

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071624\
 Data File : VX042348.D
 Acq On : 16 Jul 2024 17:29
 Operator : JC/MD
 Sample : PB162077ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

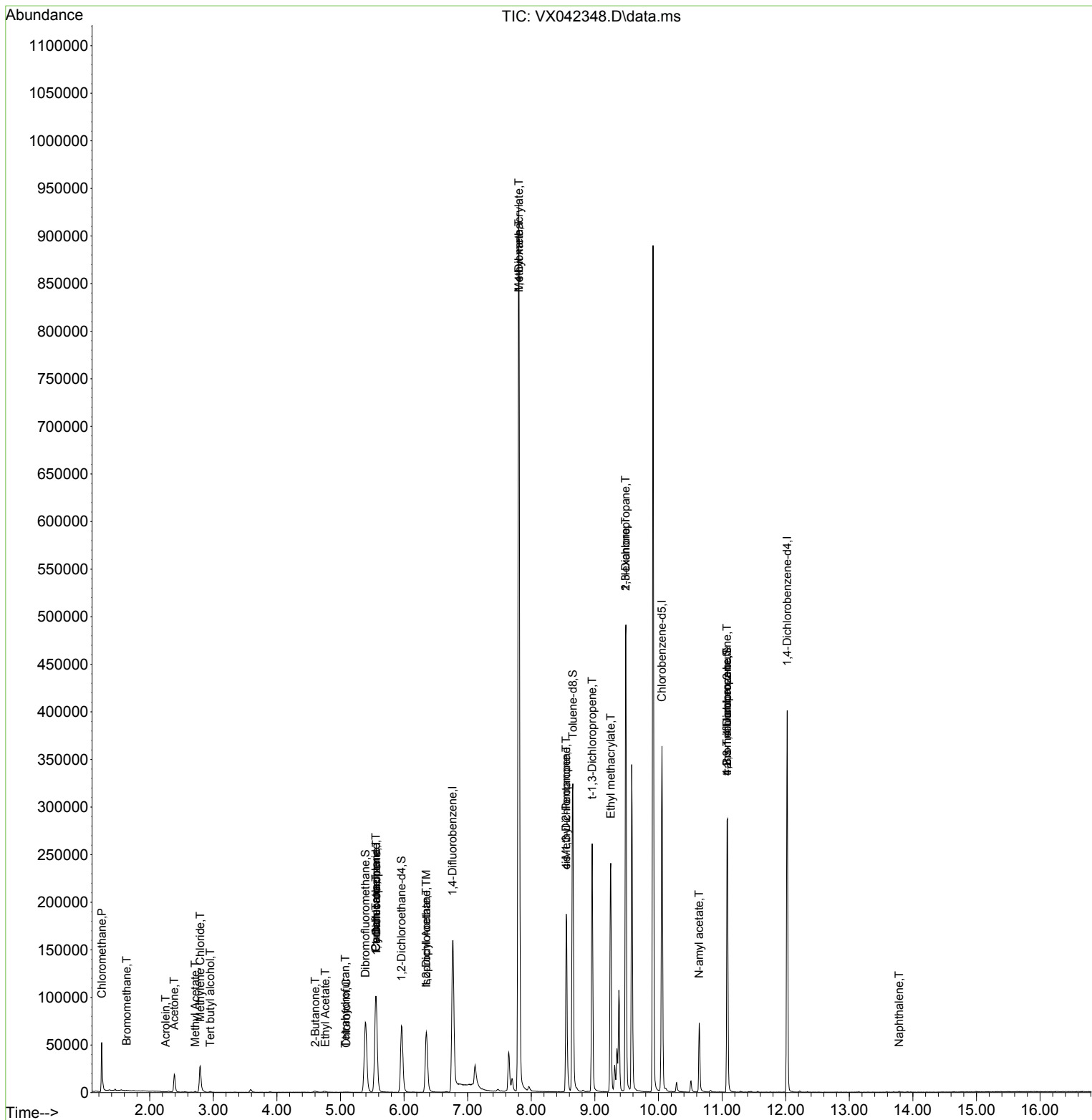
Quant Time: Jul 17 05:40:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

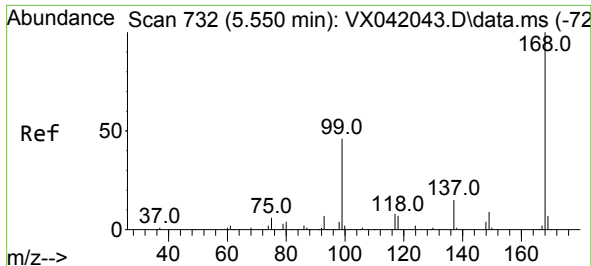
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	113829	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	181114	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65756	50.096	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.200%	
35) Dibromofluoromethane	5.391	113	64732	50.371	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.740%	
50) Toluene-d8	8.653	98	205149	45.441	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 90.880%#	
62) 4-Bromofluorobenzene	11.079	95	79190	47.584	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.246	50	965	0.887	ug/l	# 43
5) Bromomethane	1.636	94	170	0.316	ug/l	94
6) Chloroethane	1.617	64	113	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	375	1.505	ug/l	# 78
13) Acrolein	2.251	56	66	0.236	ug/l	# 14
16) Acetone	2.386	43	19984	34.673	ug/l	# 87
18) Methyl Acetate	2.715	43	1161	0.738	ug/l	98
20) Methylene Chloride	2.794	84	15427	12.224	ug/l	# 84
25) 2-Butanone	4.605	43	1049	1.170	ug/l	91
29) Tetrahydrofuran	5.074	42	179	0.309	ug/l	# 34
30) Chloroform	5.092	83	621	0.323	ug/l	# 71
31) Cyclohexane	5.556	56	1558	1.015	ug/l	# 1
36) 1,1-Dichloropropene	5.562	75	6181	4.529	ug/l	# 51
37) Ethyl Acetate	4.763	43	1992	1.121	ug/l	# 94
38) Carbon Tetrachloride	5.556	117	9147	6.067	ug/l	# 15
42) 1,2-Dichloroethane	6.348	62	362	0.244	ug/l	# 77
43) Isopropyl Acetate	6.348	43	88142	32.303	ug/l	# 94
48) Methyl methacrylate	7.805	41	76821	58.992	ug/l	# 45
49) 1,4-Dioxane	7.805	88	65	21.780	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	61494	32.717	ug/l	# 53
53) t-1,3-Dichloropropene	8.958	75	643	1.296	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	33256	20.065	ug/l	# 50
56) Ethyl methacrylate	9.250	69	872	0.459	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	4631	2.348	ug/l	# 42
59) 2-Hexanone	9.482	43	55379	38.468	ug/l	# 56
74) N-amyl acetate	10.640	43	17284	6.841	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	35607	20.967	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	35607	59.544	ug/l	# 5
95) Naphthalene	13.786	128	953	0.888	ug/l	98

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

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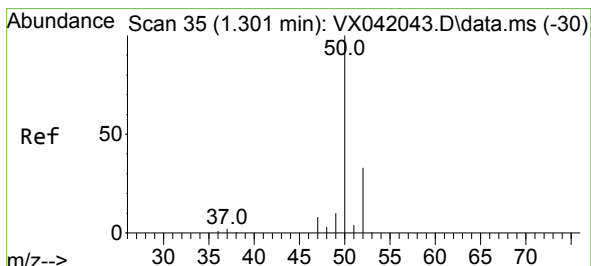
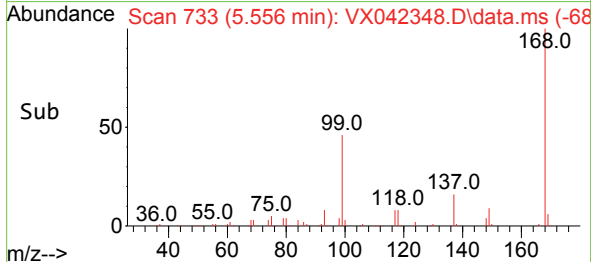
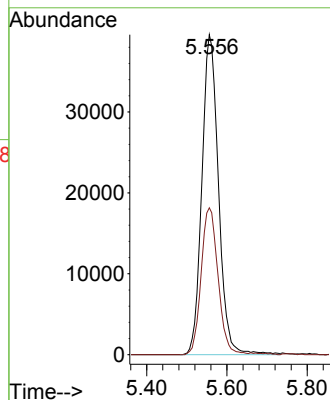
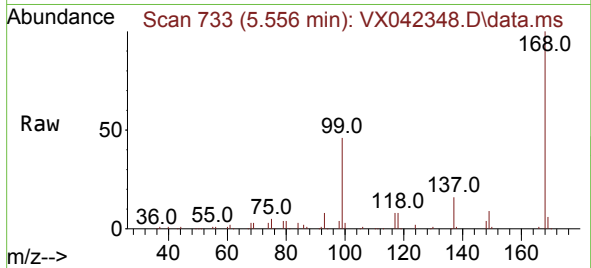




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

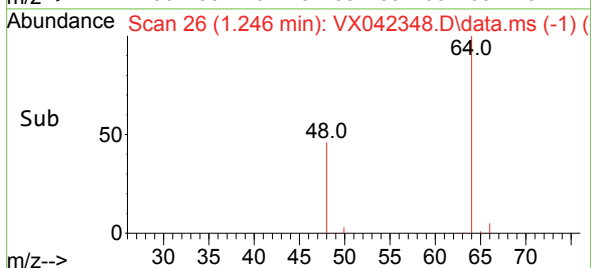
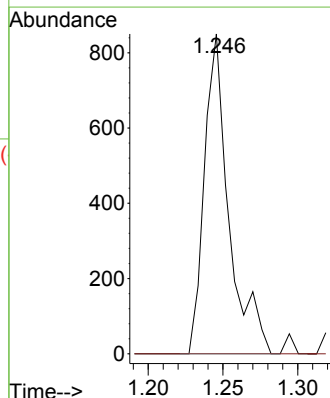
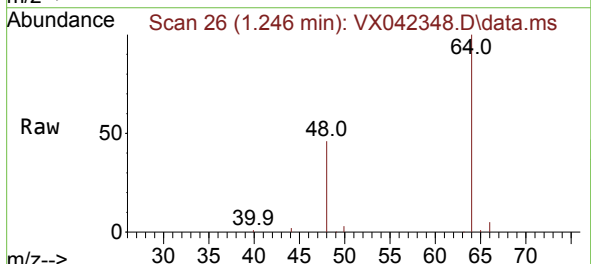
Instrument :
MSVOA_X
ClientSampleId :

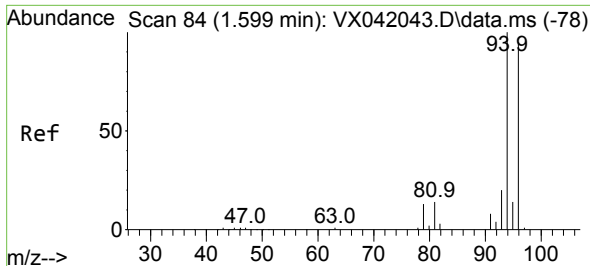
Tgt Ion:168 Resp: 113829
Ion Ratio Lower Upper
168 100
99 45.9 56.6 85.0#



#3
Chloromethane
Concen: 0.887 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.061 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

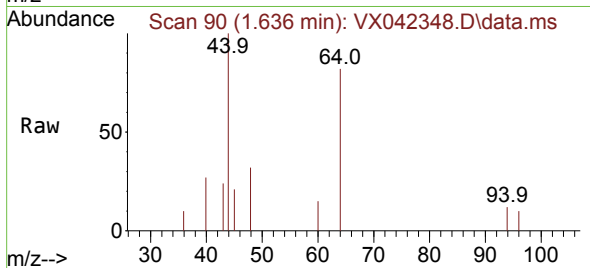
Tgt Ion: 50 Resp: 965
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



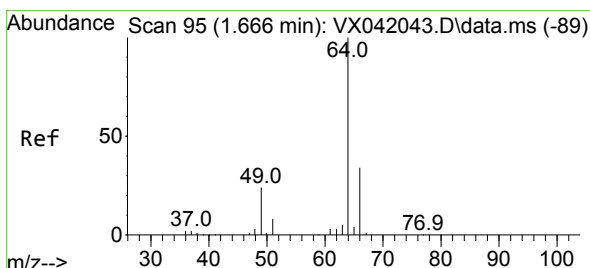
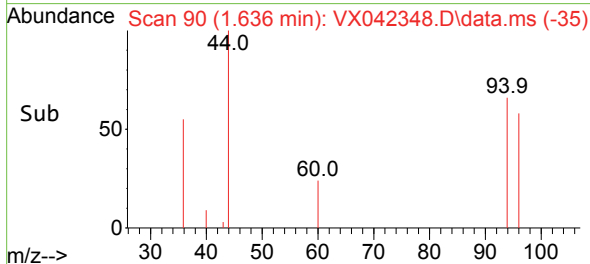
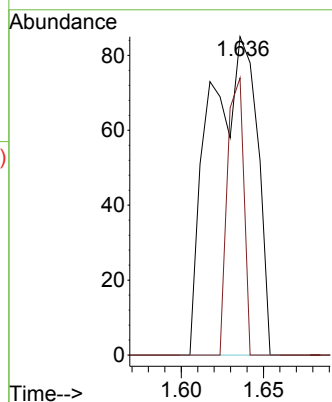


#5
Bromomethane
Concen: 0.316 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.037 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :

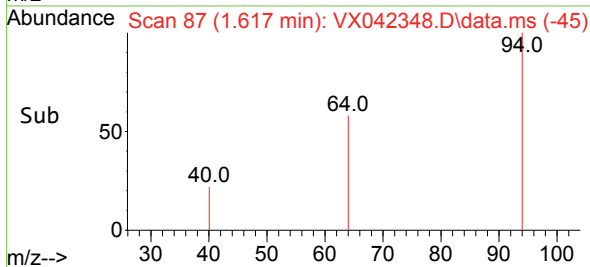
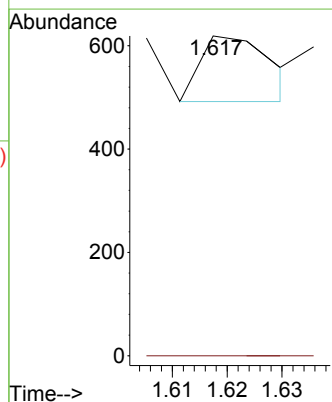
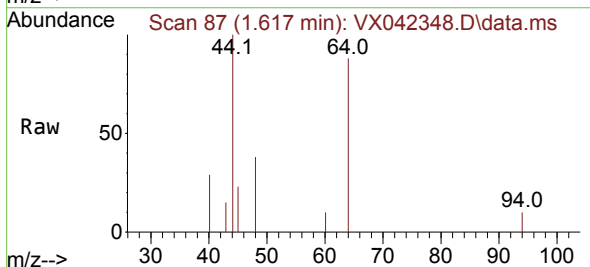


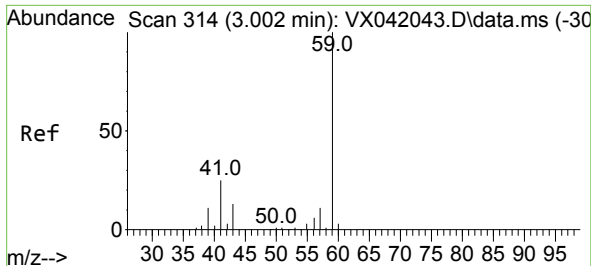
Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 87.1 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. -0.043 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Tgt Ion: 64 Resp: 113
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.505 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.055 min

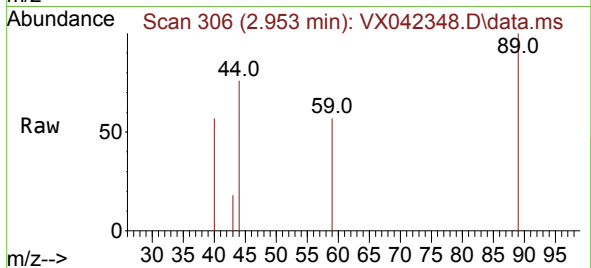
Lab File: VX042348.D

Acq: 16 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

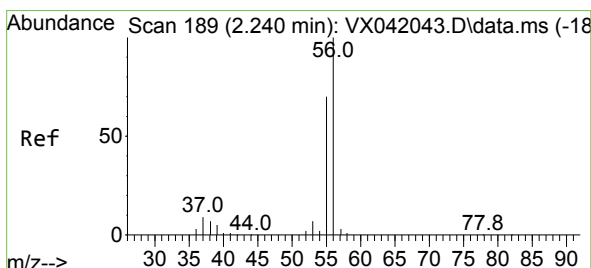
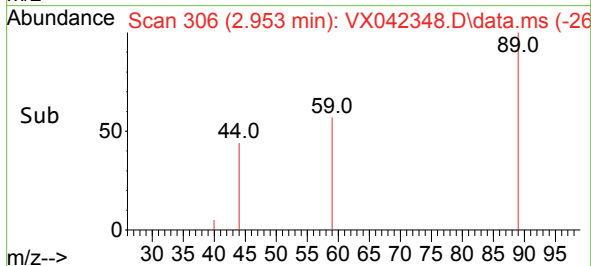
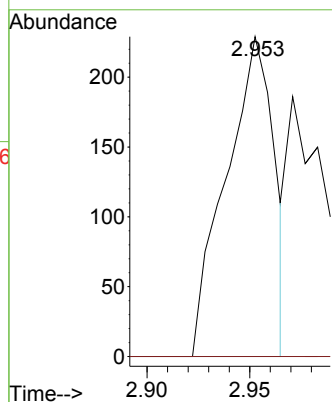


Tgt Ion: 59 Resp: 375

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.236 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX042348.D

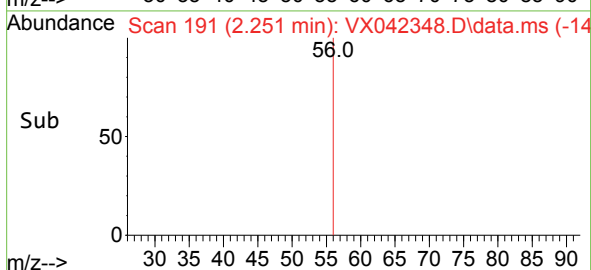
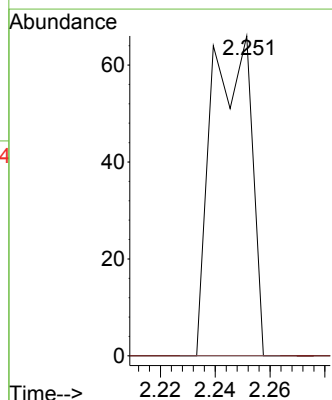
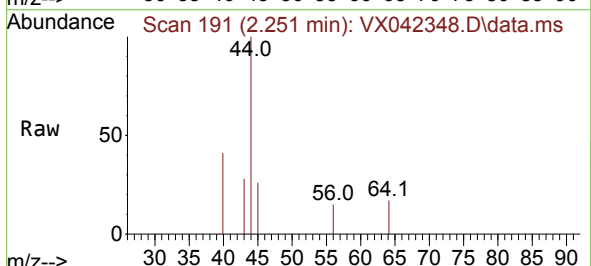
Acq: 16 Jul 2024 17:29

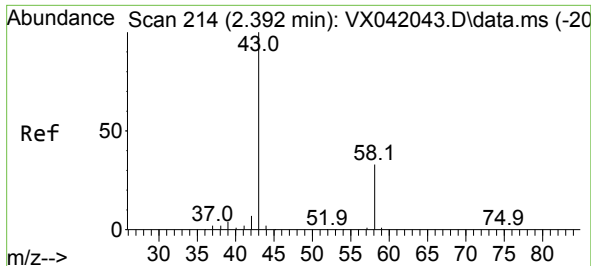
Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

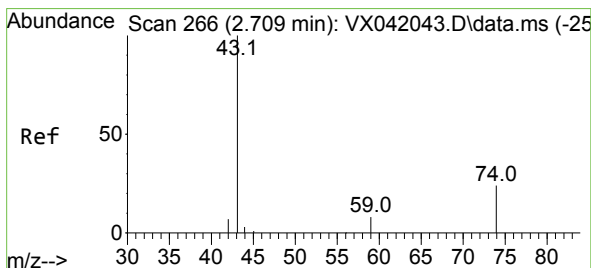
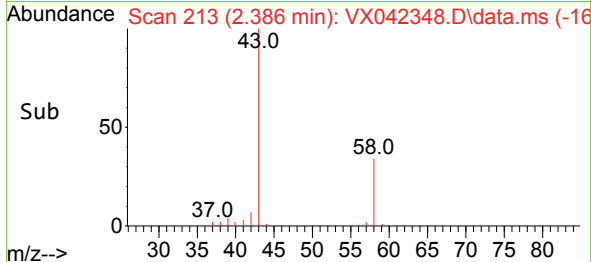
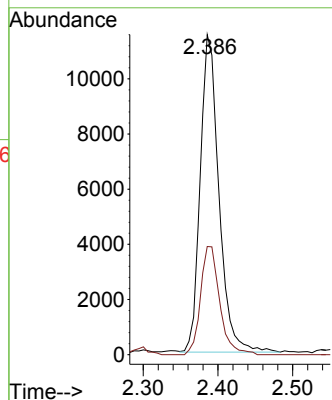
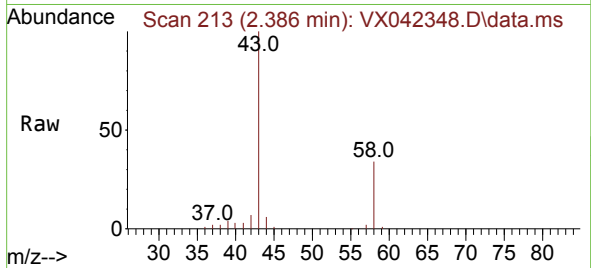




#16
Acetone
Concen: 34.673 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

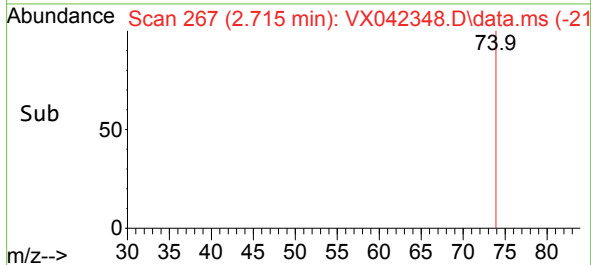
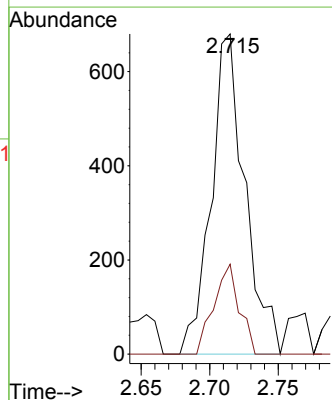
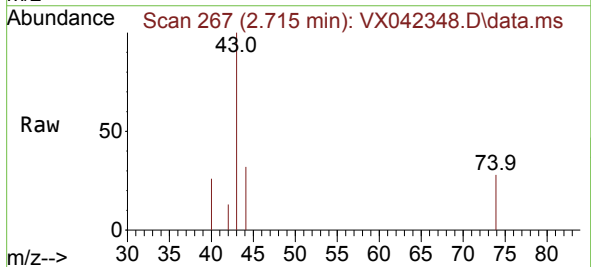
Instrument :
MSVOA_X
ClientSampleId :

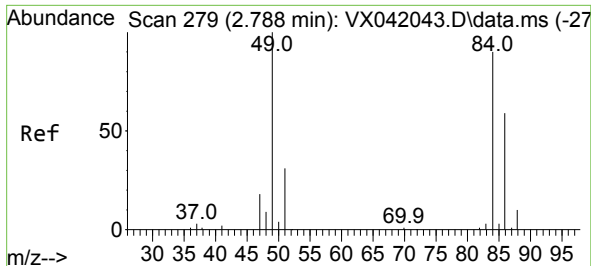
Tgt Ion: 43 Resp: 19984
Ion Ratio Lower Upper
43 100
58 34.1 21.9 32.9#



#18
Methyl Acetate
Concen: 0.738 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
74 21.2 17.8 26.8





#20

Methylene Chloride

Concen: 12.224 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX042348.D

Acq: 16 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 15427

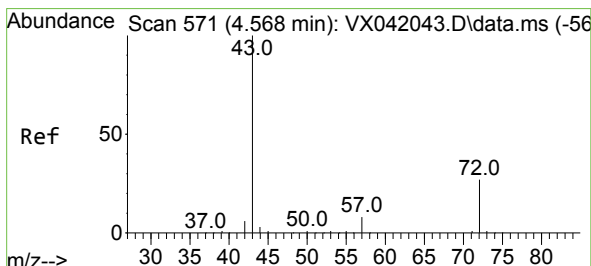
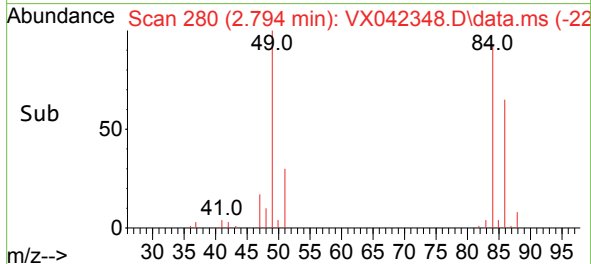
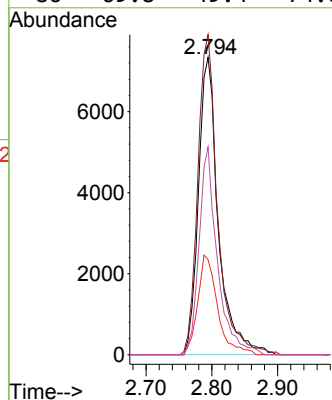
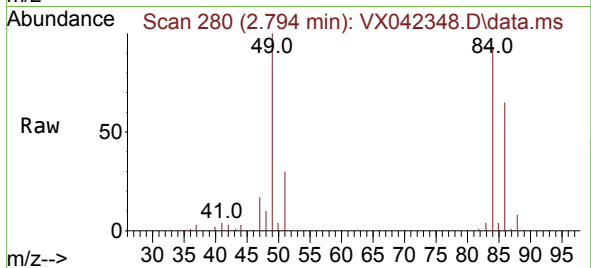
Ion Ratio Lower Upper

84 100

49 107.6 103.6 155.4

51 32.0 33.8 50.6#

86 69.8 49.4 74.0



#25

2-Butanone

Concen: 1.170 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.030 min

Lab File: VX042348.D

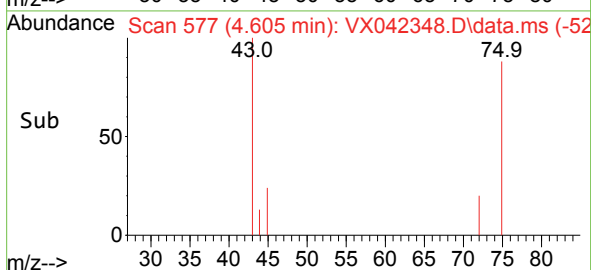
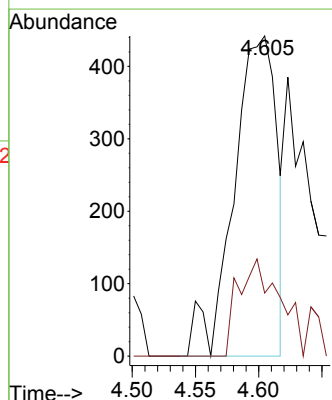
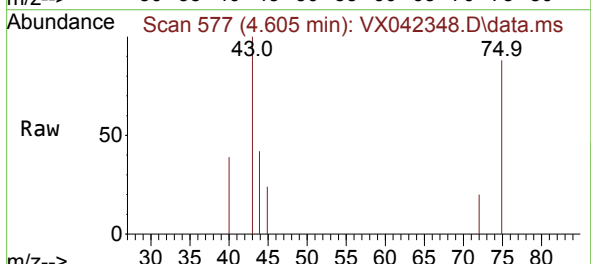
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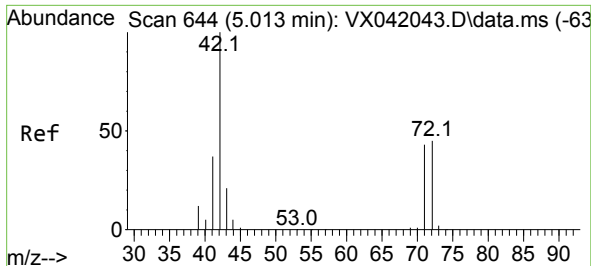
Tgt Ion: 43 Resp: 1049

Ion Ratio Lower Upper

43 100

72 19.7 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.309 ug/l

RT: 5.074 min Scan# 6

Delta R.T. 0.055 min

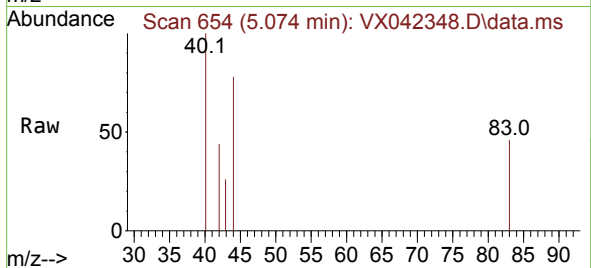
Lab File: VX042348.D

Acq: 16 Jul 2024 17:29

Instrument :

MSVOA_X

ClientSampleId :



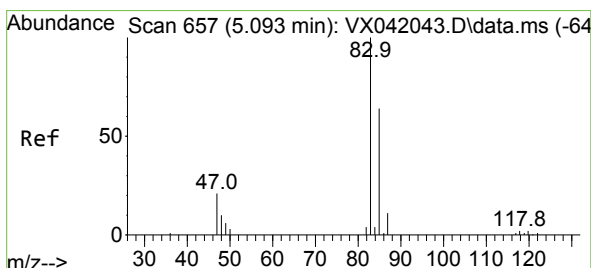
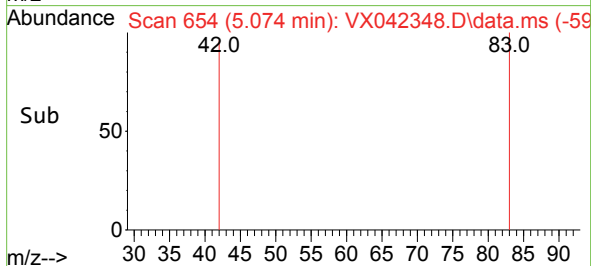
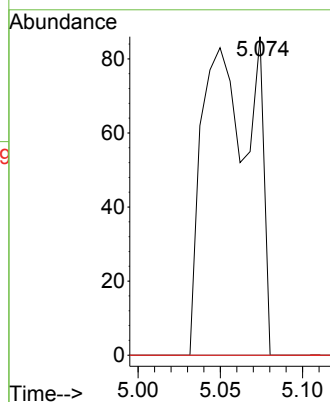
Tgt Ion: 42 Resp: 179

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#30

Chloroform

Concen: 0.323 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX042348.D

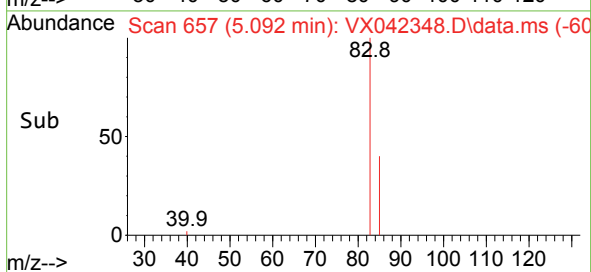
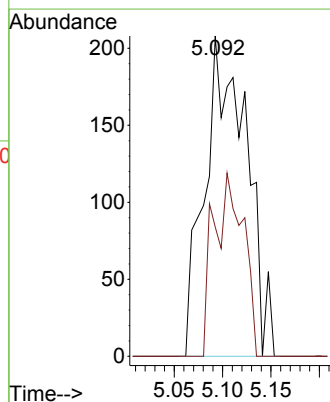
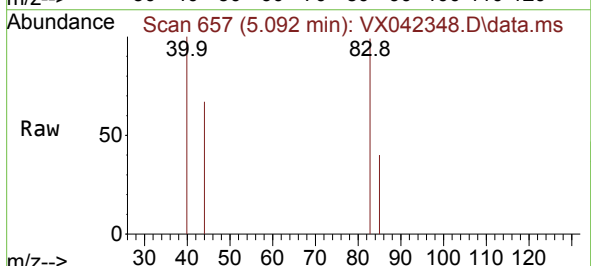
Acq: 16 Jul 2024 17:29

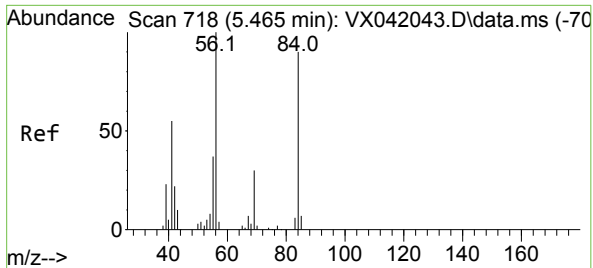
Tgt Ion: 83 Resp: 621

Ion Ratio Lower Upper

83 100

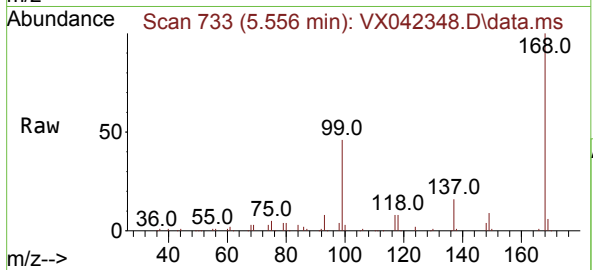
85 40.4 50.3 75.5#



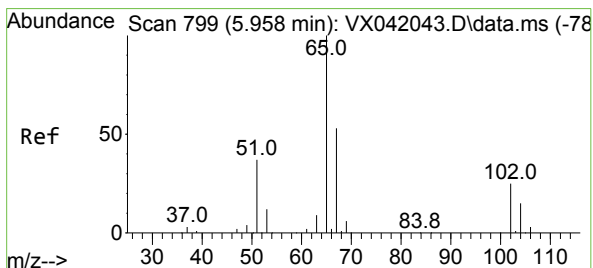
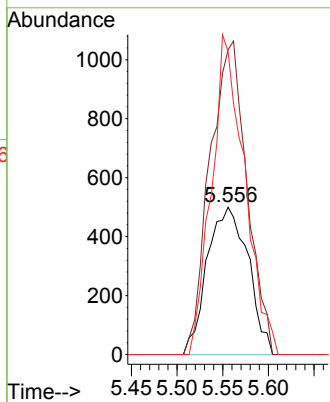
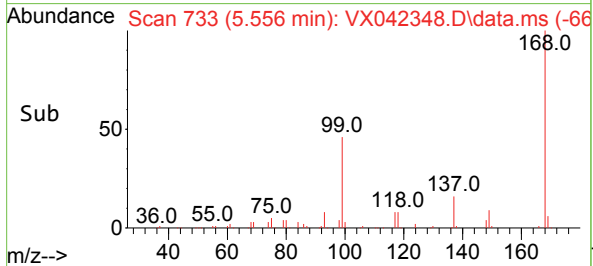


#31
Cyclohexane
Concen: 1.015 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :

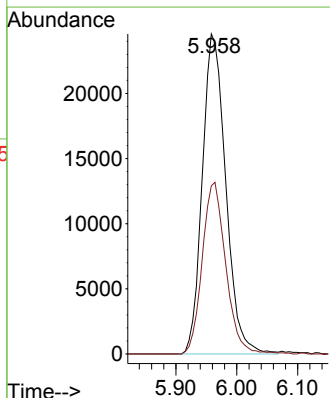
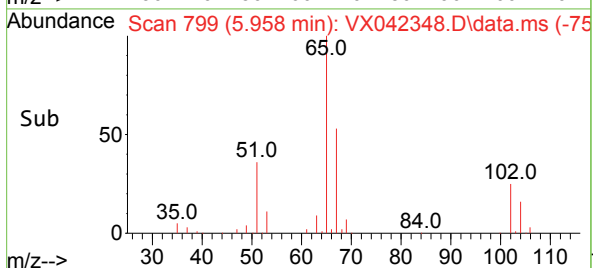
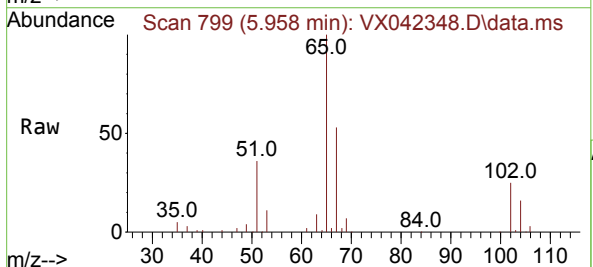


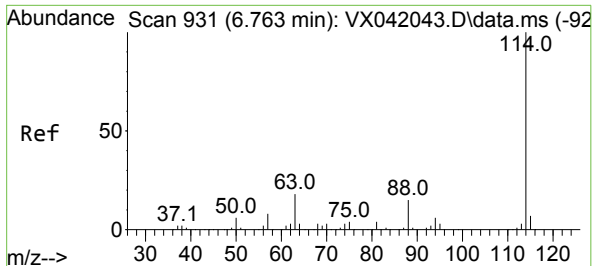
Tgt Ion: 56 Resp: 1558
Ion Ratio Lower Upper
56 100
69 206.8 23.4 35.2#
84 205.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 50.096 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Tgt Ion: 65 Resp: 65756
Ion Ratio Lower Upper
65 100
67 53.7 0.0 100.2

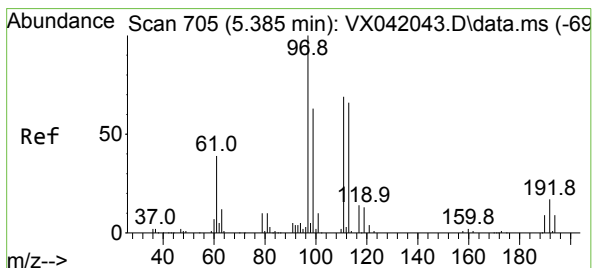
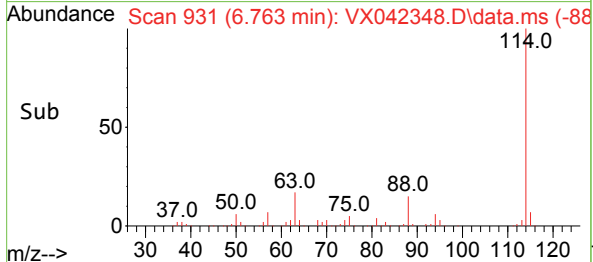
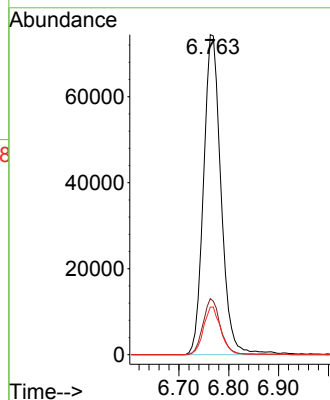
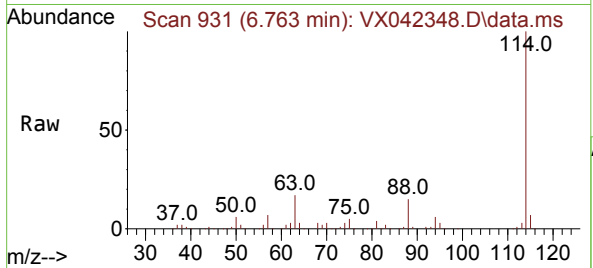




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

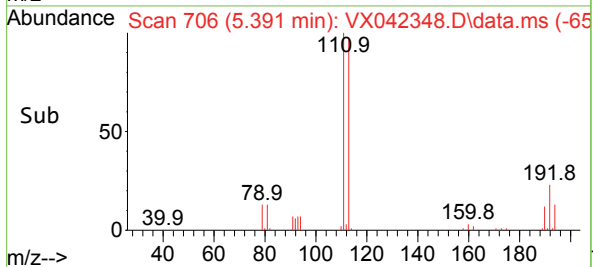
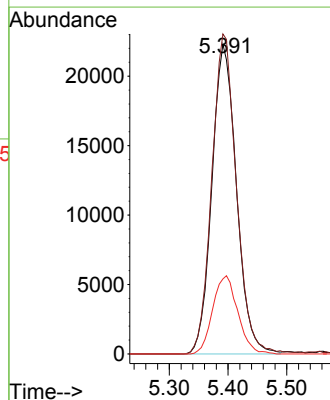
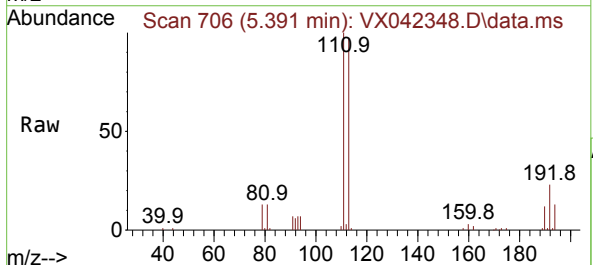
Instrument :
MSVOA_X
ClientSampleId :

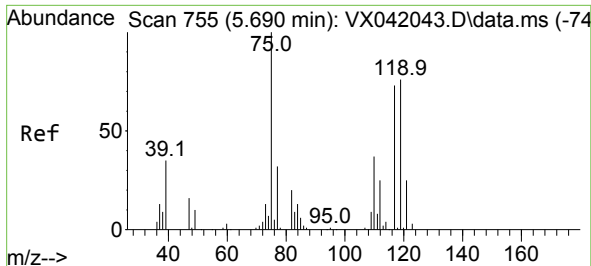
Tgt Ion:114 Resp: 181114
Ion Ratio Lower Upper
114 100
63 17.5 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.371 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

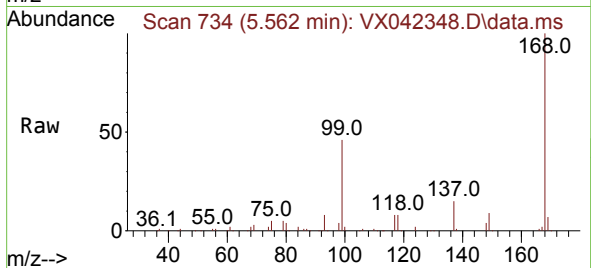
Tgt Ion:113 Resp: 64732
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 25.8 13.3 19.9#



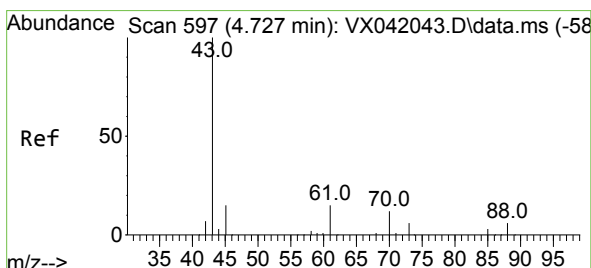
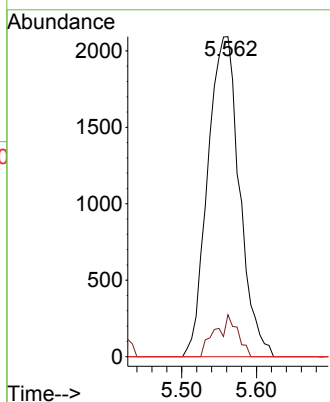
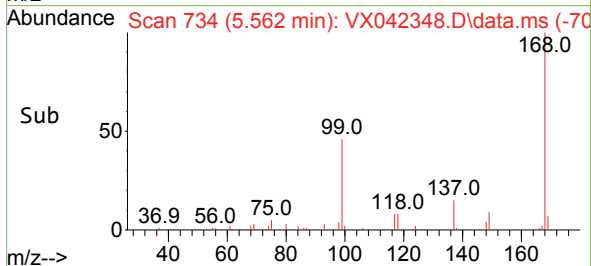


#36
1,1-Dichloropropene
Concen: 4.529 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

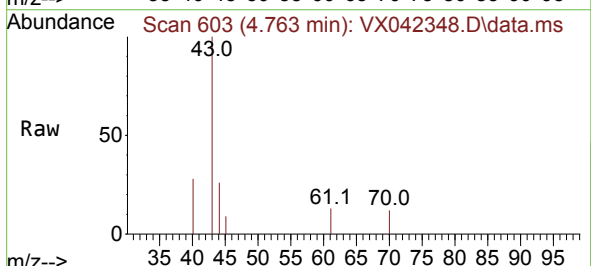
Instrument :
MSVOA_X
ClientSampleId :



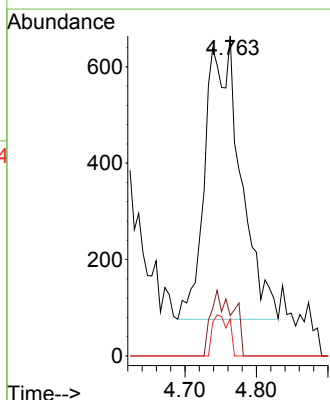
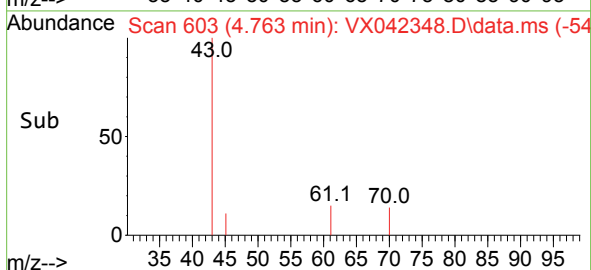
Tgt Ion: 75 Resp: 6181
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#

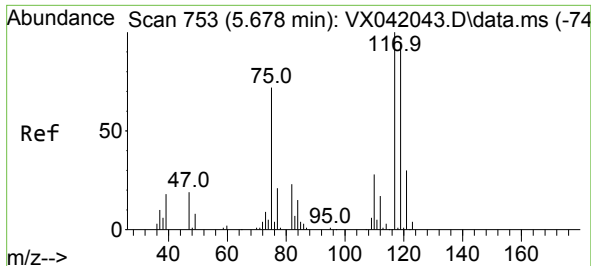


#37
Ethyl Acetate
Concen: 1.121 ug/l
RT: 4.763 min Scan# 603
Delta R.T. 0.037 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29



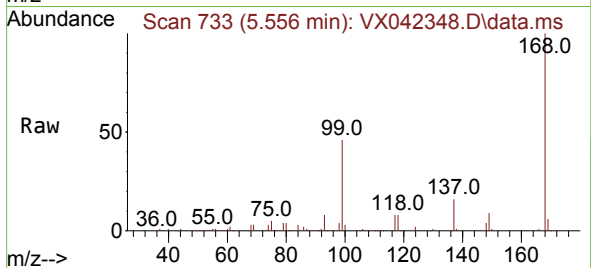
Tgt Ion: 43 Resp: 1992
Ion Ratio Lower Upper
43 100
61 14.9 10.6 16.0
70 6.8 8.3 12.5#



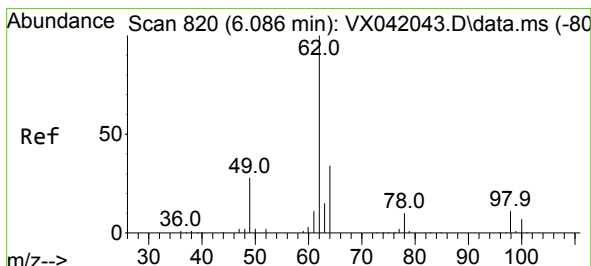
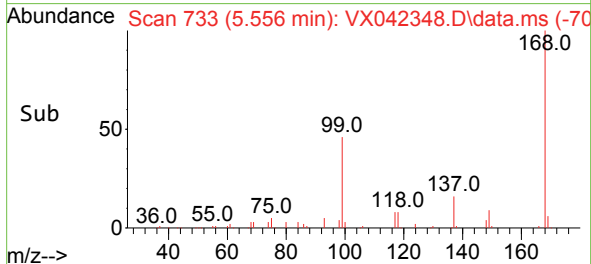
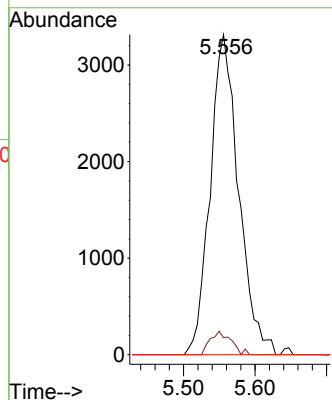


#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :

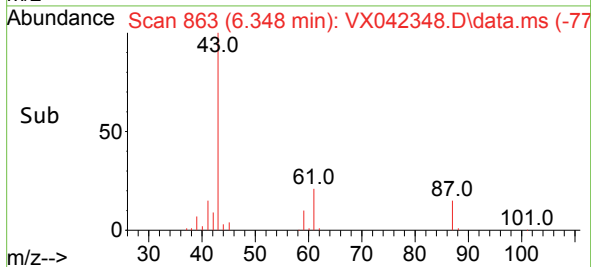
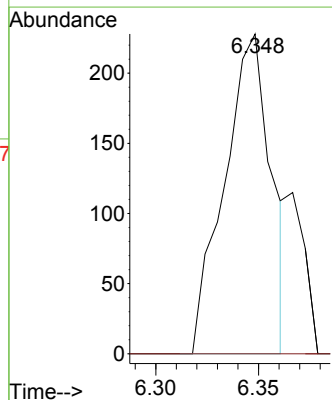
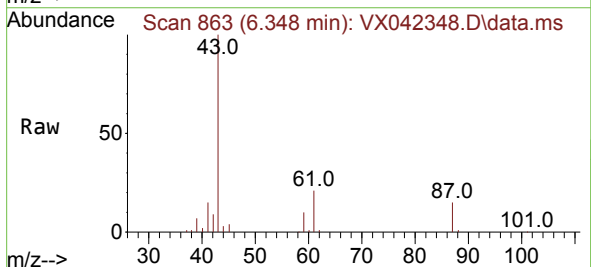


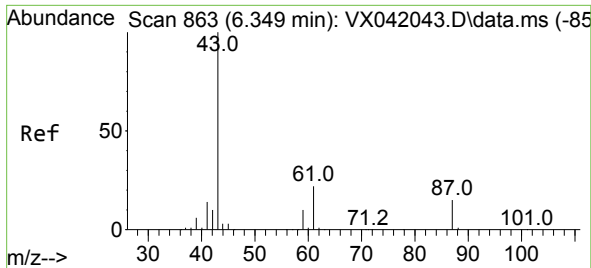
Tgt Ion:117 Resp: 9147
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.244 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.262 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

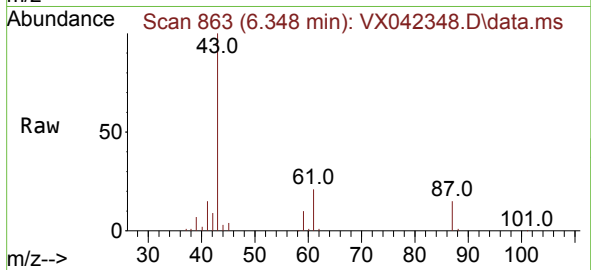
Tgt Ion: 62 Resp: 362
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0



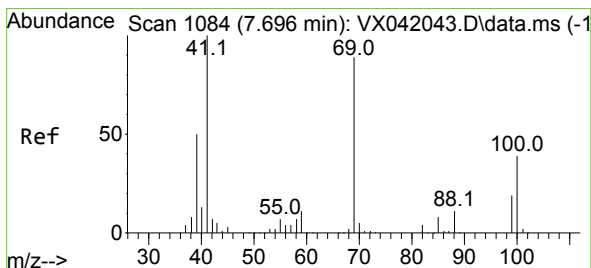
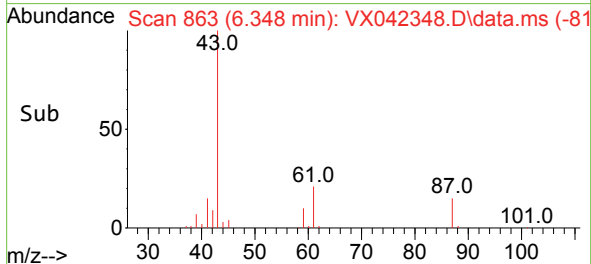
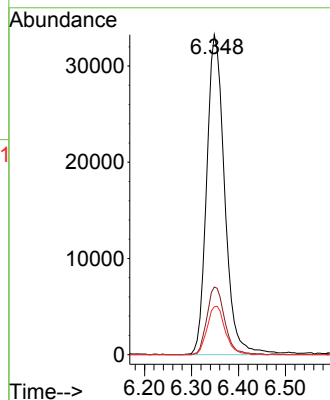


#43
Isopropyl Acetate
Concen: 32.303 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :

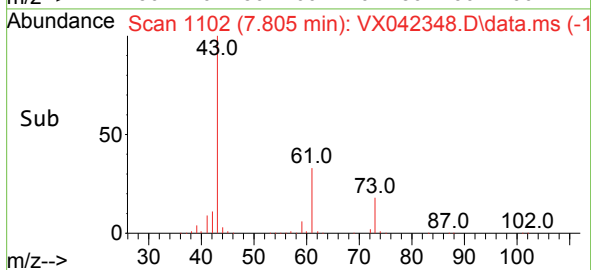
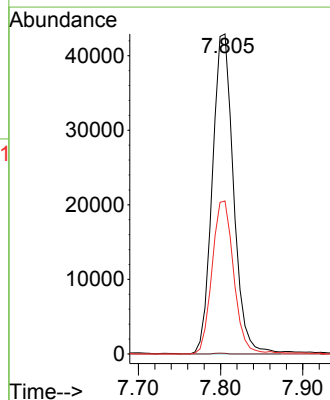
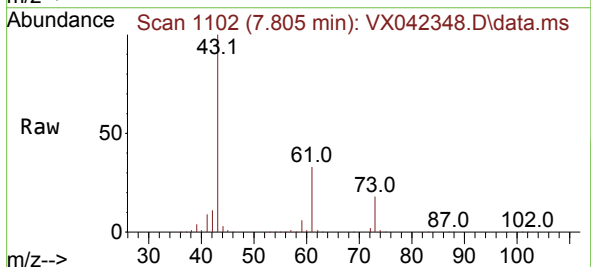


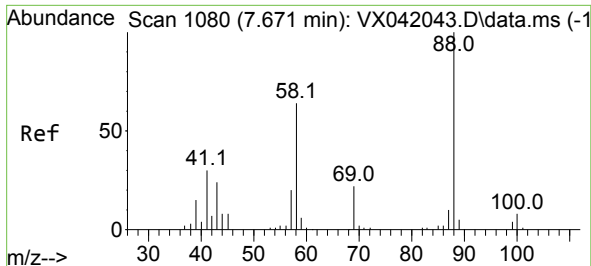
Tgt Ion: 43 Resp: 88142
Ion Ratio Lower Upper
43 100
61 21.0 15.2 22.8
87 15.1 9.8 14.6#



#48
Methyl methacrylate
Concen: 58.992 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Tgt Ion: 41 Resp: 76821
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 49.2 47.7 71.5

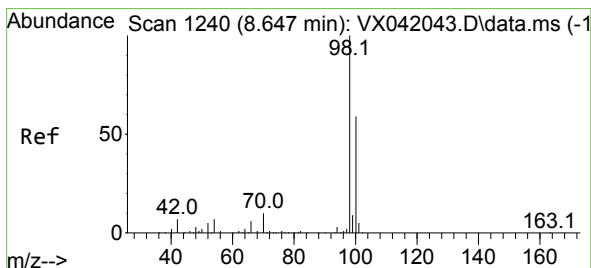
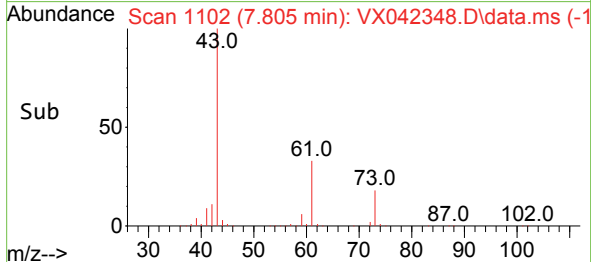
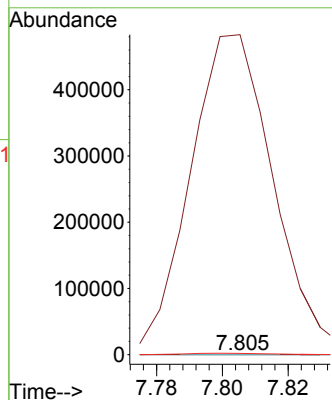
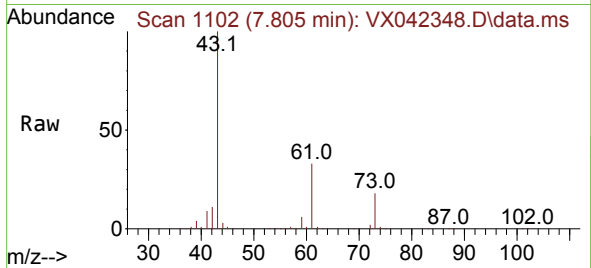




#49
1,4-Dioxane
Concen: 21.780 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

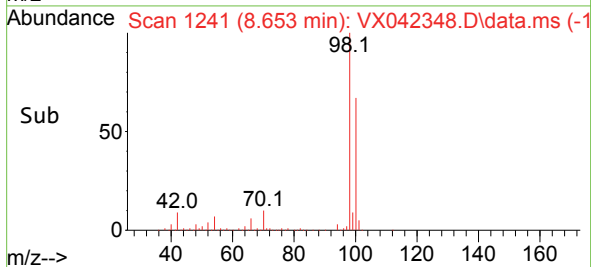
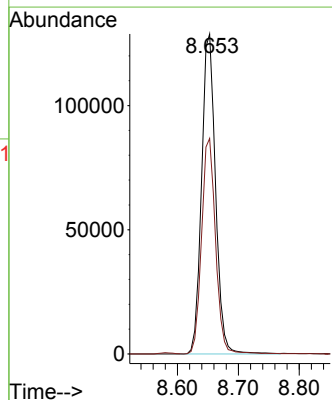
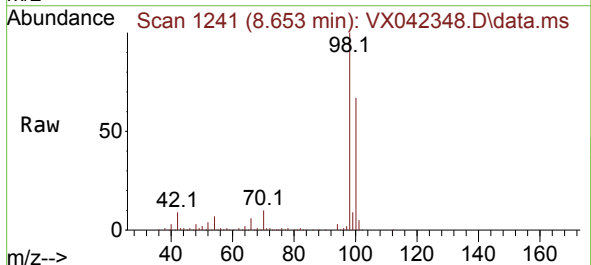
Instrument :
MSVOA_X
ClientSampleId :

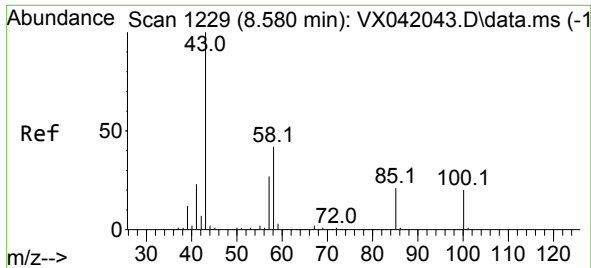
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 1336836.9 0.0 0.0#
58 6332.3 60.1 90.1#



#50
Toluene-d8
Concen: 45.441 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Tgt Ion: 98 Resp: 205149
Ion Ratio Lower Upper
98 100
100 67.7 53.1 79.7

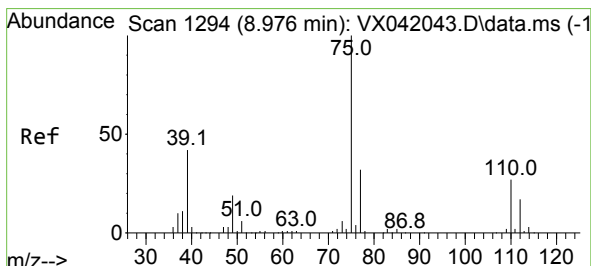
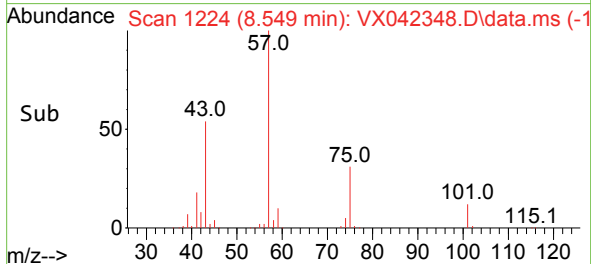
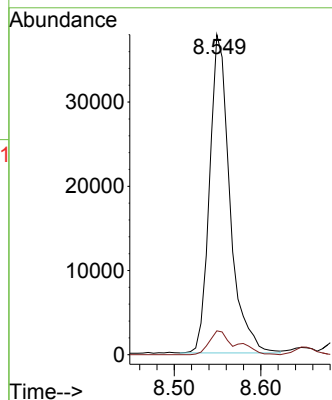
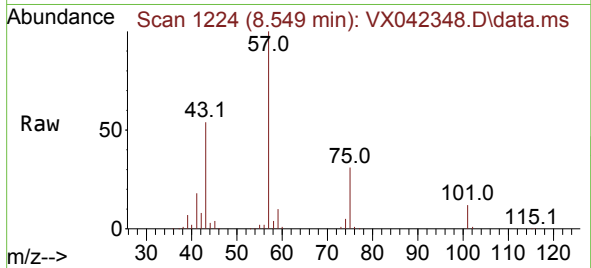




#51
4-Methyl-2-Pentanone
Concen: 32.717 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

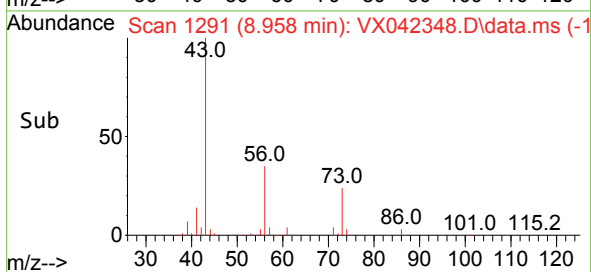
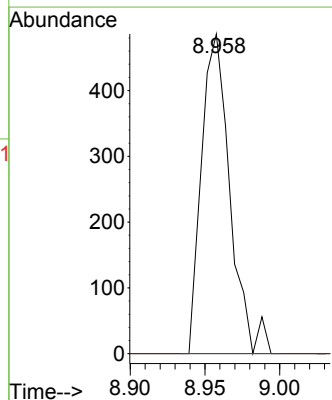
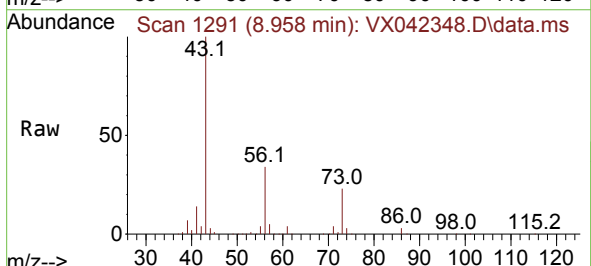
Instrument :
MSVOA_X
ClientSampleId :

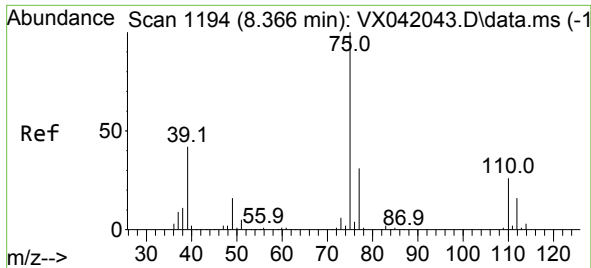
Tgt Ion: 43 Resp: 61494
Ion Ratio Lower Upper
43 100
58 9.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.296 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Tgt Ion: 75 Resp: 643
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

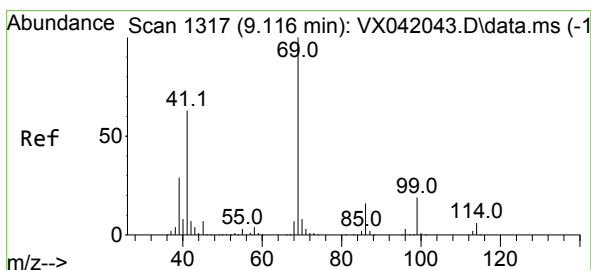
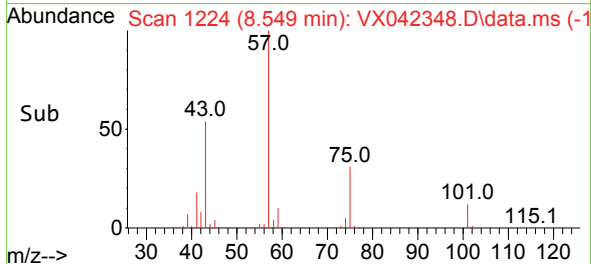
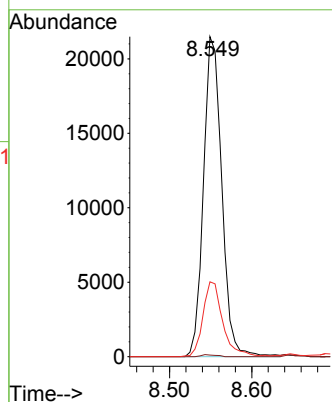
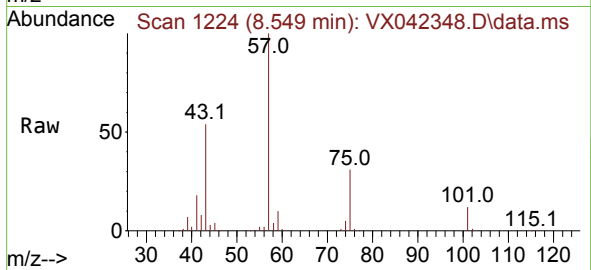




#54
 cis-1,3-Dichloropropene
 Concen: 20.065 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX042348.D
 Acq: 16 Jul 2024 17:29

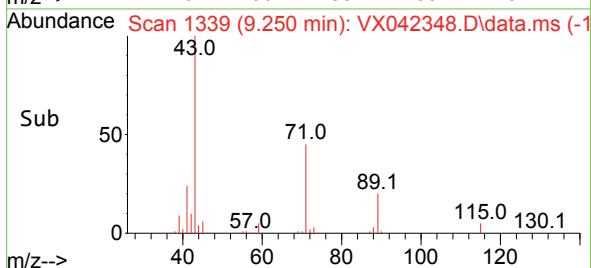
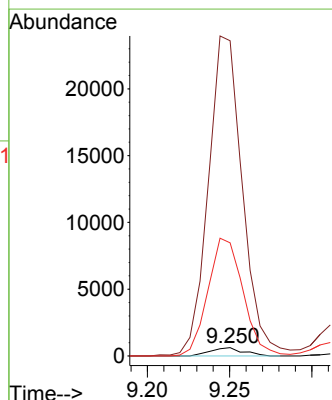
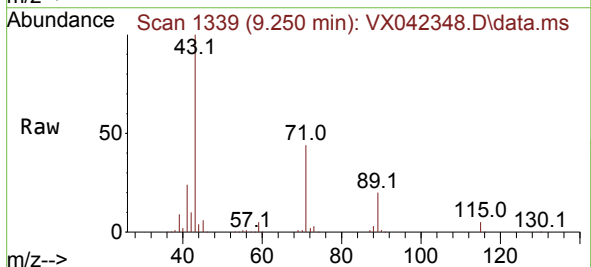
Instrument :
 MSVOA_X
 ClientSampleId :

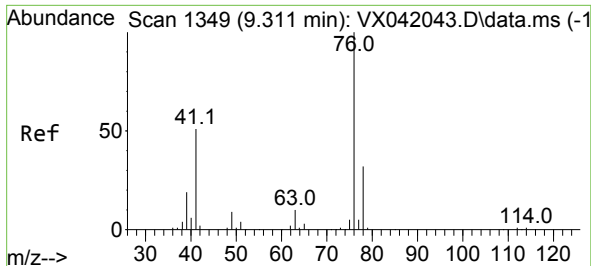
Tgt Ion: 75 Resp: 33256
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 23.4 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.459 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.128 min
 Lab File: VX042348.D
 Acq: 16 Jul 2024 17:29

Tgt Ion: 69 Resp: 872
 Ion Ratio Lower Upper
 69 100
 41 3975.5 56.8 85.2#
 39 1506.3 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 2.348 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042348.D

Acq: 16 Jul 2024 17:29

Instrument :

MSVOA_X

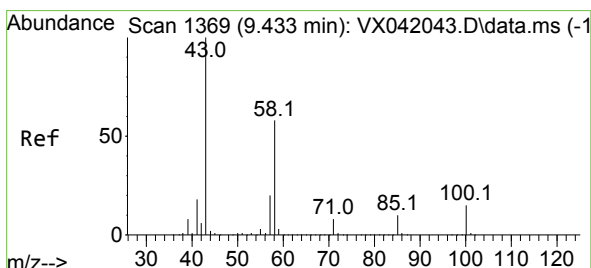
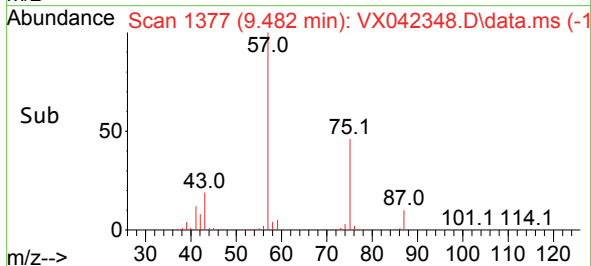
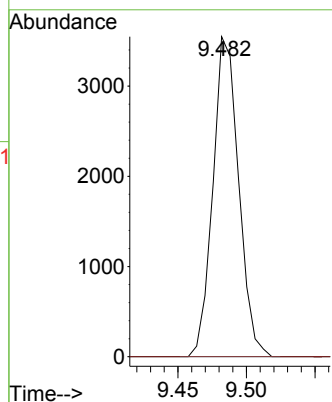
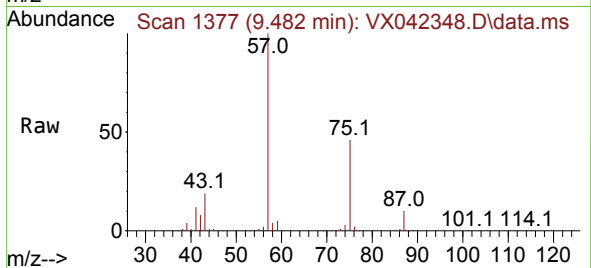
ClientSampleId :

Tgt Ion: 76 Resp: 4631

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 38.468 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042348.D

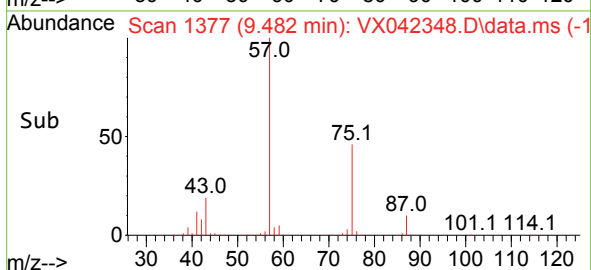
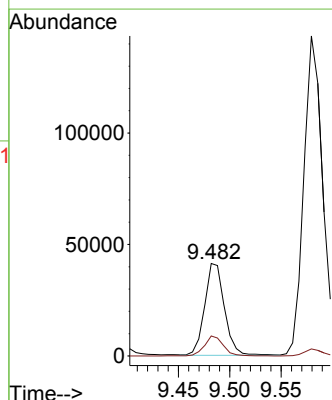
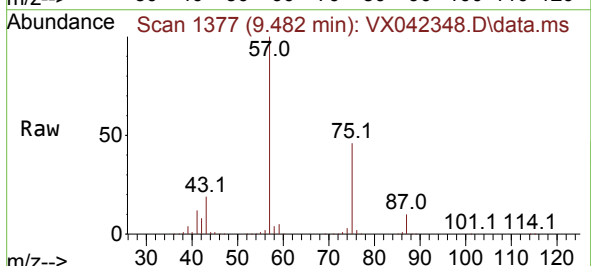
Acq: 16 Jul 2024 17:29

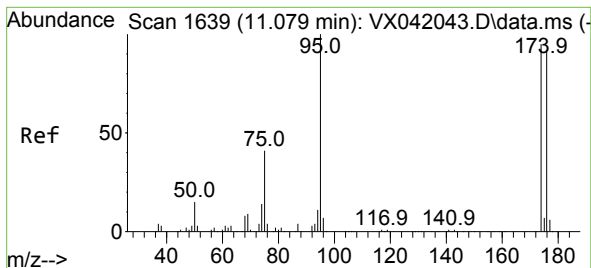
Tgt Ion: 43 Resp: 55379

Ion Ratio Lower Upper

43 100

58 21.1 26.2 78.5#

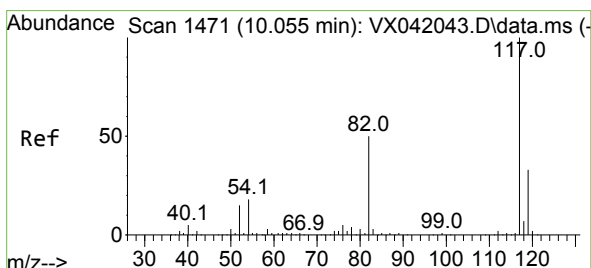
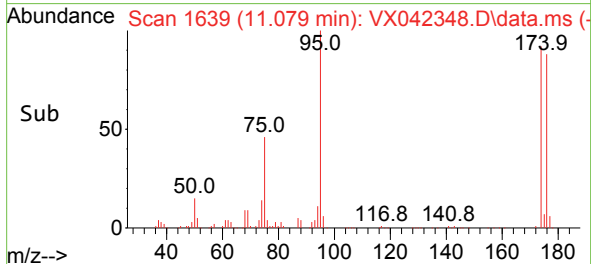
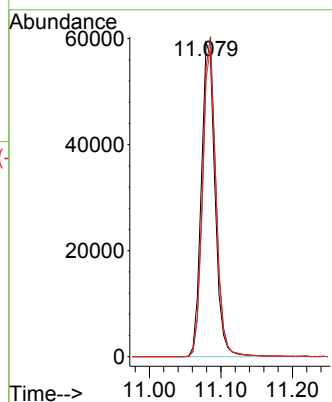
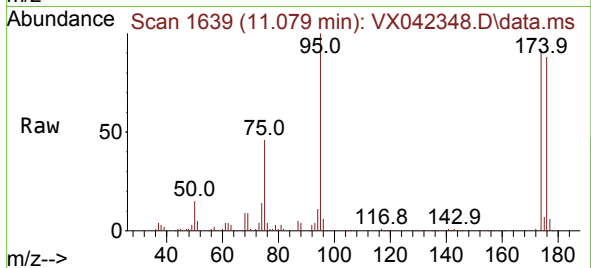




#62
4-Bromofluorobenzene
Concen: 47.584 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

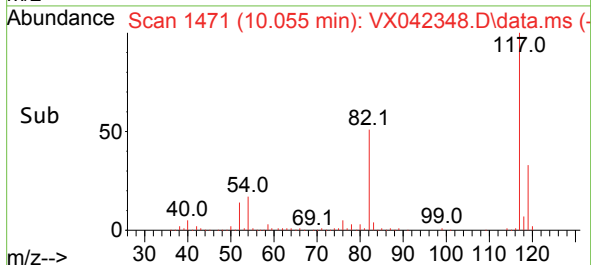
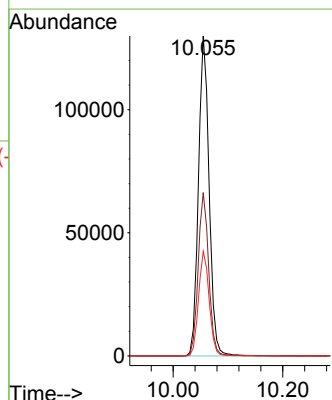
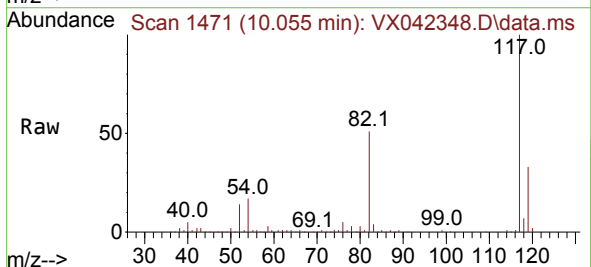
Instrument :
MSVOA_X
ClientSampleId :

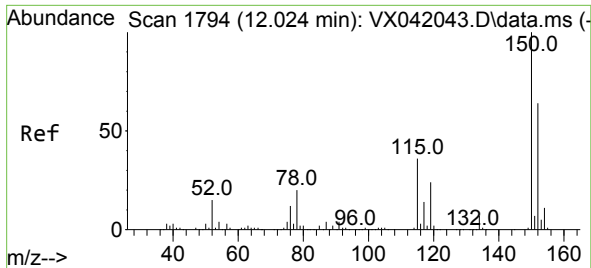
Tgt Ion: 95 Resp: 79190
Ion Ratio Lower Upper
95 100
174 99.7 0.0 135.6
176 96.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

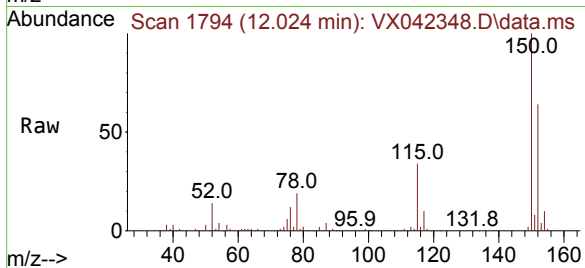
Tgt Ion: 117 Resp: 176405
Ion Ratio Lower Upper
117 100
82 51.0 46.2 69.4
119 32.7 25.5 38.3



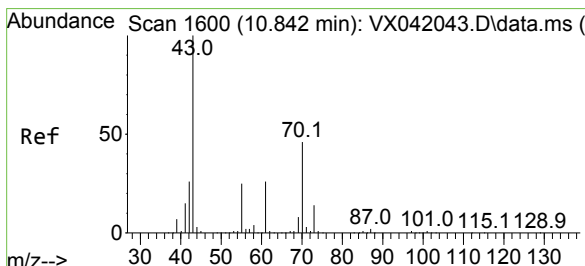
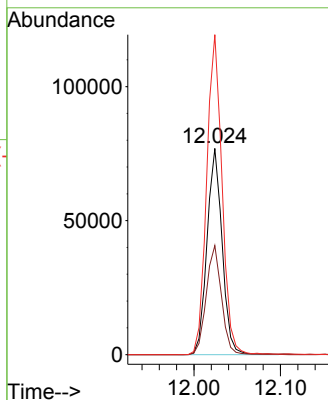
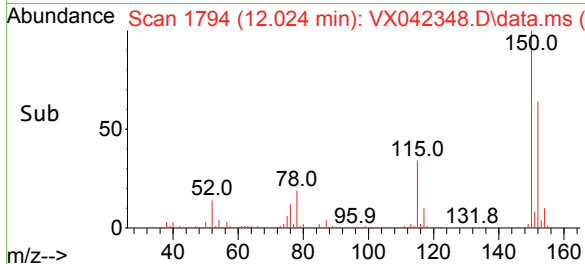


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX042348.D
 Acq: 16 Jul 2024 17:29

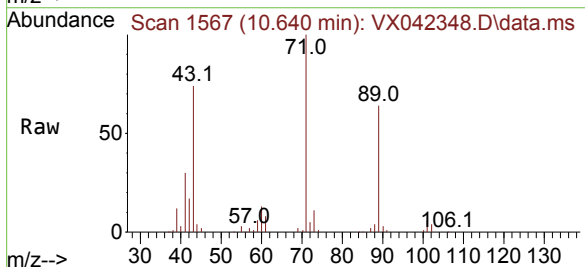
Instrument :
 MSVOA_X
 ClientSampleId :



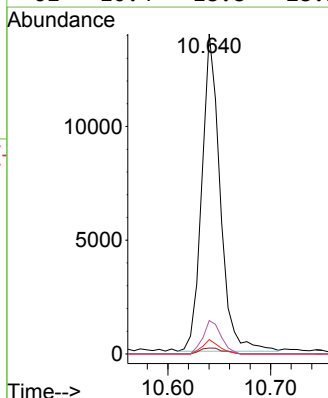
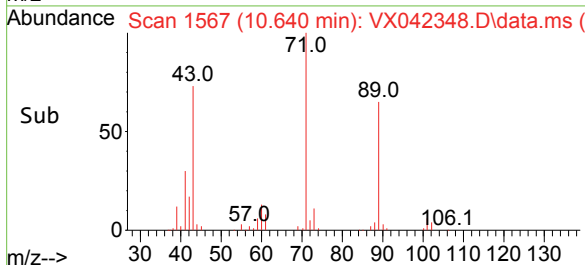
Tgt Ion:152 Resp: 93547
 Ion Ratio Lower Upper
 152 100
 115 53.3 43.3 129.9
 150 157.3 0.0 345.0

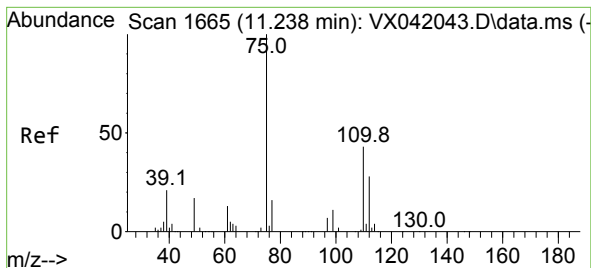


#74
 N-ethyl acetate
 Concen: 6.841 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX042348.D
 Acq: 16 Jul 2024 17:29



Tgt Ion: 43 Resp: 17284
 Ion Ratio Lower Upper
 43 100
 70 2.4 32.9 49.3#
 55 4.2 19.3 28.9#
 61 10.4 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 20.967 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042348.D

Acq: 16 Jul 2024 17:29

Instrument :

MSVOA_X

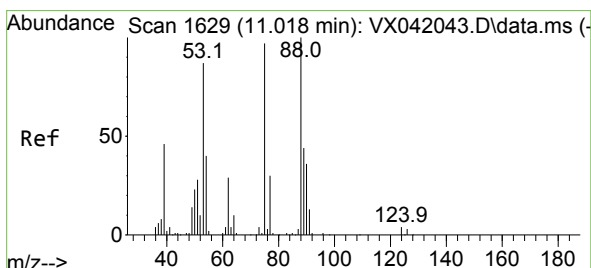
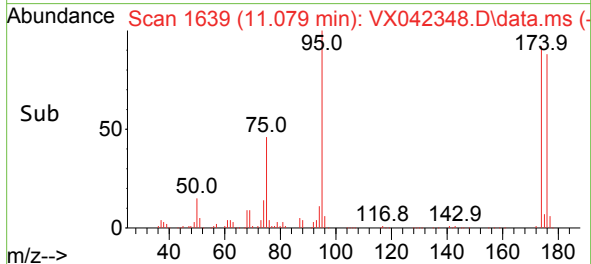
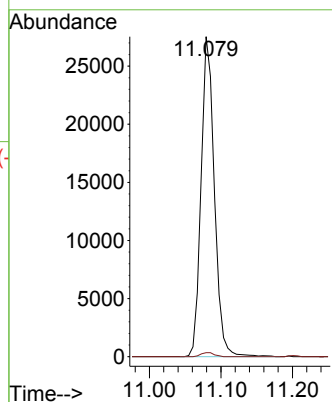
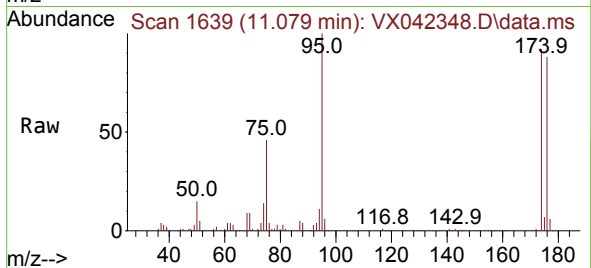
ClientSampleId :

Tgt Ion: 75 Resp: 35607

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.544 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042348.D

Acq: 16 Jul 2024 17:29

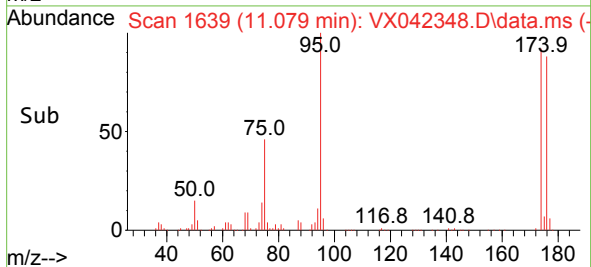
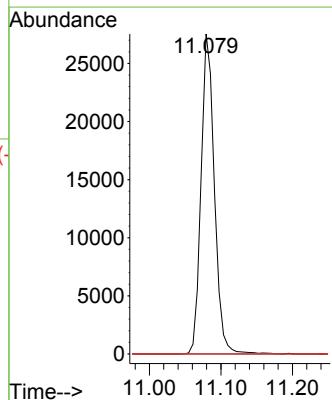
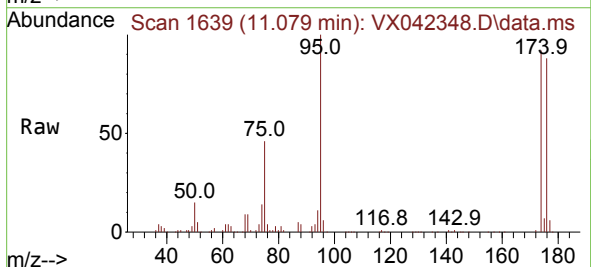
Tgt Ion: 75 Resp: 35607

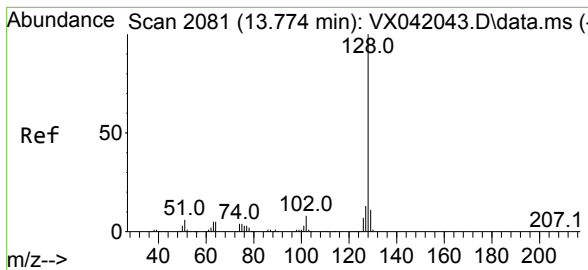
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

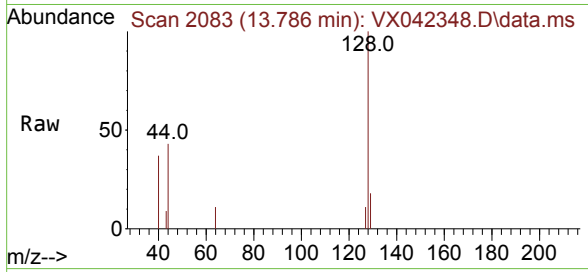
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.888 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042348.D
Acq: 16 Jul 2024 17:29

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	953
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	9.2	8.8	13.2

