

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042924\
 Data File : VX041279.D
 Acq On : 29 Apr 2024 16:41
 Operator : JC/MD
 Sample : P2270-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

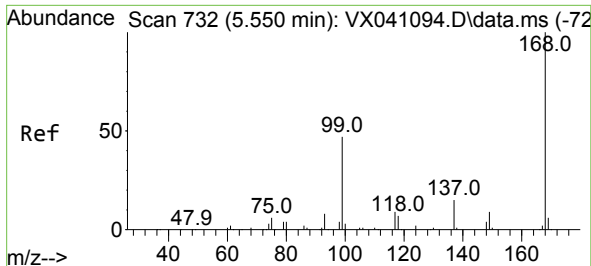
Quant Time: Apr 30 02:12:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	143427	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	209188	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75202	55.080	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.160%	
35) Dibromofluoromethane	5.385	113	63506	49.908	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.820%	
50) Toluene-d8	8.647	98	235236	54.793	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.580%	
62) 4-Bromofluorobenzene	11.079	95	86772	54.760	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.520%	
Target Compounds						Qvalue
5) Bromomethane	1.605	94	552	0.798	ug/l	84
6) Chloroethane	1.672	64	192	0.411	ug/l	# 43
11) Tert butyl alcohol	2.946	59	847	3.463	ug/l	# 78
16) Acetone	2.392	43	37053	74.558	ug/l	100
18) Methyl Acetate	2.715	43	2147	1.460	ug/l	# 90
20) Methylene Chloride	2.788	84	5296	4.363	ug/l	# 87
25) 2-Butanone	4.592	43	3112	3.667	ug/l	95
29) Tetrahydrofuran	5.056	42	589	1.019	ug/l	# 61
31) Cyclohexane	5.544	56	2504	1.363	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	9289	5.705	ug/l	# 50
37) Ethyl Acetate	4.757	43	2666	1.492	ug/l	# 77
38) Carbon Tetrachloride	5.550	117	12702	6.985	ug/l	# 14
41) Methacrylonitrile	5.056	41	290	0.312	ug/l	# 39
43) Isopropyl Acetate	6.348	43	89575	31.129	ug/l	99
48) Methyl methacrylate	7.629	41	2336	1.716	ug/l	# 39
49) 1,4-Dioxane	7.799	88	54	1.843	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	72808	40.423	ug/l	# 51
52) Toluene	8.720	92	3201	1.010	ug/l	96
54) cis-1,3-Dichloropropene	8.549	75	32139	17.393	ug/l	# 58
57) 1,3-Dichloropropane	9.482	76	3347	1.635	ug/l	# 42
59) 2-Hexanone	9.482	43	46238	33.477	ug/l	# 52
68) m/p-Xylenes	10.305	106	549	0.204	ug/l	86
74) N-amyl acetate	10.640	43	9796	4.068	ug/l	# 52
76) 1,2,3-Trichloropropane	11.079	75	44657	28.143	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	44657	79.400	ug/l	# 5

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

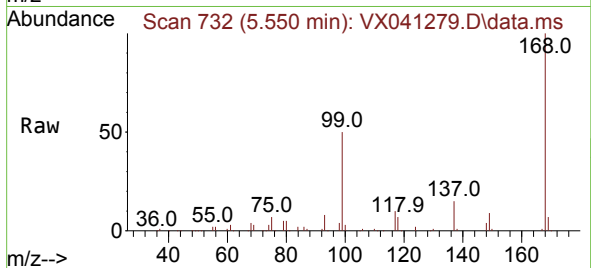
Quant Time: Apr 30 02:12:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:30:28 2024
Response via : Initial Calibration



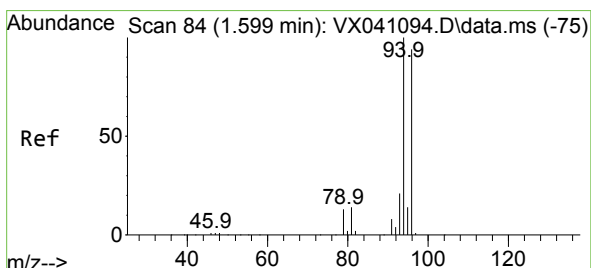
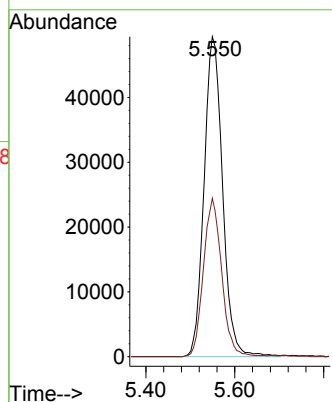
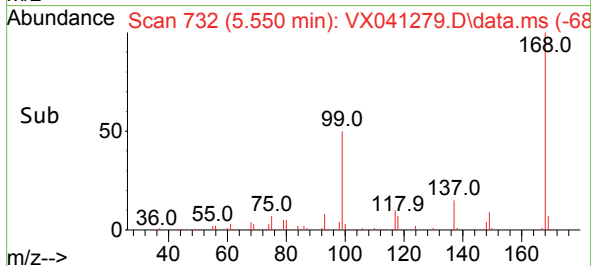


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

Instrument :
MSVOA_X
ClientSampleId :

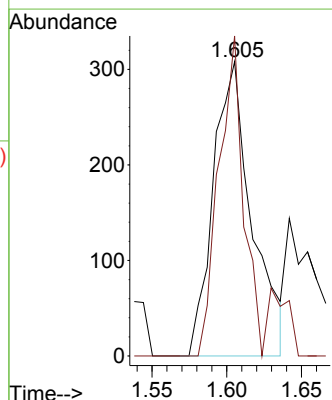
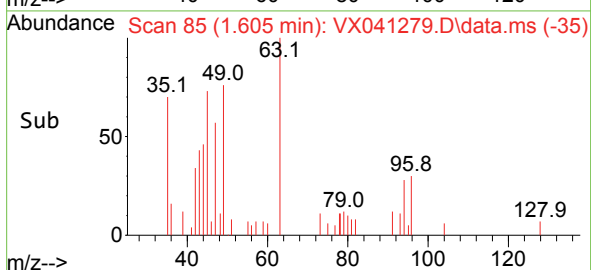
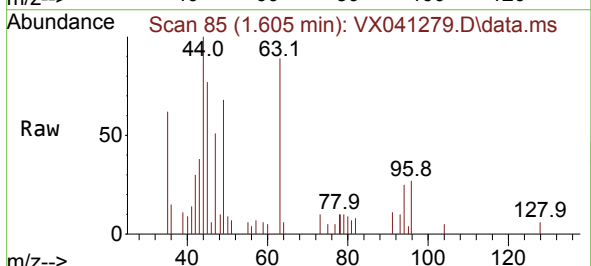


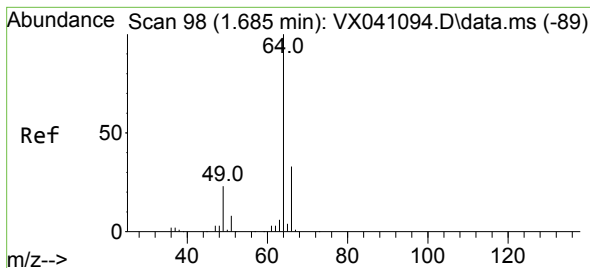
Tgt Ion:168 Resp: 143427
Ion Ratio Lower Upper
168 100
99 49.5 56.6 85.0#



#5
Bromomethane
Concen: 0.798 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

Tgt Ion: 94 Resp: 552
Ion Ratio Lower Upper
94 100
96 108.8 74.6 111.8





#6

Chloroethane

Concen: 0.411 ug/l

RT: 1.672 min Scan# 90

Delta R.T. 0.006 min

Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

Instrument :

MSVOA_X

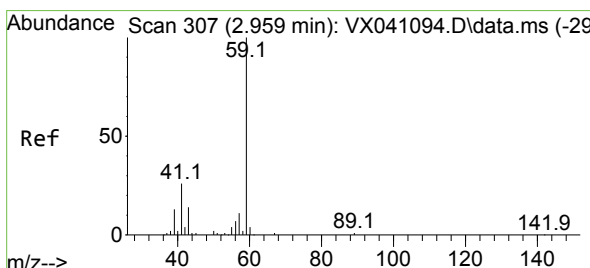
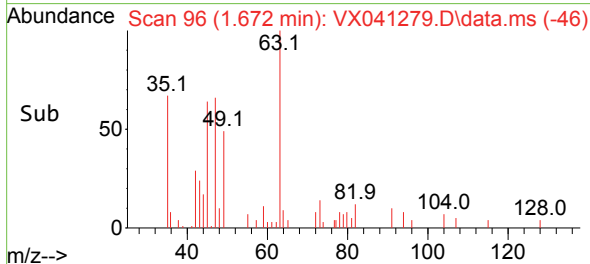
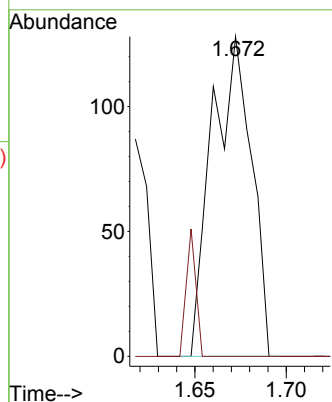
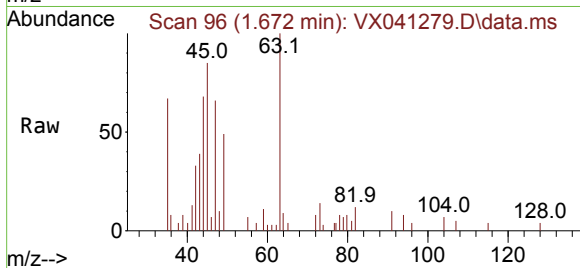
ClientSampleId :

Tgt Ion: 64 Resp: 192

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 3.463 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.116 min

Lab File: VX041279.D

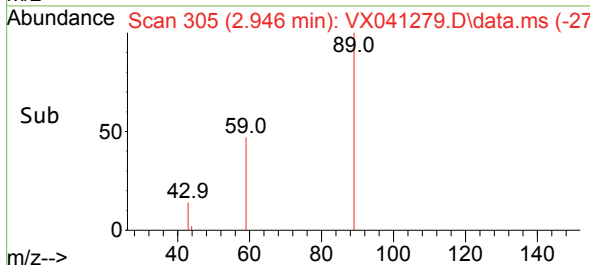
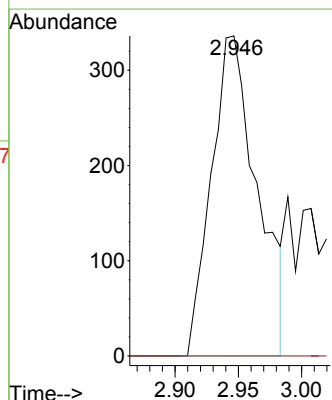
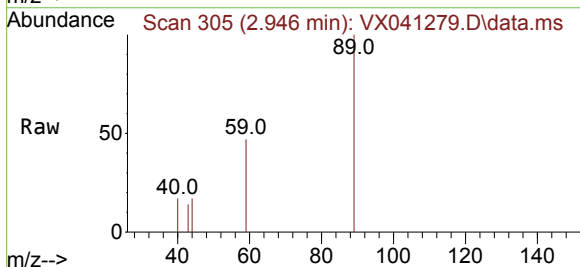
Acq: 29 Apr 2024 16:41

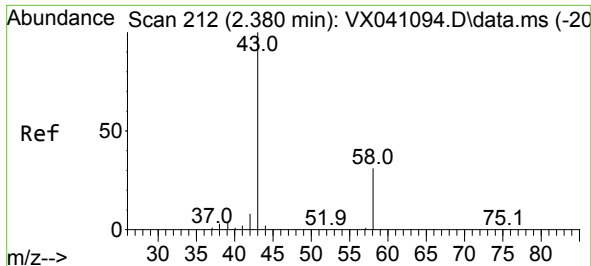
Tgt Ion: 59 Resp: 847

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

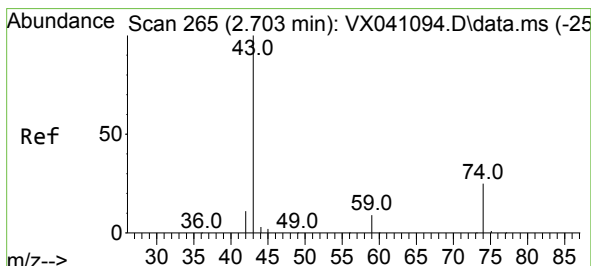
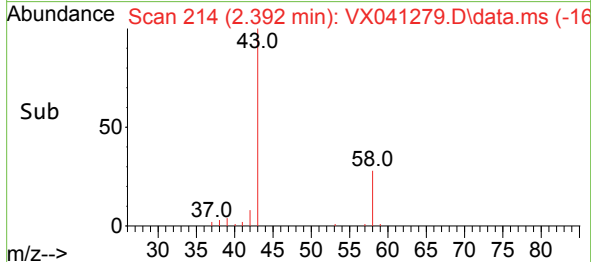
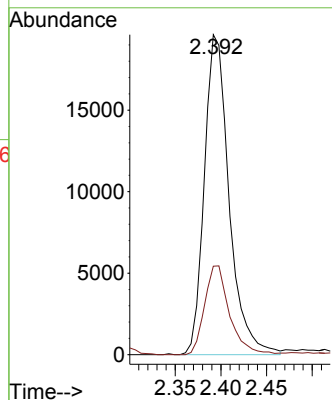
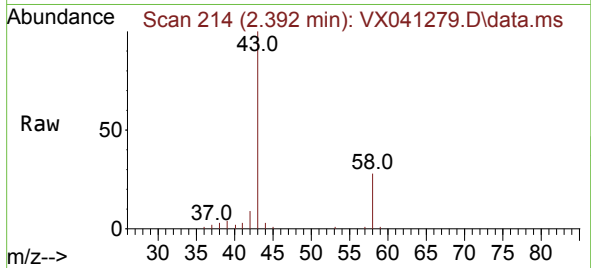




#16
Acetone
Concen: 74.558 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

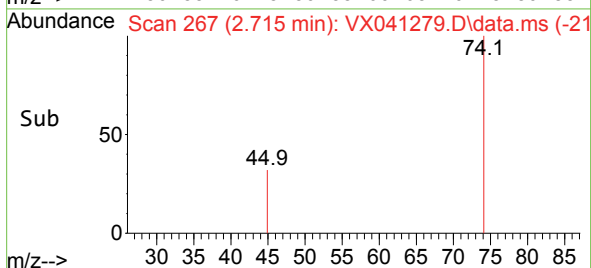
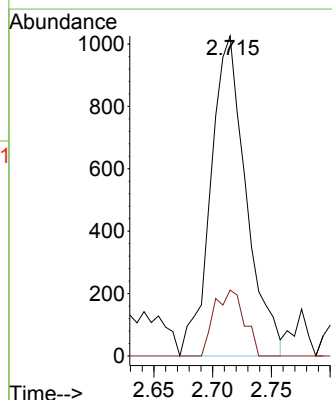
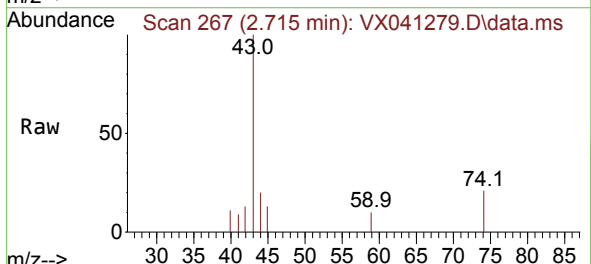
Instrument :
MSVOA_X
ClientSampleId :

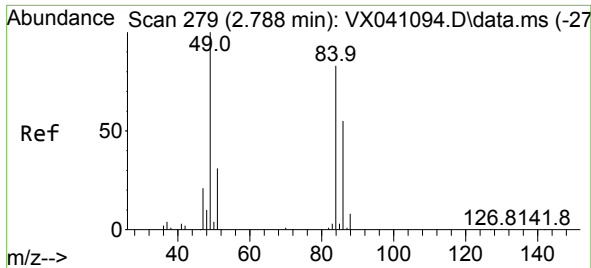
Tgt Ion: 43 Resp: 37053
Ion Ratio Lower Upper
43 100
58 27.7 21.9 32.9



#18
Methyl Acetate
Concen: 1.460 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

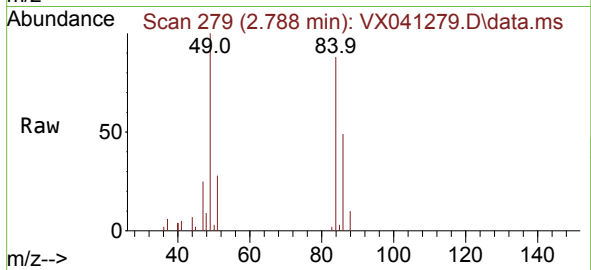
Tgt Ion: 43 Resp: 2147
Ion Ratio Lower Upper
43 100
74 17.4 17.8 26.8#



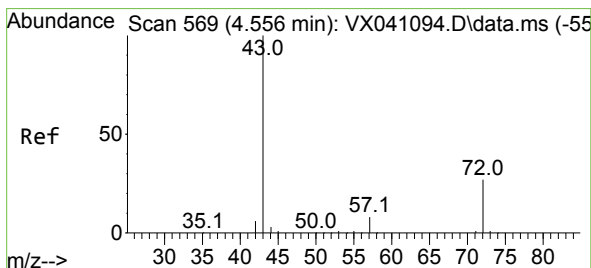
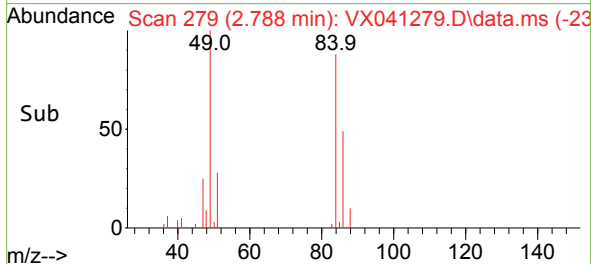
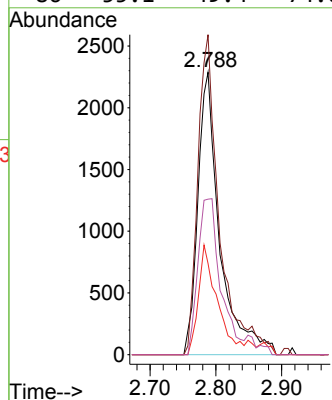


#20
Methylene Chloride
Concen: 4.363 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

Instrument :
MSVOA_X
ClientSampleId :

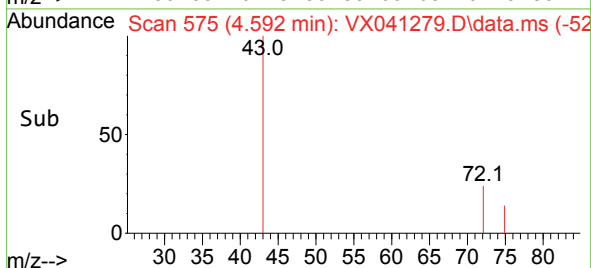
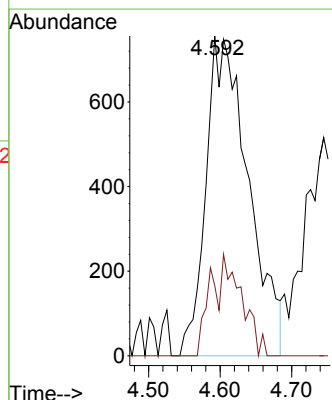
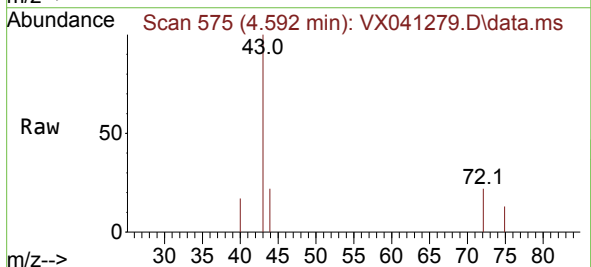


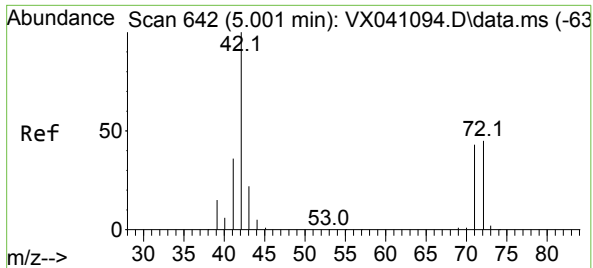
Tgt Ion:	84	Resp:	5296
Ion	Ratio	Lower	Upper
84	100		
49	113.3	103.6	155.4
51	32.3	33.8	50.6#
86	55.1	49.4	74.0



#25
2-Butanone
Concen: 3.667 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

Tgt Ion:	43	Resp:	3112
Ion	Ratio	Lower	Upper
43	100		
72	22.0	19.4	29.2





#29

Tetrahydrofuran

Concen: 1.019 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.042 min

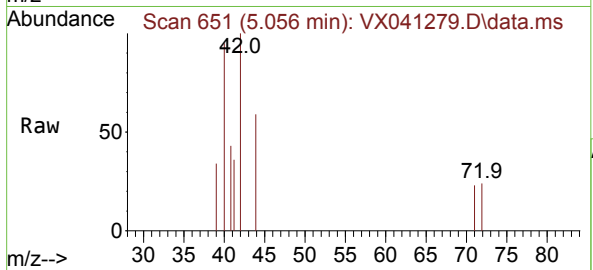
Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

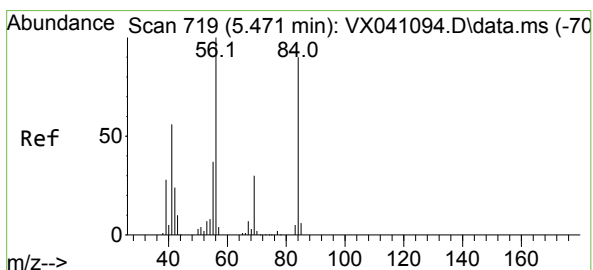
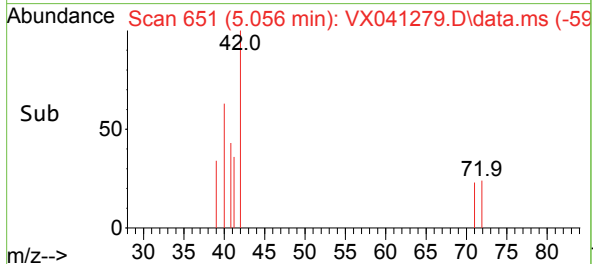
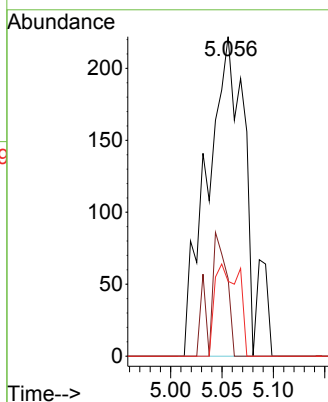
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	589
Ion	Ratio	Lower	Upper
42	100		
72	16.6	34.2	51.4#
71	17.5	32.2	48.2#



#31

Cyclohexane

Concen: 1.363 ug/l

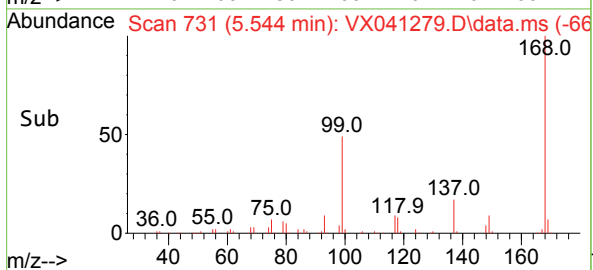
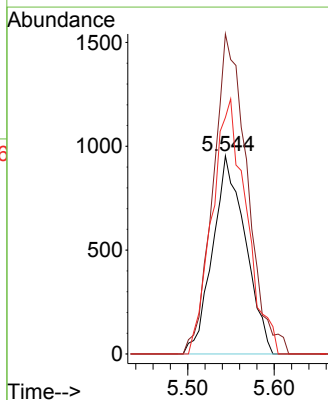
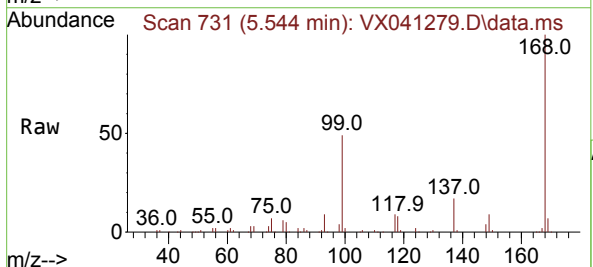
RT: 5.544 min Scan# 731

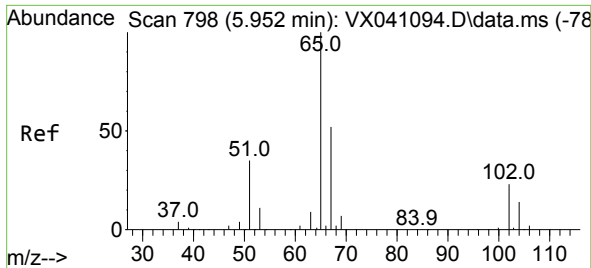
Delta R.T. 0.079 min

Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

Tgt Ion:	56	Resp:	2504
Ion	Ratio	Lower	Upper
56	100		
69	161.5	23.4	35.2#
84	125.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 55.080 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

Instrument :

MSVOA_X

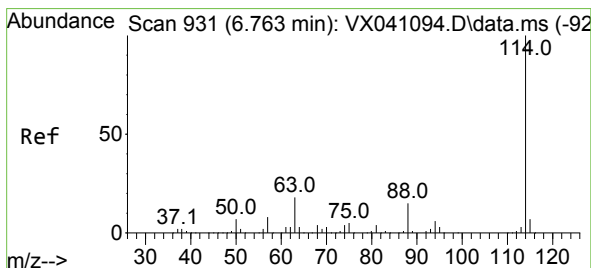
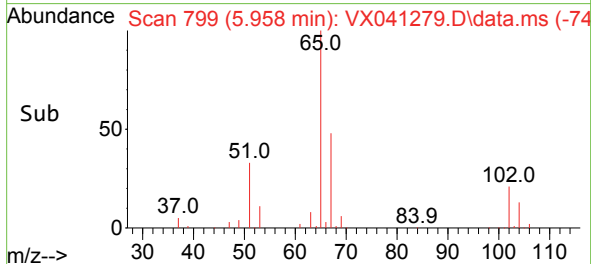
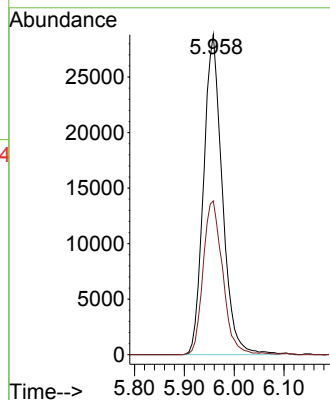
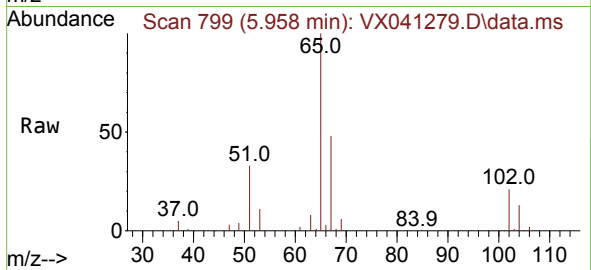
ClientSampleId :

Tgt Ion: 65 Resp: 75202

Ion Ratio Lower Upper

65 100

67 50.2 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: VX041279.D

Acq: 29 Apr 2024 16:41

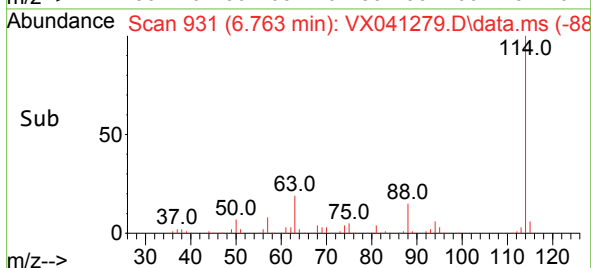
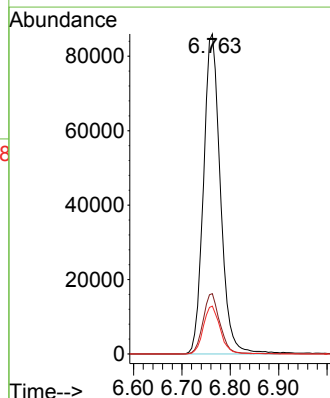
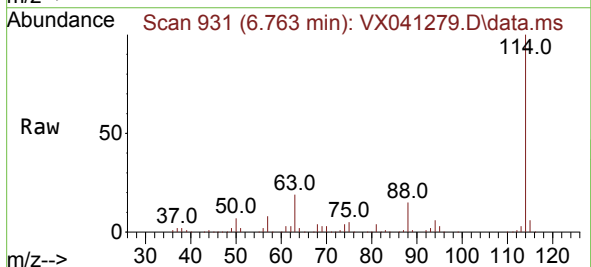
Tgt Ion: 114 Resp: 209188

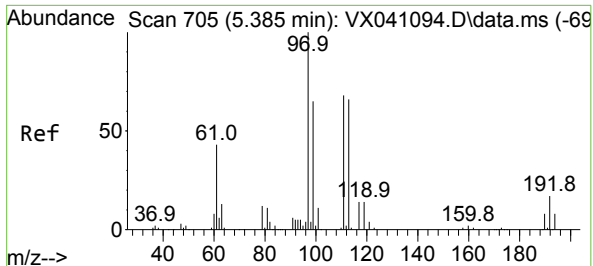
Ion Ratio Lower Upper

114 100

63 18.9 0.0 45.0

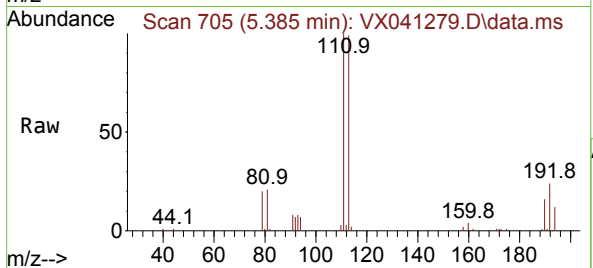
88 15.0 0.0 36.6



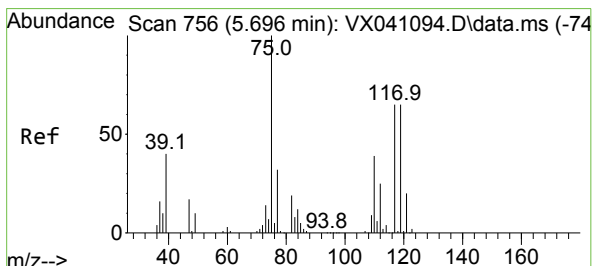
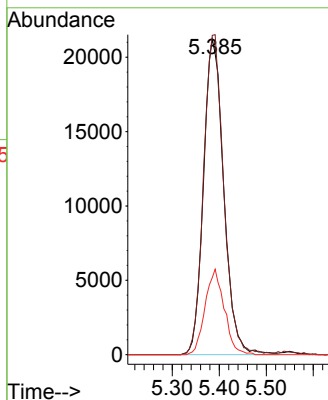
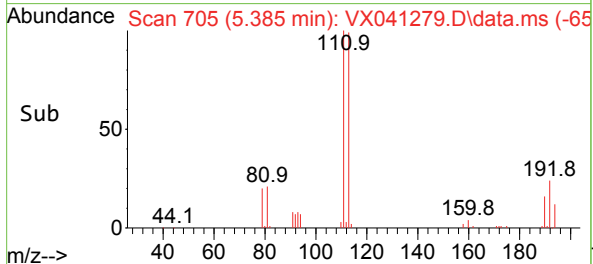


#35
Dibromofluoromethane
Concen: 49.908 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

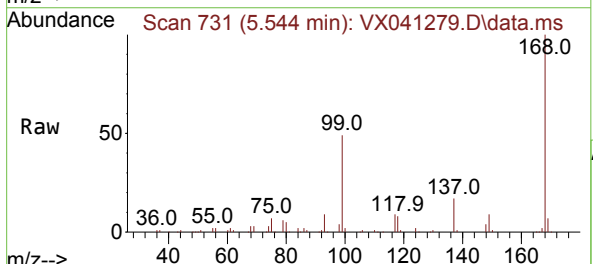
Instrument :
MSVOA_X
ClientSampleId :



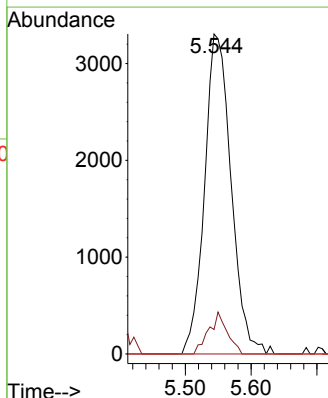
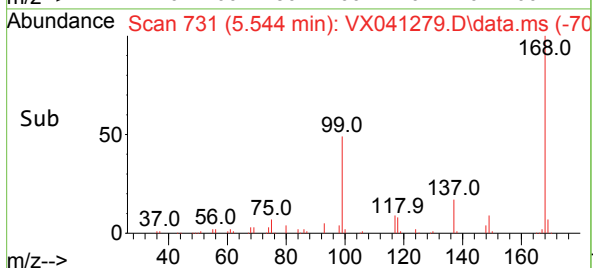
Tgt Ion:113 Resp: 63506
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 25.6 13.3 19.9#

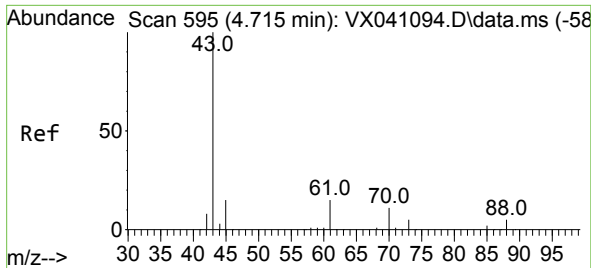


#36
1,1-Dichloropropene
Concen: 5.705 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41



Tgt Ion: 75 Resp: 9289
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.492 ug/l

RT: 4.757 min Scan# 602

Delta R.T. 0.036 min

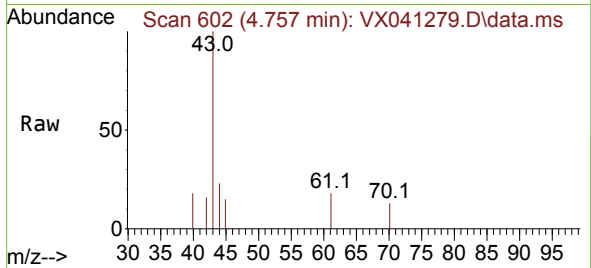
Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

Instrument :

MSVOA_X

ClientSampleId :



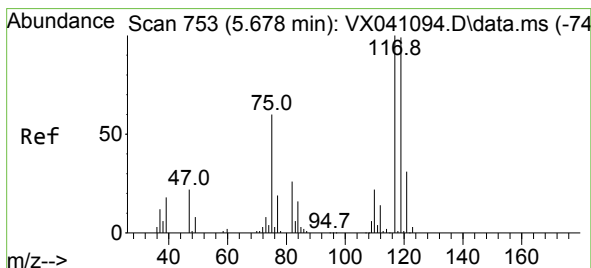
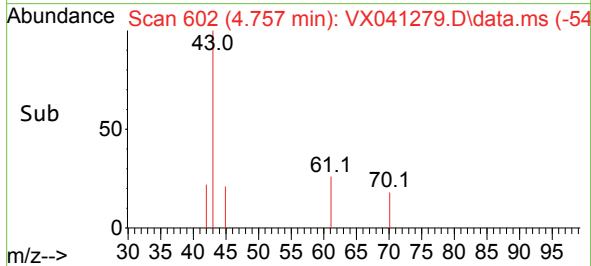
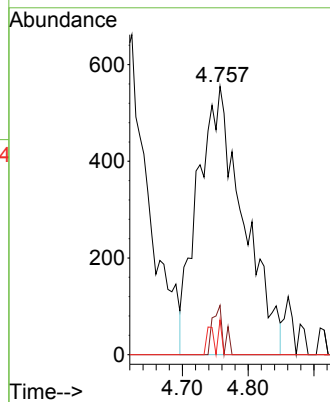
Tgt Ion: 43 Resp: 2666

Ion Ratio Lower Upper

43 100

61 4.4 10.6 16.0#

70 1.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.985 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

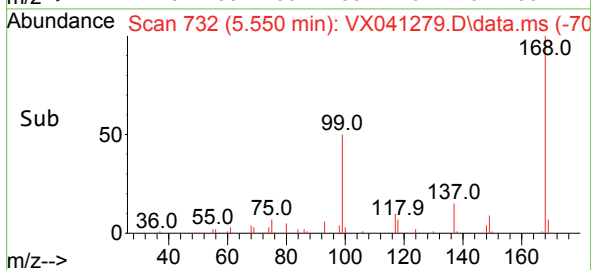
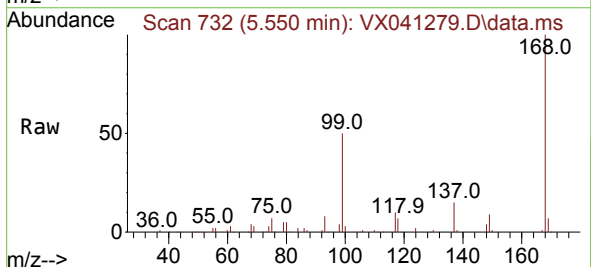
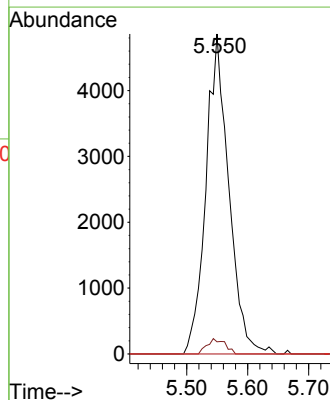
Tgt Ion: 117 Resp: 12702

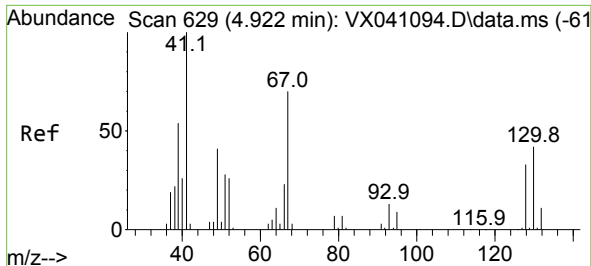
Ion Ratio Lower Upper

117 100

119 3.8 78.2 117.2#

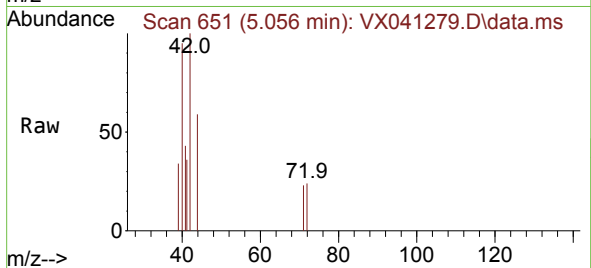
121 0.0 24.4 36.6#



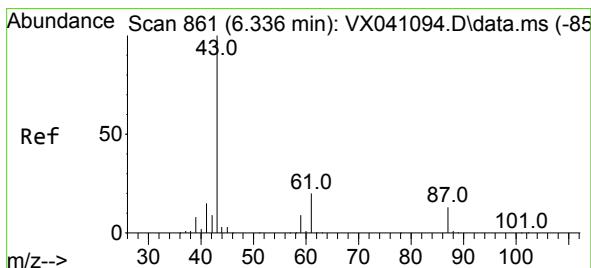
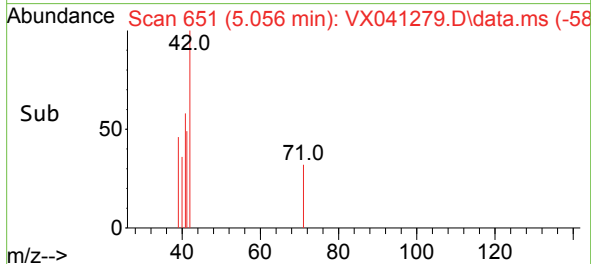
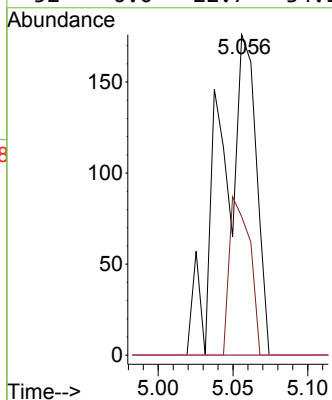


#41
Methacrylonitrile
Concen: 0.312 ug/l
RT: 5.056 min Scan# 61
Delta R.T. 0.128 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

Instrument :
MSVOA_X
ClientSampleId :

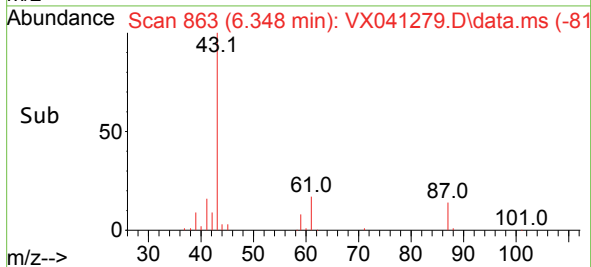
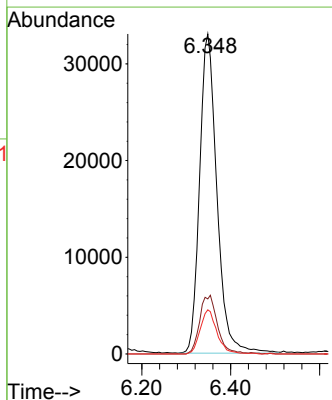
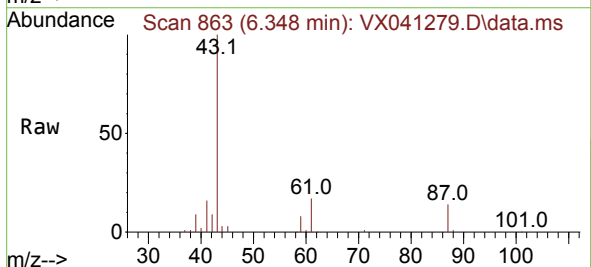


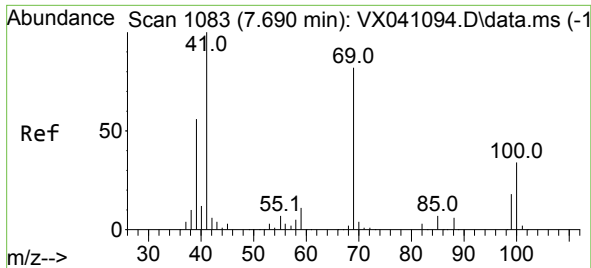
Tgt Ion:	41	Resp:	290
Ion	Ratio	Lower	Upper
41	100		
39	28.3	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 31.129 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.000 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

Tgt Ion:	43	Resp:	89575
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	13.4	9.8	14.6





#48

Methyl methacrylate

Concen: 1.716 ug/l

RT: 7.629 min Scan# 1100

Delta R.T. -0.067 min

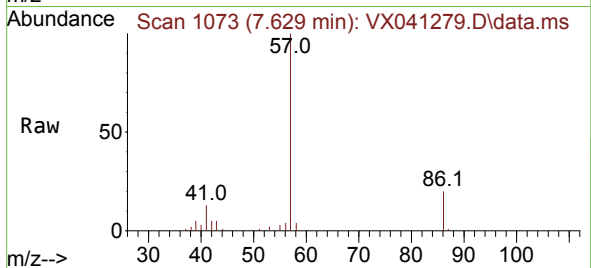
Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

Instrument :

MSVOA_X

ClientSampleId :



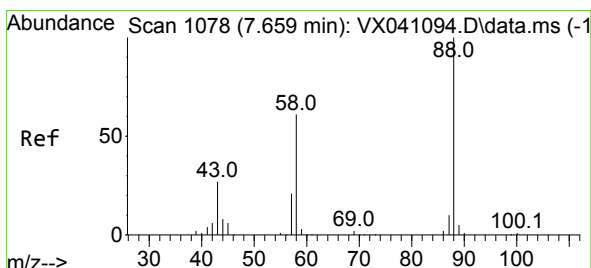
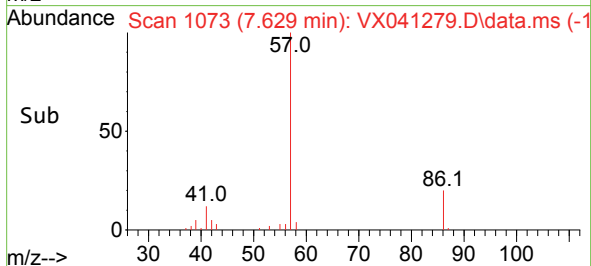
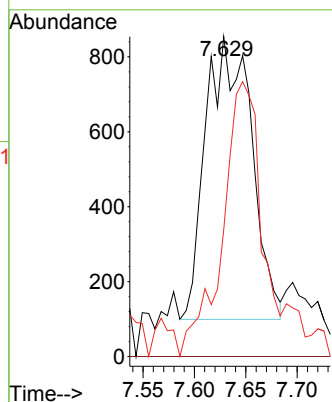
Tgt Ion: 41 Resp: 2336

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 81.6 47.7 71.5#



#49

1,4-Dioxane

Concen: 1.843 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.122 min

Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

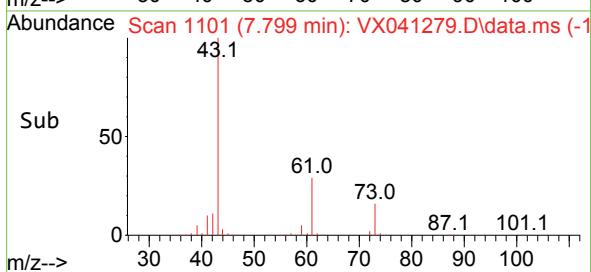
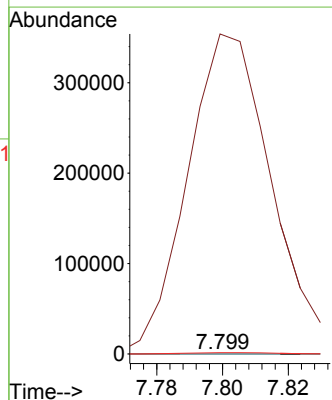
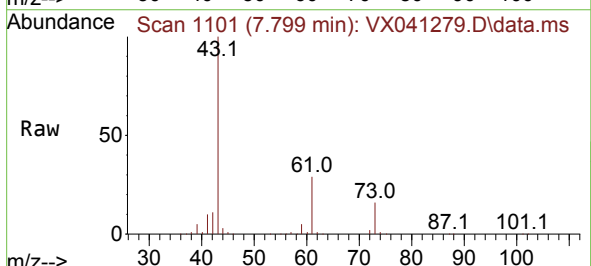
Tgt Ion: 88 Resp: 54

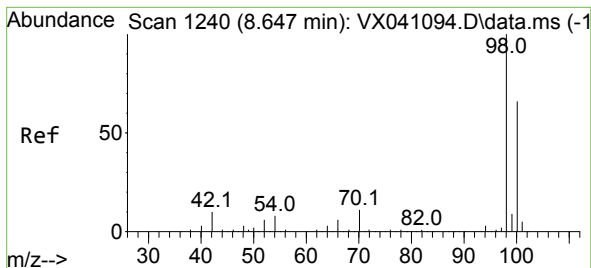
Ion Ratio Lower Upper

88 100

43 1201177.8 0.0 0.0#

58 5109.3 60.1 90.1#





#50

Toluene-d8

Concen: 54.793 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

Instrument :

MSVOA_X

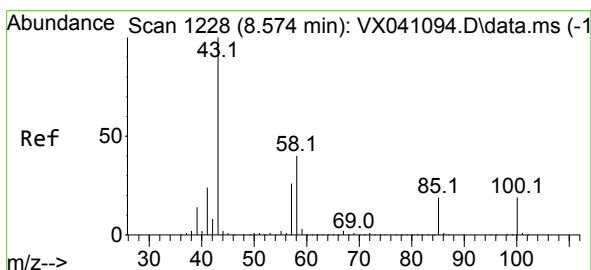
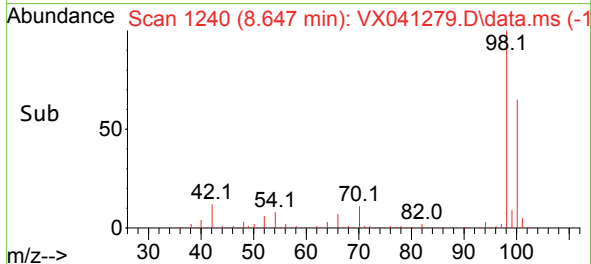
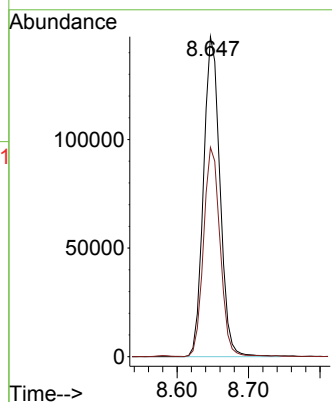
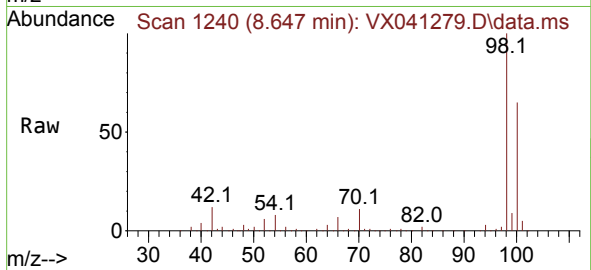
ClientSampleId :

Tgt Ion: 98 Resp: 235236

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 40.423 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX041279.D

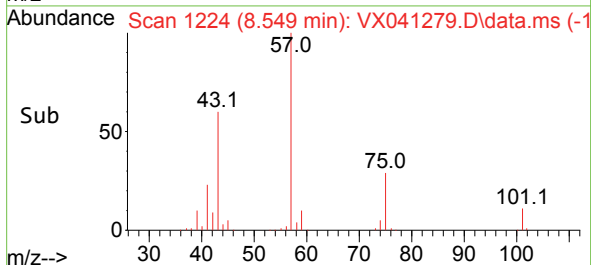
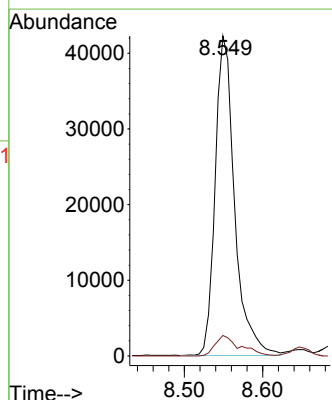
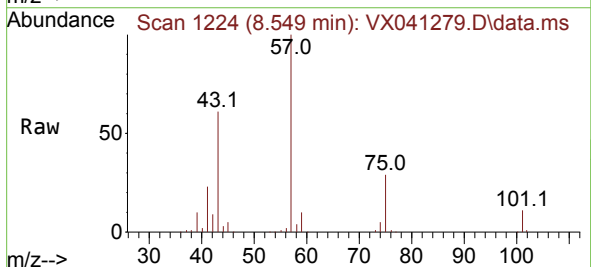
Acq: 29 Apr 2024 16:41

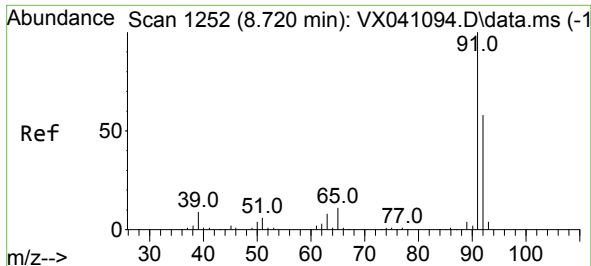
Tgt Ion: 43 Resp: 72808

Ion Ratio Lower Upper

43 100

58 8.2 30.4 45.6#

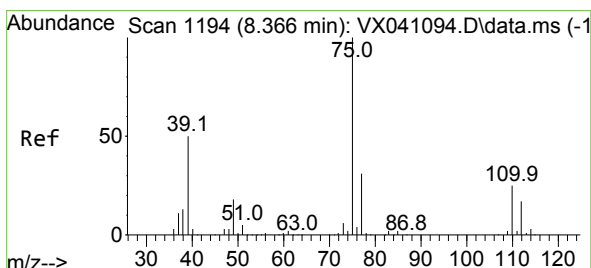
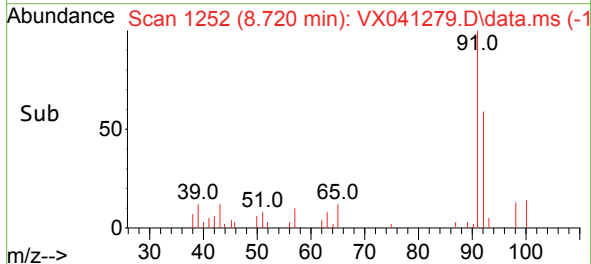
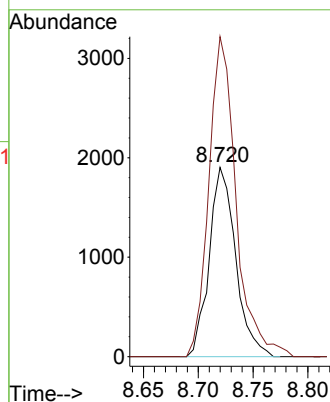
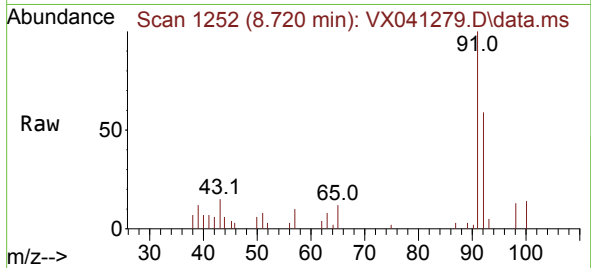




#52
Toluene
Concen: 1.010 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

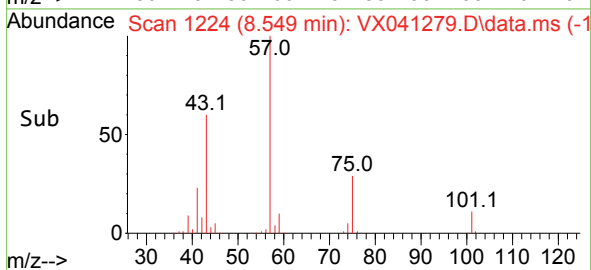
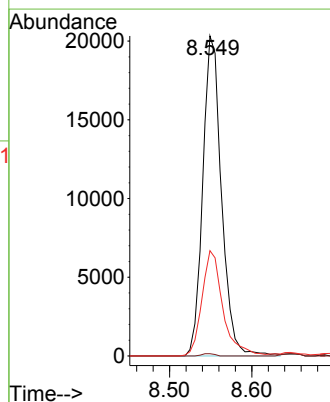
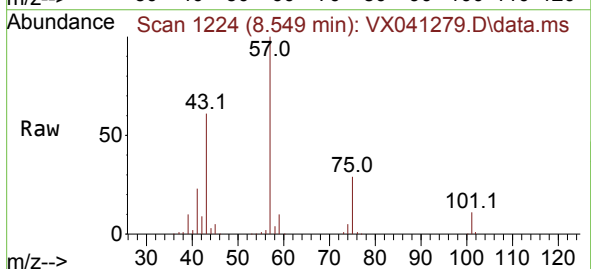
Instrument :
MSVOA_X
ClientSampleId :

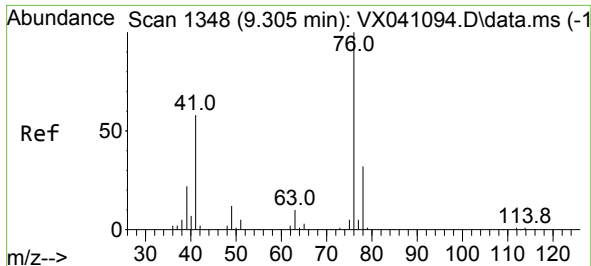
Tgt Ion: 92 Resp: 3201
Ion Ratio Lower Upper
92 100
91 173.4 134.2 201.2



#54
cis-1,3-Dichloropropene
Concen: 17.393 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

Tgt Ion: 75 Resp: 32139
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 32.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.635 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

Instrument :

MSVOA_X

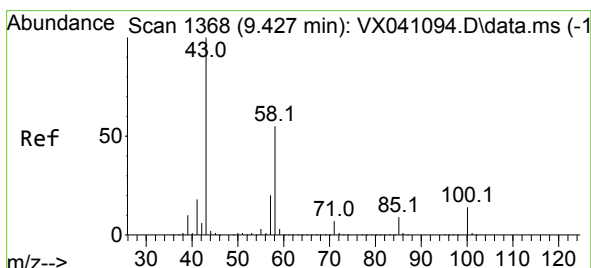
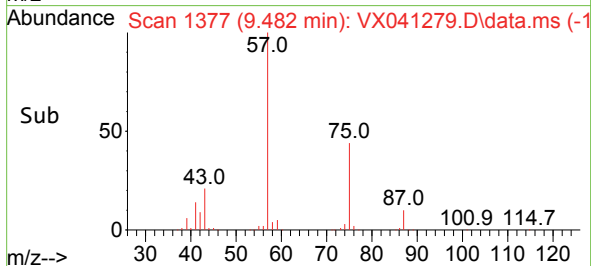
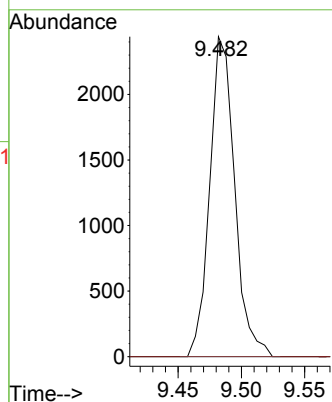
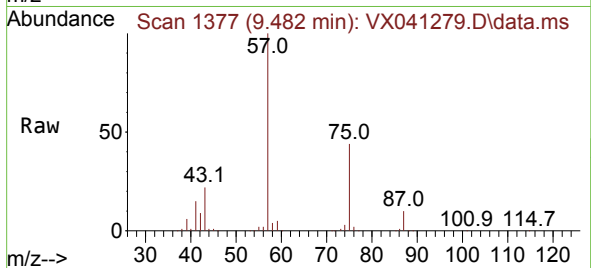
ClientSampleId :

Tgt Ion: 76 Resp: 3347

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 33.477 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041279.D

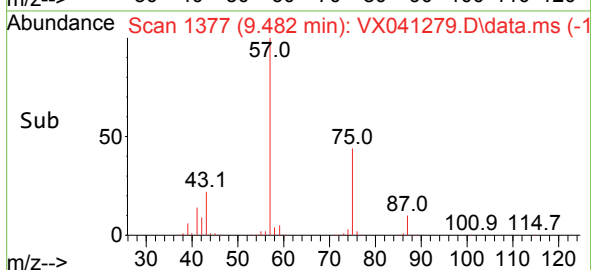
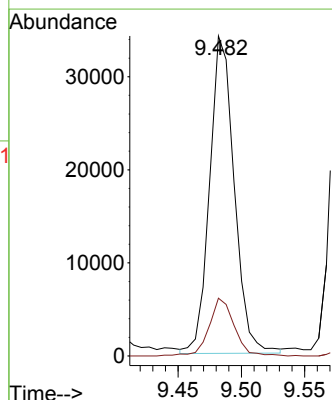
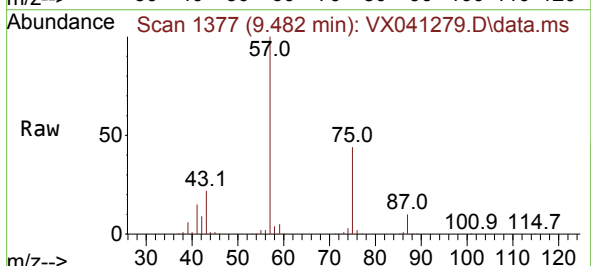
Acq: 29 Apr 2024 16:41

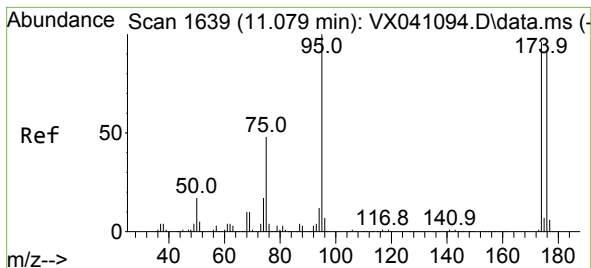
Tgt Ion: 43 Resp: 46238

Ion Ratio Lower Upper

43 100

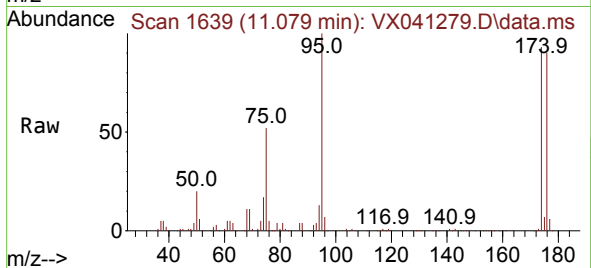
58 18.7 26.2 78.5#



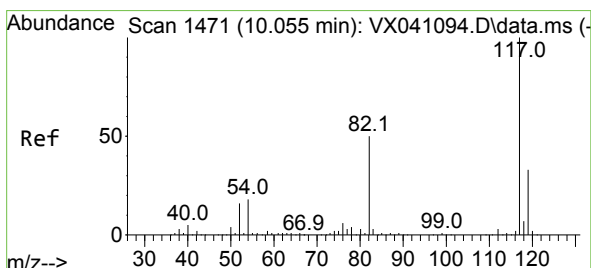
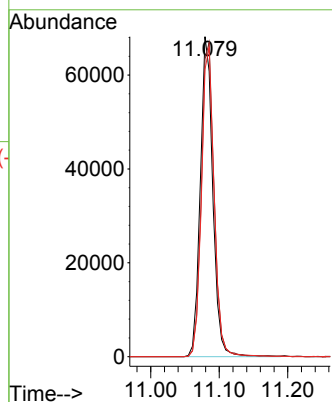
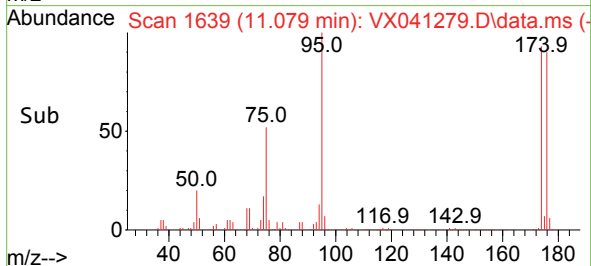


#62
4-Bromofluorobenzene
Concen: 54.760 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

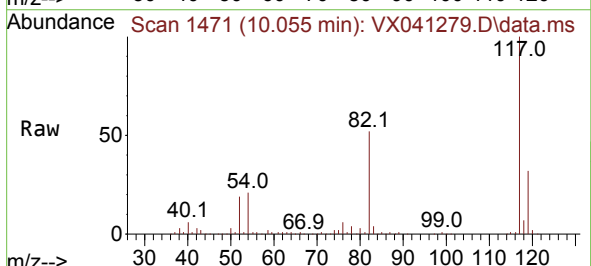
Instrument :
MSVOA_X
ClientSampleId :



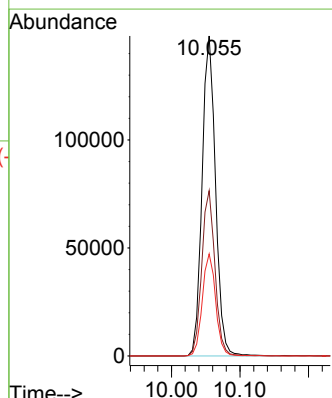
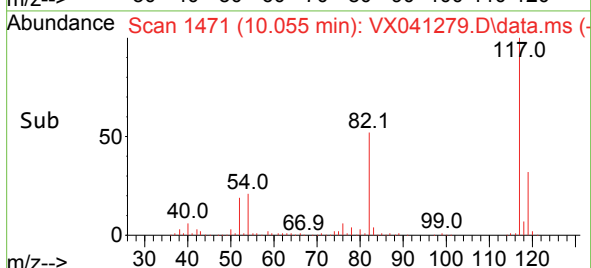
Tgt Ion: 95 Resp: 86772
Ion Ratio Lower Upper
95 100
174 100.4 0.0 135.6
176 98.0 0.0 131.0

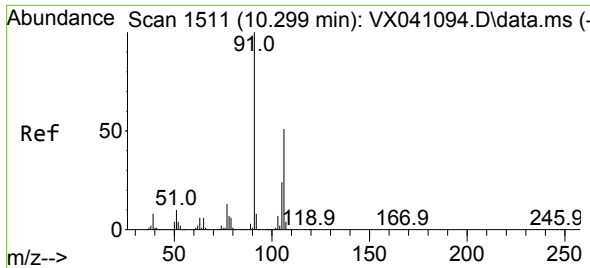


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41



Tgt Ion: 117 Resp: 202562
Ion Ratio Lower Upper
117 100
82 51.6 46.2 69.4
119 31.9 25.5 38.3

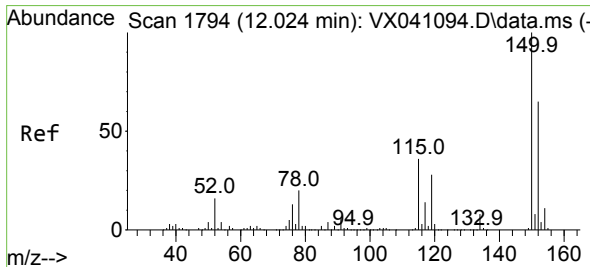
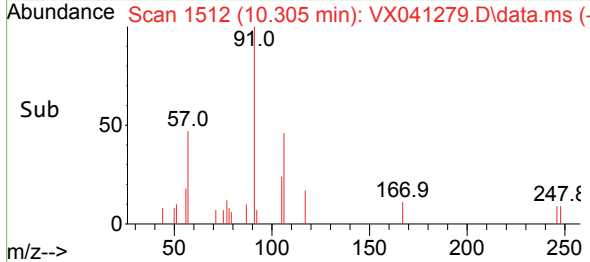
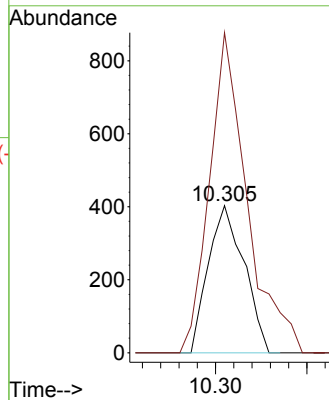
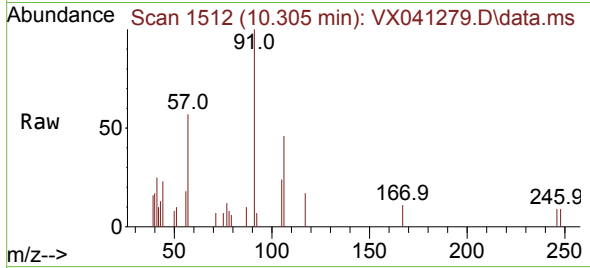




#68
m/p-Xylenes
Concen: 0.204 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

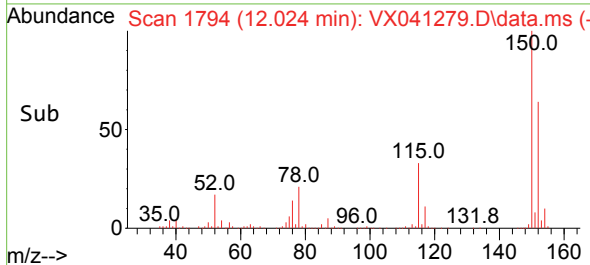
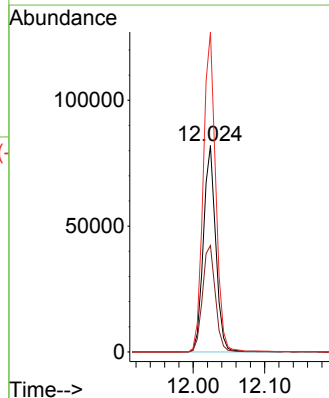
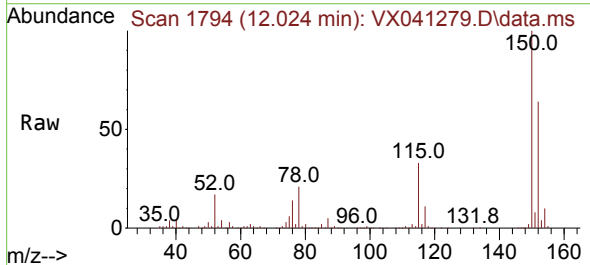
Instrument :
MSVOA_X
ClientSampleId :

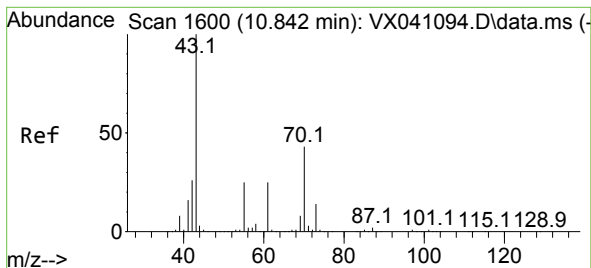
Tgt Ion:106 Resp: 549
Ion Ratio Lower Upper
106 100
91 228.1 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041279.D
Acq: 29 Apr 2024 16:41

Tgt Ion:152 Resp: 98487
Ion Ratio Lower Upper
152 100
115 53.7 43.3 129.9
150 155.9 0.0 345.0





#74

N-amy1 acetate

Concen: 4.068 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

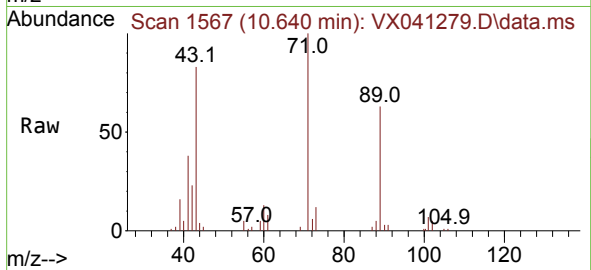
Lab File: VX041279.D

Acq: 29 Apr 2024 16:41

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 9796

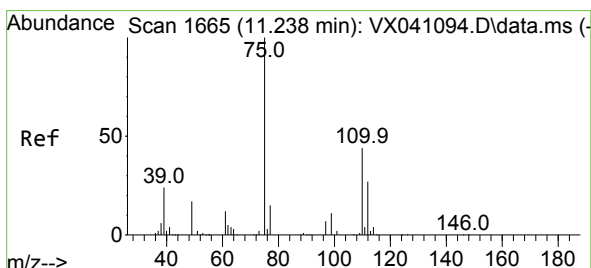
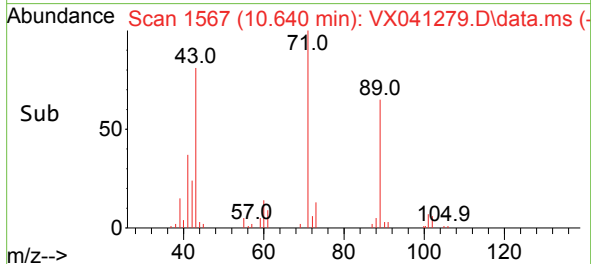
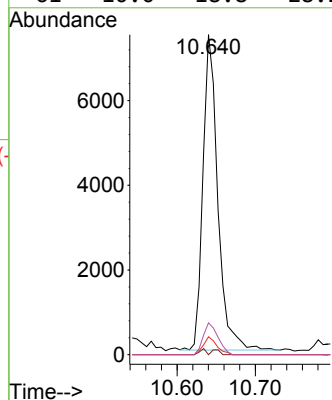
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

43	100		
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70	0.8	32.9	49.3#
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55	5.1	19.3	28.9#
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61	10.0	18.8	28.2#
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#76

1,2,3-Trichloropropane

Concen: 28.143 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041279.D

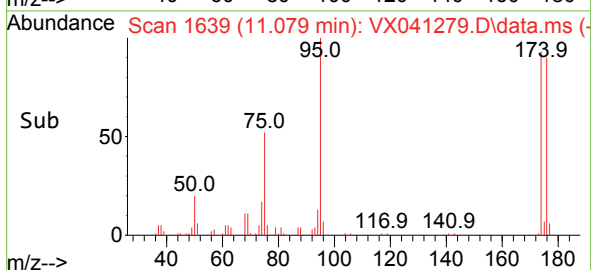
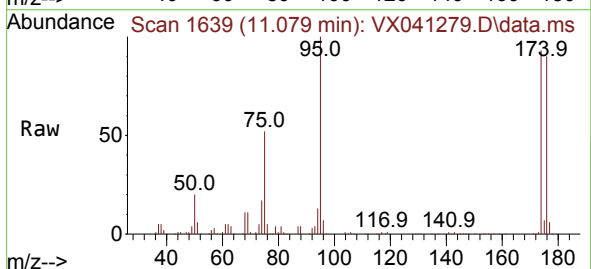
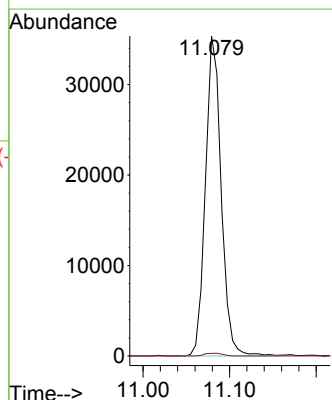
Acq: 29 Apr 2024 16:41

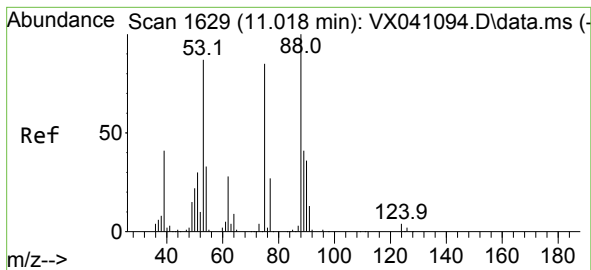
Tgt Ion: 75 Resp: 44657

Ion	Ratio	Lower	Upper
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75	100		
----	-----	--	--

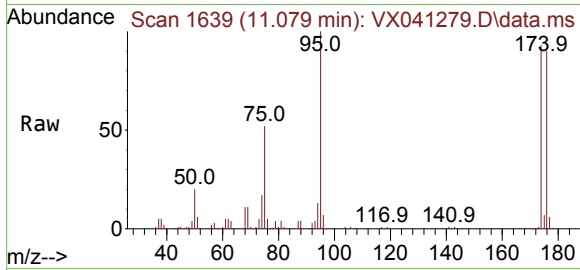
77	1.0	19.1	57.5#
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.400 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041279.D
 Acq: 29 Apr 2024 16:41

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 44657
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

