

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071624\
 Data File : VX042349.D
 Acq On : 16 Jul 2024 17:53
 Operator : JC/MD
 Sample : PB162077ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

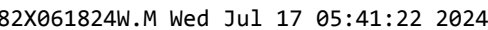
Quant Time: Jul 17 05:41:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

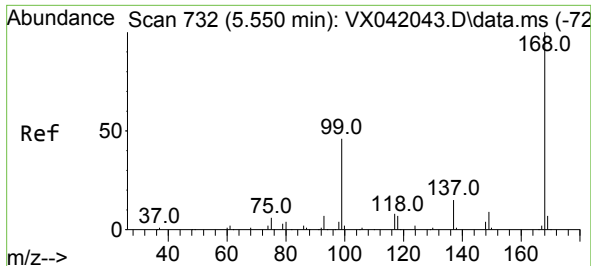
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	116268	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	6.769	114	183624	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	65966	49.202	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.400%		
35) Dibromofluoromethane	5.397	113	66094	50.728	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.460%		
50) Toluene-d8	8.652	98	209432	45.756	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.520%#		
62) 4-Bromofluorobenzene	11.085	95	79416	47.068	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.140%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	115	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	713	2.802	ug/l #	78
16) Acetone	2.385	43	16111	27.367	ug/l #	87
18) Methyl Acetate	2.715	43	1353	0.842	ug/l	93
20) Methylene Chloride	2.794	84	4868	3.776	ug/l #	85
25) 2-Butanone	4.604	43	1711	1.868	ug/l	98
29) Tetrahydrofuran	5.068	42	123	0.208	ug/l #	34
31) Cyclohexane	5.562	56	1546	0.986	ug/l #	1
36) 1,1-Dichloropropene	5.555	75	6447	4.660	ug/l #	50
37) Ethyl Acetate	4.751	43	3049	1.692	ug/l #	84
38) Carbon Tetrachloride	5.549	117	9336	6.107	ug/l #	14
43) Isopropyl Acetate	6.354	43	102587	37.082	ug/l #	92
48) Methyl methacrylate	7.805	41	88866	67.309	ug/l #	45
49) 1,4-Dioxane	7.805	88	149	24.112	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	74846	39.276	ug/l #	52
53) t-1,3-Dichloropropene	8.957	75	758	1.362	ug/l #	43
54) cis-1,3-Dichloropropene	8.555	75	40931	24.358	ug/l #	48
57) 1,3-Dichloropropane	9.482	76	5470	2.735	ug/l #	42
59) 2-Hexanone	9.482	43	64935	44.490	ug/l #	56
74) N-amyl acetate	10.817	43	706	0.276	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	35458	20.611	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	35458	58.534	ug/l #	5
95) Naphthalene	13.780	128	872	0.874	ug/l #	89

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

Quant Time: Jul 17 05:41:09 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

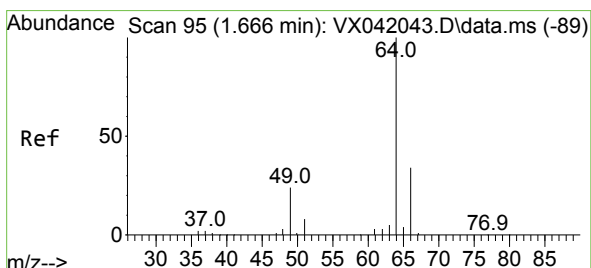
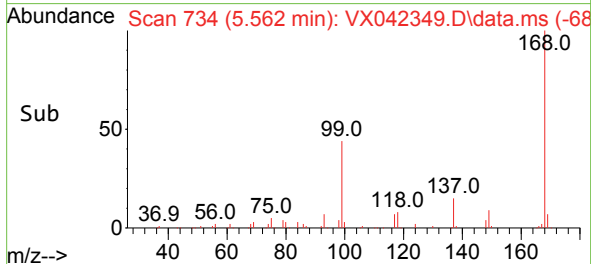
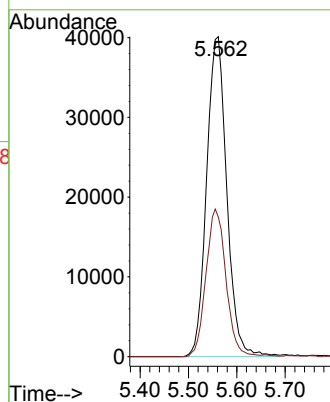
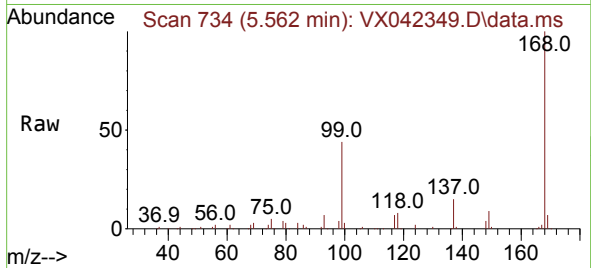




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

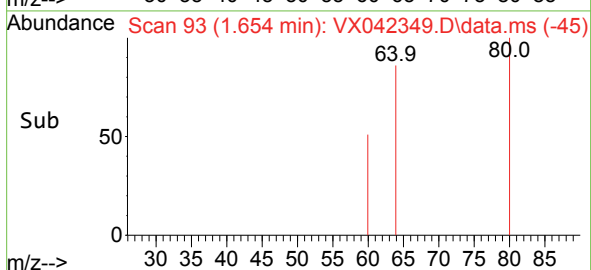
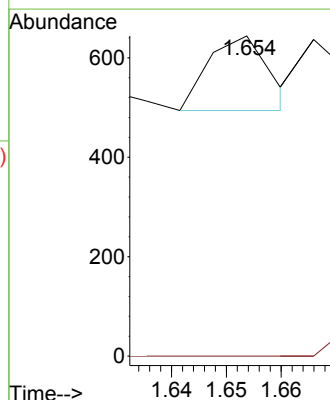
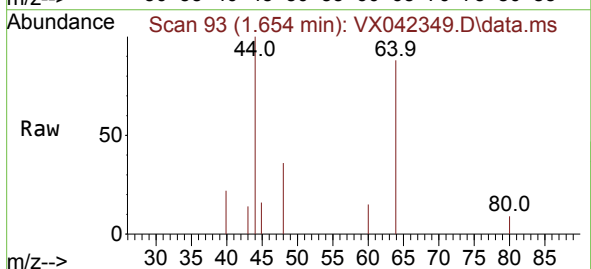
Instrument :
MSVOA_X
ClientSampleId :

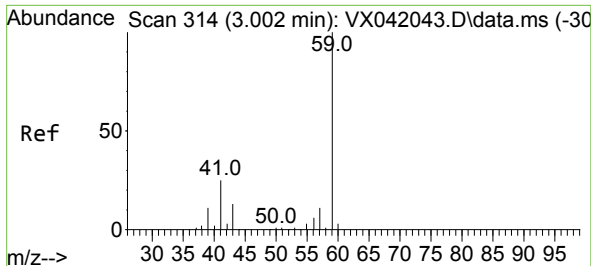
Tgt Ion:168 Resp: 116268
Ion Ratio Lower Upper
168 100
99 43.6 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

Tgt Ion: 64 Resp: 115
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.802 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.061 min

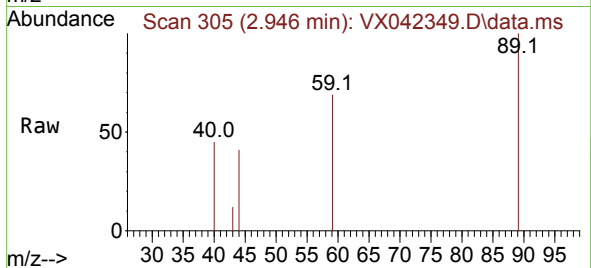
Lab File: VX042349.D

Acq: 16 Jul 2024 17:53

Instrument :

MSVOA_X

ClientSampleId :

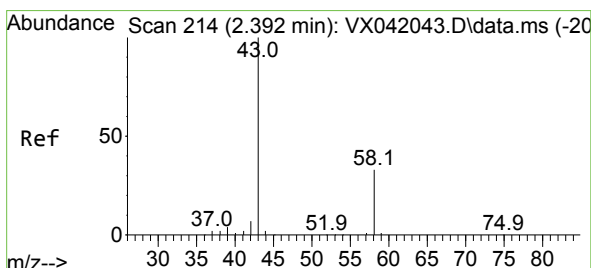
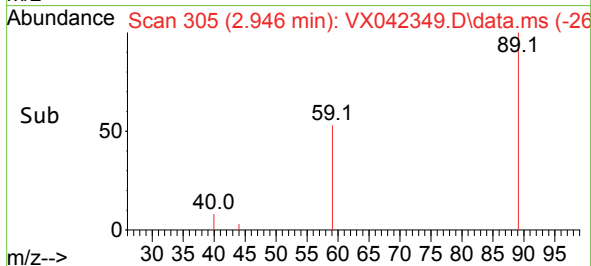
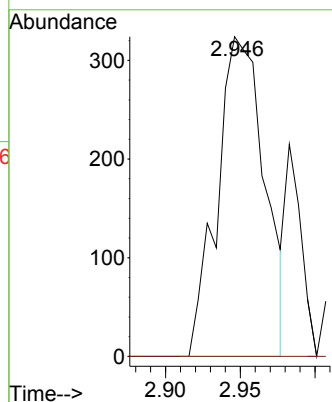


Tgt Ion: 59 Resp: 713

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 27.367 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.013 min

Lab File: VX042349.D

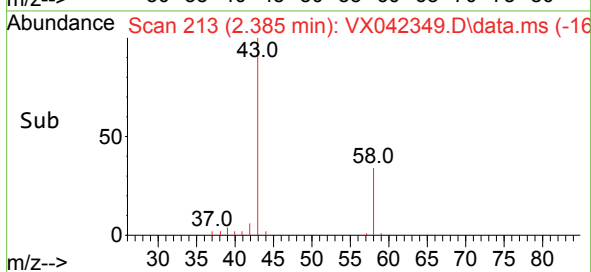
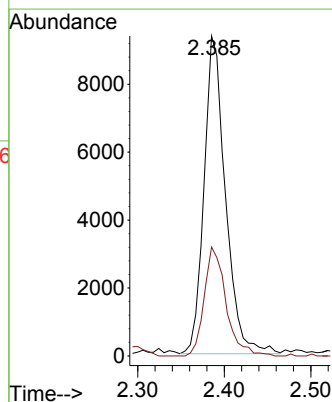
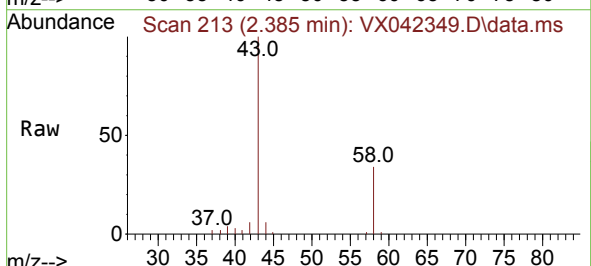
Acq: 16 Jul 2024 17:53

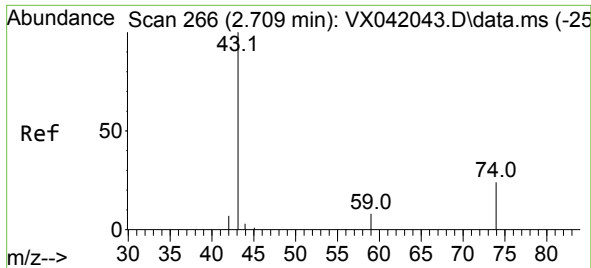
Tgt Ion: 43 Resp: 16111

Ion Ratio Lower Upper

43 100

58 34.3 21.9 32.9#





#18

Methyl Acetate

Concen: 0.842 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX042349.D

Acq: 16 Jul 2024 17:53

Instrument :

MSVOA_X

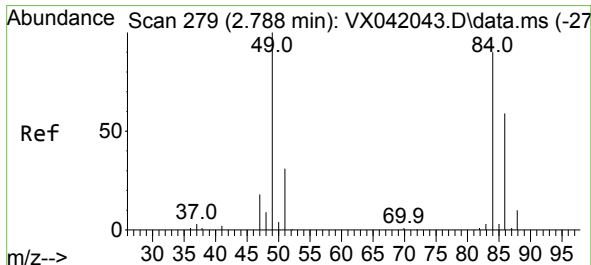
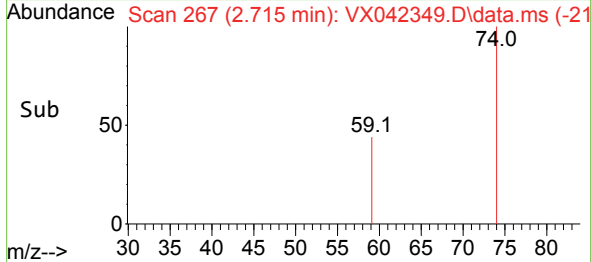
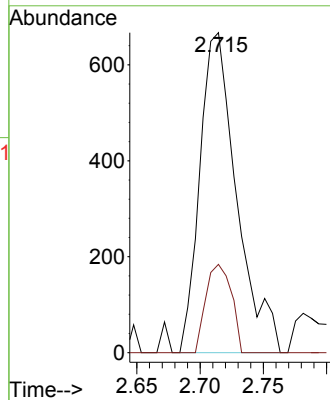
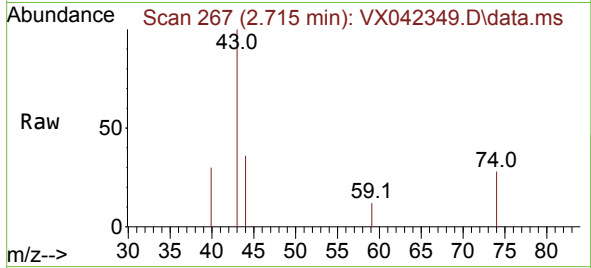
ClientSampleId :

Tgt Ion: 43 Resp: 1353

Ion Ratio Lower Upper

43 100

74 19.1 17.8 26.8



#20

Methylene Chloride

Concen: 3.776 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.012 min

Lab File: VX042349.D

Acq: 16 Jul 2024 17:53

Tgt Ion: 84 Resp: 4868

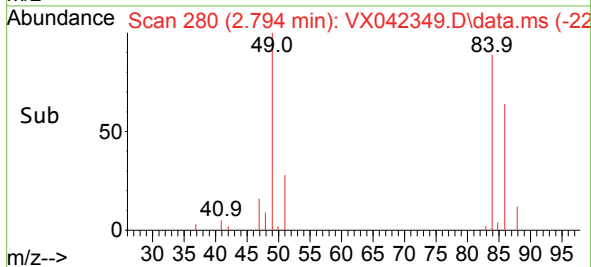
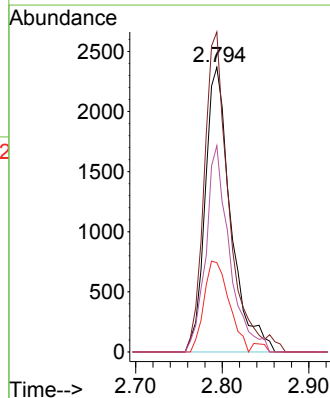
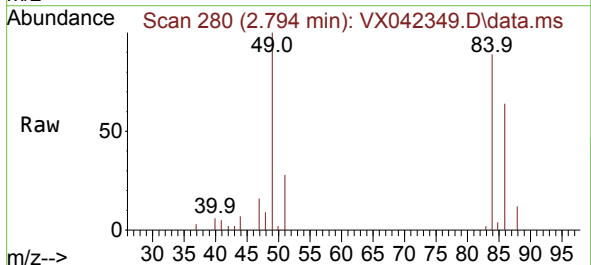
Ion Ratio Lower Upper

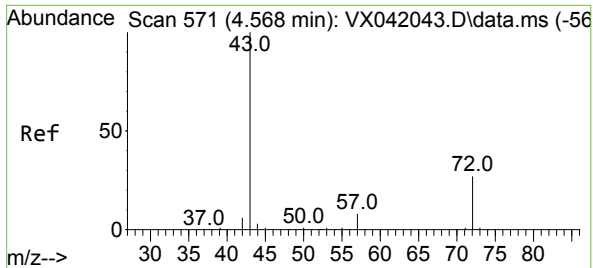
84 100

49 112.4 103.6 155.4

51 31.4 33.8 50.6#

86 72.5 49.4 74.0

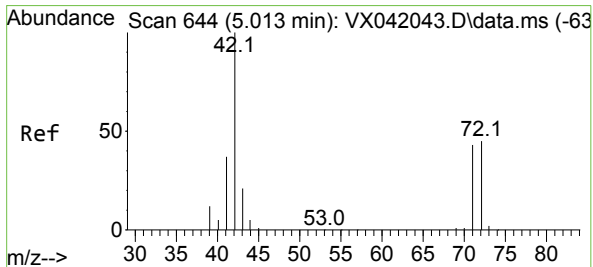
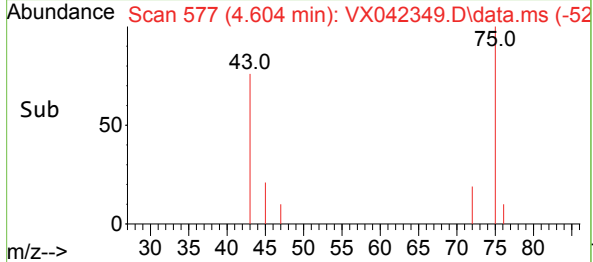
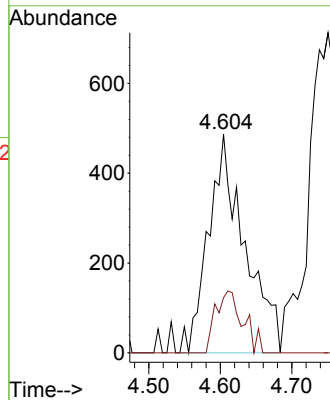
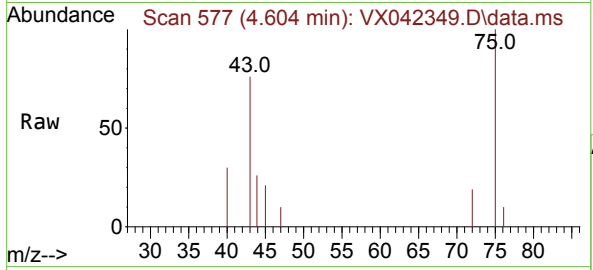




#25
2-Butanone
Concen: 1.868 ug/l
RT: 4.604 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

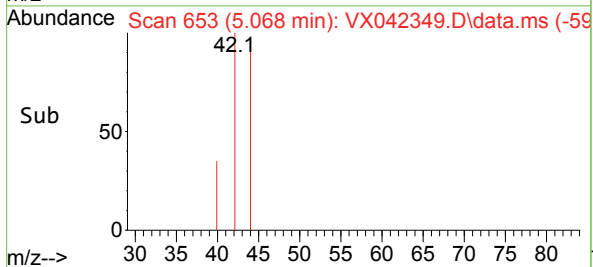
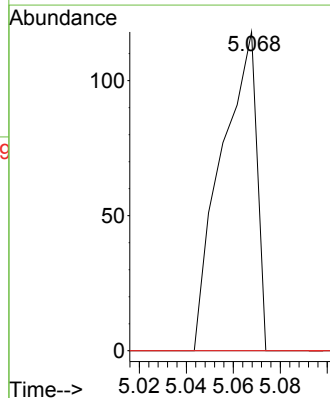
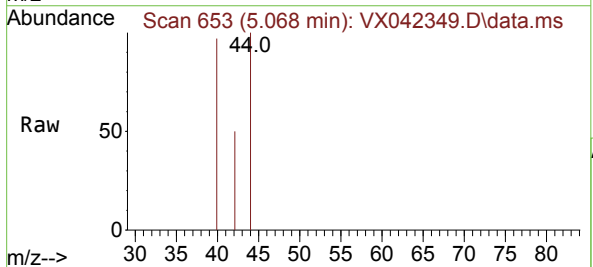
Instrument :
MSVOA_X
ClientSampleId :

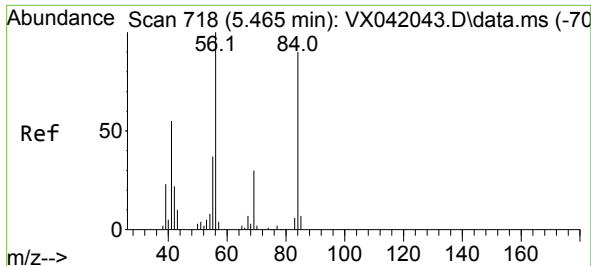
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
72 25.3 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.208 ug/l
RT: 5.068 min Scan# 653
Delta R.T. 0.048 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

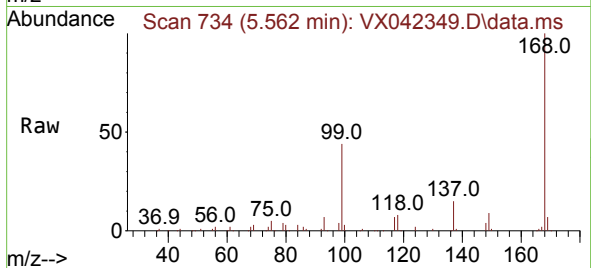
Tgt Ion: 42 Resp: 123
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



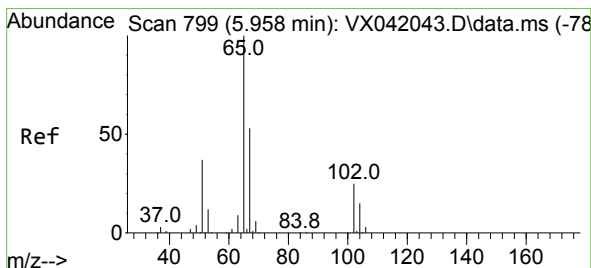
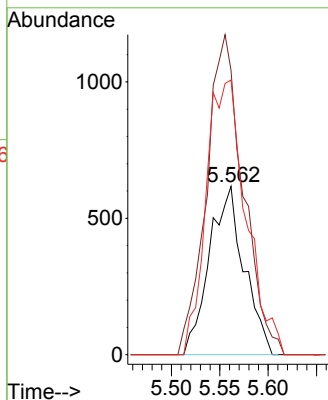
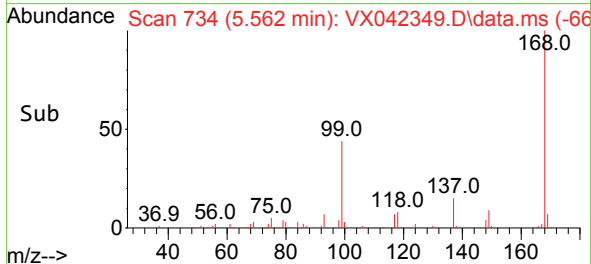


#31
Cyclohexane
Concen: 0.986 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.097 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

Instrument :
MSVOA_X
ClientSampleId :

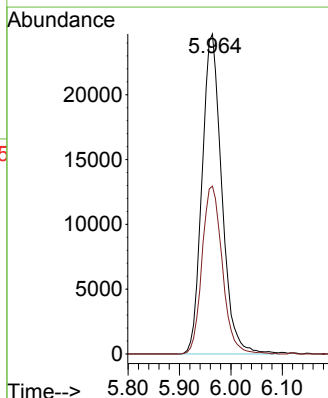
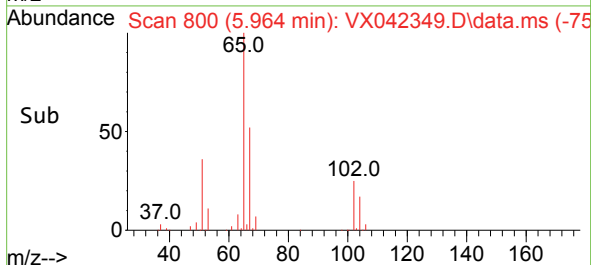
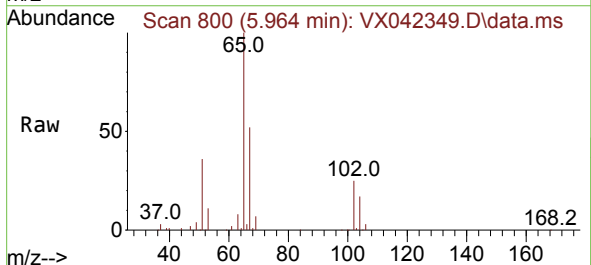


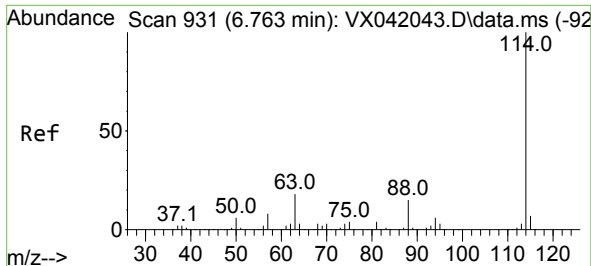
Tgt Ion: 56 Resp: 1546
Ion Ratio Lower Upper
56 100
69 169.0 23.4 35.2#
84 163.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.202 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

Tgt Ion: 65 Resp: 65966
Ion Ratio Lower Upper
65 100
67 53.8 0.0 100.2

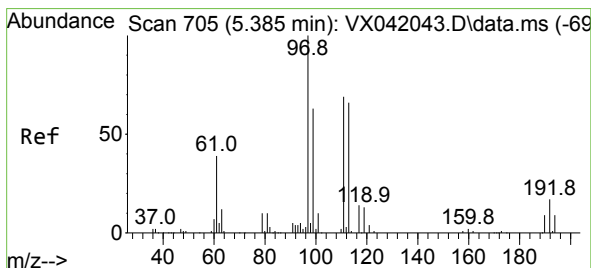
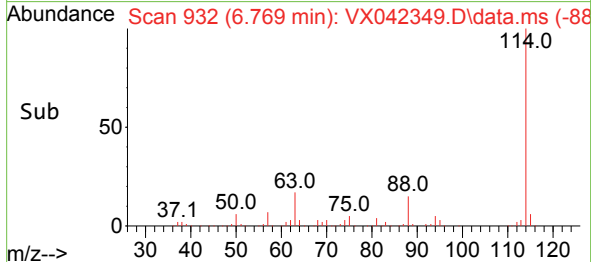
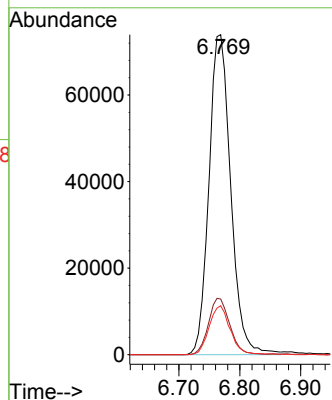
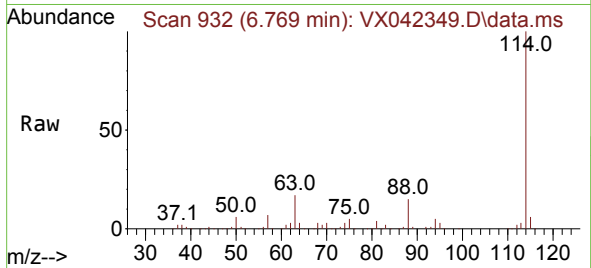




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

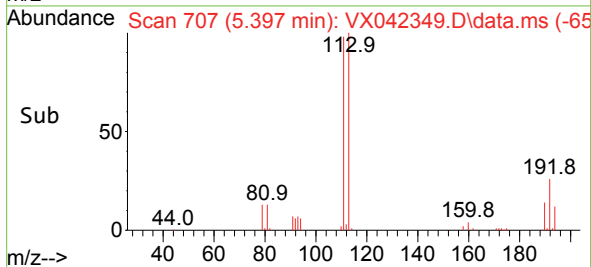
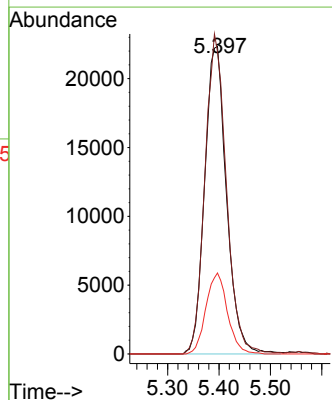
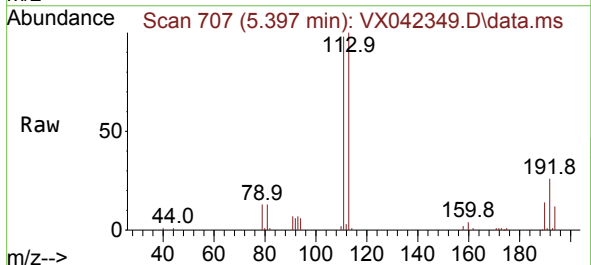
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MSVOA_X
ClientSampleId :

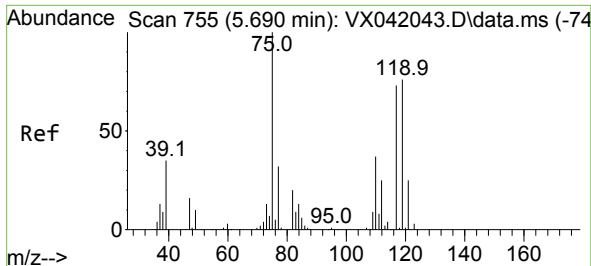
Tgt Ion:114 Resp: 183624
Ion Ratio Lower Upper
114 100
63 17.4 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.728 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

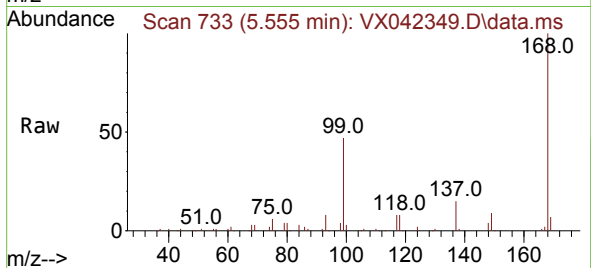
Tgt Ion:113 Resp: 66094
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 25.9 13.3 19.9#



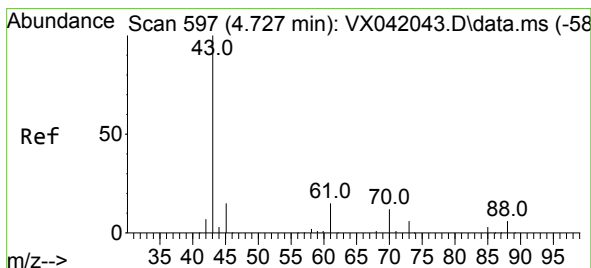
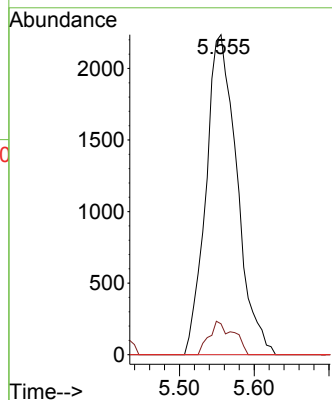
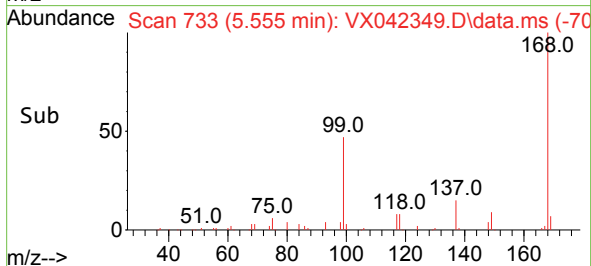


#36
1,1-Dichloropropene
Concen: 4.660 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

Instrument :
MSVOA_X
ClientSampleId :

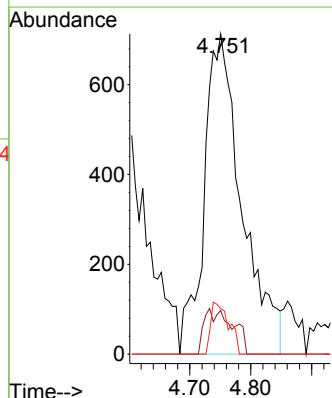
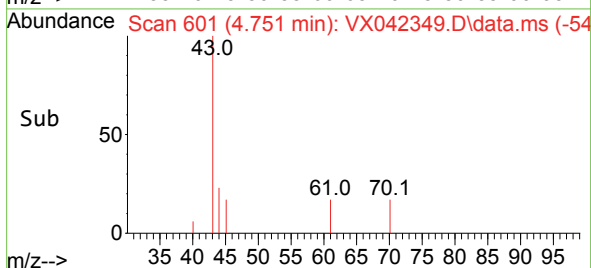
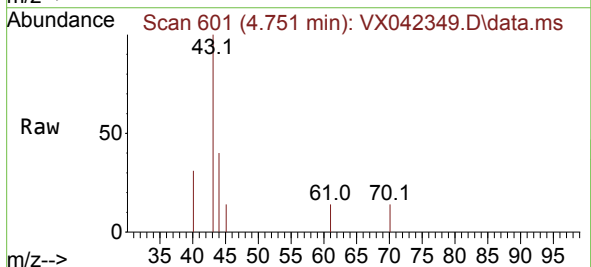


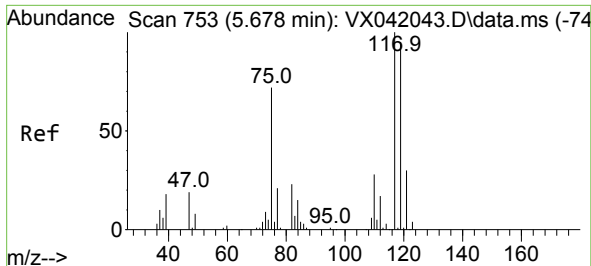
Tgt Ion: 75 Resp: 6447
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.692 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.024 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

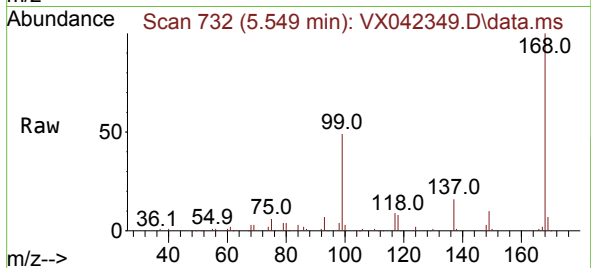
Tgt Ion: 43 Resp: 3049
Ion Ratio Lower Upper
43 100
61 3.8 10.6 16.0#
70 7.8 8.3 12.5#



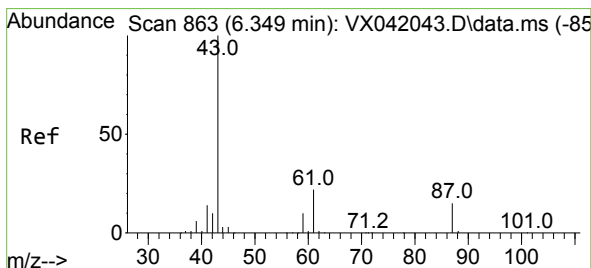
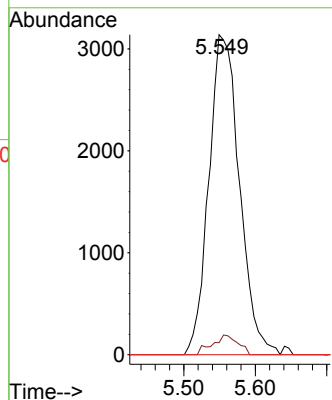
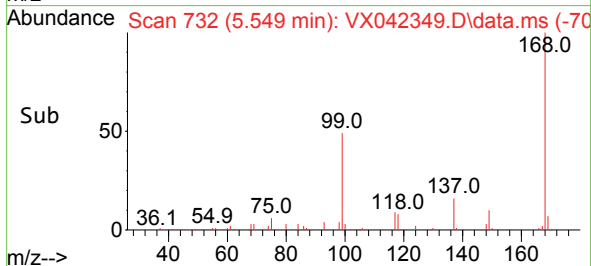


#38
Carbon Tetrachloride
Concen: 6.107 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

Instrument :
MSVOA_X
ClientSampleId :

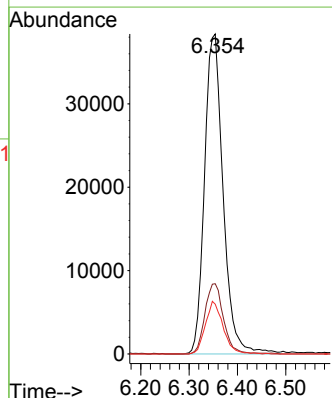
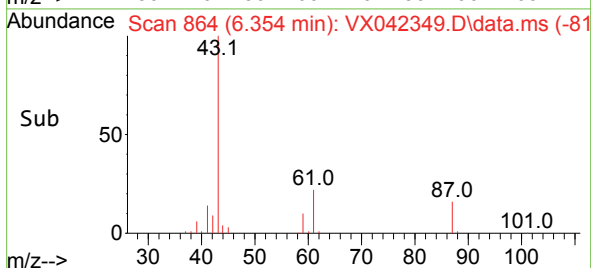
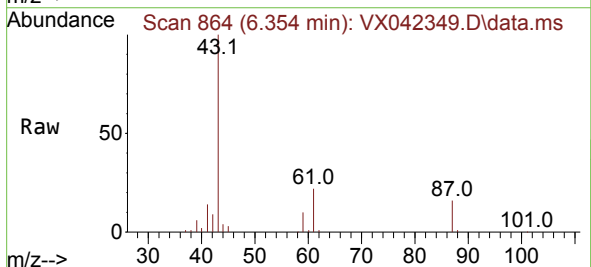


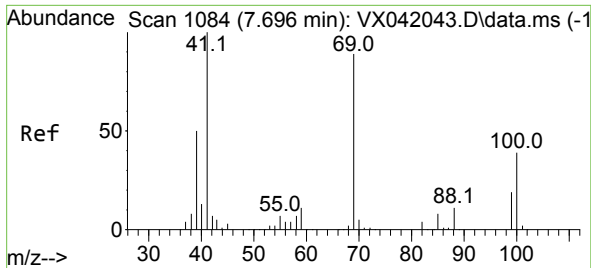
Tgt Ion:117 Resp: 9336
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 37.082 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

Tgt Ion: 43 Resp: 102587
Ion Ratio Lower Upper
43 100
61 22.1 15.2 22.8
87 15.6 9.8 14.6#

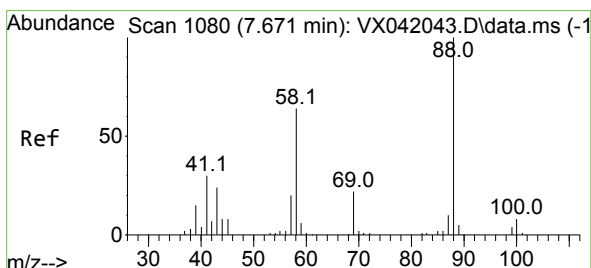
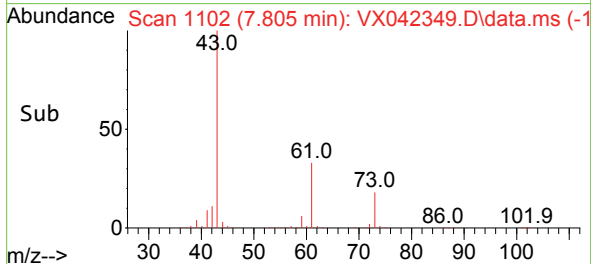
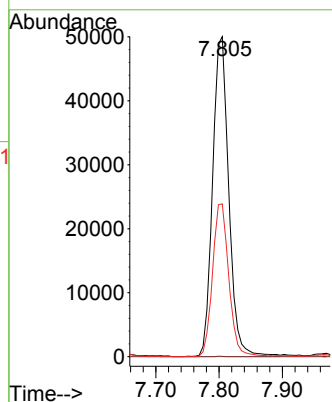
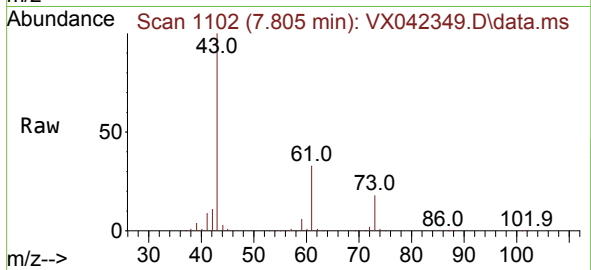




#48
Methyl methacrylate
Concen: 67.309 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.109 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

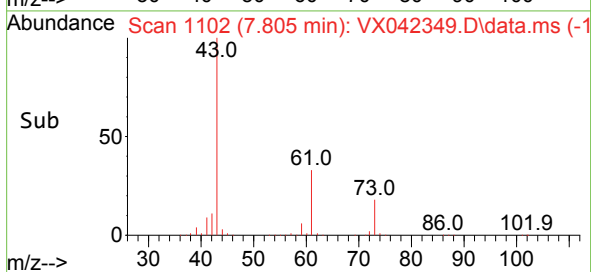
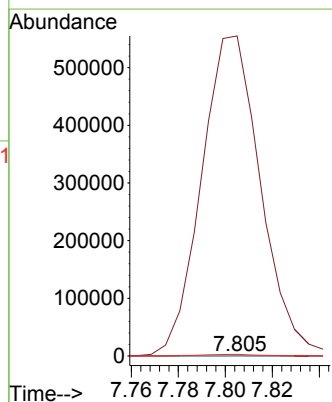
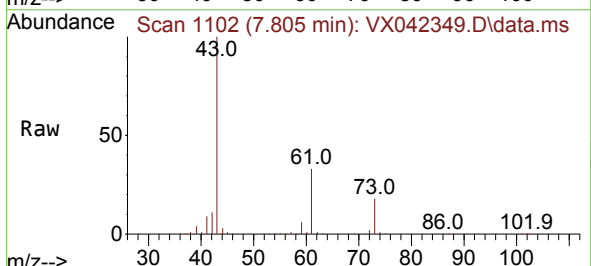
Instrument :
MSVOA_X
ClientSampleId :

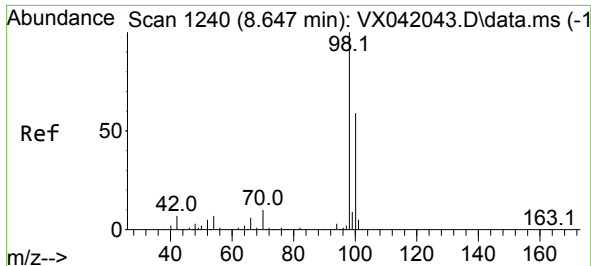
Tgt Ion: 41 Resp: 88866
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.2 47.7 71.5



#49
1,4-Dioxane
Concen: 24.112 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

Tgt Ion: 88 Resp: 149
Ion Ratio Lower Upper
88 100
43 663477.2 0.0 0.0#
58 3139.6 60.1 90.1#

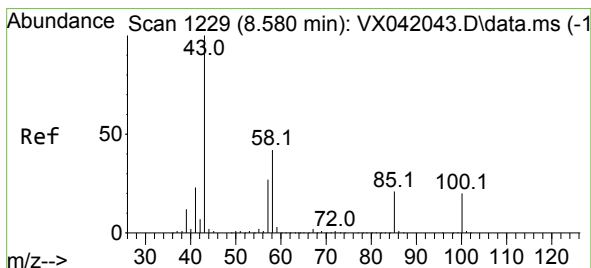
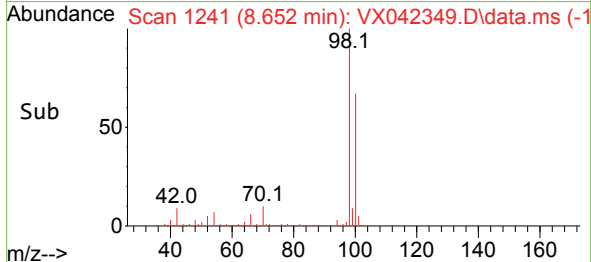
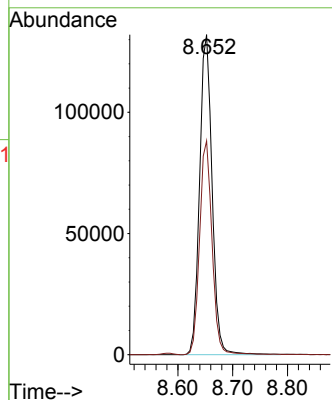
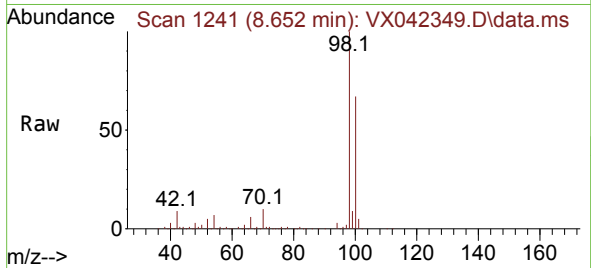




#50
Toluene-d8
Concen: 45.756 ug/l
RT: 8.652 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

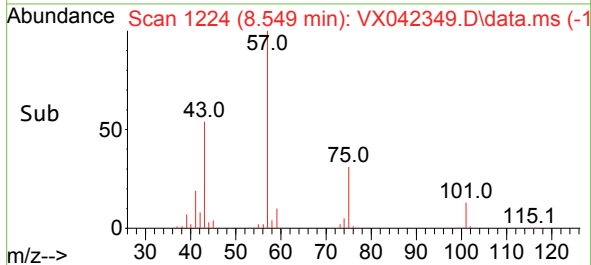
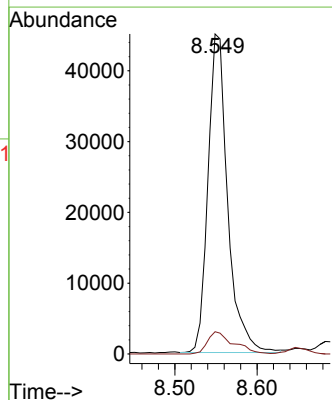
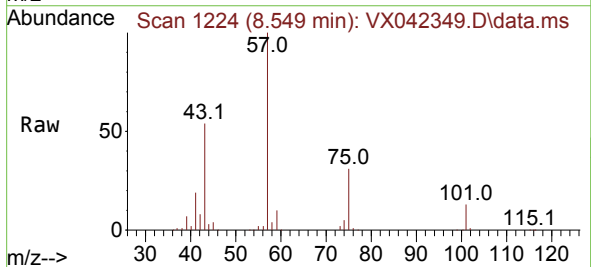
Instrument :
MSVOA_X
ClientSampleId :

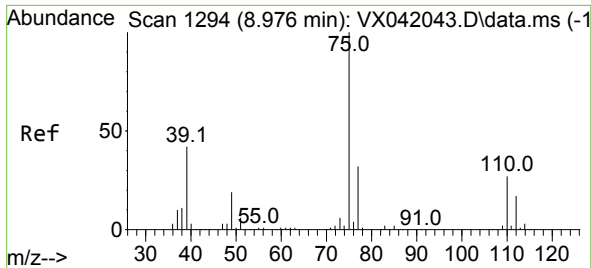
Tgt Ion: 98 Resp: 209432
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 39.276 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

Tgt Ion: 43 Resp: 74846
Ion Ratio Lower Upper
43 100
58 9.3 30.4 45.6#

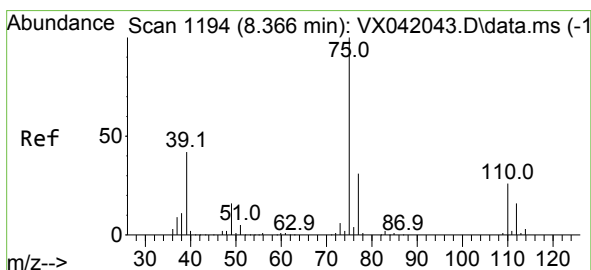
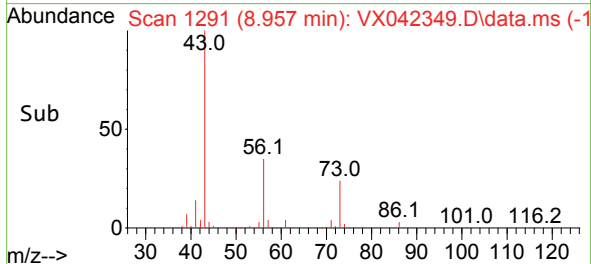
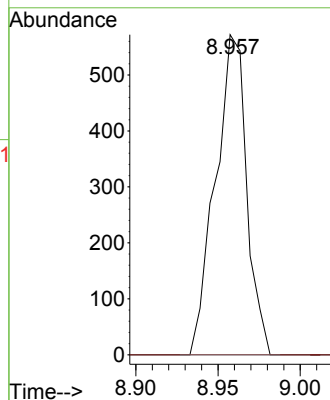
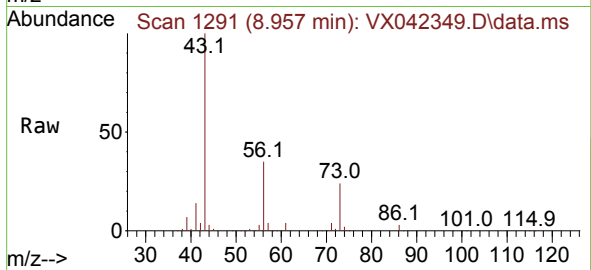




#53
 t-1,3-Dichloropropene
 Concen: 1.362 ug/l
 RT: 8.957 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX042349.D
 Acq: 16 Jul 2024 17:53

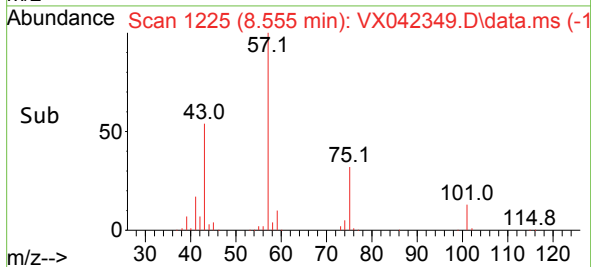
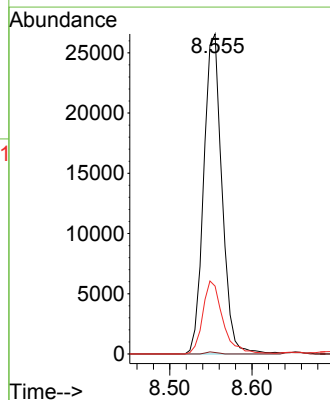
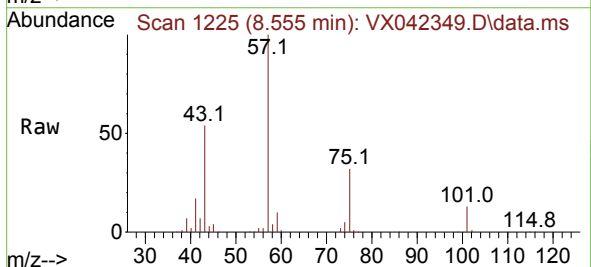
Instrument :
 MSVOA_X
 ClientSampleId :

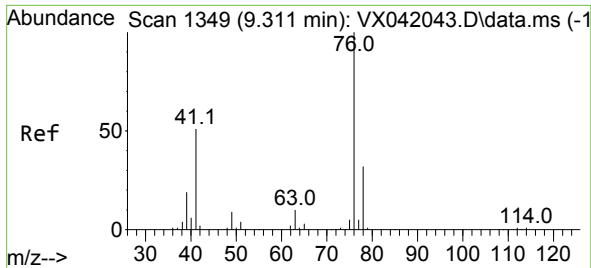
Tgt Ion: 75 Resp: 758
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 24.358 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.189 min
 Lab File: VX042349.D
 Acq: 16 Jul 2024 17:53

Tgt Ion: 75 Resp: 40931
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 21.2 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.735 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.170 min

Lab File: VX042349.D

Acq: 16 Jul 2024 17:53

Instrument :

MSVOA_X

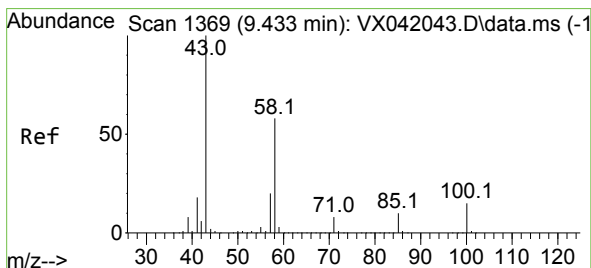
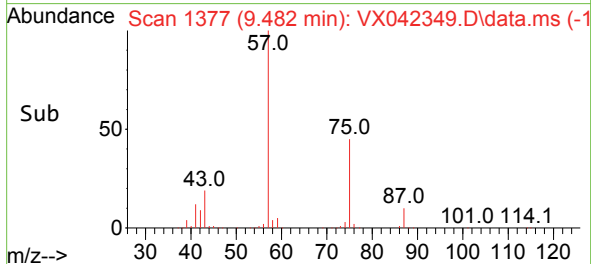
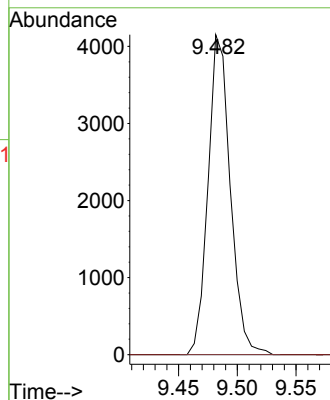
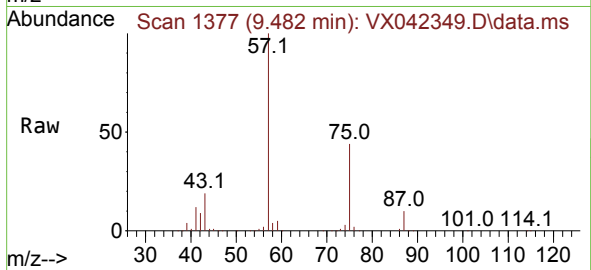
ClientSampleId :

Tgt Ion: 76 Resp: 5470

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.490 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.048 min

Lab File: VX042349.D

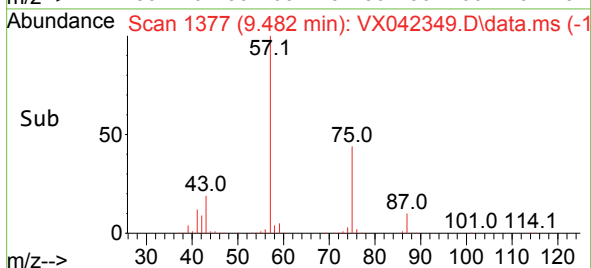
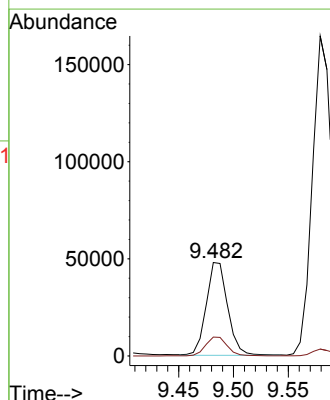
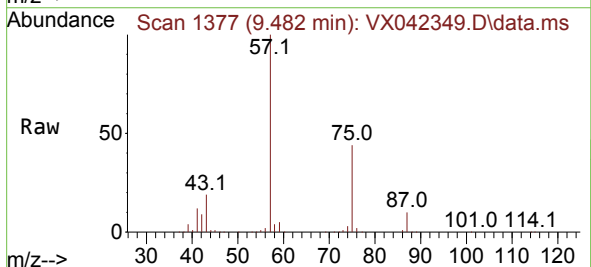
Acq: 16 Jul 2024 17:53

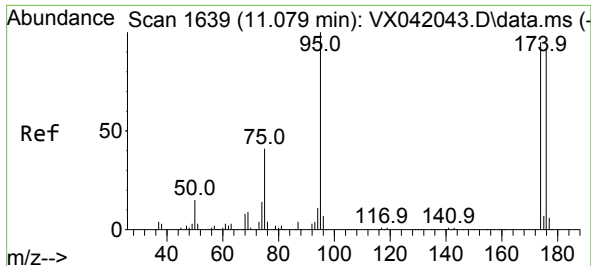
Tgt Ion: 43 Resp: 64935

Ion Ratio Lower Upper

43 100

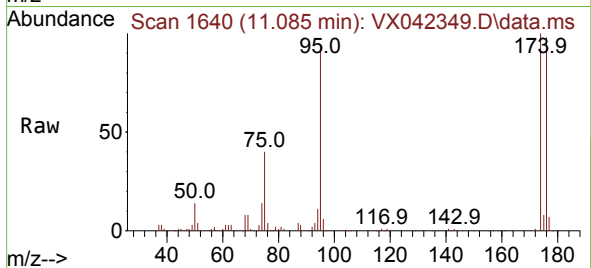
58 21.2 26.2 78.5#



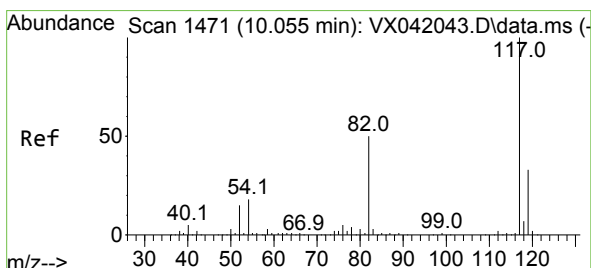
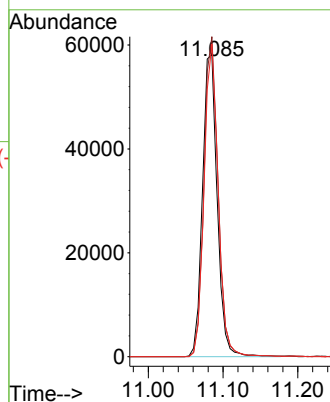
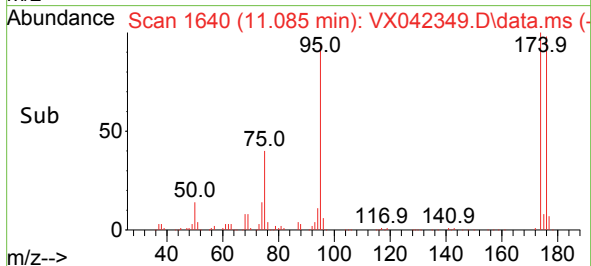


#62
4-Bromofluorobenzene
Concen: 47.068 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53

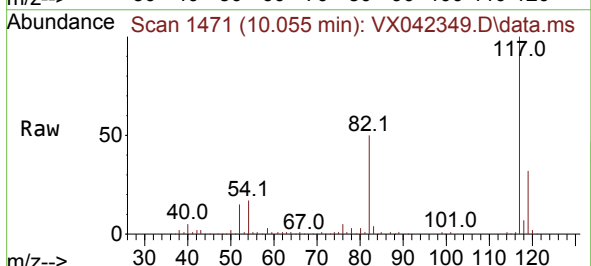
Instrument :
MSVOA_X
ClientSampleId :



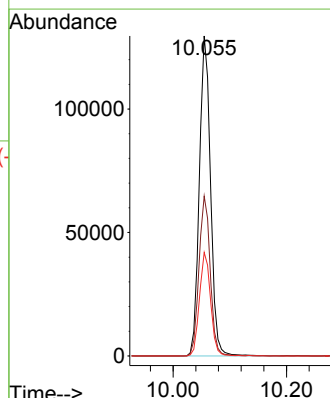
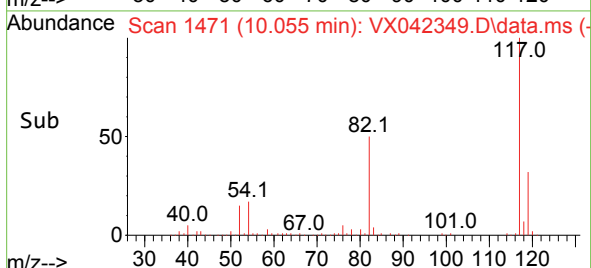
Tgt Ion: 95 Resp: 79416
Ion Ratio Lower Upper
95 100
174 102.1 0.0 135.6
176 99.2 0.0 131.0

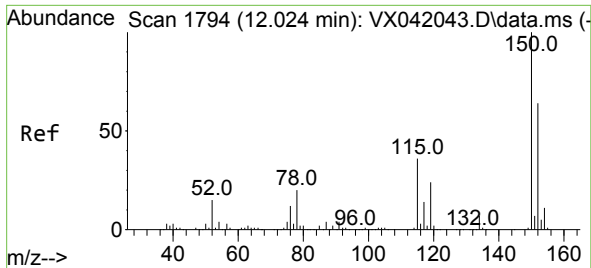


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042349.D
Acq: 16 Jul 2024 17:53



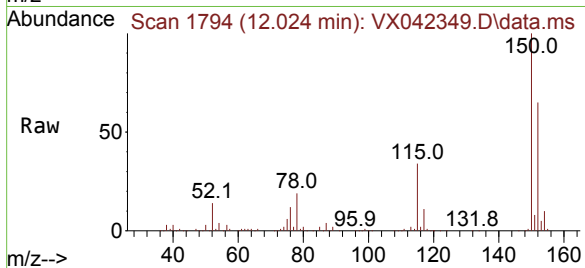
Tgt Ion: 117 Resp: 177462
Ion Ratio Lower Upper
117 100
82 50.0 46.2 69.4
119 32.4 25.5 38.3



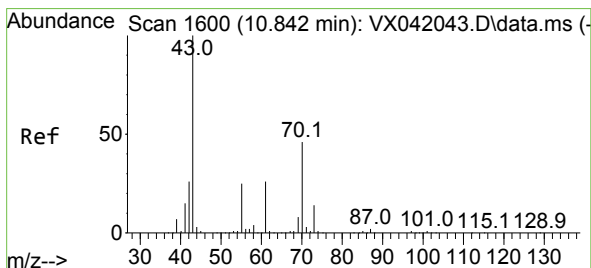
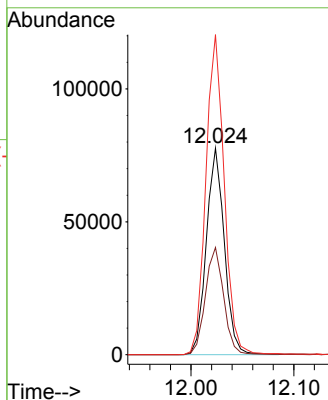
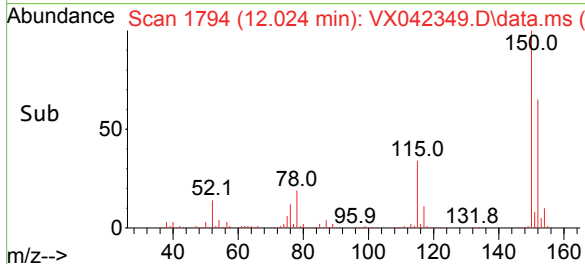


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX042349.D
 Acq: 16 Jul 2024 17:53

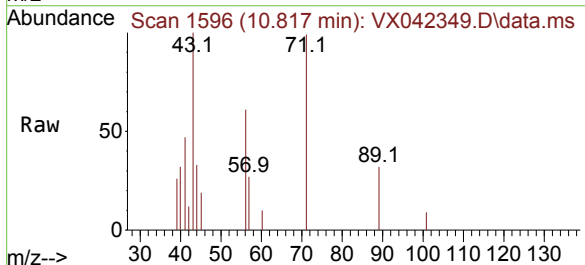
Instrument :
 MSVOA_X
 ClientSampleId :



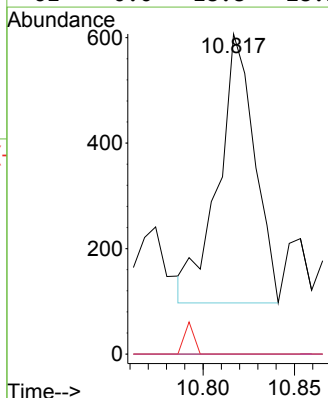
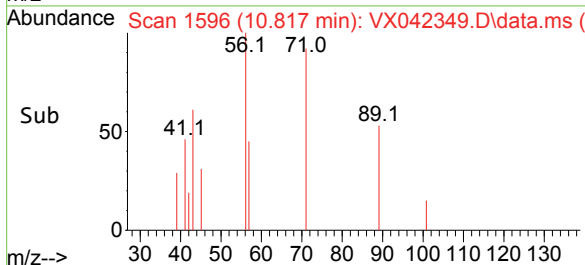
Tgt Ion:152 Resp: 94762
 Ion Ratio Lower Upper
 152 100
 115 53.0 43.3 129.9
 150 158.2 0.0 345.0

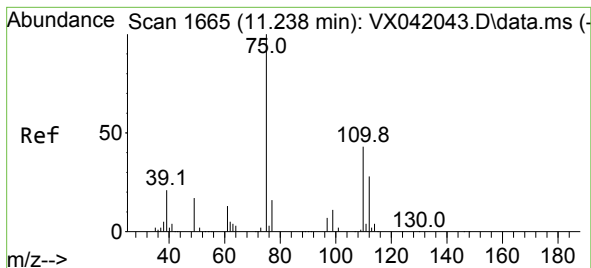


#74
 N-ethyl acetate
 Concen: 0.276 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.025 min
 Lab File: VX042349.D
 Acq: 16 Jul 2024 17:53



Tgt Ion: 43 Resp: 706
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 0.0 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 20.611 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042349.D

Acq: 16 Jul 2024 17:53

Instrument :

MSVOA_X

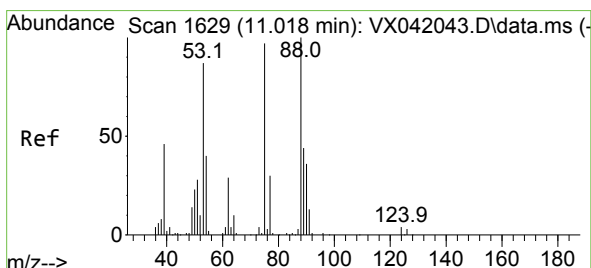
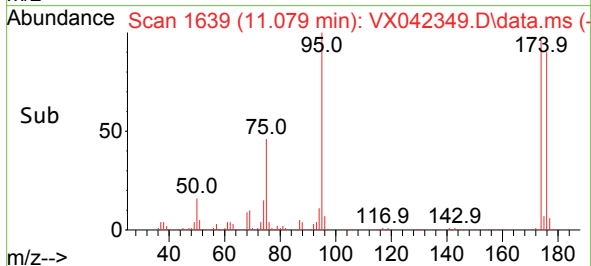
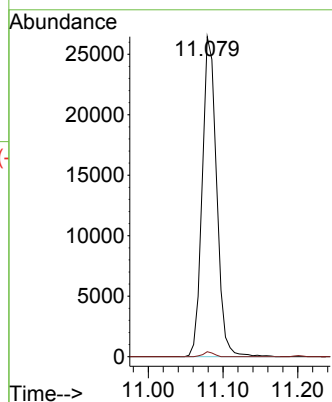
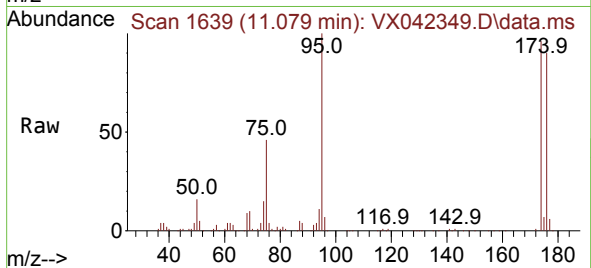
ClientSampleId :

Tgt Ion: 75 Resp: 35458

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.534 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042349.D

Acq: 16 Jul 2024 17:53

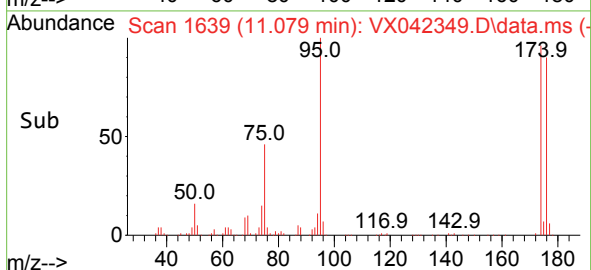
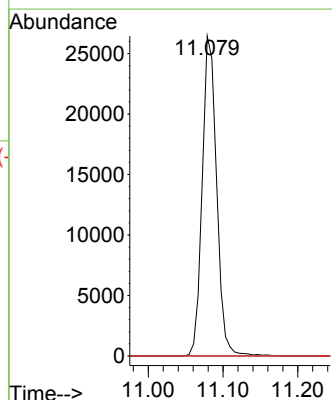
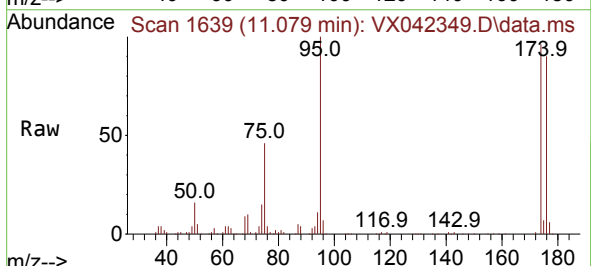
Tgt Ion: 75 Resp: 35458

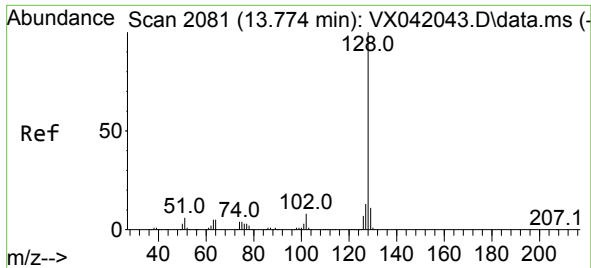
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.874 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

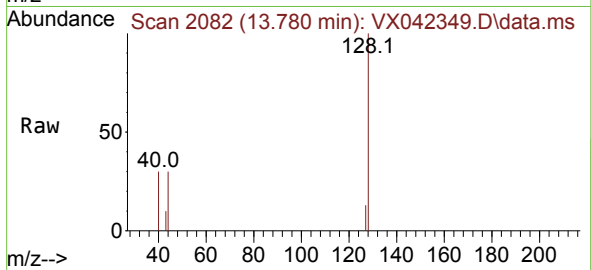
Lab File: VX042349.D

Acq: 16 Jul 2024 17:53

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 872

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

129 3.3 8.8 13.2#

