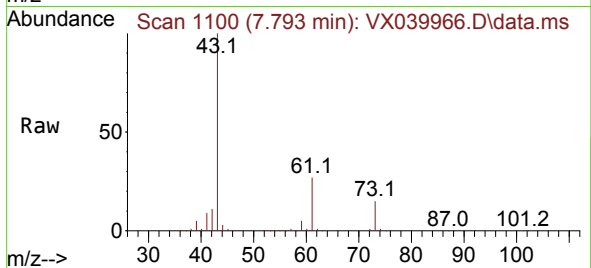
Tgt Ion: 41 Resp: 60821
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 54.0 47.7 71.5



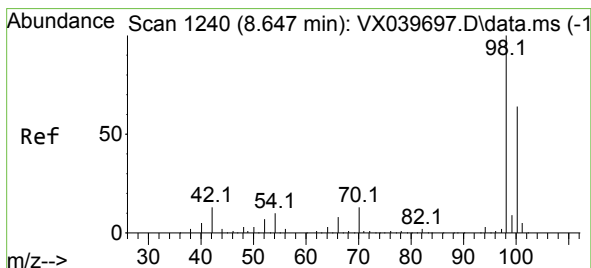
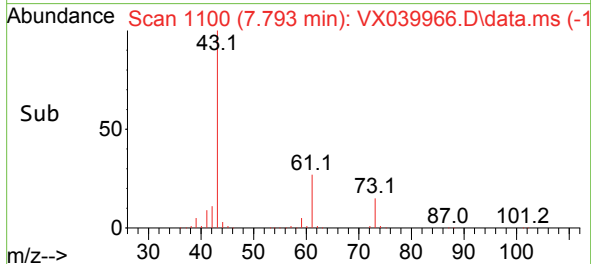
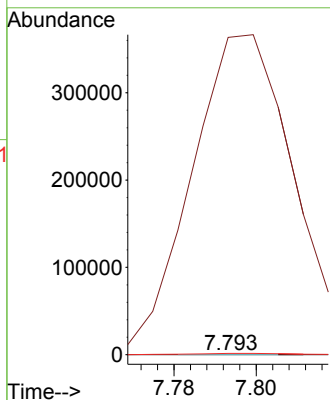


#49
1,4-Dioxane
Concen: 0.717 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

Instrument :
MSVOA_X
ClientSampleId :

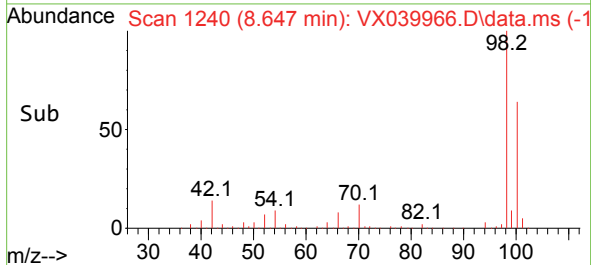
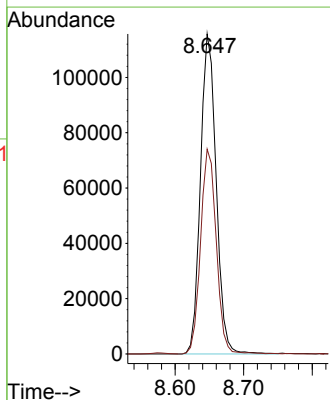
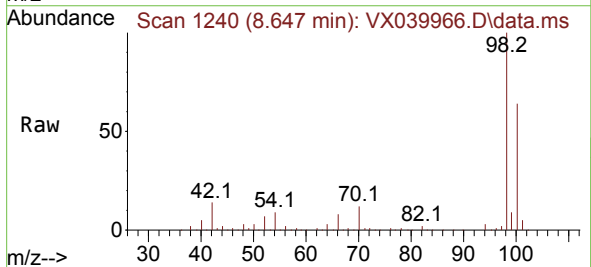


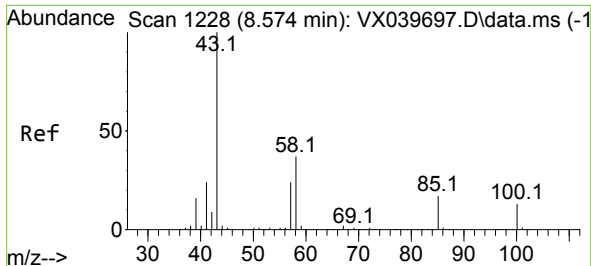
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 3097266.7 0.0 0.0#
58 12661.9 60.1 90.1#



#50
Toluene-d8
Concen: 48.424 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

Tgt Ion: 98 Resp: 184752
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

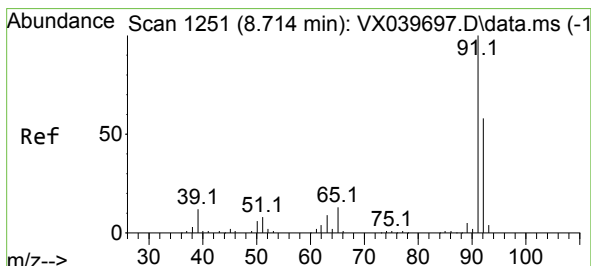
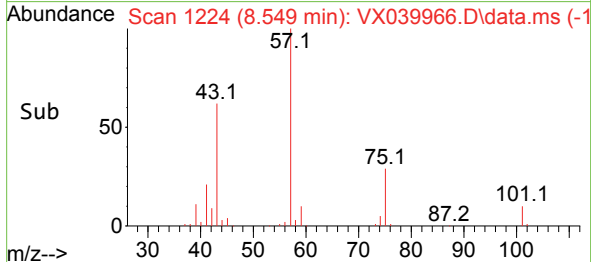
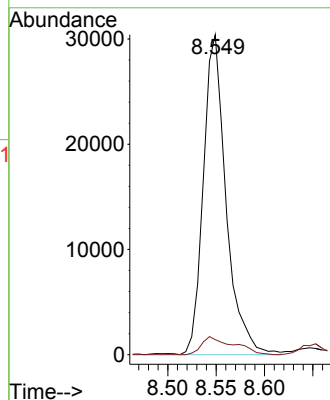
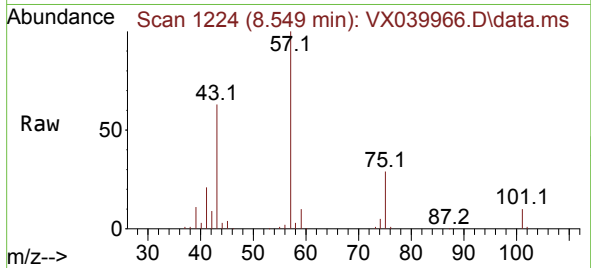




#51
4-Methyl-2-Pentanone
Concen: 23.485 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

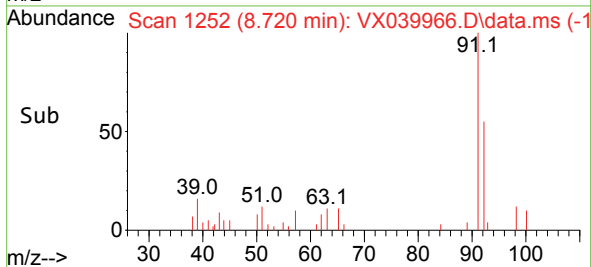
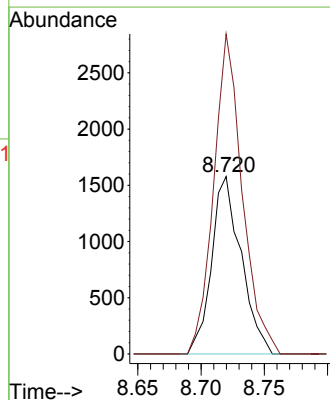
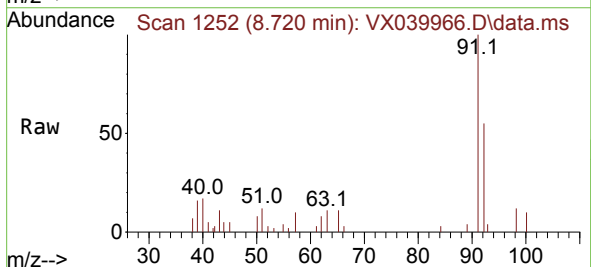
Instrument :
MSVOA_X
ClientSampleId :

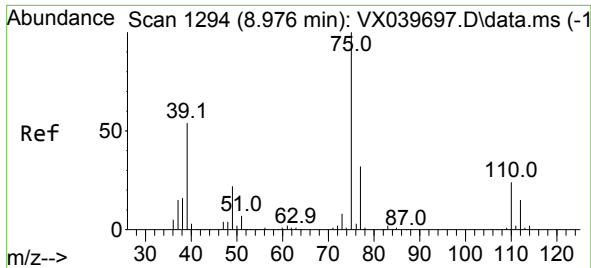
Tgt Ion: 43 Resp: 49843
Ion Ratio Lower Upper
43 100
58 7.9 30.4 45.6#



#52
Toluene
Concen: 0.962 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

Tgt Ion: 92 Resp: 2563
Ion Ratio Lower Upper
92 100
91 174.8 134.2 201.2

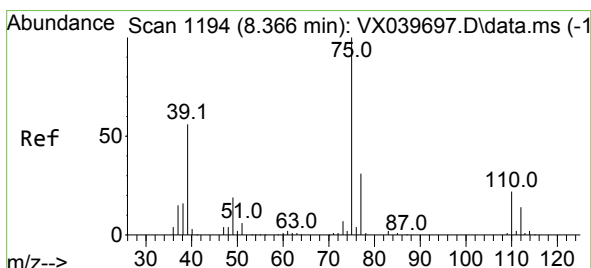
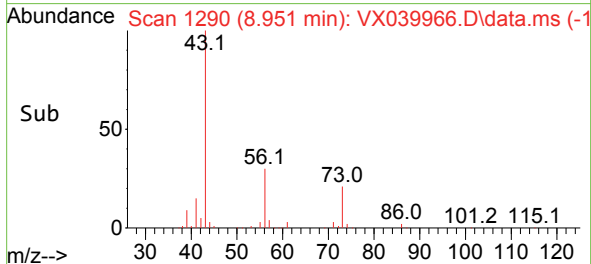
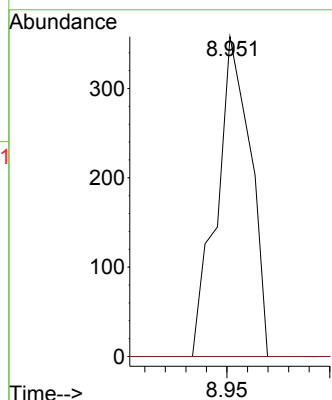
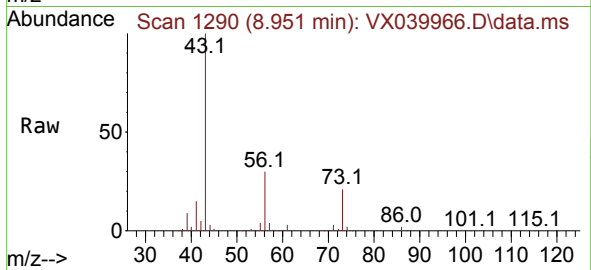




#53
 t-1,3-Dichloropropene
 Concen: 0.251 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX039966.D
 Acq: 25 Jan 2024 19:53

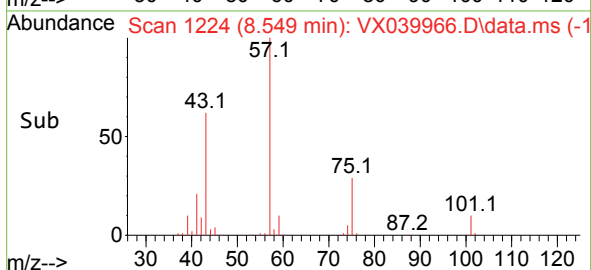
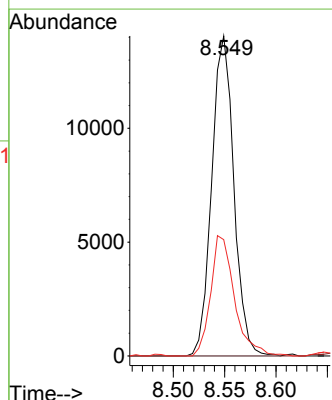
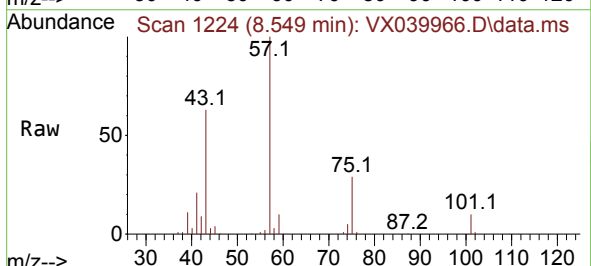
Instrument :
 MSVOA_X
 ClientSampleId :

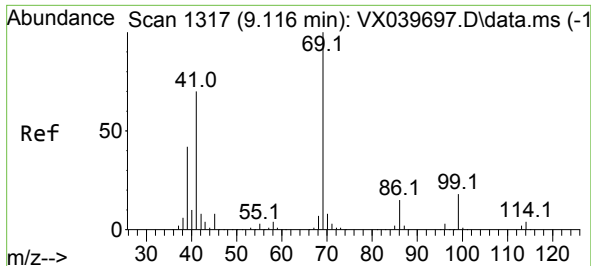
Tgt Ion: 75 Resp: 407
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.793 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039966.D
 Acq: 25 Jan 2024 19:53

Tgt Ion: 75 Resp: 21053
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 36.4 46.7 70.1#

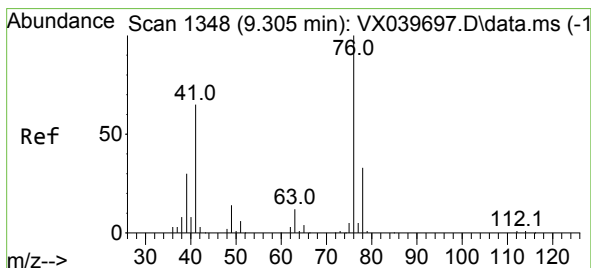
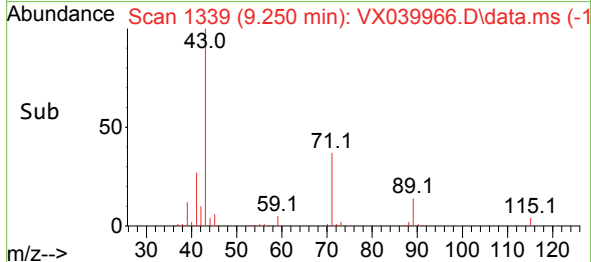
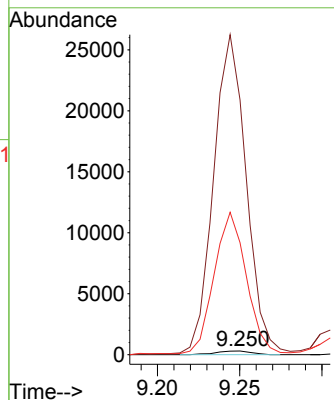
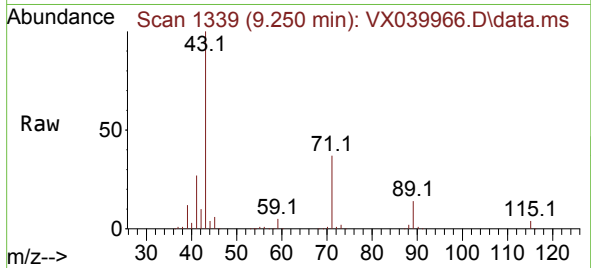




#56
Ethyl methacrylate
Concen: 0.244 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.134 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

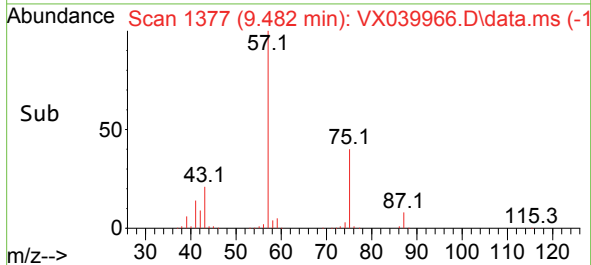
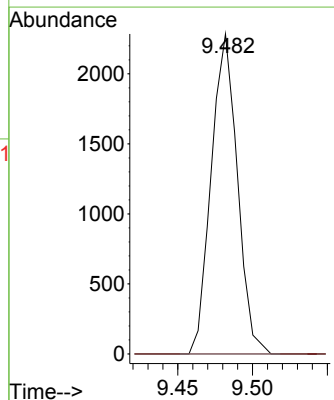
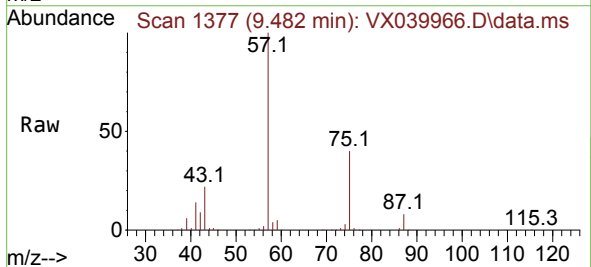
Instrument :
MSVOA_X
ClientSampleId :

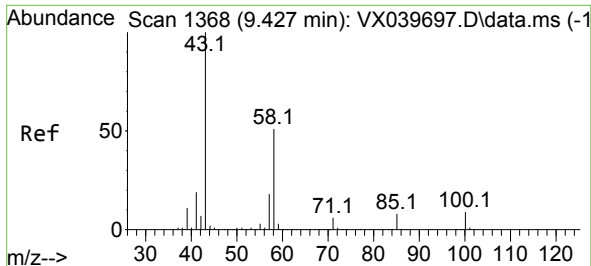
Tgt Ion: 69 Resp: 447
Ion Ratio Lower Upper
69 100
41 8165.8 56.8 85.2#
39 3517.0 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.445 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

Tgt Ion: 76 Resp: 2777
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

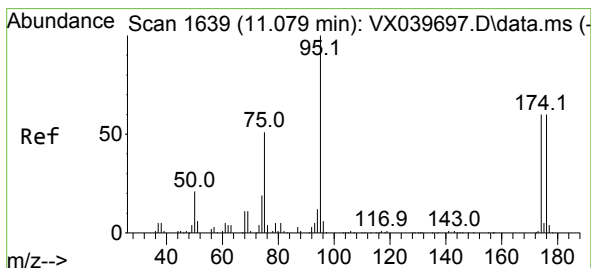
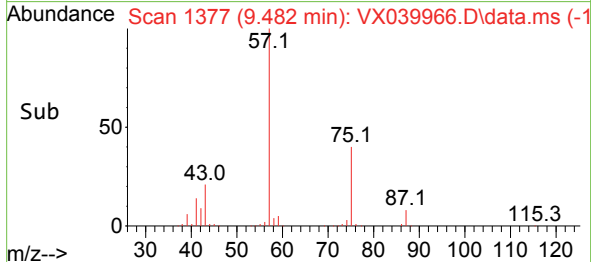
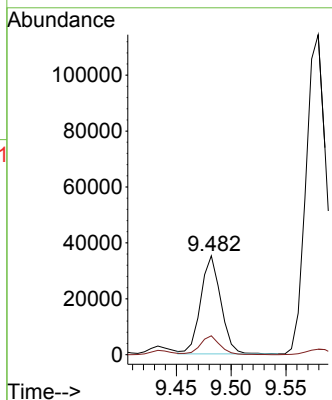
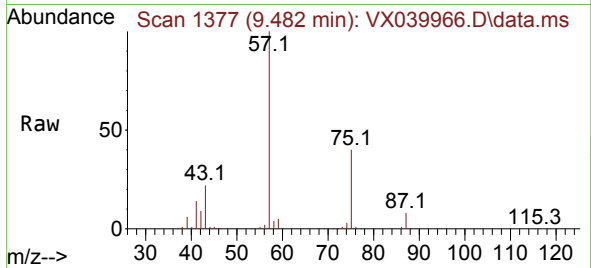




#59
2-Hexanone
Concen: 26.521 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

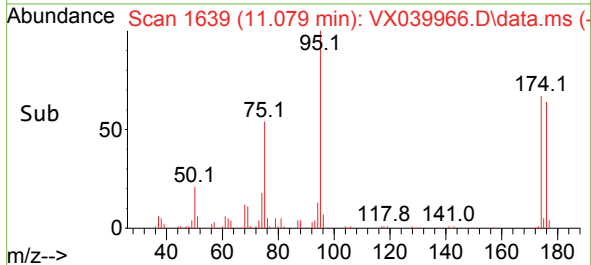
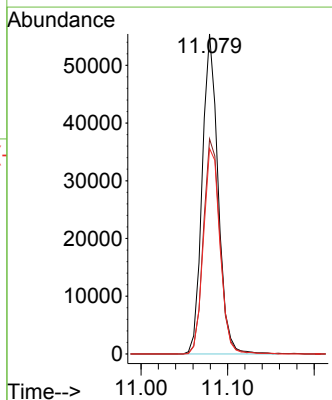
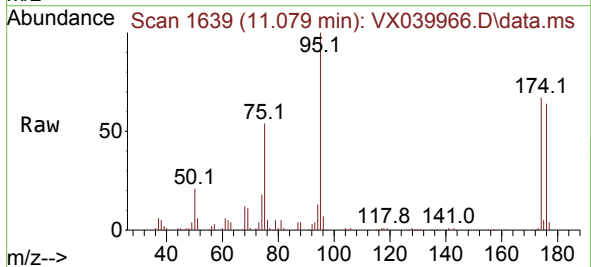
Instrument :
MSVOA_X
ClientSampleId :

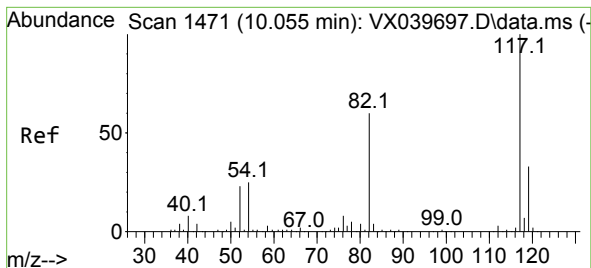
Tgt Ion: 43 Resp: 44547
Ion Ratio Lower Upper
43 100
58 18.9 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 47.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039966.D
Acq: 25 Jan 2024 19:53

Tgt Ion: 95 Resp: 70361
Ion Ratio Lower Upper
95 100
174 70.4 0.0 135.6
176 67.5 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: VX039966.D

Acq: 25 Jan 2024 19:53

Instrument :

MSVOA_X

ClientSampleId :

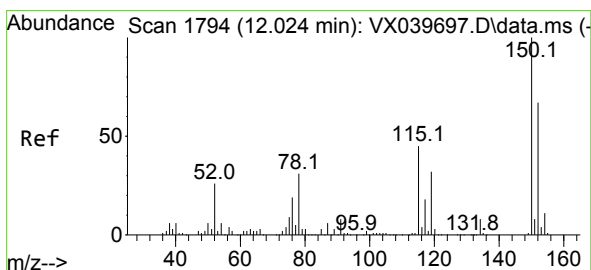
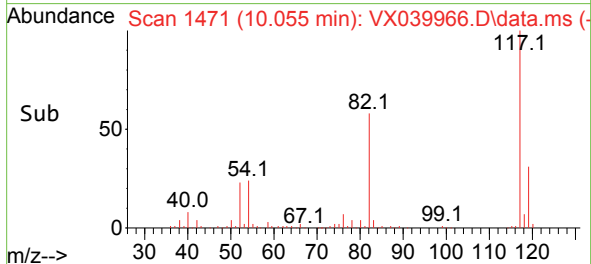
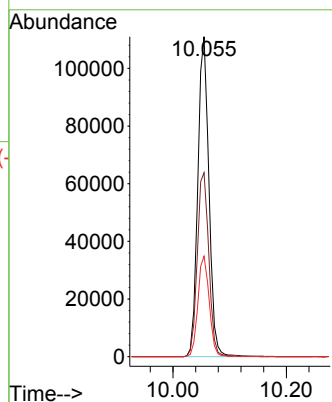
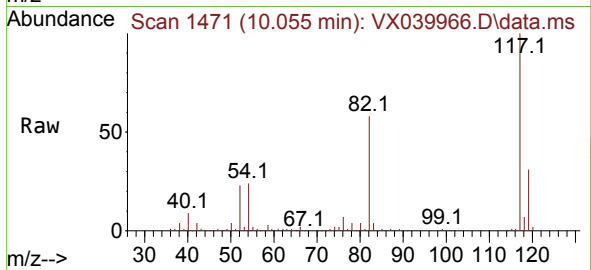
Tgt Ion:117 Resp: 150920

Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.4

119 31.4 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX039966.D

Acq: 25 Jan 2024 19:53

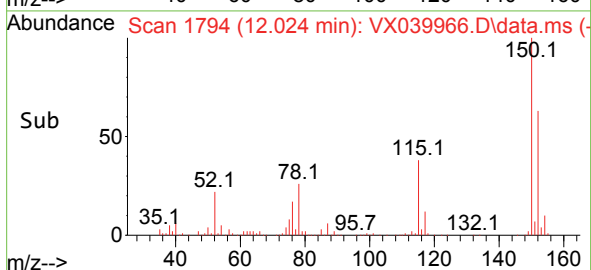
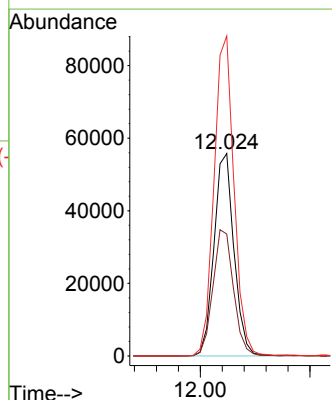
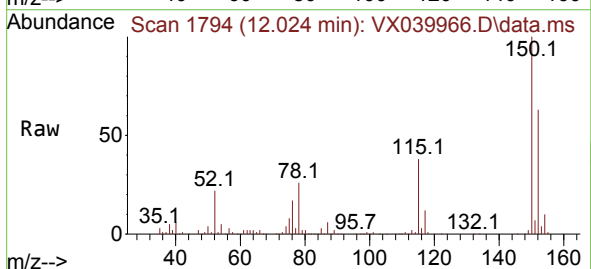
Tgt Ion:152 Resp: 70758

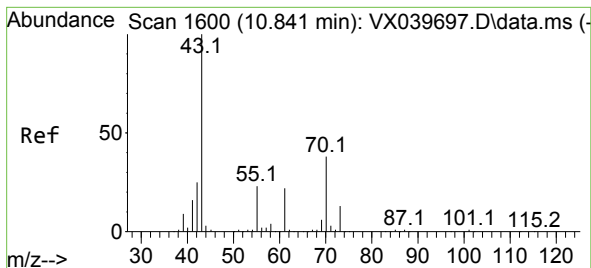
Ion Ratio Lower Upper

152 100

115 64.1 43.3 129.9

150 157.9 0.0 345.0





#74

N-amy1 acetate

Concen: 0.570 ug/l

RT: 10.774 min Scan# 1639

Delta R.T. -0.067 min

Lab File: VX039966.D

Acq: 25 Jan 2024 19:53

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 1673

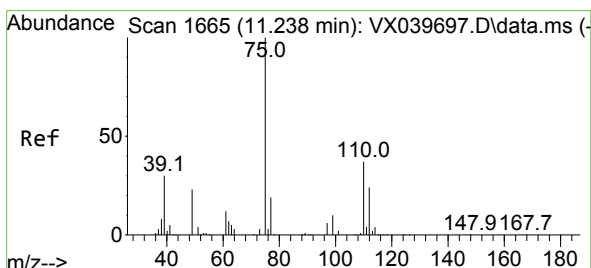
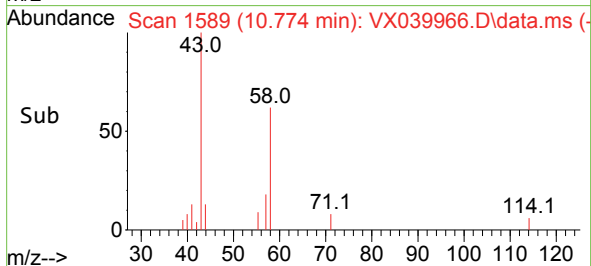
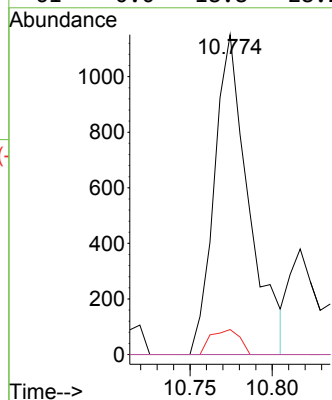
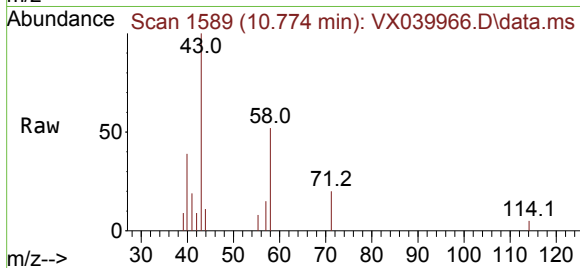
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 6.6 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 20.719 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039966.D

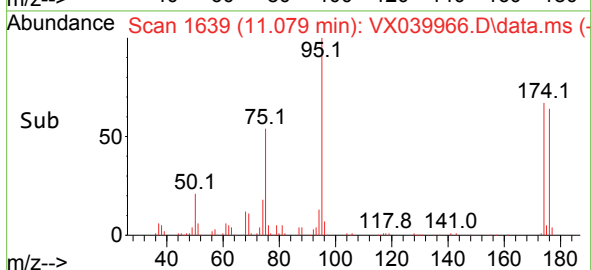
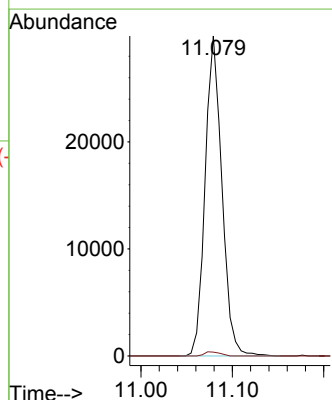
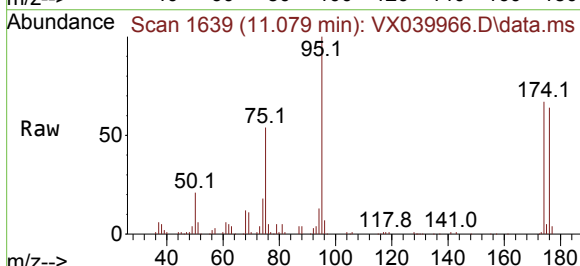
Acq: 25 Jan 2024 19:53

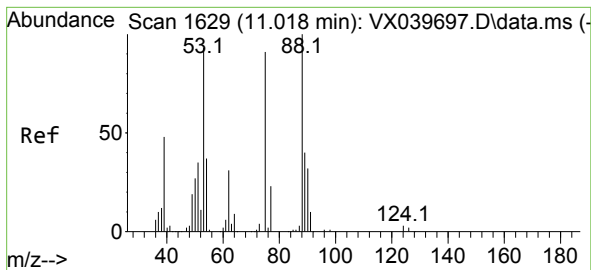
Tgt Ion: 75 Resp: 38009

Ion Ratio Lower Upper

75 100

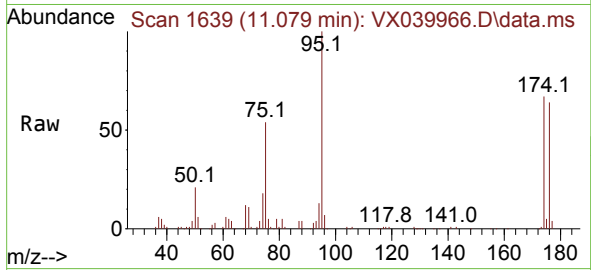
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.524 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039966.D
 Acq: 25 Jan 2024 19:53

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 38009
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

