

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050624\
 Data File : VX041390.D
 Acq On : 06 May 2024 19:30
 Operator : JC/MD
 Sample : P2354-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 07 02:05:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

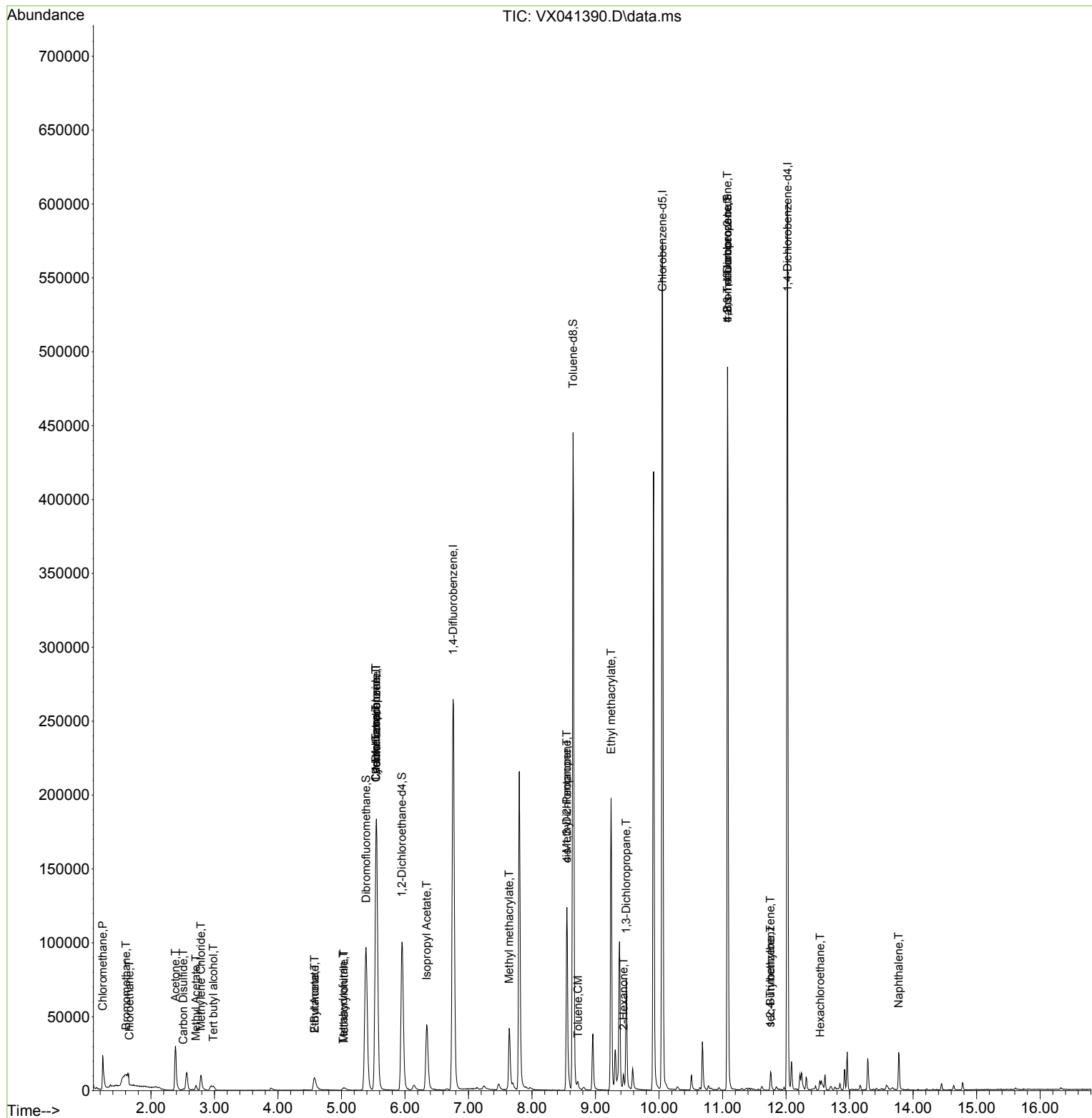
Internal Standards						
1) Pentafluorobenzene	5.550	168	194996	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	290300	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	272807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100688	47.432	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.860%		
35) Dibromofluoromethane	5.385	113	83878	42.637	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.280%		
50) Toluene-d8	8.647	98	265068	42.570	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	85.140%#		
62) 4-Bromofluorobenzene	11.079	95	120557	50.016	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.040%		
Target Compounds						
						Qvalue
3) Chloromethane	1.240	50	575	0.347	ug/l	# 43
5) Bromomethane	1.605	94	210	0.212	ug/l	# 68
6) Chloroethane	1.660	64	729	0.993	ug/l	# 79
11) Tert butyl alcohol	2.983	59	5448	12.822	ug/l	99
16) Acetone	2.386	43	33228	32.137	ug/l	90
17) Carbon Disulfide	2.508	76	1138	0.320	ug/l	98
18) Methyl Acetate	2.709	43	3907	1.799	ug/l	# 89
20) Methylene Chloride	2.788	84	5465	2.965	ug/l	90
25) 2-Butanone	4.574	43	18542	13.496	ug/l	96
29) Tetrahydrofuran	5.025	42	1502	1.672	ug/l	98
31) Cyclohexane	5.544	56	3188	1.244	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	12245	5.205	ug/l	# 52
37) Ethyl Acetate	4.574	43	18542	6.317	ug/l	# 69
38) Carbon Tetrachloride	5.544	117	16958	6.293	ug/l	# 15
41) Methacrylonitrile	5.038	41	673	0.445	ug/l	# 43
43) Isopropyl Acetate	6.342	43	63344	14.353	ug/l	99
48) Methyl methacrylate	7.641	41	1209	0.598	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	47497	17.936	ug/l	# 46
52) Toluene	8.726	92	1437	0.324	ug/l	97
54) cis-1,3-Dichloropropene	8.549	75	19614	7.762	ug/l	# 60
56) Ethyl methacrylate	9.244	69	554	0.210	ug/l	# 1
57) 1,3-Dichloropropane	9.482	76	702	0.246	ug/l	# 42
59) 2-Hexanone	9.439	43	6603	3.118	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	60334	26.335	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	60334	71.733	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	2710	0.385	ug/l	96
85) sec-Butylbenzene	11.756	105	2710	0.316	ug/l	# 57
90) Hexachloroethane	12.536	117	291	0.226	ug/l	# 17
95) Naphthalene	13.774	128	18079	1.877	ug/l	98

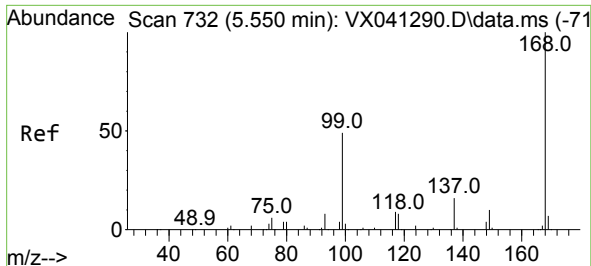
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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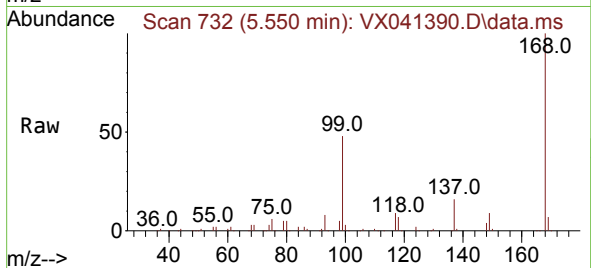
Quant Time: May 07 02:05:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
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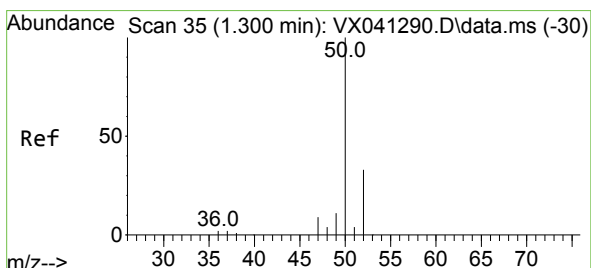
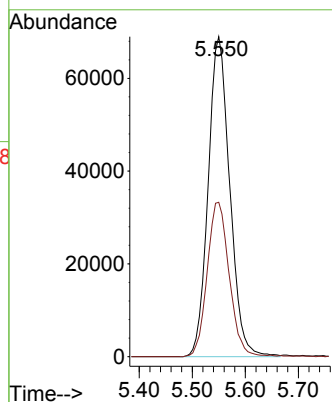
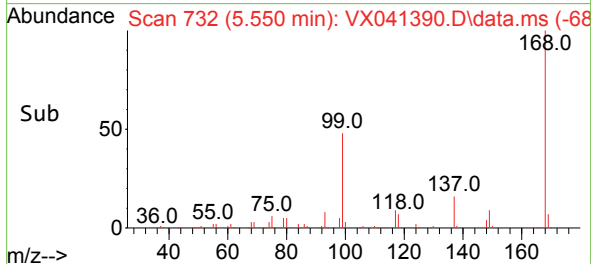


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

Instrument :
MSVOA_X
ClientSampleId :

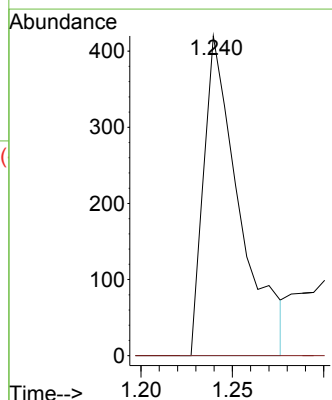
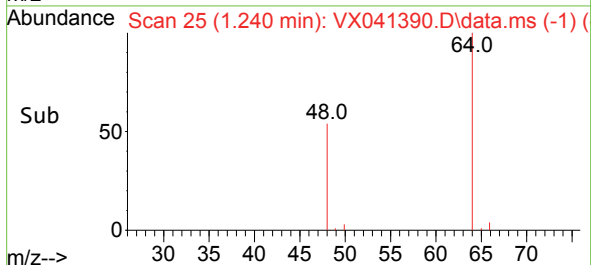
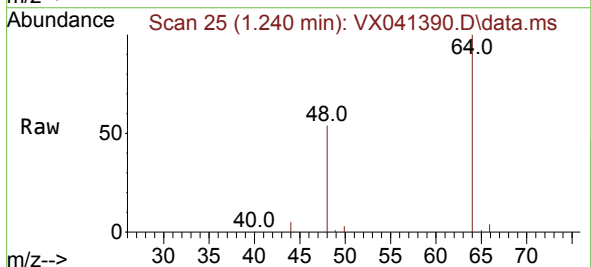


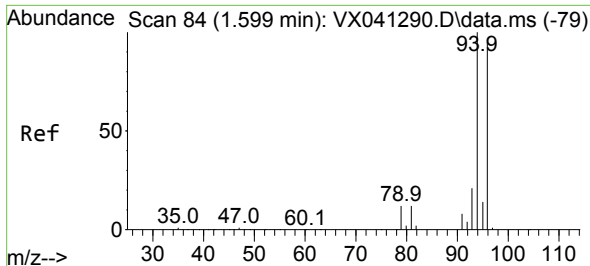
Tgt Ion:168 Resp: 194996
Ion Ratio Lower Upper
168 100
99 48.2 56.6 85.0#



#3
Chloromethane
Concen: 0.347 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.061 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

Tgt Ion: 50 Resp: 575
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

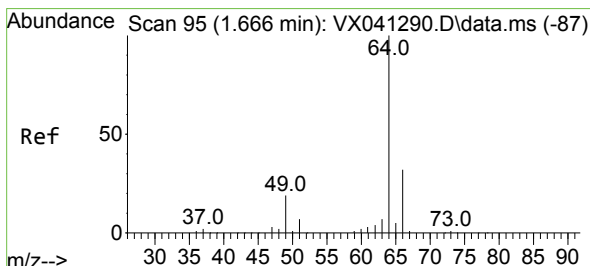
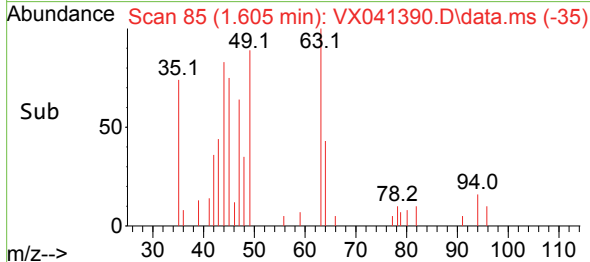
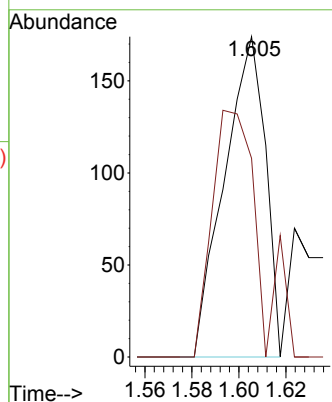
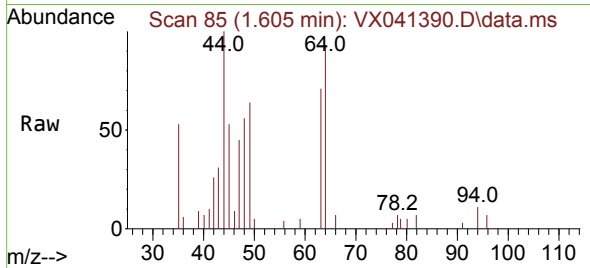




#5
Bromomethane
Concen: 0.212 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

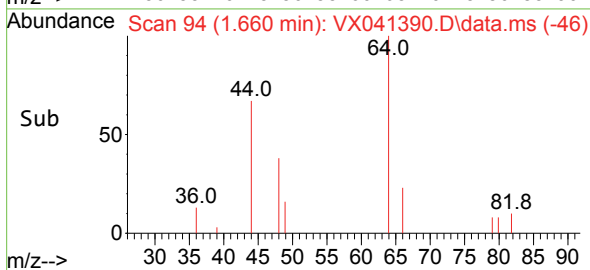
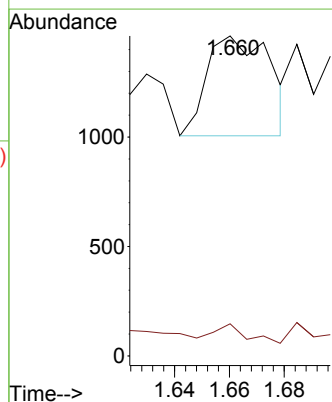
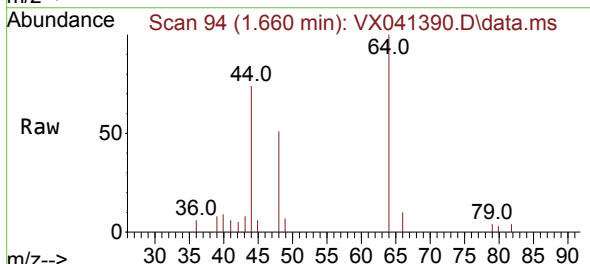
Instrument :
MSVOA_X
ClientSampleId :

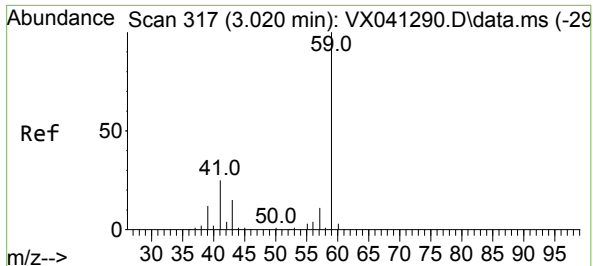
Tgt Ion: 94 Resp: 210
Ion Ratio Lower Upper
94 100
96 62.1 74.6 111.8#



#6
Chloroethane
Concen: 0.993 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

Tgt Ion: 64 Resp: 729
Ion Ratio Lower Upper
64 100
66 19.5 25.1 37.7#

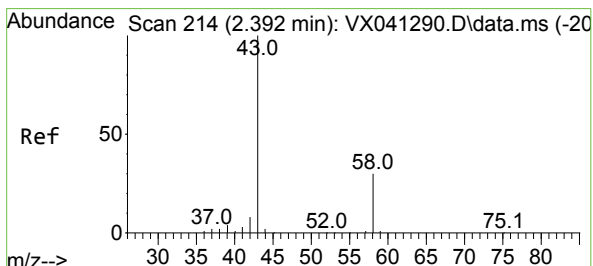
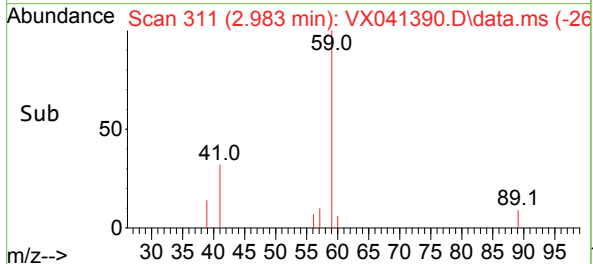
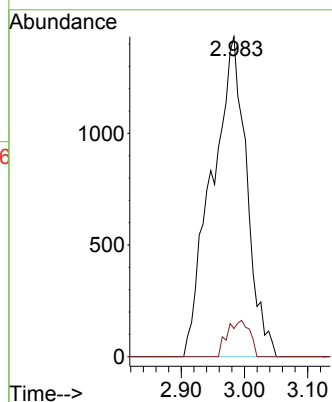
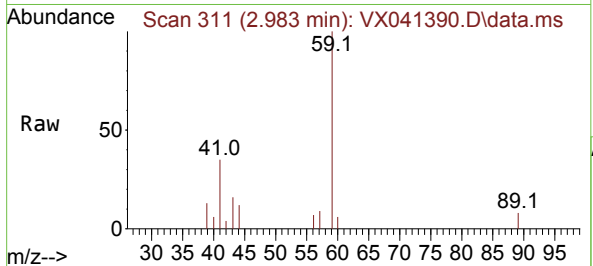




#11
Tert butyl alcohol
Concen: 12.822 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.037 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

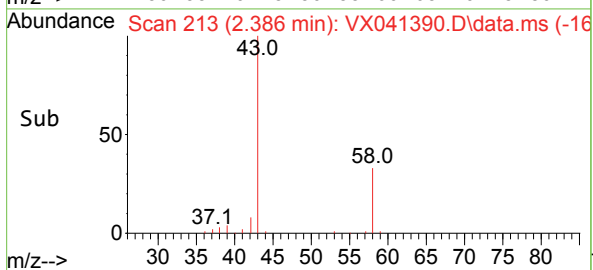
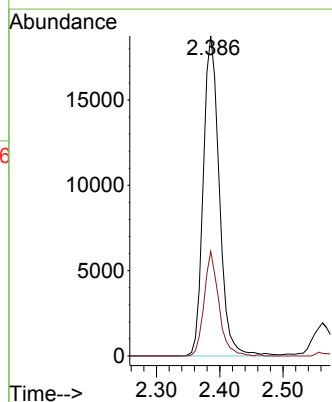
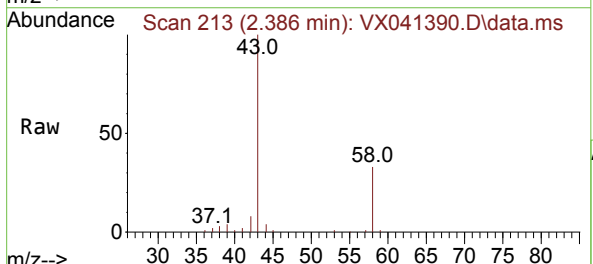
Instrument :
MSVOA_X
ClientSampleId :

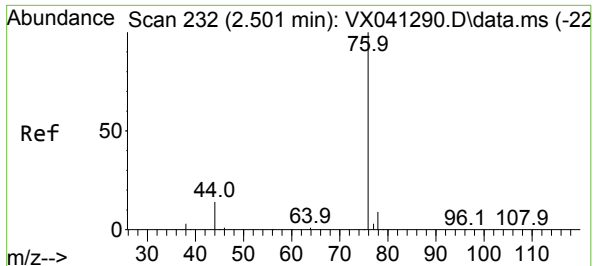
Tgt Ion: 59 Resp: 5448
Ion Ratio Lower Upper
59 100
57 7.3 6.0 9.0



#16
Acetone
Concen: 32.137 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

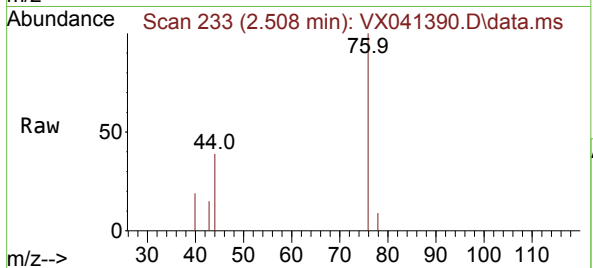
Tgt Ion: 43 Resp: 33228
Ion Ratio Lower Upper
43 100
58 32.6 21.9 32.9



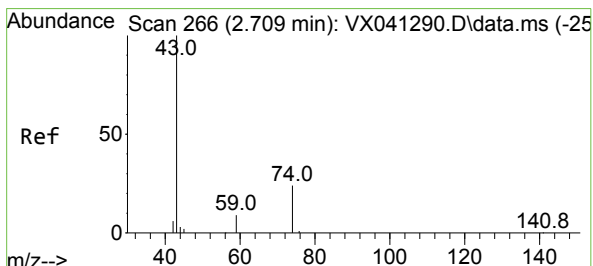
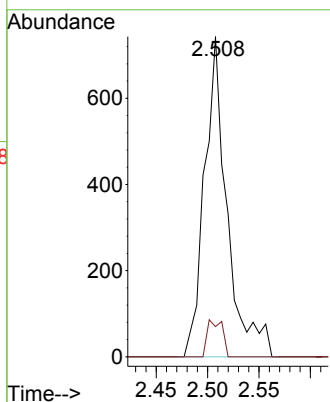
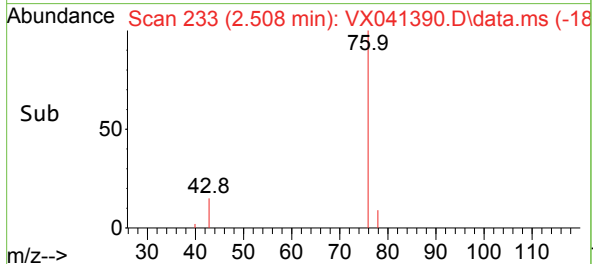


#17
Carbon Disulfide
Concen: 0.320 ug/l
RT: 2.508 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

Instrument :
MSVOA_X
ClientSampleId :

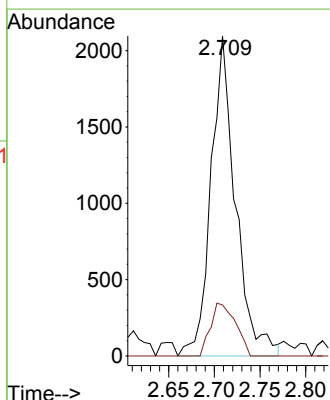
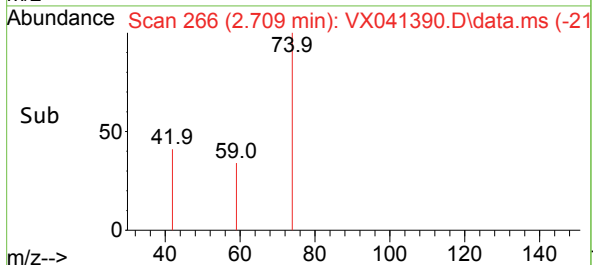
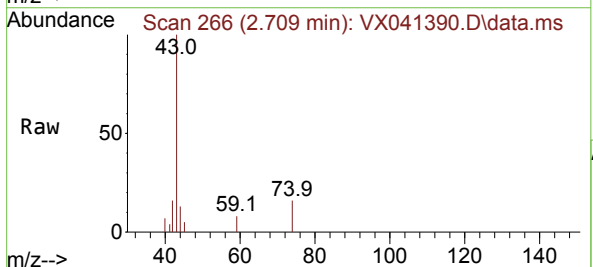


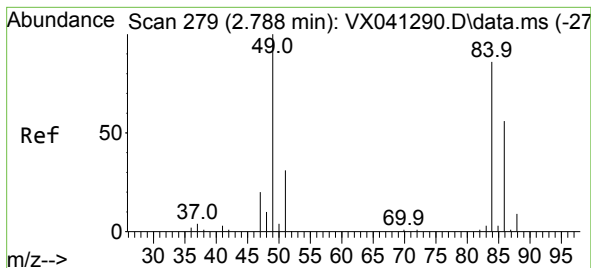
Tgt Ion: 76 Resp: 1138
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 1.799 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

Tgt Ion: 43 Resp: 3907
Ion Ratio Lower Upper
43 100
74 16.8 17.8 26.8#





#20

Methylene Chloride

Concen: 2.965 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX041390.D

Acq: 06 May 2024 19:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 84 Resp: 5465

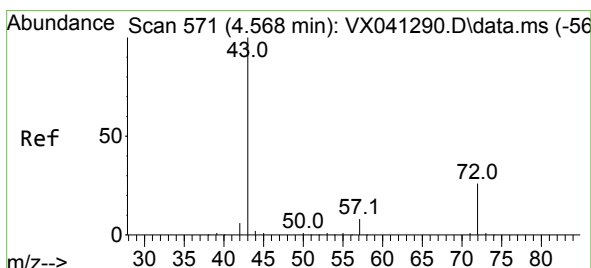
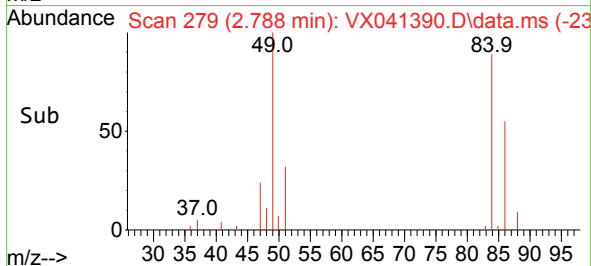
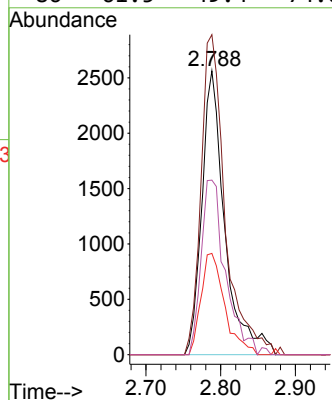
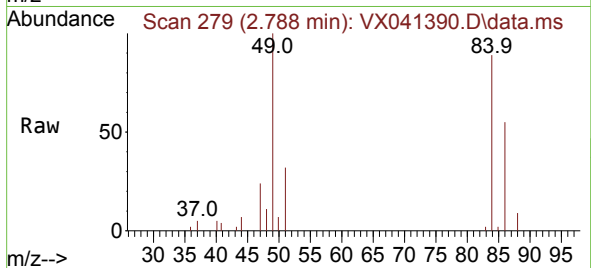
Ion Ratio Lower Upper

84 100

49 112.7 103.6 155.4

51 35.6 33.8 50.6

86 61.5 49.4 74.0



#25

2-Butanone

Concen: 13.496 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX041390.D

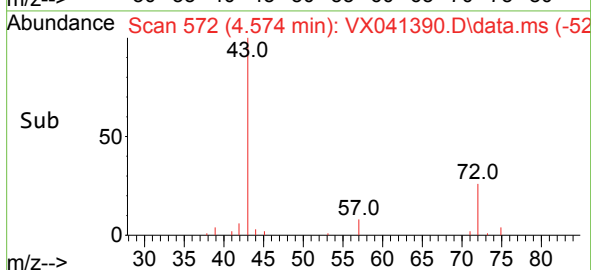
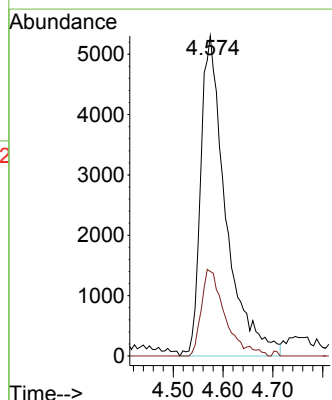
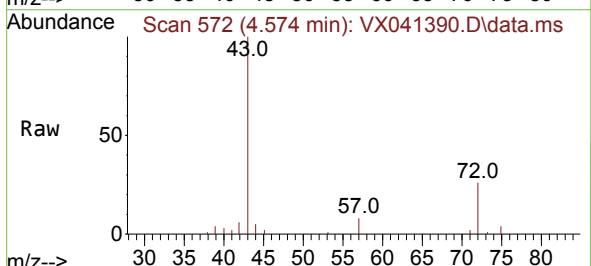
Acq: 06 May 2024 19:30

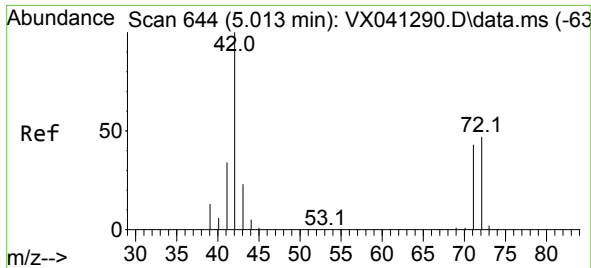
Tgt Ion: 43 Resp: 18542

Ion Ratio Lower Upper

43 100

72 26.4 19.4 29.2





#29

Tetrahydrofuran

Concen: 1.672 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX041390.D

Acq: 06 May 2024 19:30

Instrument :

MSVOA_X

ClientSampleId :

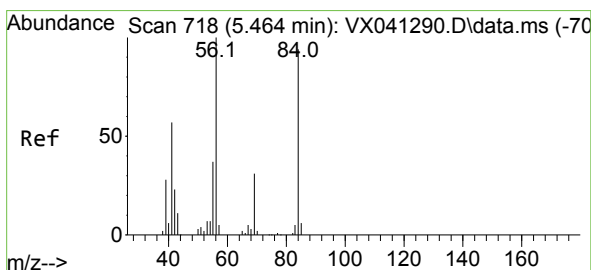
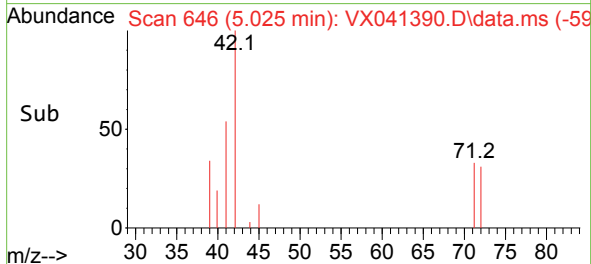
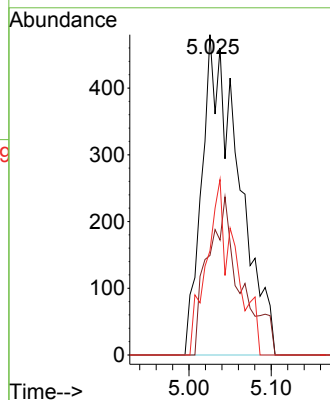
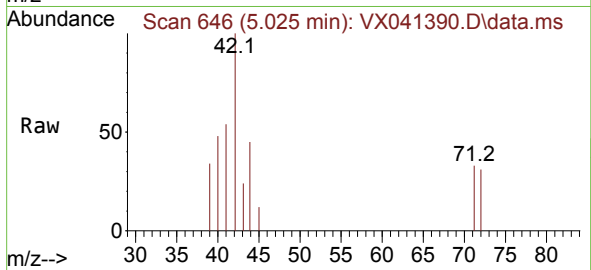
Tgt Ion: 42 Resp: 1502

Ion Ratio Lower Upper

42 100

72 43.5 34.2 51.4

71 42.6 32.2 48.2



#31

Cyclohexane

Concen: 1.244 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX041390.D

Acq: 06 May 2024 19:30

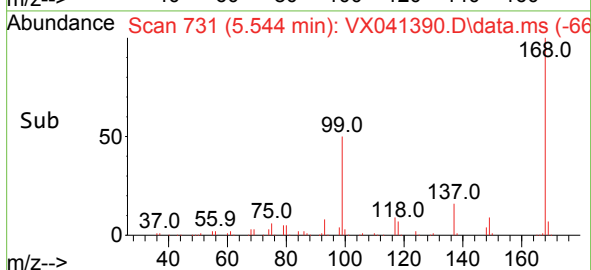
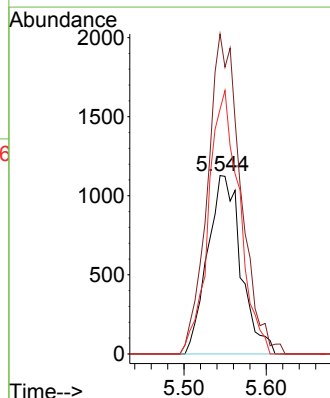
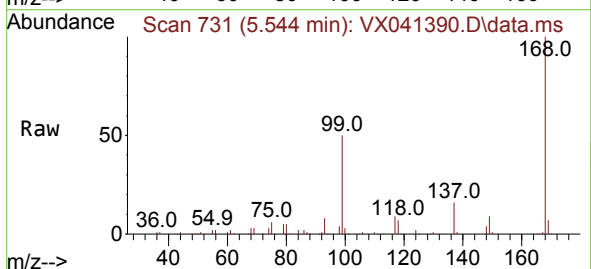
Tgt Ion: 56 Resp: 3188

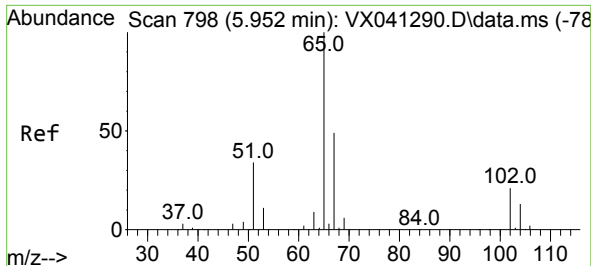
Ion Ratio Lower Upper

56 100

69 179.3 23.4 35.2#

84 137.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.432 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041390.D

Acq: 06 May 2024 19:30

Instrument :

MSVOA_X

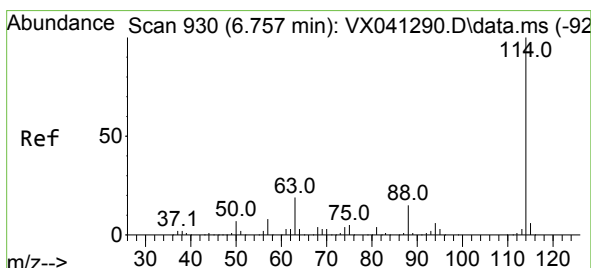
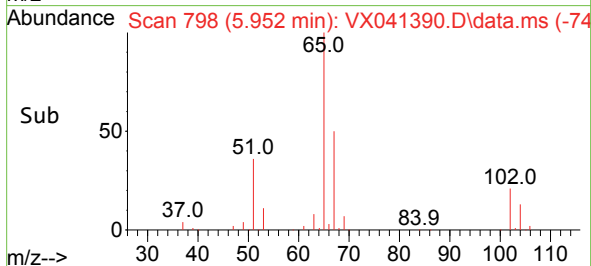
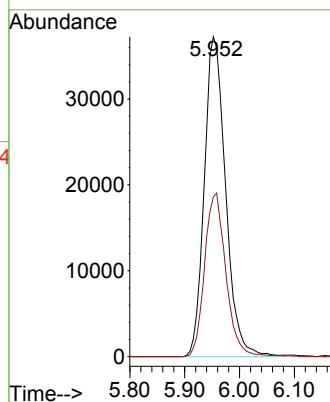
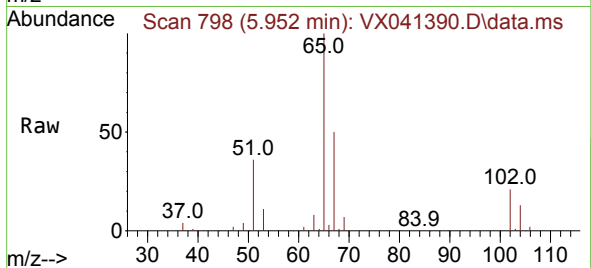
ClientSampleId :

Tgt Ion: 65 Resp: 100688

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX041390.D

Acq: 06 May 2024 19:30

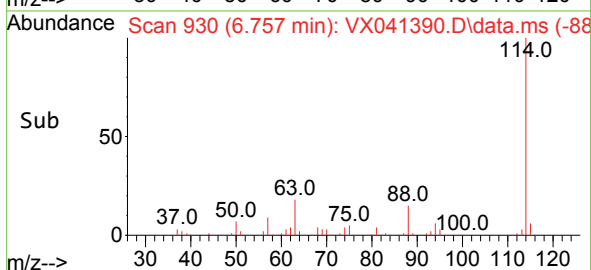
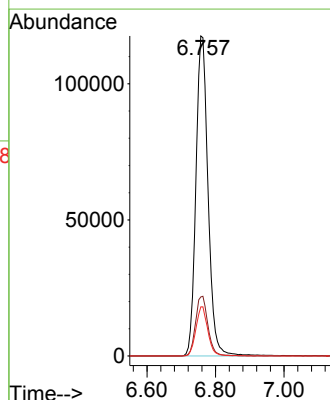
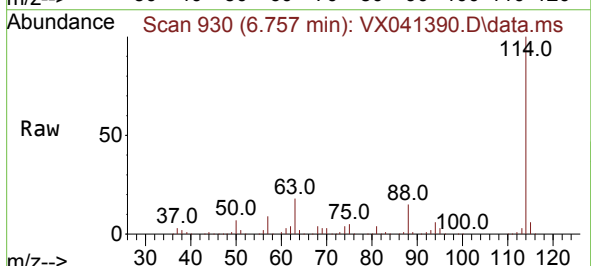
Tgt Ion: 114 Resp: 290300

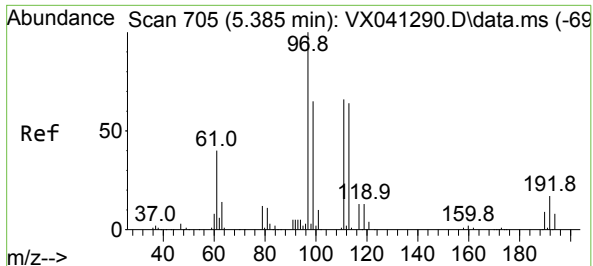
Ion Ratio Lower Upper

114 100

63 18.4 0.0 45.0

88 15.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 42.637 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX041390.D

Acq: 06 May 2024 19:30

Instrument :

MSVOA_X

ClientSampleId :

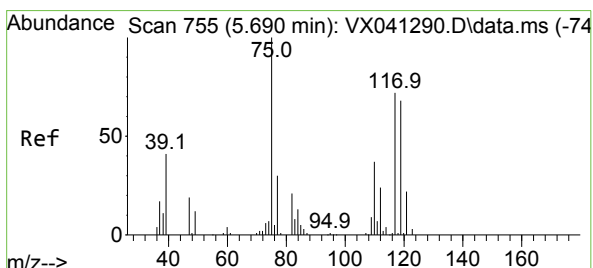
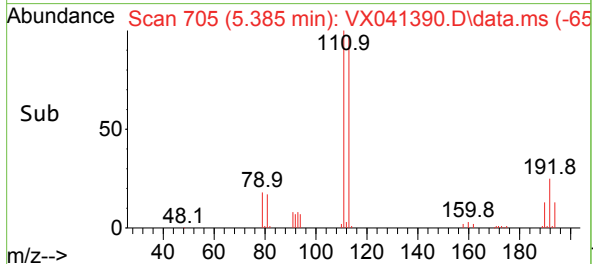
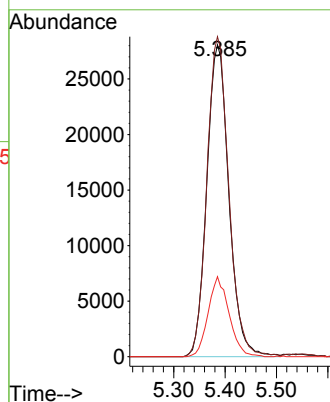
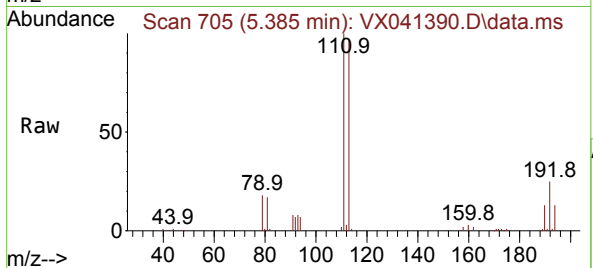
Tgt Ion:113 Resp: 83878

Ion Ratio Lower Upper

113 100

111 101.8 82.9 124.3

192 24.3 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 5.205 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX041390.D

Acq: 06 May 2024 19:30

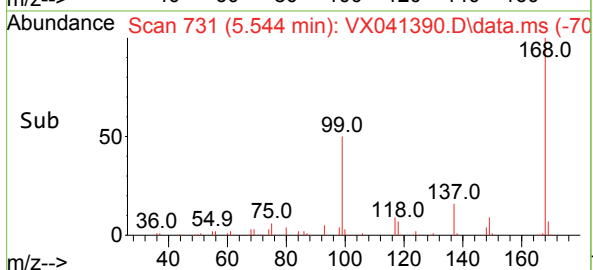
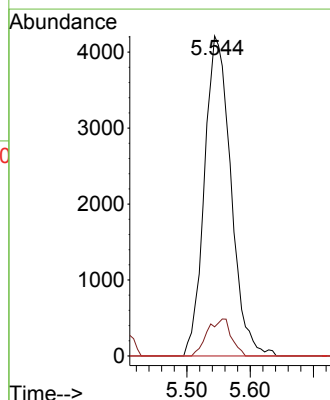
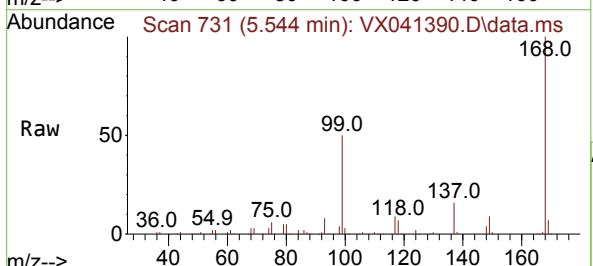
Tgt Ion: 75 Resp: 12245

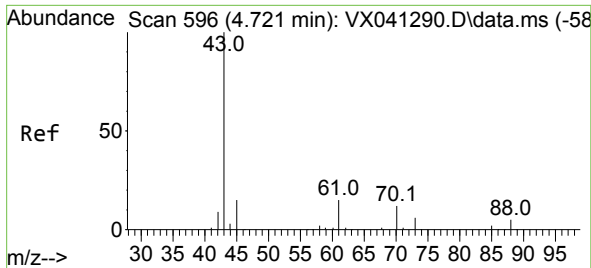
Ion Ratio Lower Upper

75 100

110 10.5 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 6.317 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX041390.D

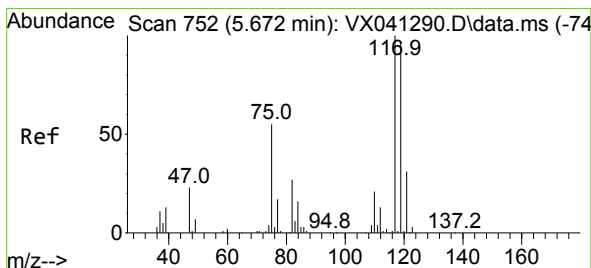
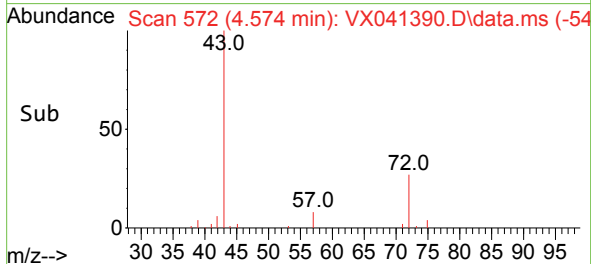
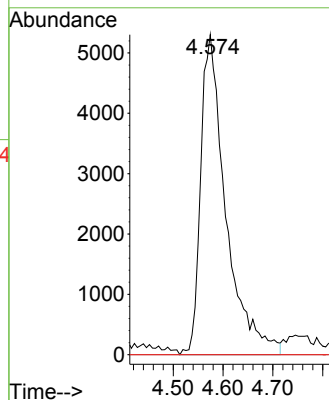
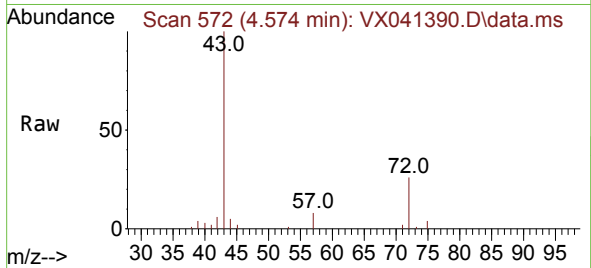
Acq: 06 May 2024 19:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	18542
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.293 ug/l

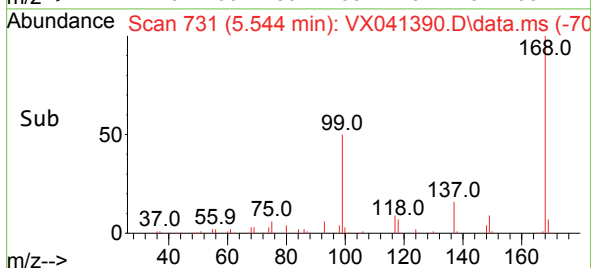
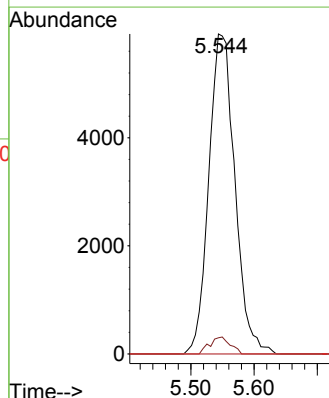
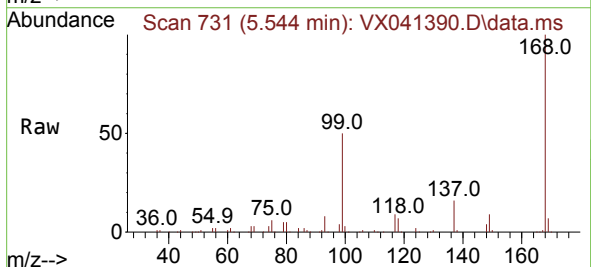
RT: 5.544 min Scan# 731

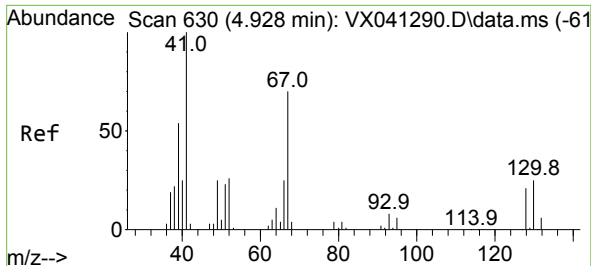
Delta R.T. -0.128 min

Lab File: VX041390.D

Acq: 06 May 2024 19:30

Tgt Ion:	117	Resp:	16958
Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.2	117.2#
121	0.0	24.4	36.6#

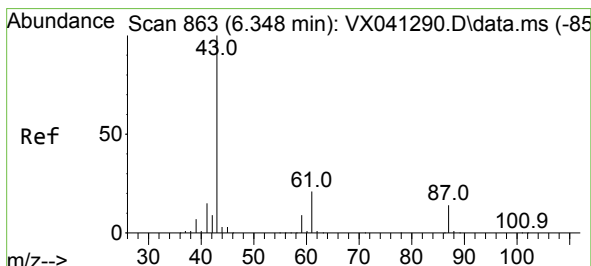
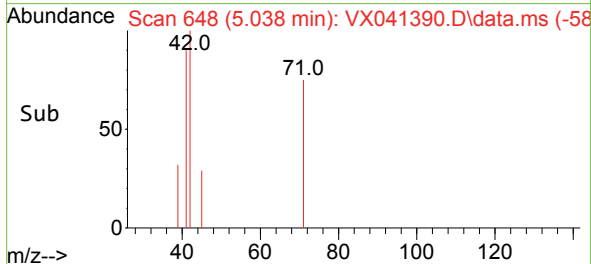
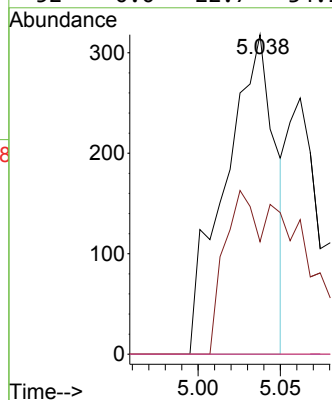
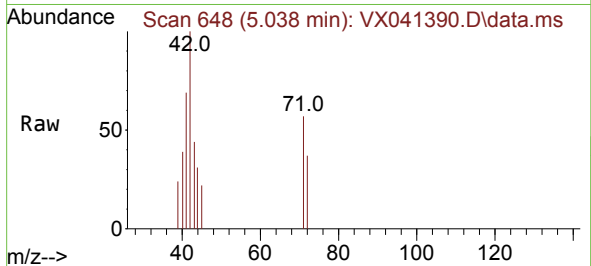




#41
Methacrylonitrile
Concen: 0.445 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

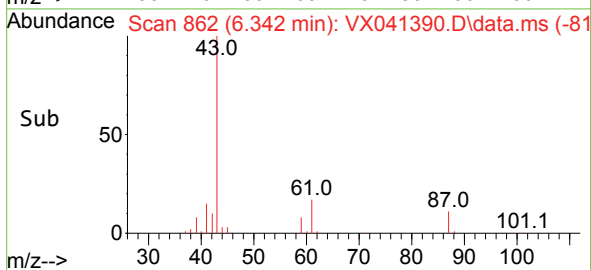
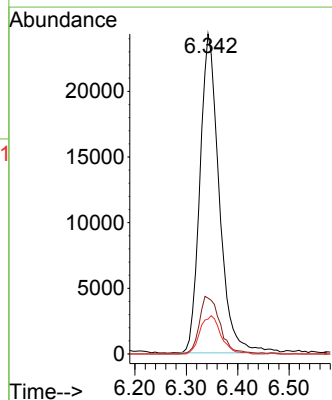
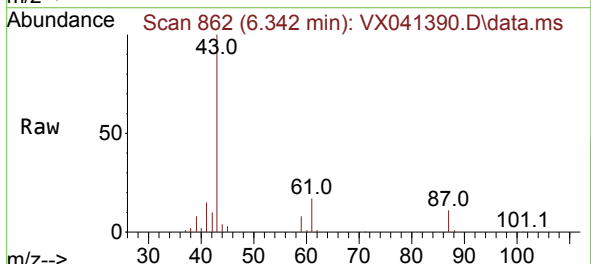
Instrument :
MSVOA_X
ClientSampleId :

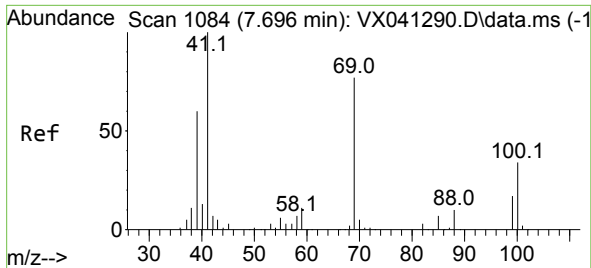
Tgt Ion: 41 Resp: 673
Ion Ratio Lower Upper
41 100
39 34.9 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#43
Isopropyl Acetate
Concen: 14.353 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

Tgt Ion: 43 Resp: 63344
Ion Ratio Lower Upper
43 100
61 19.3 15.2 22.8
87 12.9 9.8 14.6

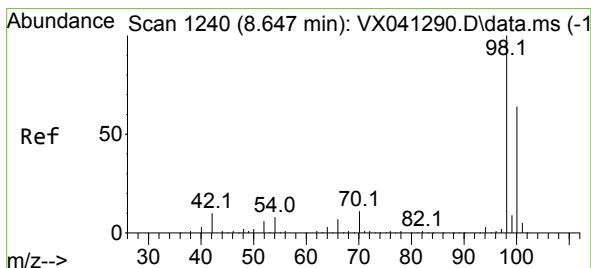
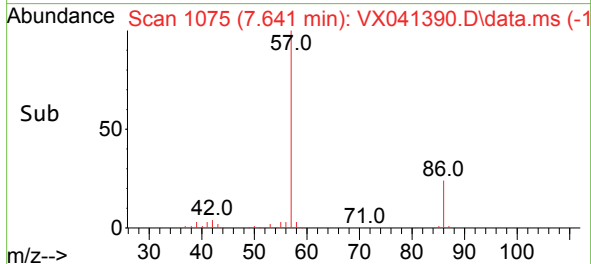
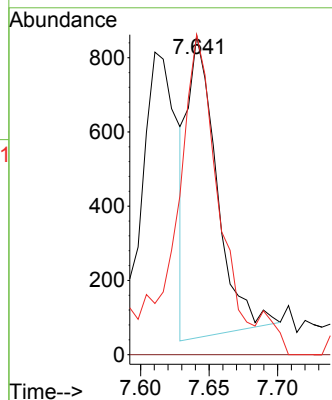
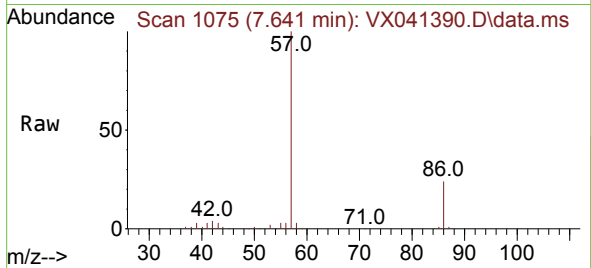




#48
Methyl methacrylate
Concen: 0.598 ug/l
RT: 7.641 min Scan# 1084
Delta R.T. -0.055 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

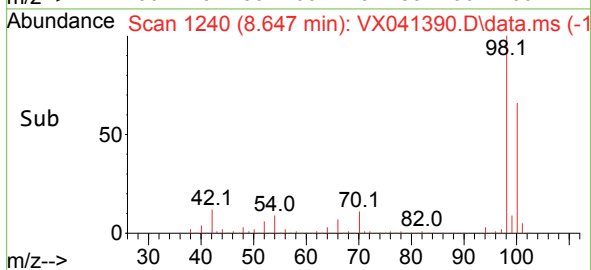
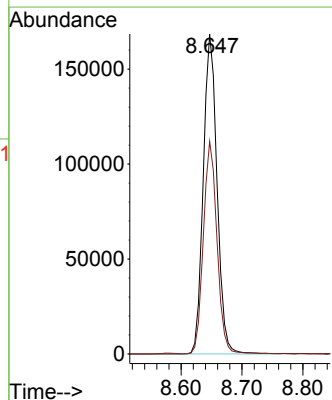
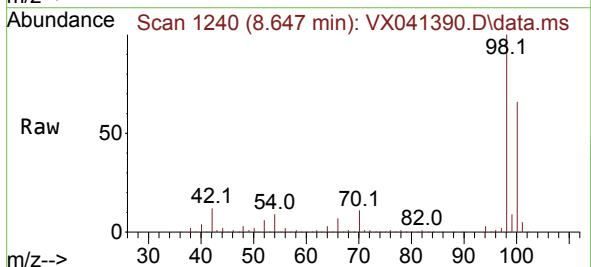
Instrument :
MSVOA_X
ClientSampleId :

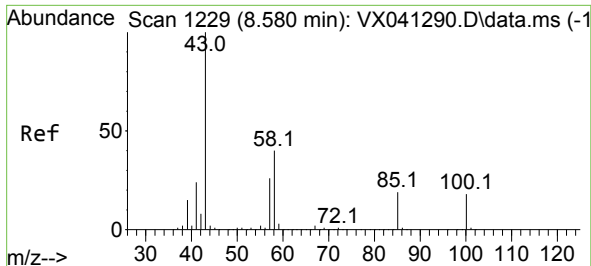
Tgt Ion: 41 Resp: 1209
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 155.2 47.7 71.5#



#50
Toluene-d8
Concen: 42.570 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

Tgt Ion: 98 Resp: 265068
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7

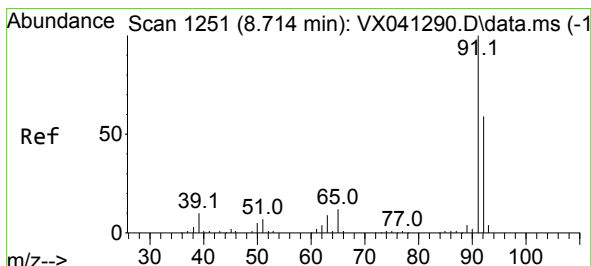
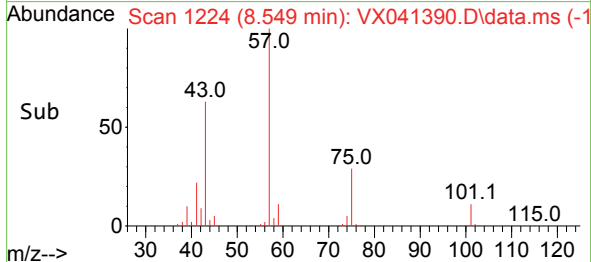
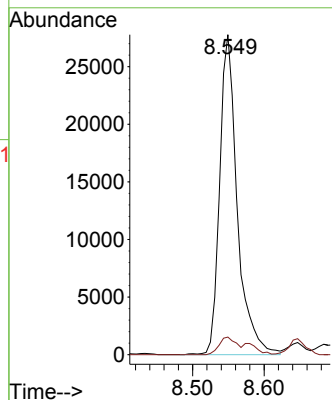
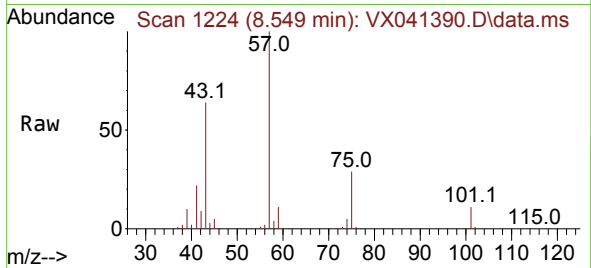




#51
4-Methyl-2-Pentanone
Concen: 17.936 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

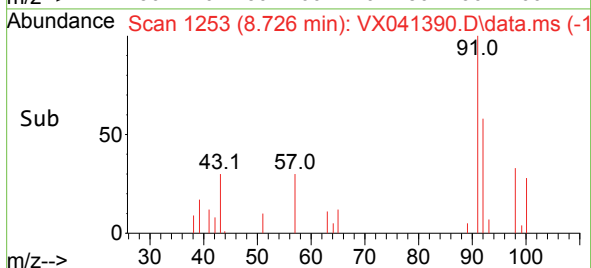
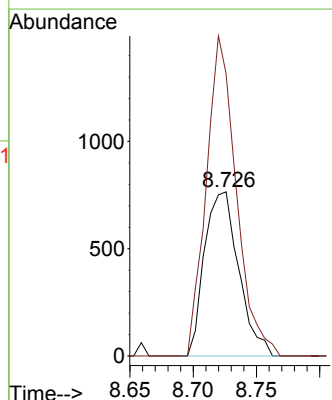
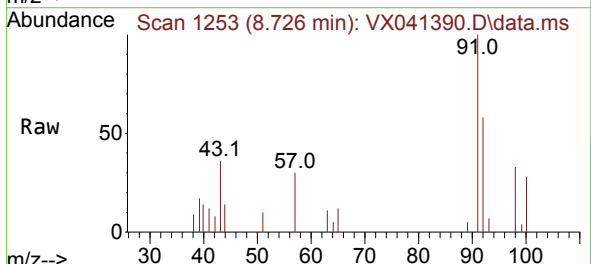
Instrument :
MSVOA_X
ClientSampleId :

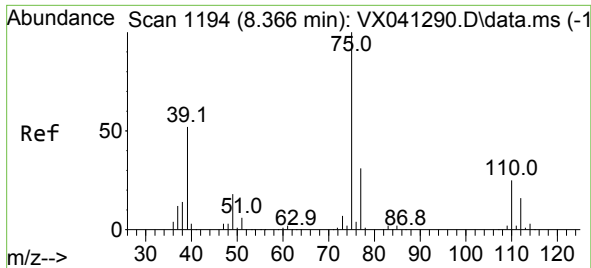
Tgt Ion: 43 Resp: 47497
Ion Ratio Lower Upper
43 100
58 5.5 30.4 45.6#



#52
Toluene
Concen: 0.324 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

Tgt Ion: 92 Resp: 1437
Ion Ratio Lower Upper
92 100
91 171.4 134.2 201.2

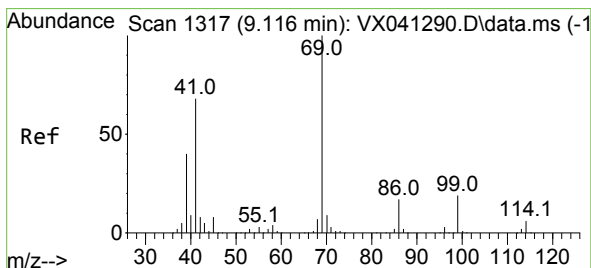
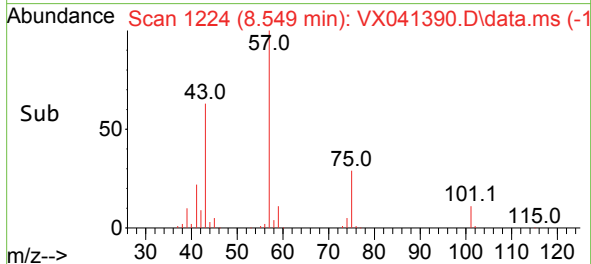
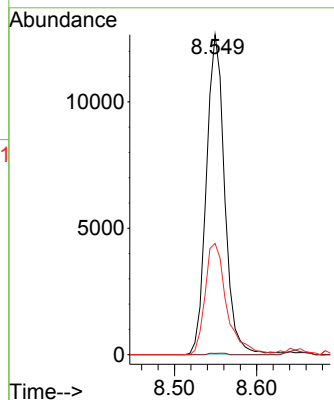
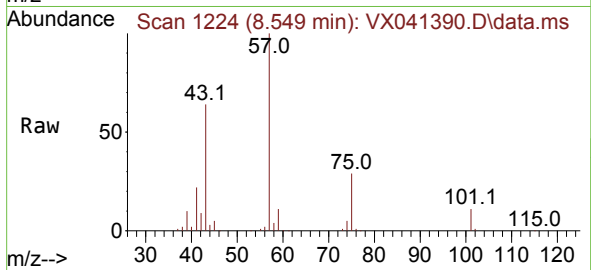




#54
 cis-1,3-Dichloropropene
 Concen: 7.762 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041390.D
 Acq: 06 May 2024 19:30

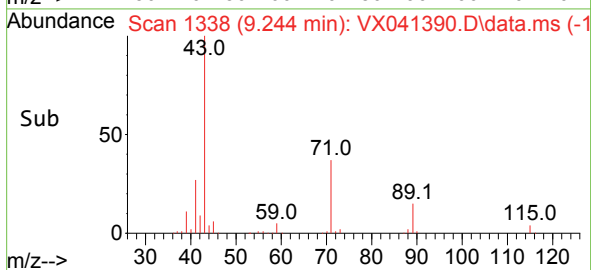
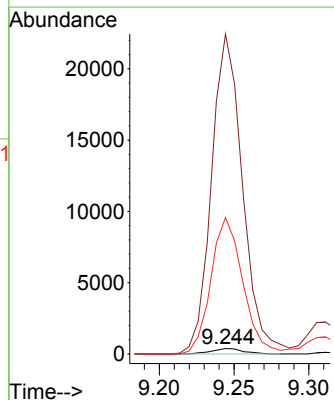
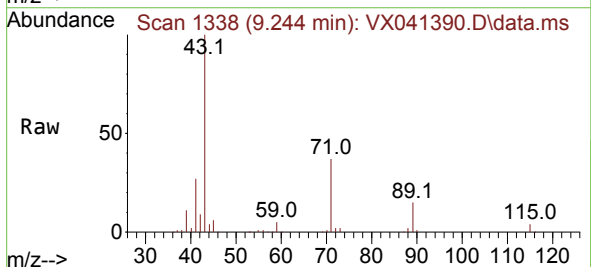
Instrument :
 MSVOA_X
 ClientSampleId :

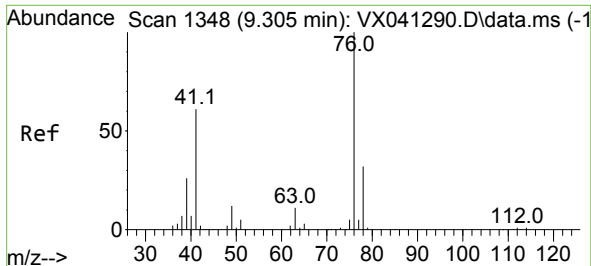
Tgt Ion: 75 Resp: 19614
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 34.8 46.7 70.1#



#56
 Ethyl methacrylate
 Concen: 0.210 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX041390.D
 Acq: 06 May 2024 19:30

Tgt Ion: 69 Resp: 554
 Ion Ratio Lower Upper
 69 100
 41 5862.8 56.8 85.2#
 39 2553.2 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 0.246 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041390.D

Acq: 06 May 2024 19:30

Instrument :

MSVOA_X

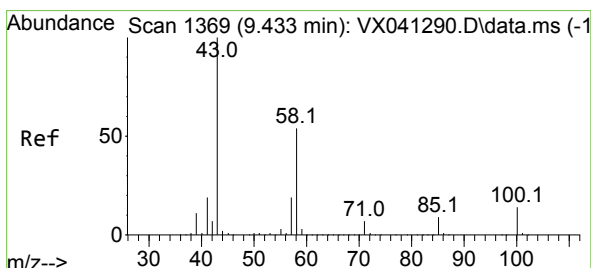
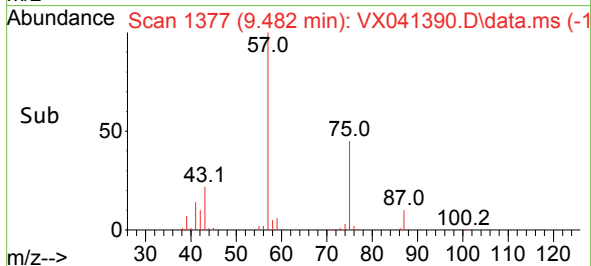
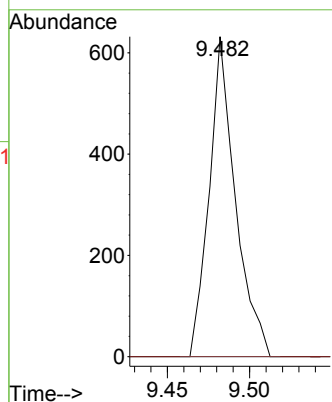
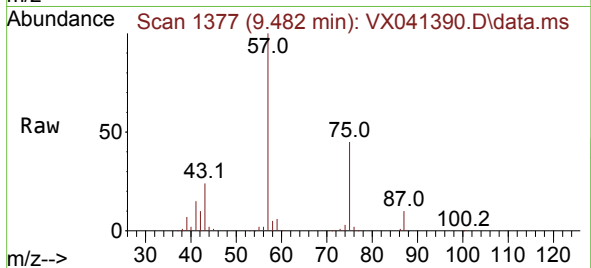
ClientSampleId :

Tgt Ion: 76 Resp: 702

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 3.118 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX041390.D

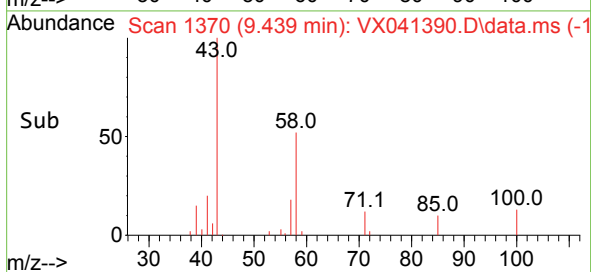
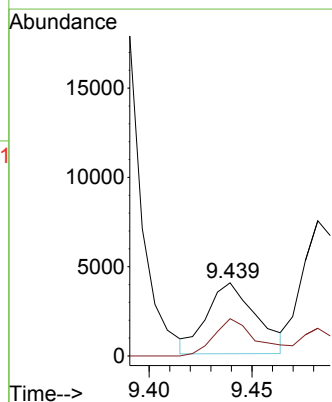
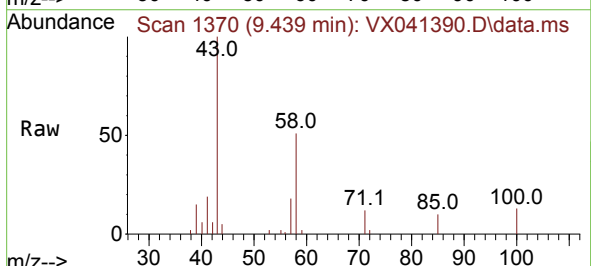
Acq: 06 May 2024 19:30

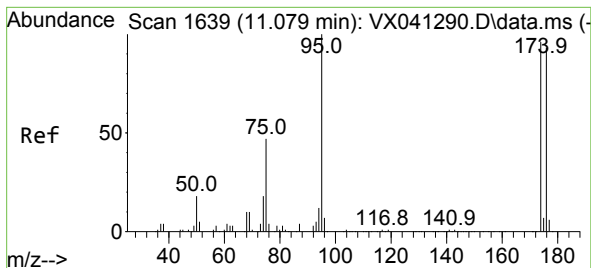
Tgt Ion: 43 Resp: 6603

Ion Ratio Lower Upper

43 100

58 47.7 26.2 78.5

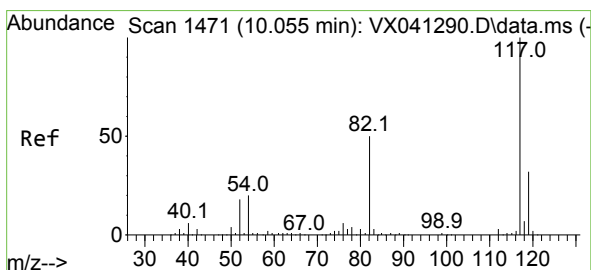
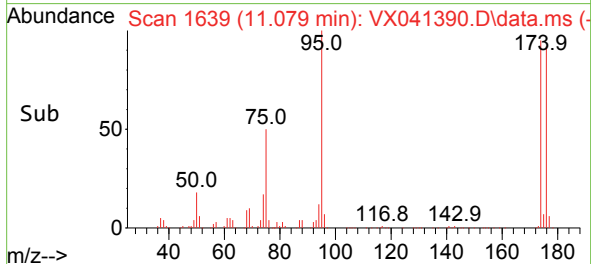
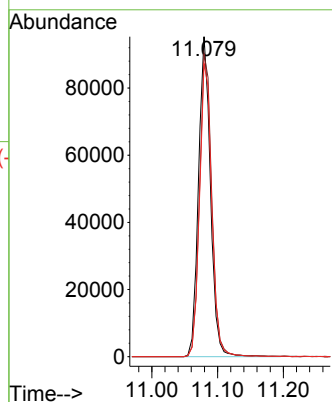
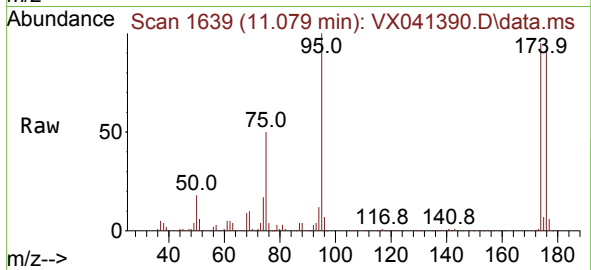




#62
4-Bromofluorobenzene
Concen: 50.016 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

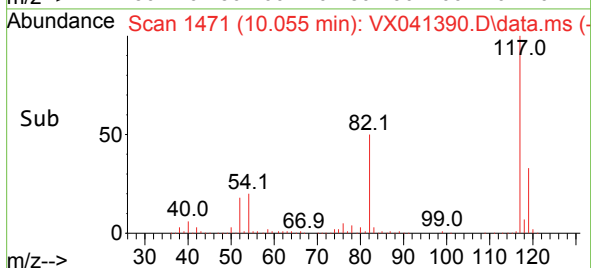
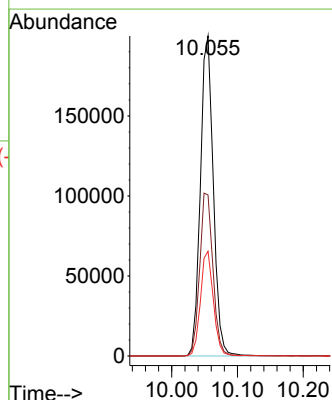
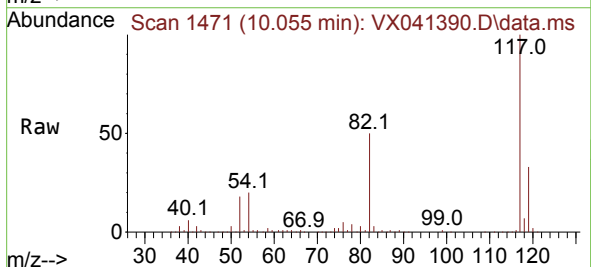
Instrument :
MSVOA_X
ClientSampleId :

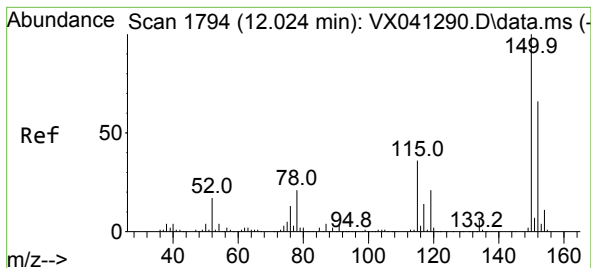
Tgt Ion: 95 Resp: 120557
Ion Ratio Lower Upper
95 100
174 97.6 0.0 135.6
176 93.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041390.D
Acq: 06 May 2024 19:30

Tgt Ion: 117 Resp: 272807
Ion Ratio Lower Upper
117 100
82 50.3 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: VX041390.D

Acq: 06 May 2024 19:30

Instrument :

MSVOA_X

ClientSampleId :

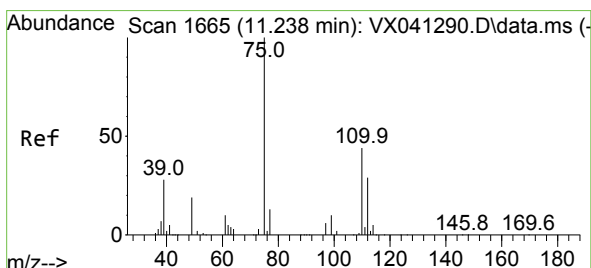
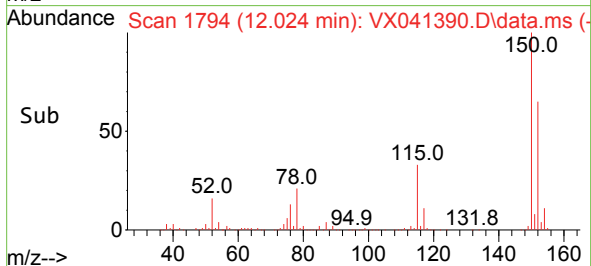
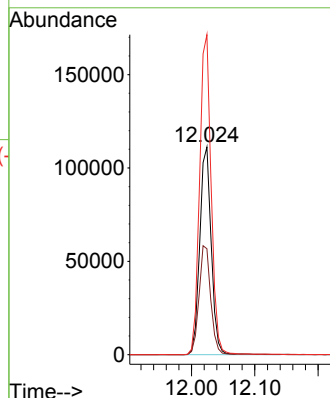
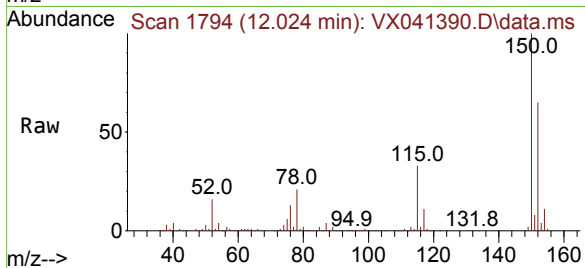
Tgt Ion:152 Resp: 140582

Ion Ratio Lower Upper

152 100

115 53.3 43.3 129.9

150 154.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.335 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041390.D

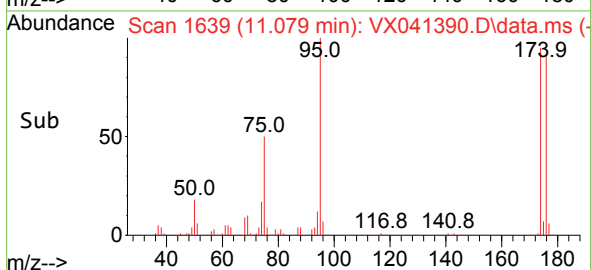
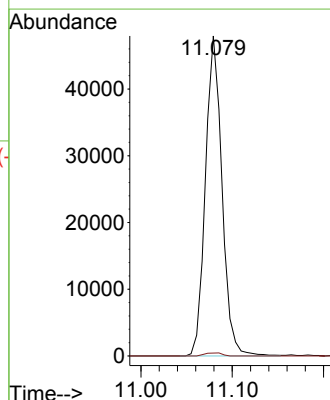
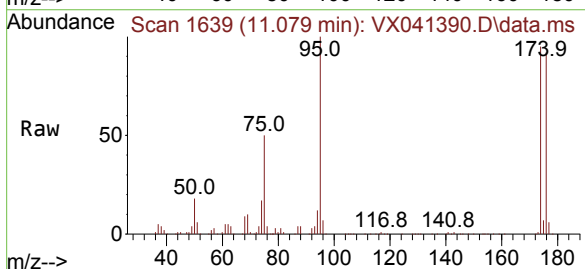
Acq: 06 May 2024 19:30

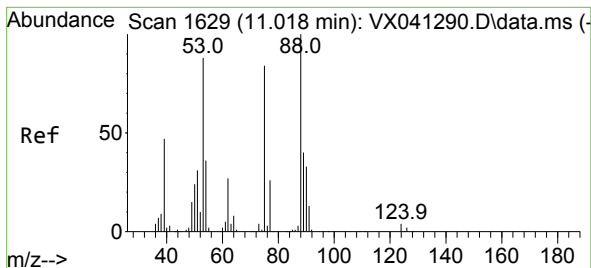
Tgt Ion: 75 Resp: 60334

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

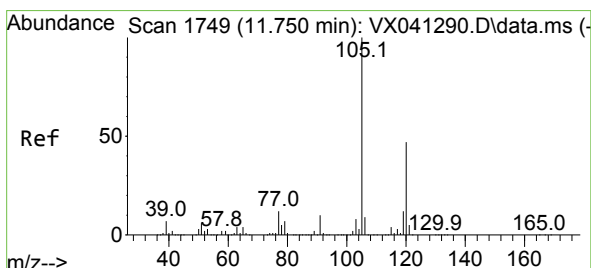
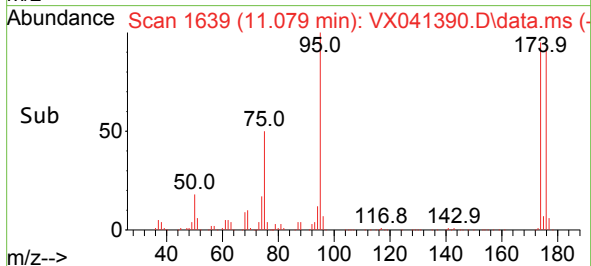
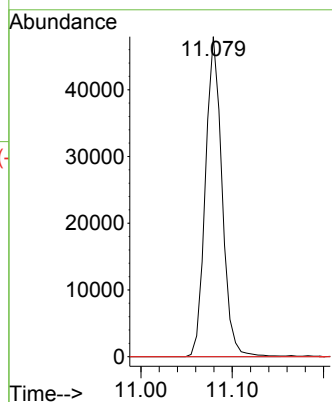
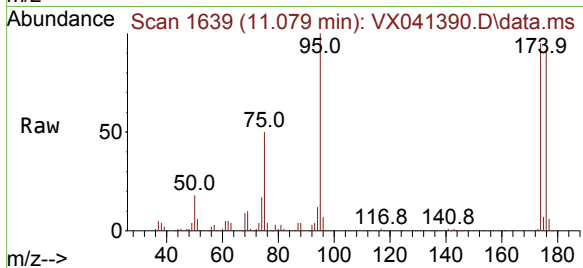




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.733 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX041390.D
 Acq: 06 May 2024 19:30

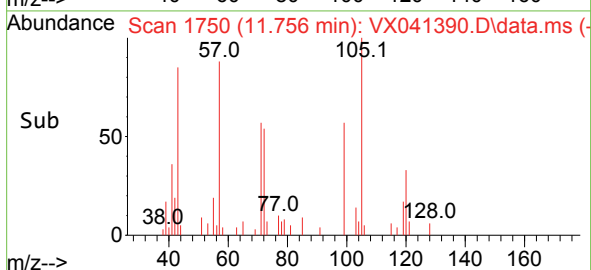
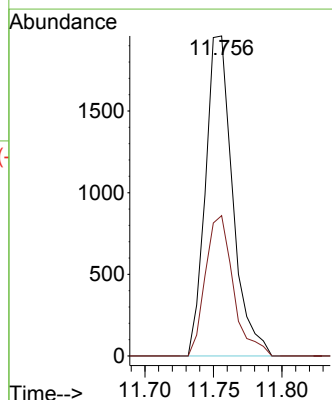
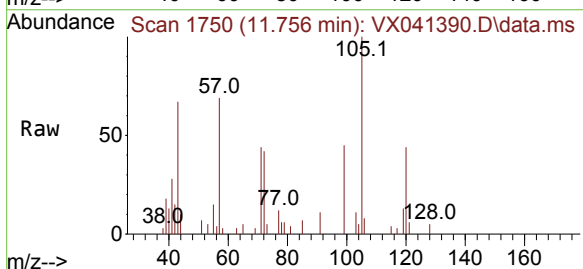
Instrument :
 MSVOA_X
 ClientSampleId :

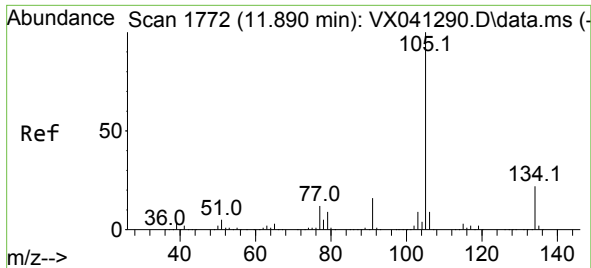
Tgt Ion: 75 Resp: 60334
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.385 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX041390.D
 Acq: 06 May 2024 19:30

Tgt Ion: 105 Resp: 2710
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.2 63.6

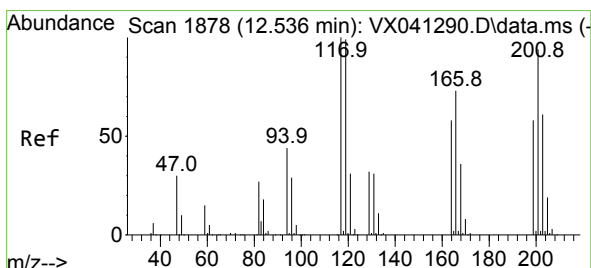
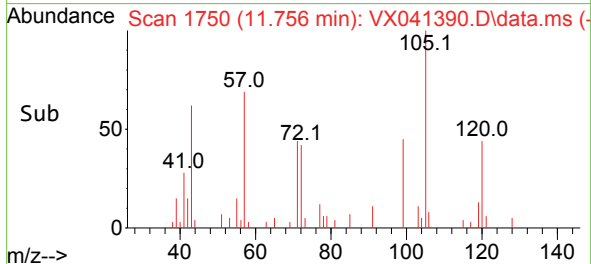
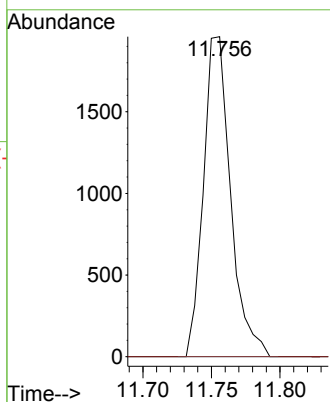
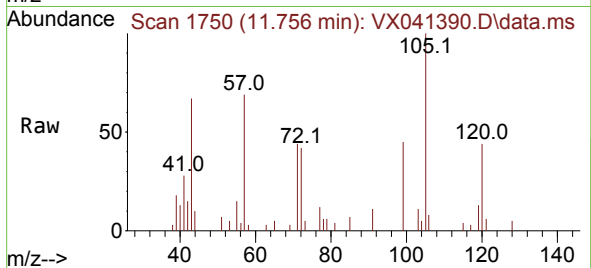




#85
 sec-Butylbenzene
 Concen: 0.316 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.134 min
 Lab File: VX041390.D
 Acq: 06 May 2024 19:30

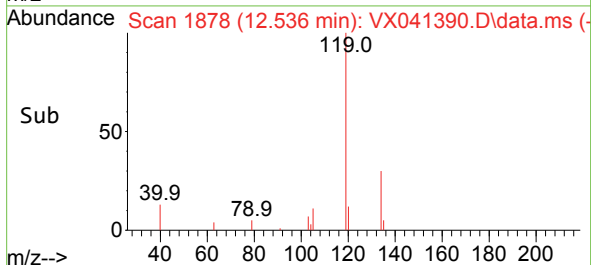
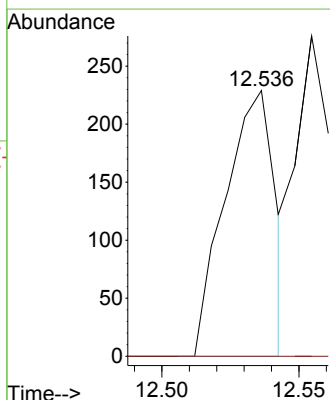
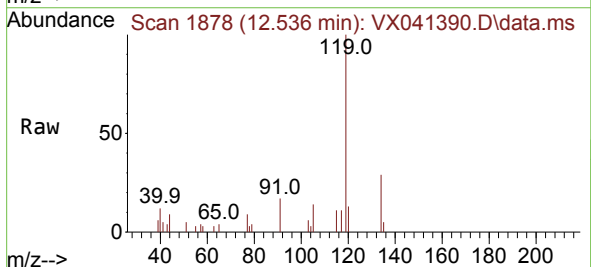
Instrument :
 MSVOA_X
 ClientSampleId :

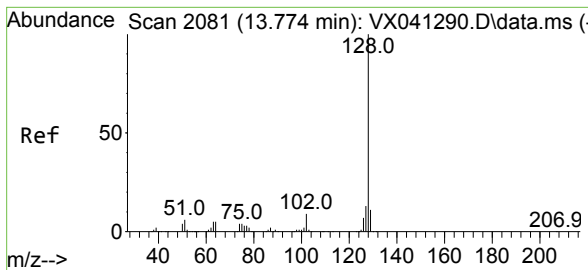
Tgt Ion:105 Resp: 2710
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#90
 Hexachloroethane
 Concen: 0.226 ug/l
 RT: 12.536 min Scan# 1878
 Delta R.T. 0.000 min
 Lab File: VX041390.D
 Acq: 06 May 2024 19:30

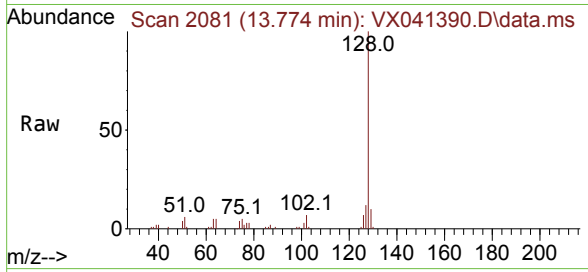
Tgt Ion:117 Resp: 291
 Ion Ratio Lower Upper
 117 100
 201 0.0 32.9 98.6#





#95
 Naphthalene
 Concen: 1.877 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. 0.000 min
 Lab File: VX041390.D
 Acq: 06 May 2024 19:30

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	128	Resp:	18079
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.3	15.5
129	10.3	8.8	13.2

