

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012524\
 Data File : VX039964.D
 Acq On : 25 Jan 2024 19:07
 Operator : JC/MD
 Sample : PB158617ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 26 01:39:48 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)

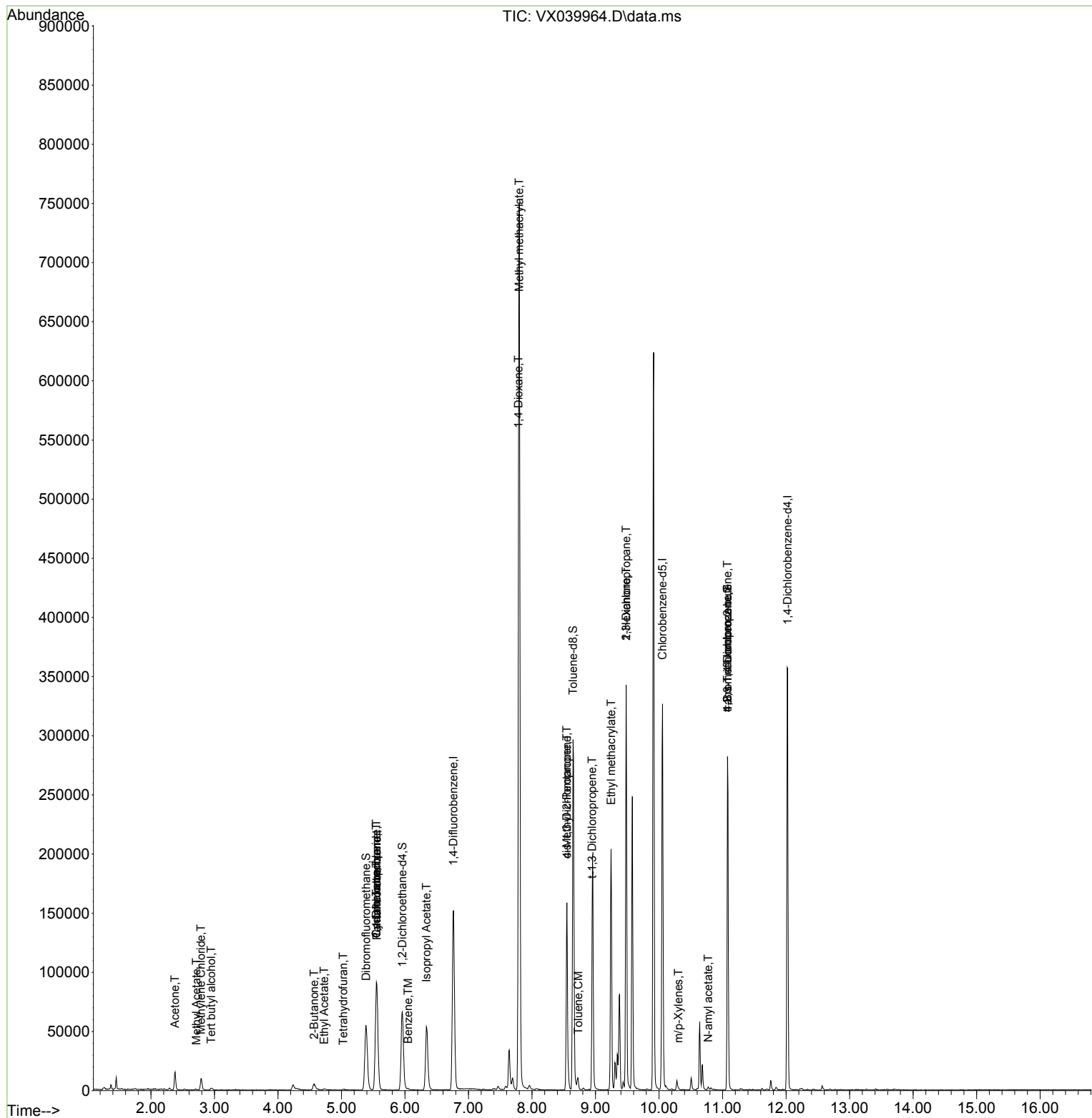
Internal Standards						
1) Pentafluorobenzene	5.556	168	80070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	147648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64076	47.772	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.540%		
35) Dibromofluoromethane	5.385	113	47439	47.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.400%		
50) Toluene-d8	8.647	98	176501	47.058	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.120%		
62) 4-Bromofluorobenzene	11.079	95	74278	50.643	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.280%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	1925	5.513	ug/l	99
16) Acetone	2.379	43	15441	20.470	ug/l	91
18) Methyl Acetate	2.715	43	893	0.566	ug/l	96
20) Methylene Chloride	2.788	84	4416	3.870	ug/l	89
25) 2-Butanone	4.568	43	9957	9.185	ug/l	99
29) Tetrahydrofuran	5.025	42	435	0.623	ug/l #	66
31) Cyclohexane	5.550	56	2348	1.326	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	7669	4.954	ug/l #	50
37) Ethyl Acetate	4.726	43	1623	0.786	ug/l #	86
38) Carbon Tetrachloride	5.550	117	9013	6.357	ug/l #	15
40) Benzene	6.049	78	1401	0.320	ug/l #	80
43) Isopropyl Acetate	6.336	43	74316	24.532	ug/l	98
48) Methyl methacrylate	7.799	41	68057	45.705	ug/l #	49
49) 1,4-Dioxane	7.787	88	66	2.291	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	53203	25.500	ug/l #	51
52) Toluene	8.726	92	3457	1.320	ug/l	98
53) t-1,3-Dichloropropene	8.945	75	410	0.257	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	21590	12.302	ug/l #	63
56) Ethyl methacrylate	9.244	69	553	0.307	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2693	1.426	ug/l #	42
59) 2-Hexanone	9.482	43	39913	24.172	ug/l #	53
68) m/p-Xylenes	10.305	106	407	0.207	ug/l	80
74) N-amyl acetate	10.774	43	1776	0.615	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	41510	22.992	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41510	66.396	ug/l #	5

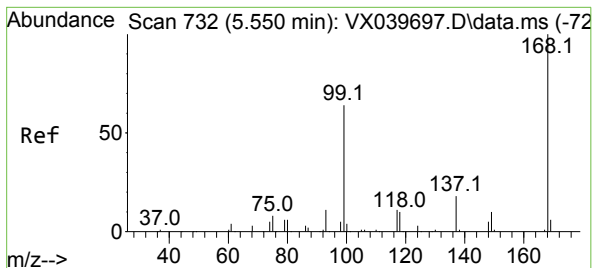
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

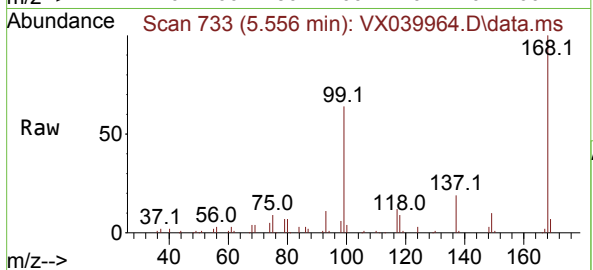
Lab File: VX039964.D

Acq: 25 Jan 2024 19:07

Instrument :

MSVOA_X

ClientSampleId :

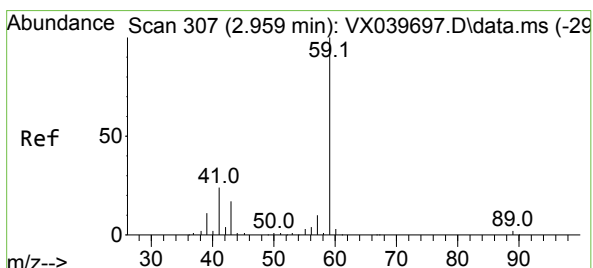
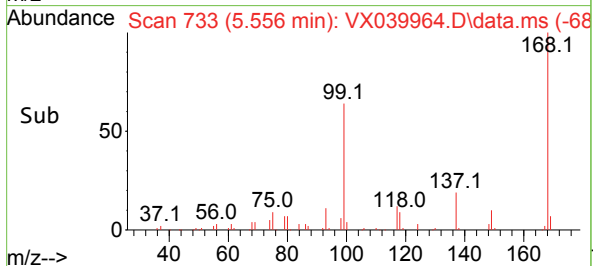
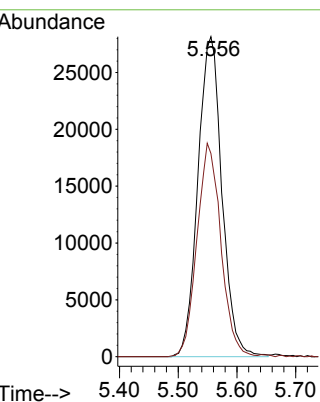


Tgt Ion:168 Resp: 80070

Ion Ratio Lower Upper

168 100

99 63.5 56.6 85.0



#11

Tert butyl alcohol

Concen: 5.513 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX039964.D

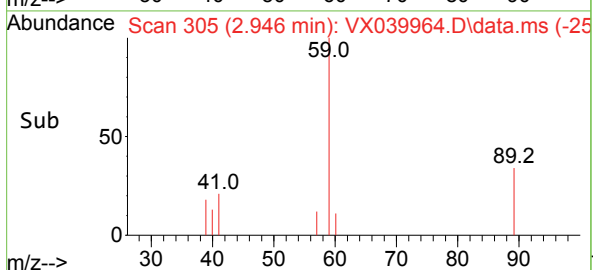
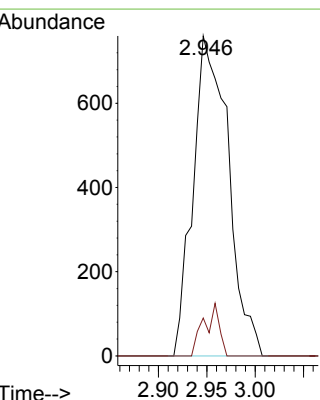
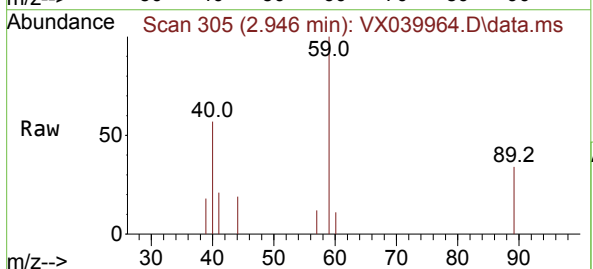
Acq: 25 Jan 2024 19:07

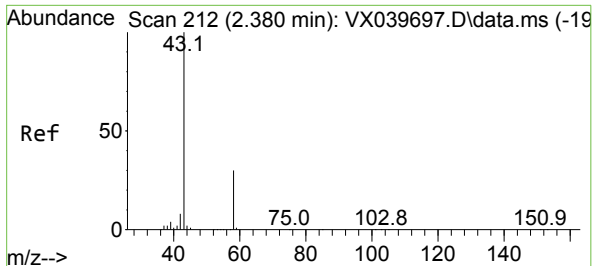
Tgt Ion: 59 Resp: 1925

Ion Ratio Lower Upper

59 100

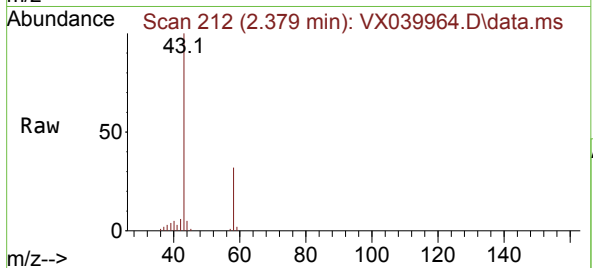
57 7.2 6.0 9.0



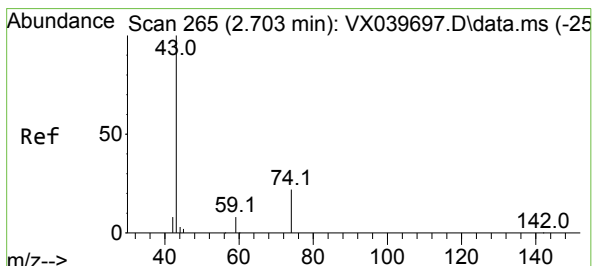
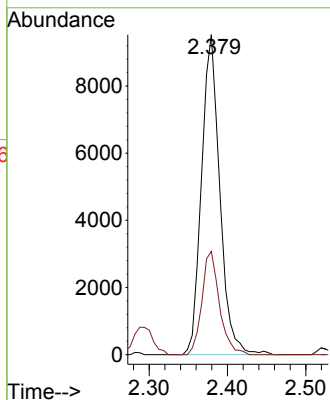
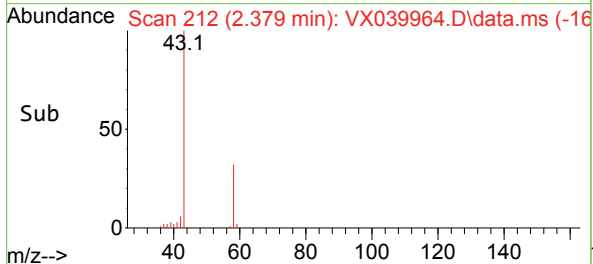


#16
Acetone
Concen: 20.470 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Instrument :
MSVOA_X
ClientSampleId :

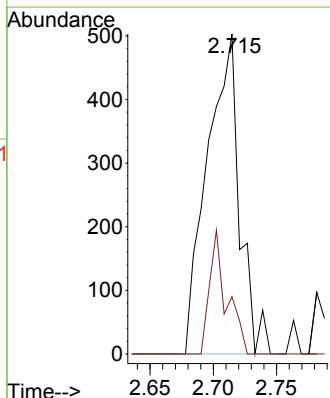
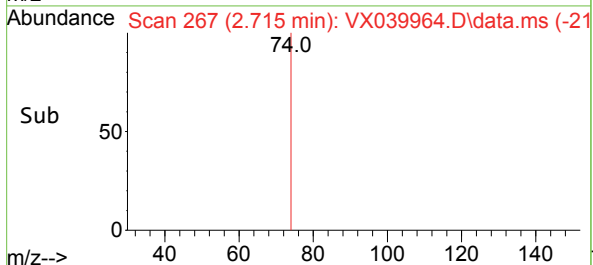
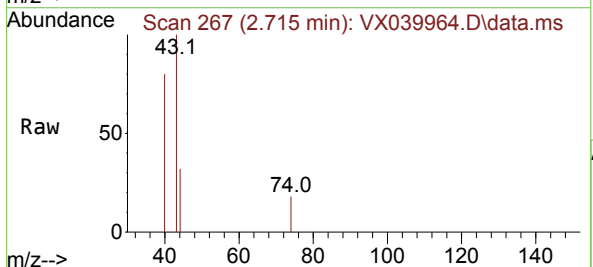


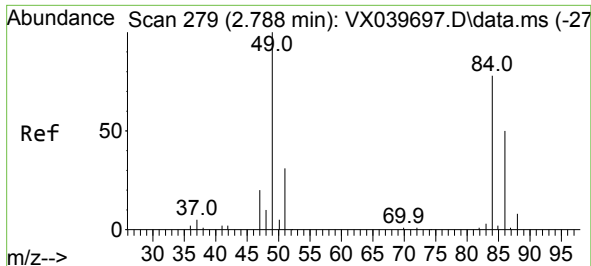
Tgt Ion: 43 Resp: 15441
Ion Ratio Lower Upper
43 100
58 32.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.566 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

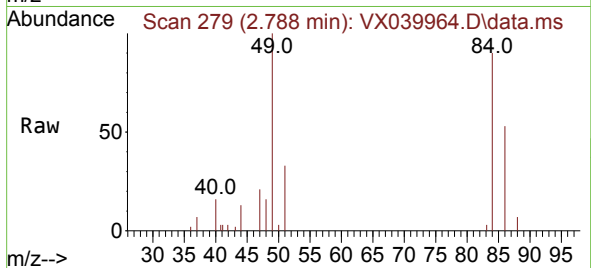
Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.8



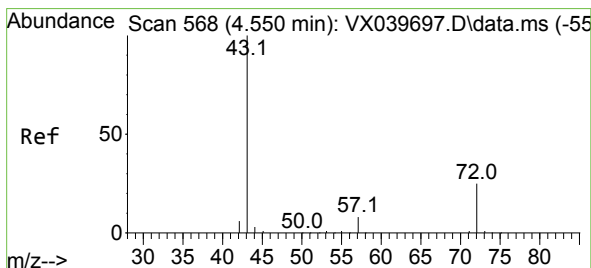
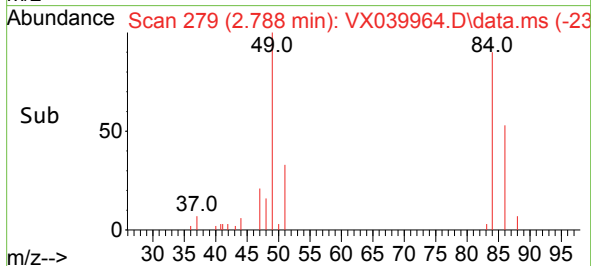
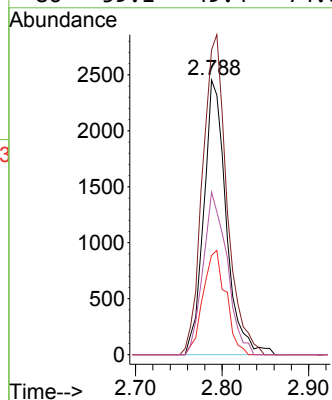


#20
Methylene Chloride
Concen: 3.870 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Instrument :
MSVOA_X
ClientSampleId :

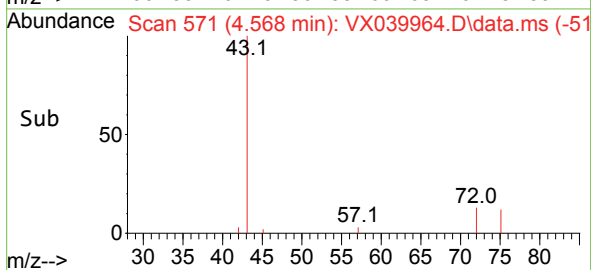
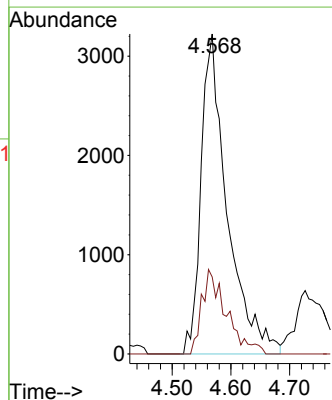
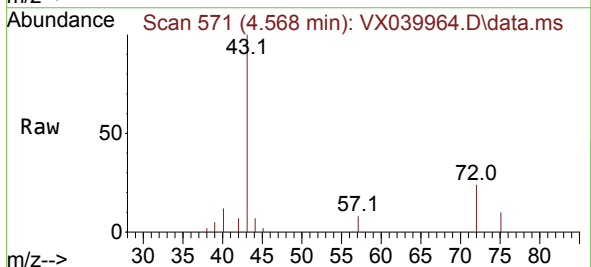


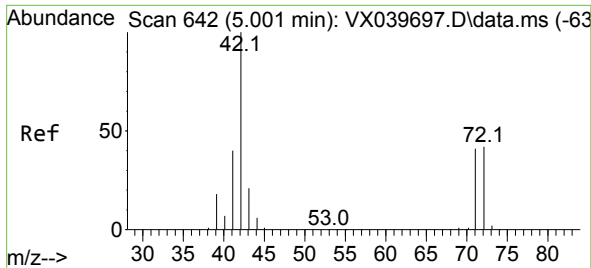
Tgt Ion: 84	Resp: 4416
Ion Ratio	Lower Upper
84 100	
49 110.9	103.6 155.4
51 36.2	33.8 50.6
86 59.1	49.4 74.0



#25
2-Butanone
Concen: 9.185 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Tgt Ion: 43	Resp: 9957
Ion Ratio	Lower Upper
43 100	
72 24.6	19.4 29.2





#29

Tetrahydrofuran

Concen: 0.623 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX039964.D

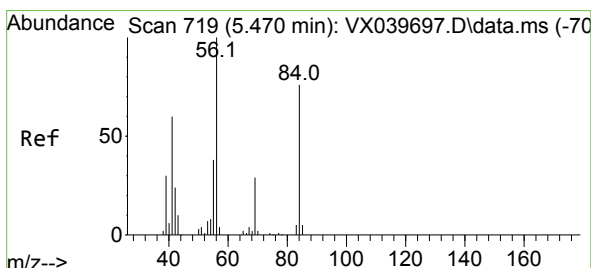
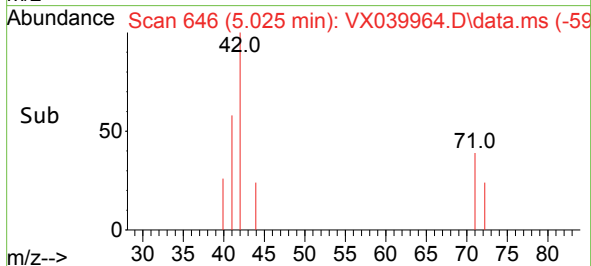
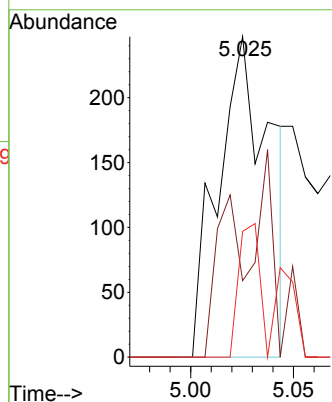
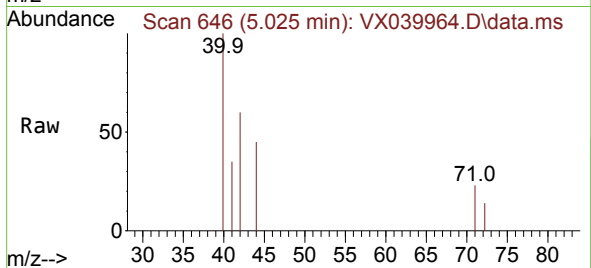
Acq: 25 Jan 2024 19:07

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 435
Ion Ratio	Lower Upper
42	100
72	23.9 34.2 51.4#
71	16.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.326 ug/l

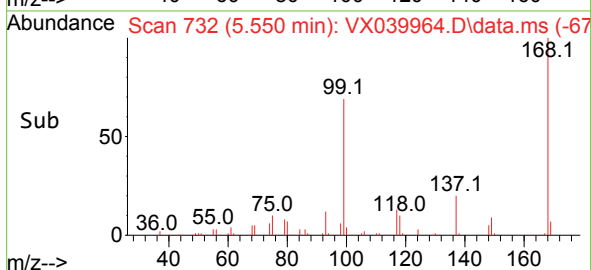
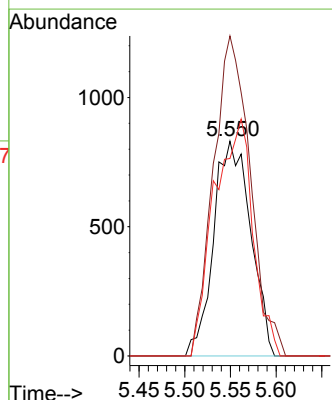
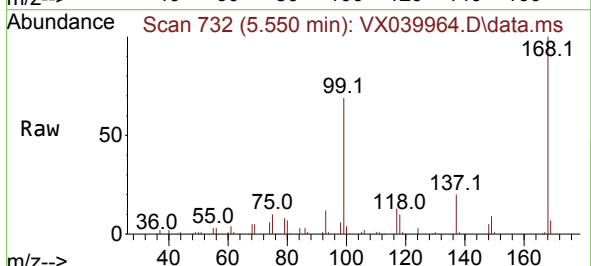
RT: 5.550 min Scan# 732

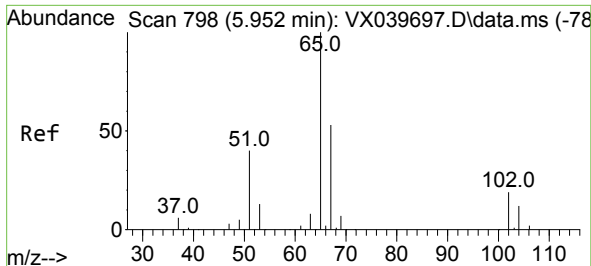
Delta R.T. 0.079 min

Lab File: VX039964.D

Acq: 25 Jan 2024 19:07

Tgt Ion: 56	Resp: 2348
Ion Ratio	Lower Upper
56	100
69	149.0 23.4 35.2#
84	91.9 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 47.772 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039964.D

Acq: 25 Jan 2024 19:07

Instrument :

MSVOA_X

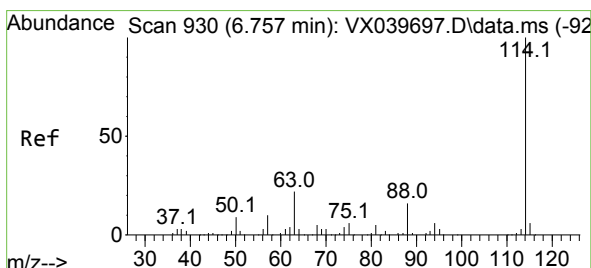
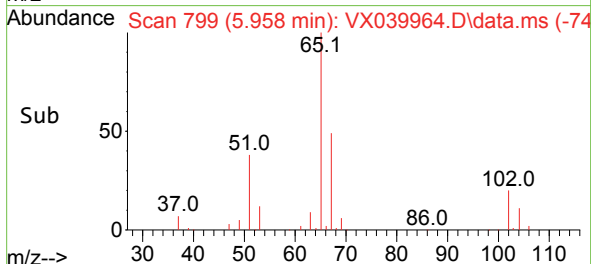
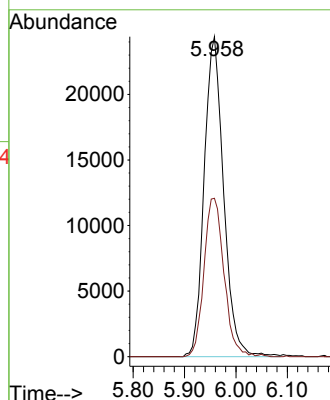
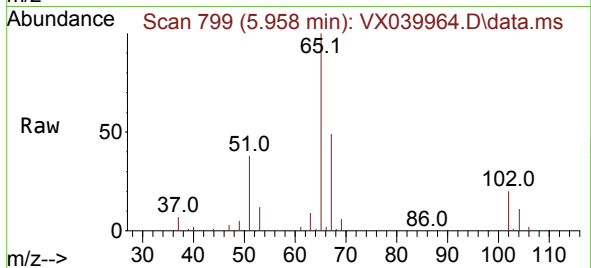
ClientSampleId :

Tgt Ion: 65 Resp: 64076

Ion Ratio Lower Upper

65 100

67 51.0 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: VX039964.D

Acq: 25 Jan 2024 19:07

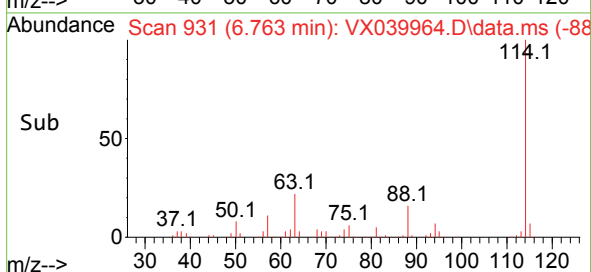
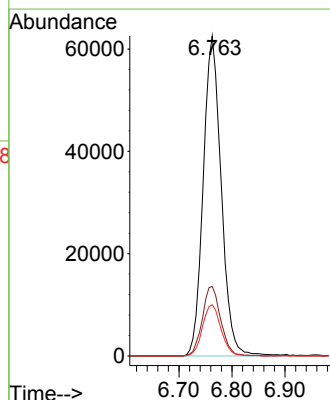
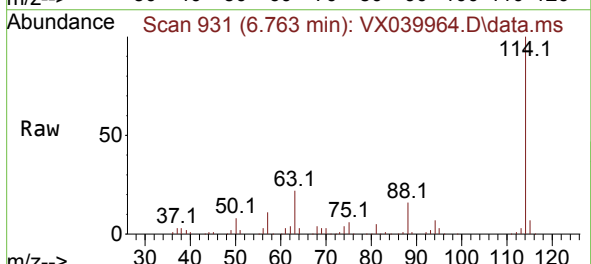
Tgt Ion: 114 Resp: 147648

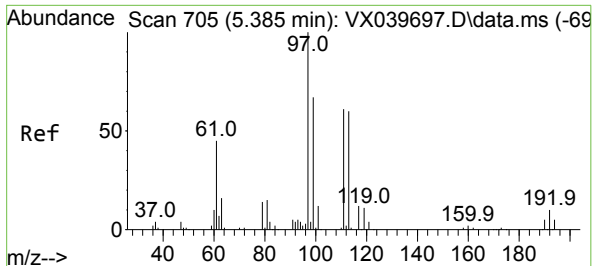
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.0

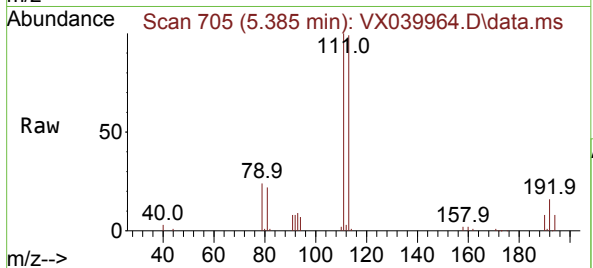
88 16.0 0.0 36.6



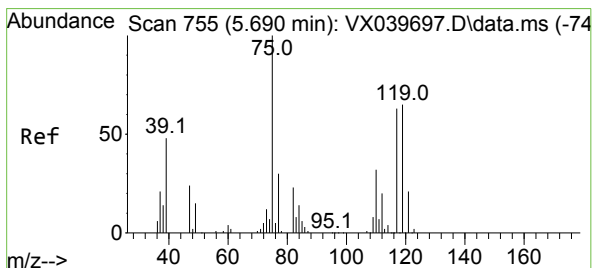
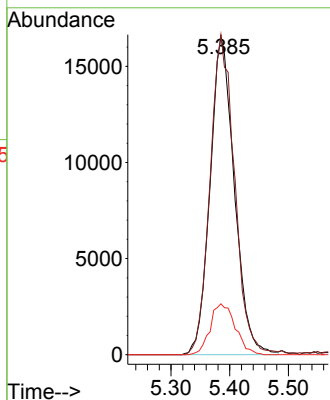
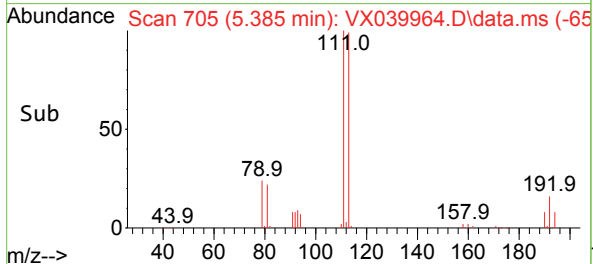


#35
Dibromofluoromethane
Concen: 47.703 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

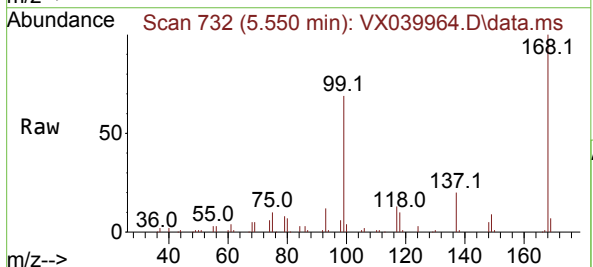
Instrument :
MSVOA_X
ClientSampleId :



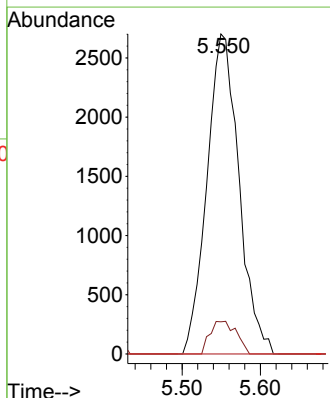
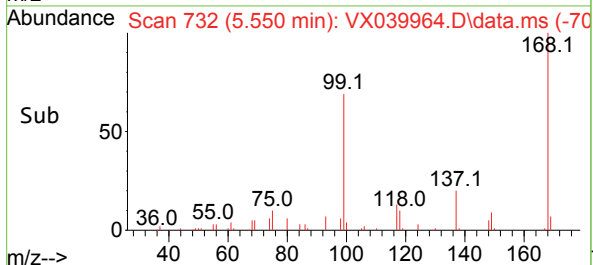
Tgt Ion:113 Resp: 47439
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 16.6 13.3 19.9

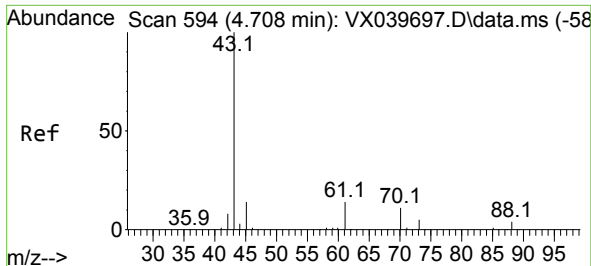


#36
1,1-Dichloropropene
Concen: 4.954 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07



Tgt Ion: 75 Resp: 7669
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.786 ug/l

RT: 4.726 min Scan# 594

Delta R.T. 0.018 min

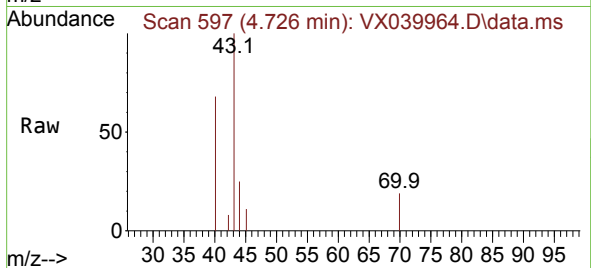
Lab File: VX039964.D

Acq: 25 Jan 2024 19:07

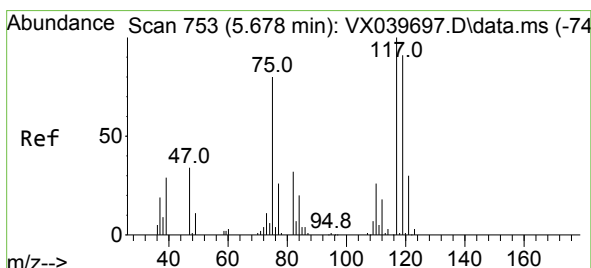
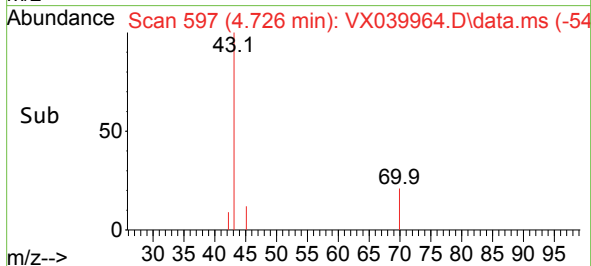
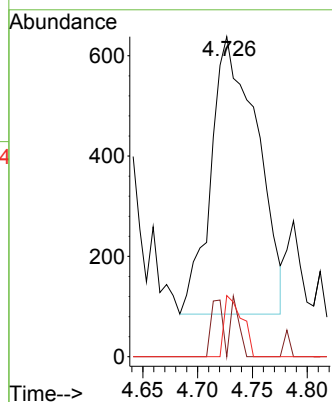
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	1623
Ion	Ratio	Lower	Upper
43	100		
61	5.1	10.6	16.0#
70	8.6	8.3	12.5



#38

Carbon Tetrachloride

Concen: 6.357 ug/l

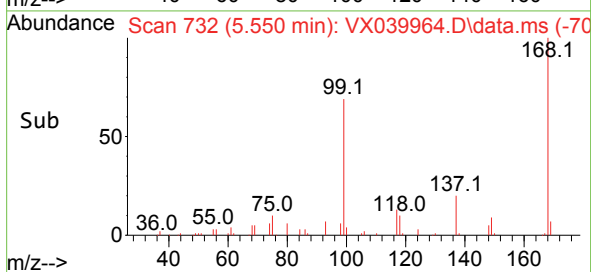
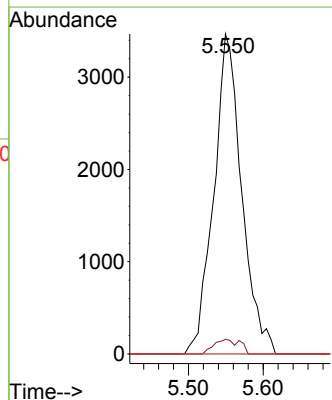
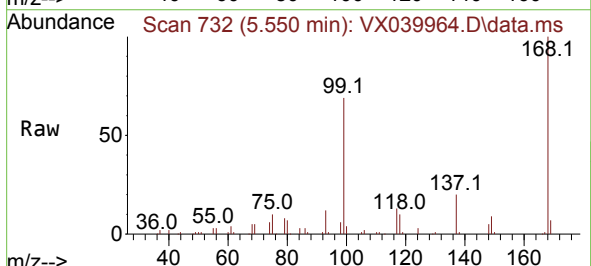
RT: 5.550 min Scan# 732

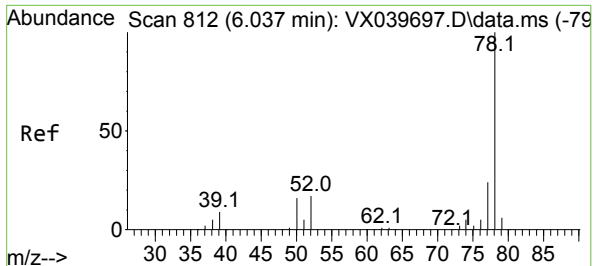
Delta R.T. -0.128 min

Lab File: VX039964.D

Acq: 25 Jan 2024 19:07

Tgt Ion:	117	Resp:	9013
Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.2	117.2#
121	0.0	24.4	36.6#

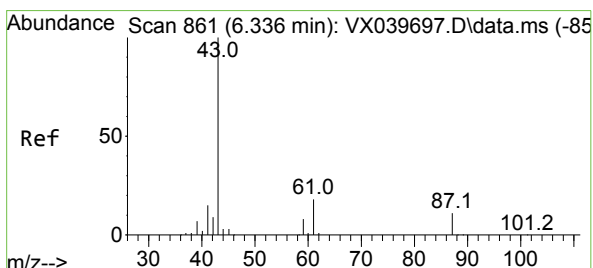
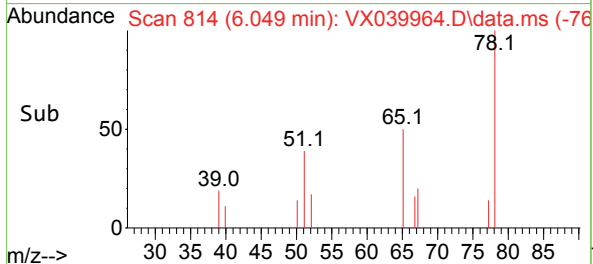
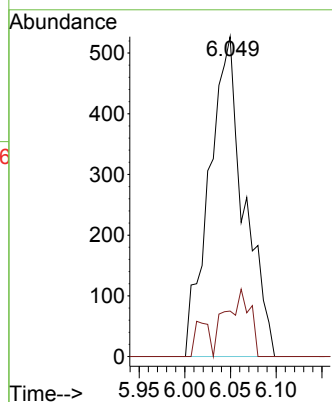
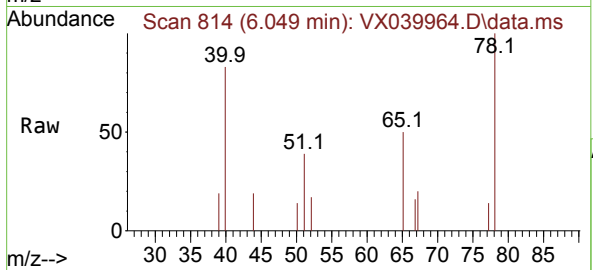




#40
Benzene
Concen: 0.320 ug/l
RT: 6.049 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

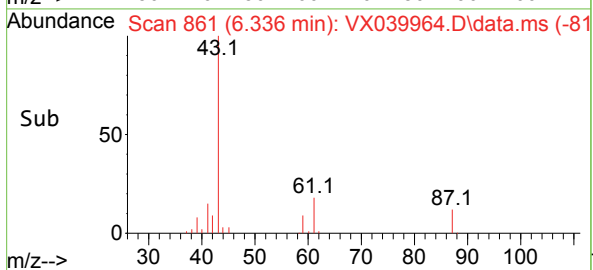
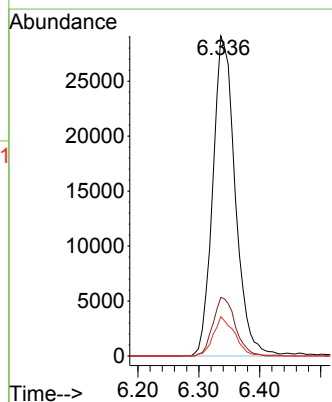
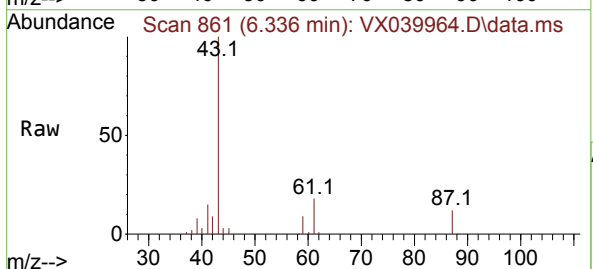
Instrument :
MSVOA_X
ClientSampleId :

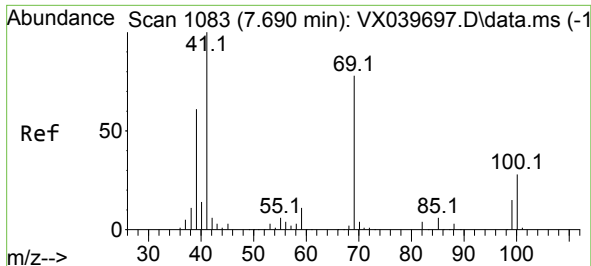
Tgt Ion: 78 Resp: 1401
Ion Ratio Lower Upper
78 100
77 14.2 19.3 28.9#



#43
Isopropyl Acetate
Concen: 24.532 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Tgt Ion: 43 Resp: 74316
Ion Ratio Lower Upper
43 100
61 18.3 15.2 22.8
87 11.6 9.8 14.6

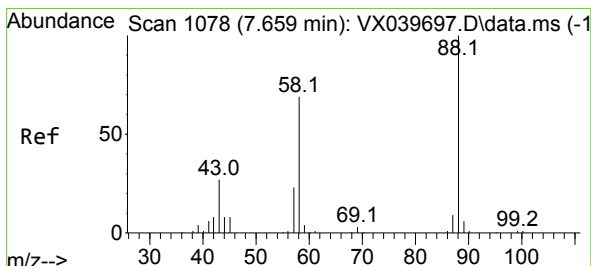
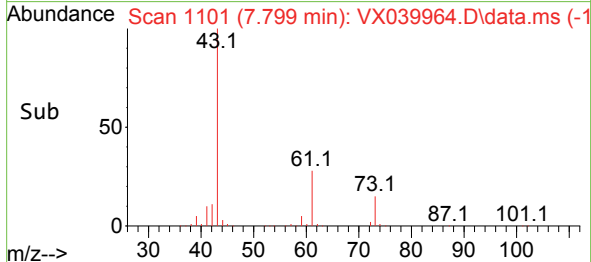
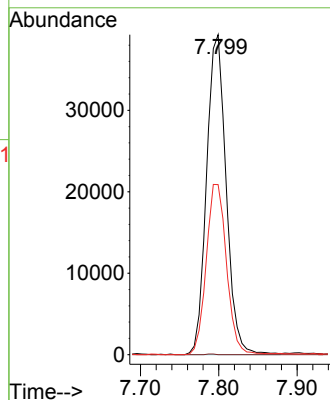
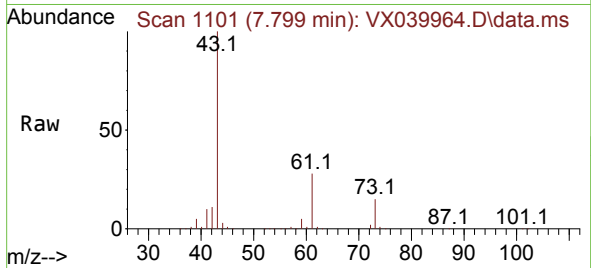




#48
Methyl methacrylate
Concen: 45.705 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

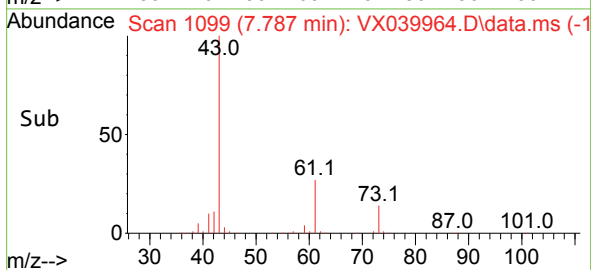
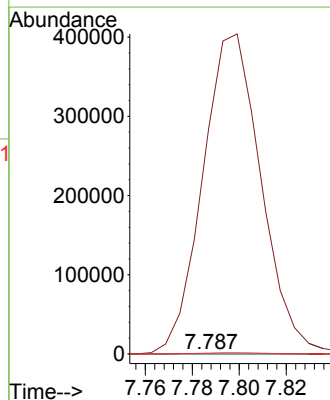
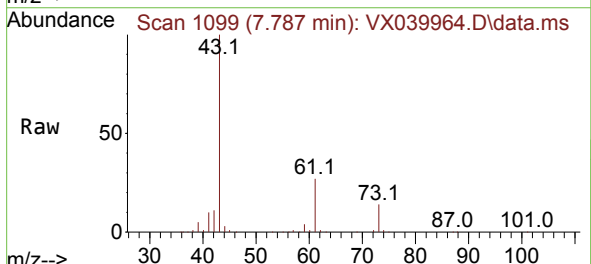
Instrument :
MSVOA_X
ClientSampleId :

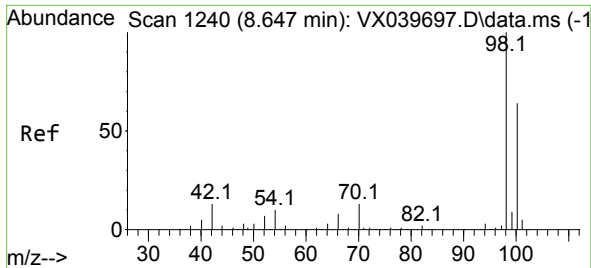
Tgt Ion: 41 Resp: 68057
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 55.1 47.7 71.5



#49
1,4-Dioxane
Concen: 2.291 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 1070554.5 0.0 0.0#
58 4331.8 60.1 90.1#

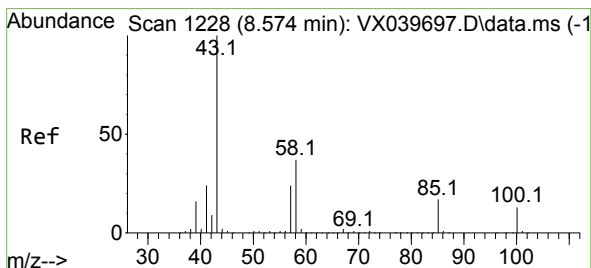
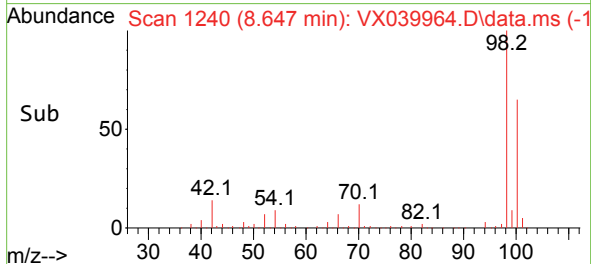
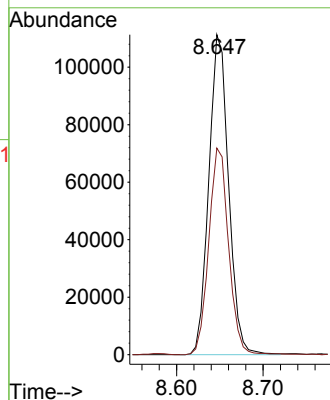
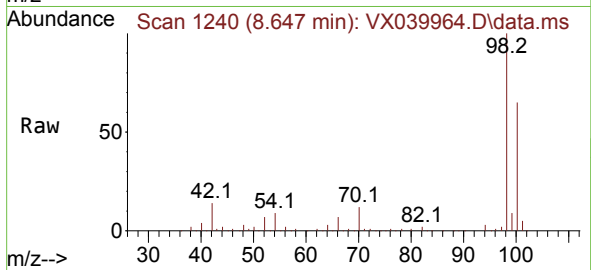




#50
Toluene-d8
Concen: 47.058 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

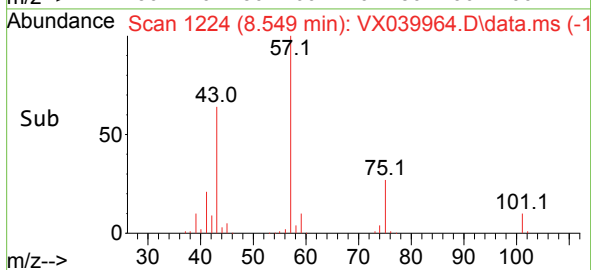
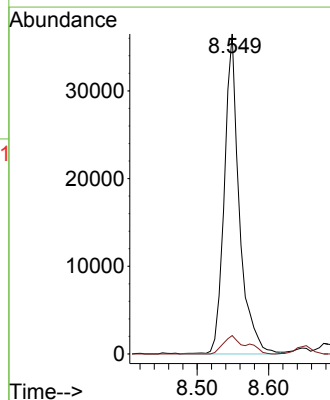
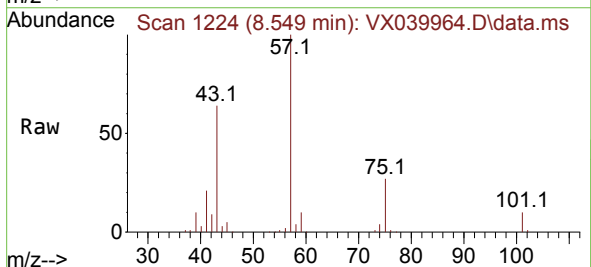
Instrument :
MSVOA_X
ClientSampleId :

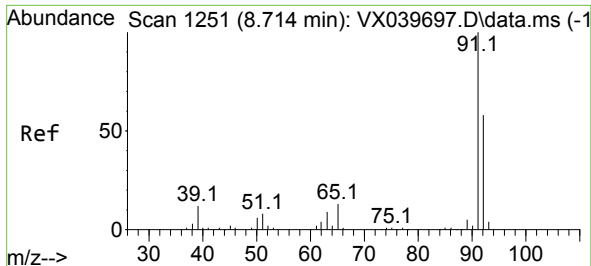
Tgt Ion: 98 Resp: 176501
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 25.500 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Tgt Ion: 43 Resp: 53203
Ion Ratio Lower Upper
43 100
58 8.5 30.4 45.6#

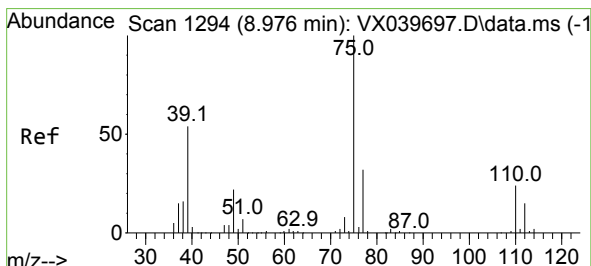
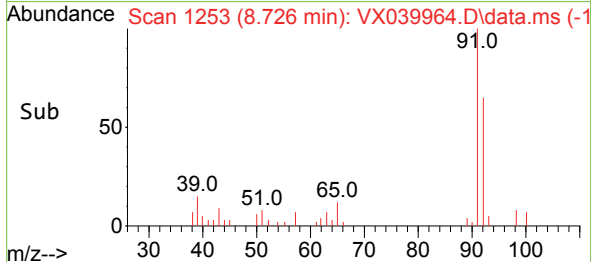
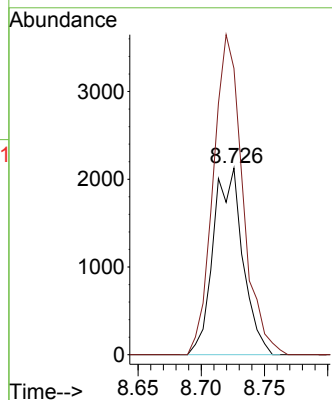
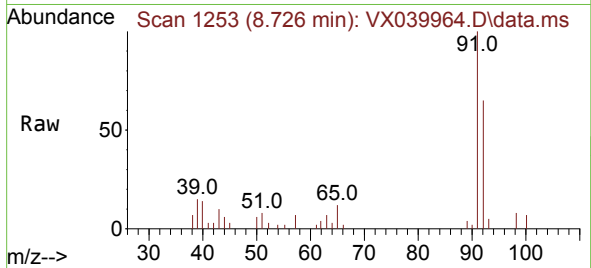




#52
Toluene
Concen: 1.320 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

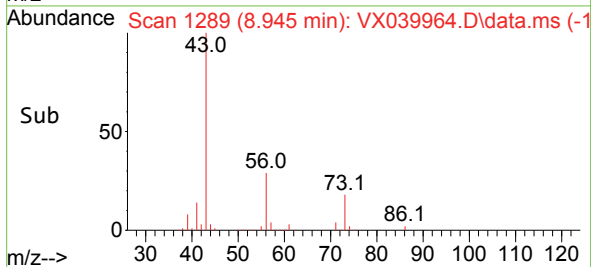
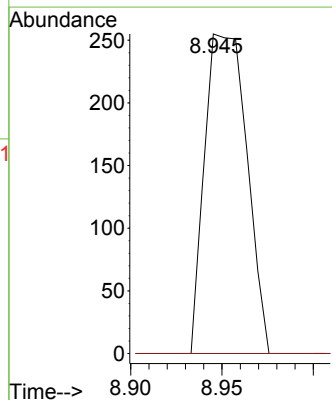
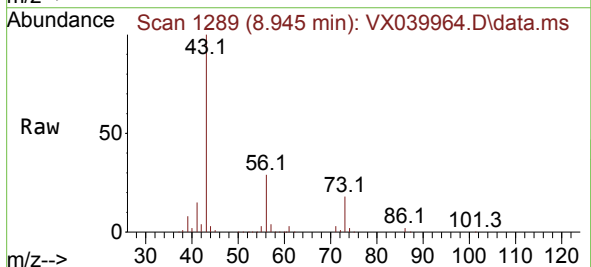
Instrument :
MSVOA_X
ClientSampleId :

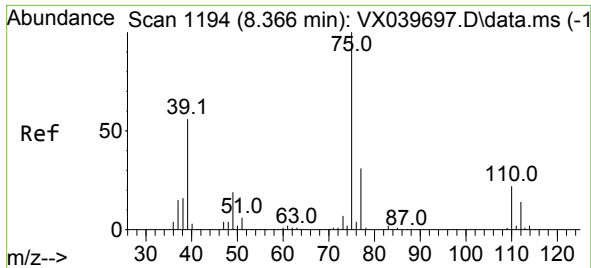
Tgt Ion: 92 Resp: 3457
Ion Ratio Lower Upper
92 100
91 170.7 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.257 ug/l
RT: 8.945 min Scan# 1289
Delta R.T. -0.031 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Tgt Ion: 75 Resp: 410
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

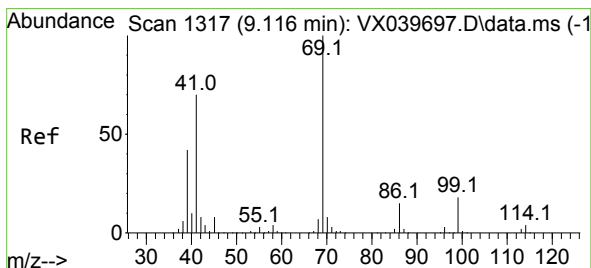
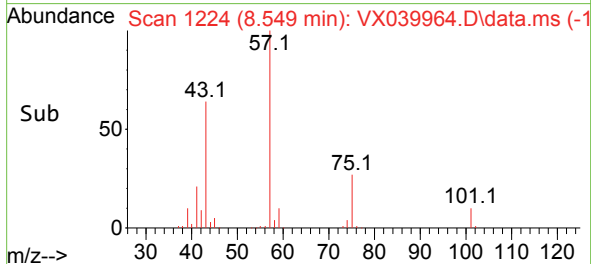
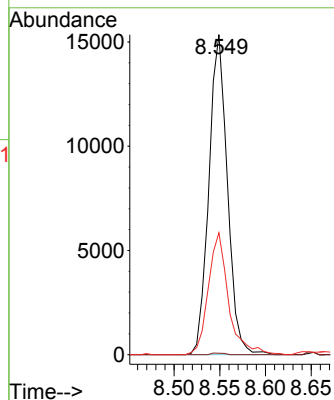
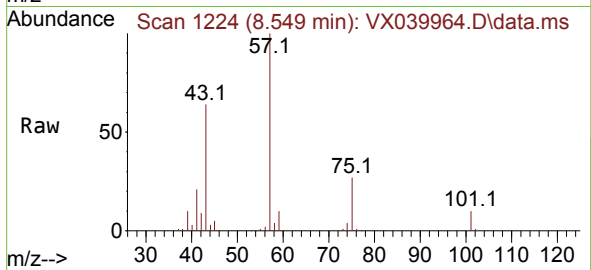




#54
cis-1,3-Dichloropropene
Concen: 12.302 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

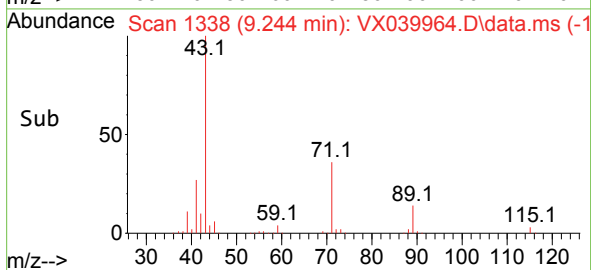
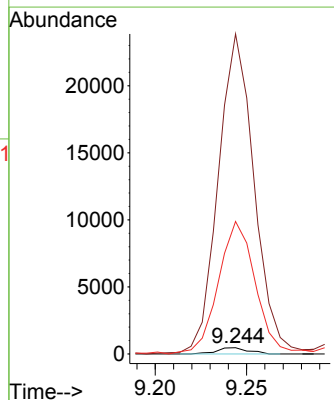
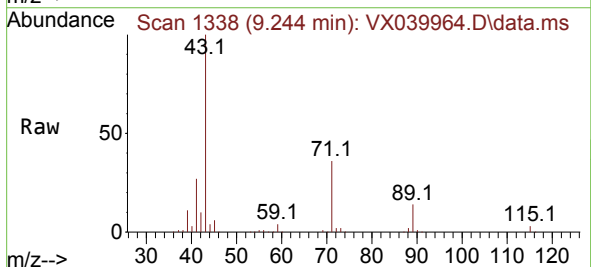
Instrument :
MSVOA_X
ClientSampleId :

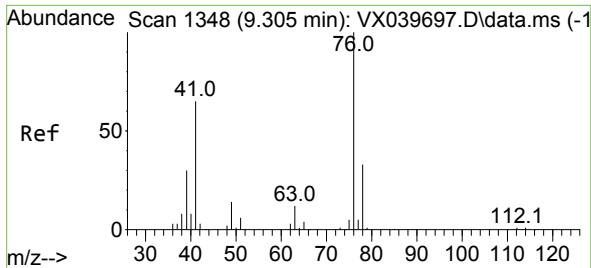
Tgt Ion: 75 Resp: 21590
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 38.1 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.307 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Tgt Ion: 69 Resp: 553
Ion Ratio Lower Upper
69 100
41 5913.4 56.8 85.2#
39 2552.4 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.426 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX039964.D

Acq: 25 Jan 2024 19:07

Instrument :

MSVOA_X

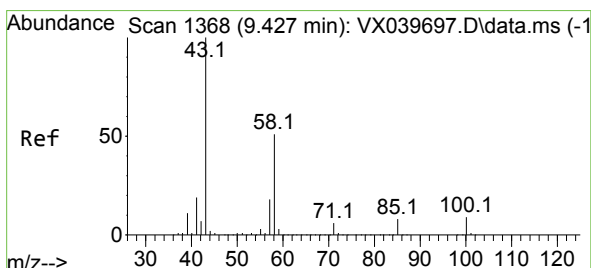
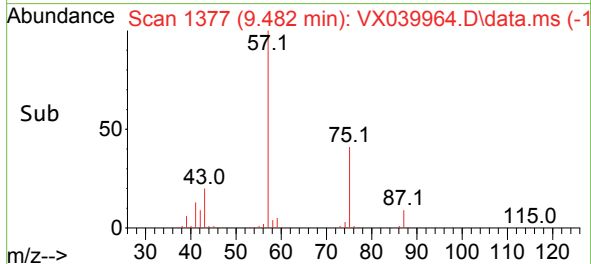
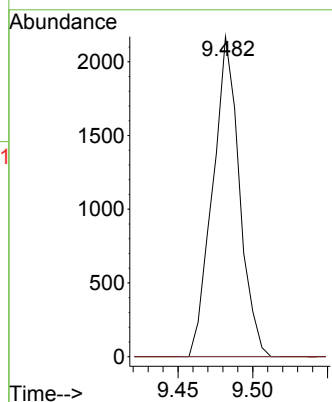
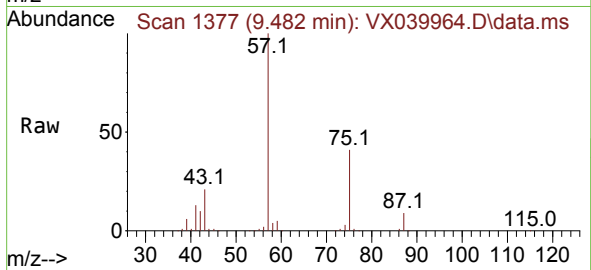
ClientSampleId :

Tgt Ion: 76 Resp: 2693

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 24.172 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX039964.D

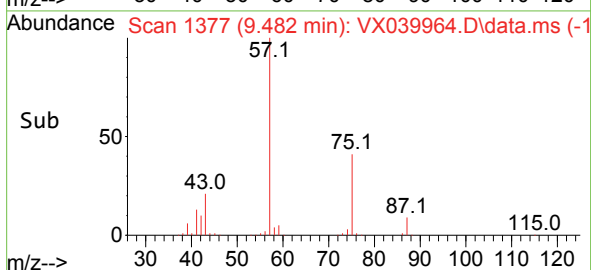
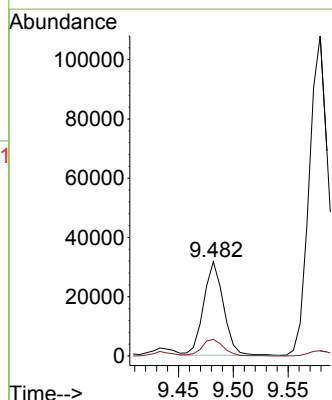
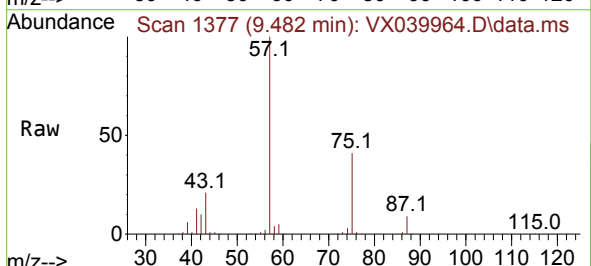
Acq: 25 Jan 2024 19:07

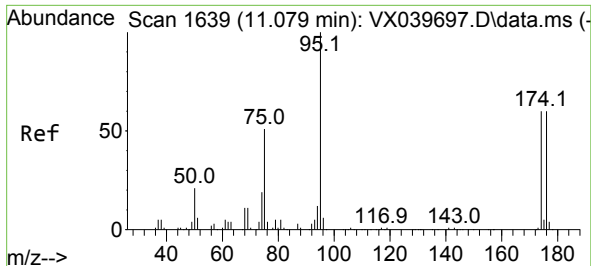
Tgt Ion: 43 Resp: 39913

Ion Ratio Lower Upper

43 100

58 19.4 26.2 78.5#

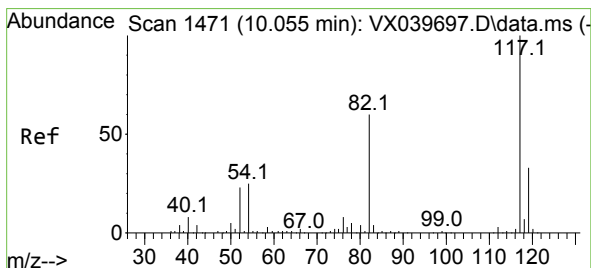
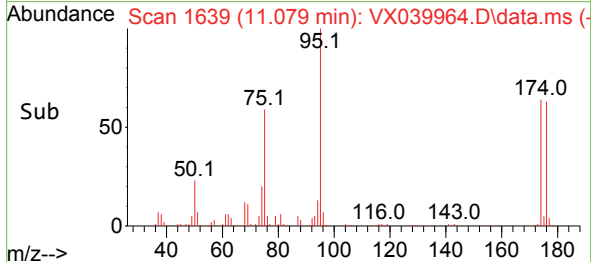
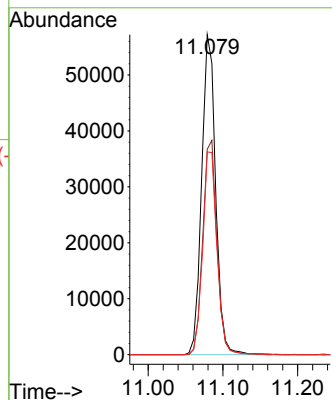
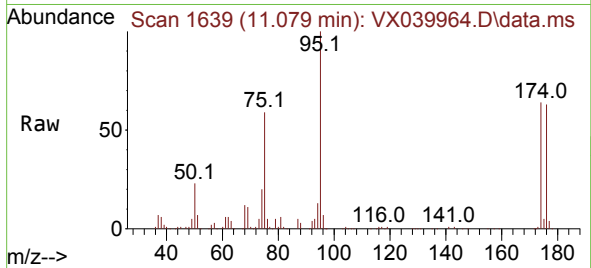




#62
4-Bromofluorobenzene
Concen: 50.643 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

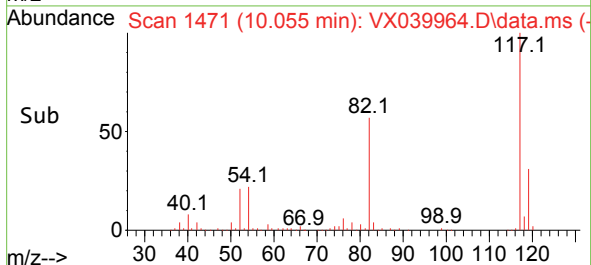
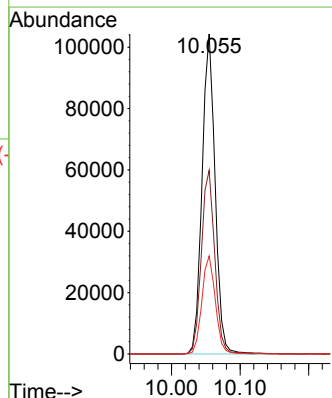
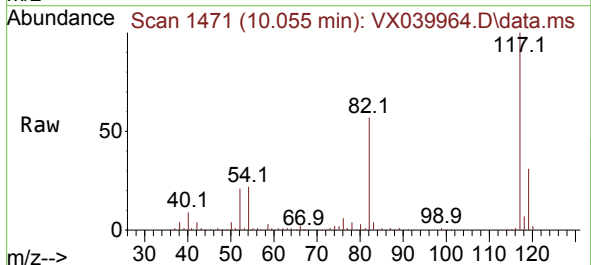
Instrument :
MSVOA_X
ClientSampleId :

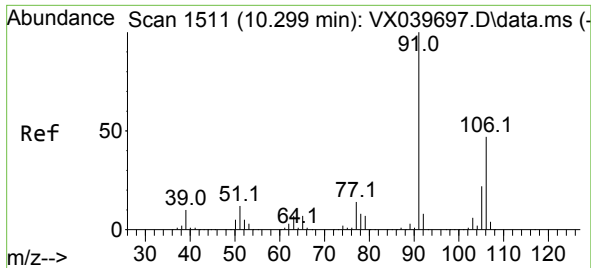
Tgt Ion: 95 Resp: 74278
Ion Ratio Lower Upper
95 100
174 67.8 0.0 135.6
176 64.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Tgt Ion: 117 Resp: 138455
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 30.6 25.5 38.3

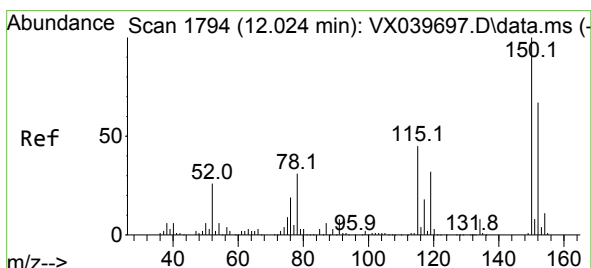
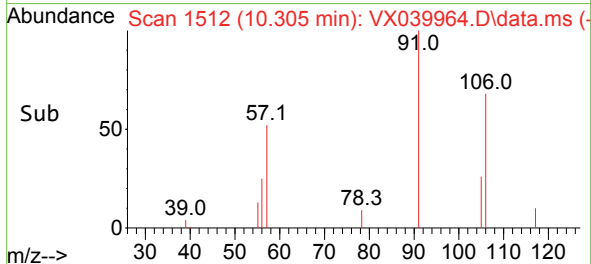
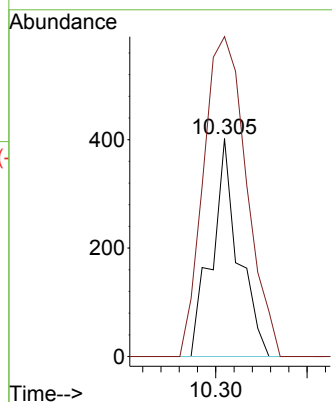
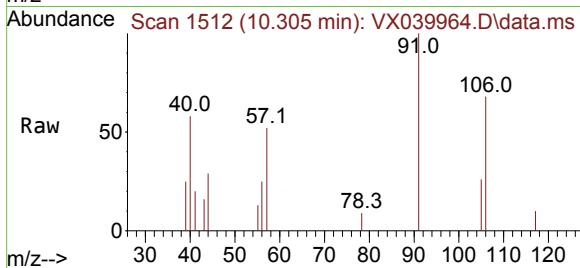




#68
m/p-Xylenes
Concen: 0.207 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

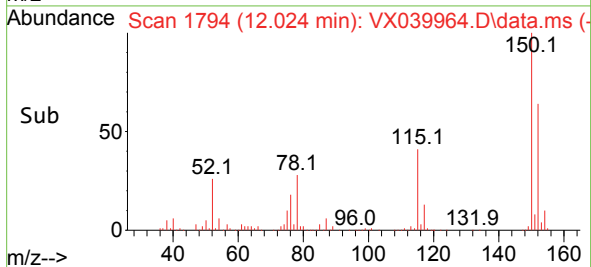
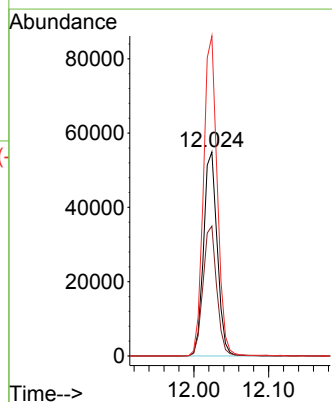
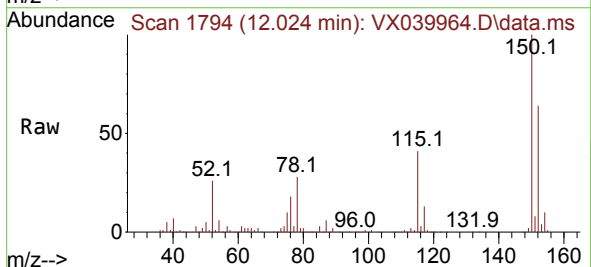
Instrument :
MSVOA_X
ClientSampleId :

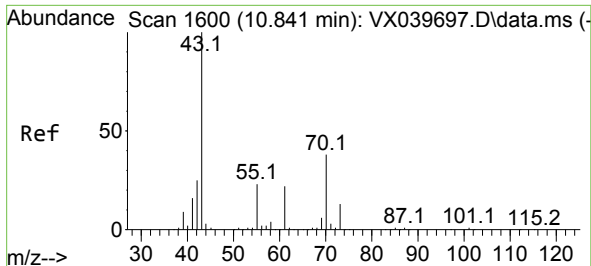
Tgt Ion:106 Resp: 407
Ion Ratio Lower Upper
106 100
91 237.6 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

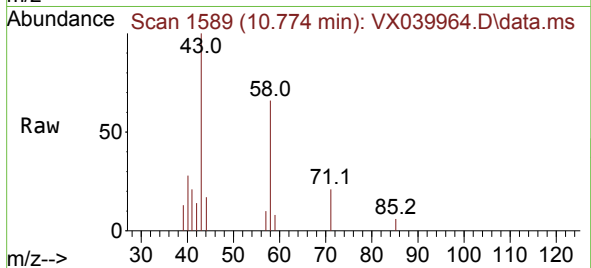
Tgt Ion:152 Resp: 69637
Ion Ratio Lower Upper
152 100
115 64.3 43.3 129.9
150 157.9 0.0 345.0



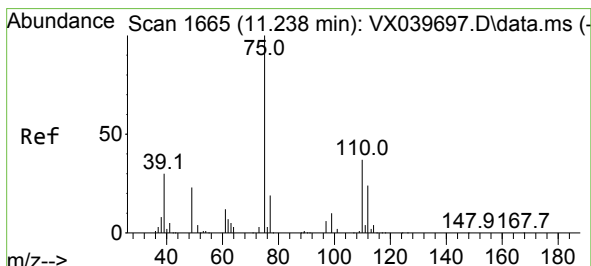
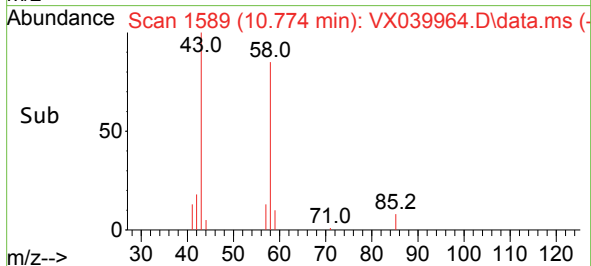
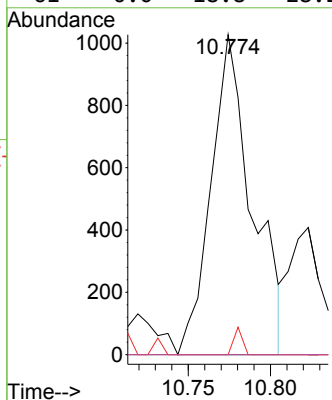


#74
N-amy1 acetate
Concen: 0.615 ug/l
RT: 10.774 min Scan# 1639
Delta R.T. -0.067 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

Instrument :
MSVOA_X
ClientSampleId :

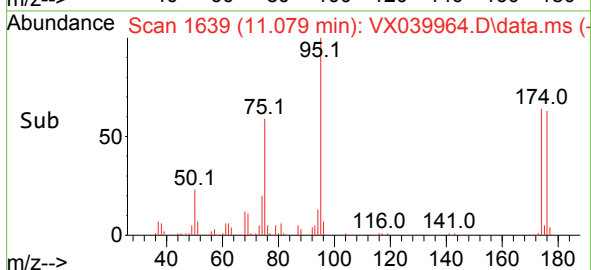
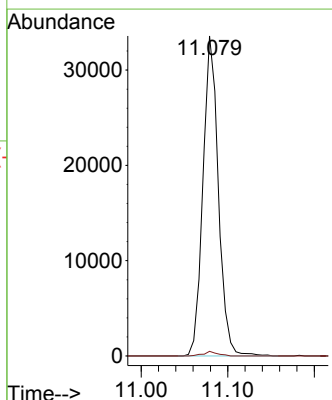
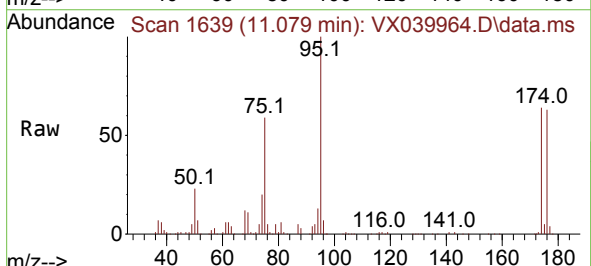


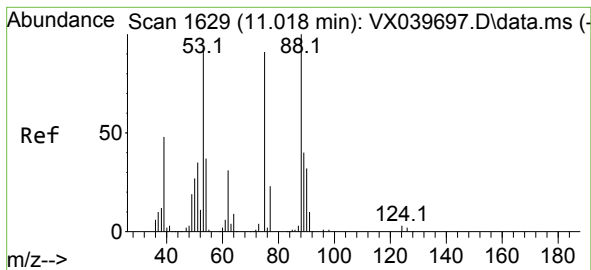
Tgt Ion: 43 Resp: 1776
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 1.8 19.3 28.9#
61 0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 22.992 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX039964.D
Acq: 25 Jan 2024 19:07

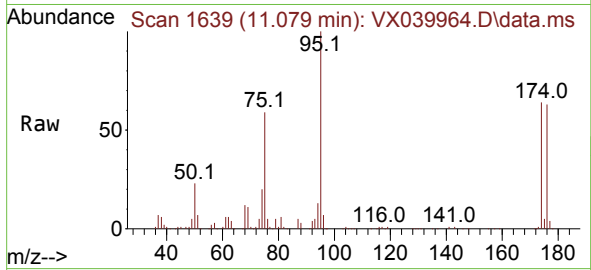
Tgt Ion: 75 Resp: 41510
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.396 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039964.D
 Acq: 25 Jan 2024 19:07

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 41510
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

