

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050224\
 Data File : VX041351.D
 Acq On : 02 May 2024 14:13
 Operator : JC/MD
 Sample : PB160645ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 03 01:38:17 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

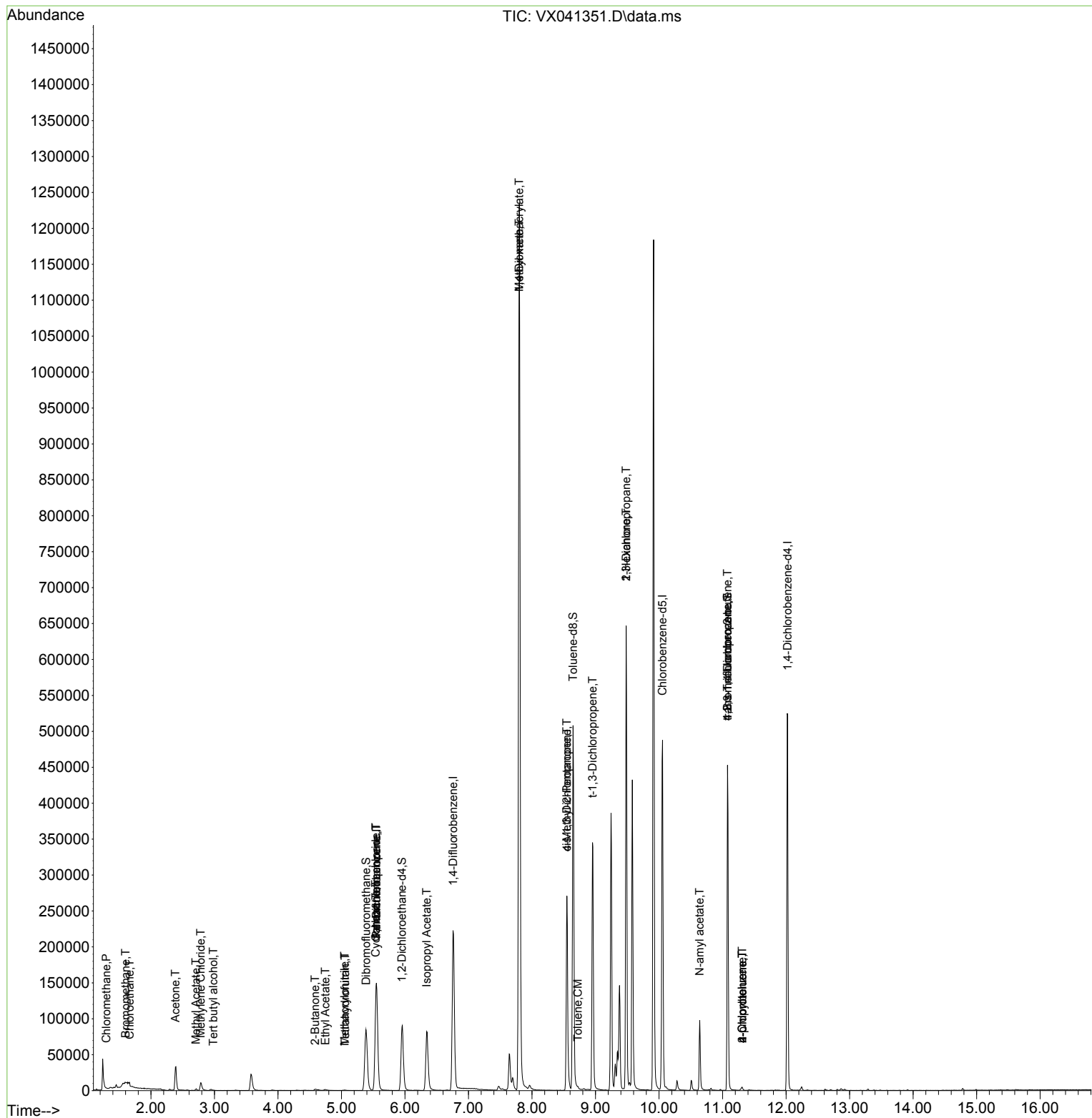
Compound	R.T.	T. QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	161453	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	240896	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89647	51.004	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.000%	
35) Dibromofluoromethane	5.385	113	72567	44.452	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 88.900%	
50) Toluene-d8	8.647	98	300170	58.094	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 116.180%#	
62) 4-Bromofluorobenzene	11.079	95	111163	55.577	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.160%	
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	342	0.249	ug/l	# 43
5) Bromomethane	1.599	94	385	0.469	ug/l	# 53
6) Chloroethane	1.666	64	1100	1.810	ug/l	92
11) Tert butyl alcohol	2.983	59	579	1.646	ug/l	# 78
16) Acetone	2.386	43	39612	48.018	ug/l	94
18) Methyl Acetate	2.709	43	2736	1.521	ug/l	99
20) Methylene Chloride	2.782	84	5700	3.736	ug/l	97
25) 2-Butanone	4.586	43	4423	3.888	ug/l	97
29) Tetrahydrofuran	5.056	42	598	0.804	ug/l	# 66
31) Cyclohexane	5.537	56	2862	1.349	ug/l	# 23
36) 1,1-Dichloropropene	5.550	75	9834	5.038	ug/l	# 52
37) Ethyl Acetate	4.745	43	2696	1.107	ug/l	# 74
38) Carbon Tetrachloride	5.544	117	13993	6.257	ug/l	# 16
41) Methacrylonitrile	5.050	41	266	0.212	ug/l	# 39
43) Isopropyl Acetate	6.342	43	116497	31.811	ug/l	99
48) Methyl methacrylate	7.799	41	110779	65.989	ug/l	# 48
49) 1,4-Dioxane	7.799	88	131	3.609	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	99356	45.214	ug/l	# 50
52) Toluene	8.720	92	767	0.208	ug/l	92
53) t-1,3-Dichloropropene	8.951	75	850	0.450	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	44788	21.360	ug/l	# 54
57) 1,3-Dichloropropane	9.482	76	5756	2.433	ug/l	# 42
59) 2-Hexanone	9.482	43	78336	44.581	ug/l	# 52
74) N-amyl acetate	10.640	43	24487	7.383	ug/l	# 52
76) 1,2,3-Trichloropropane	11.079	75	56501	27.877	ug/l	# 39
78) n-propylbenzene	11.311	91	2423	0.304	ug/l	96
79) 2-Chlorotoluene	11.311	91	2423	0.472	ug/l	# 42
81) trans-1,4-Dichloro-2-b...	11.079	75	56501	75.934	ug/l	# 5
82) 4-Chlorotoluene	11.311	91	2423	0.415	ug/l	# 46

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

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Sample : PB160645ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 03 01:38:17 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

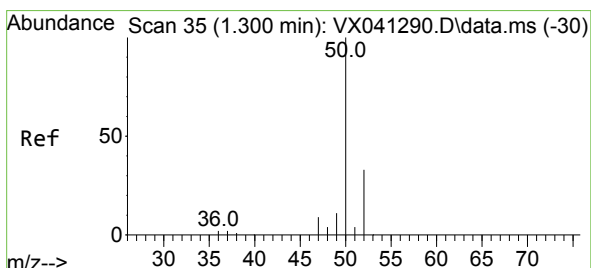
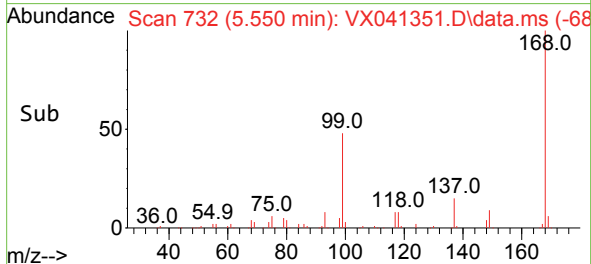
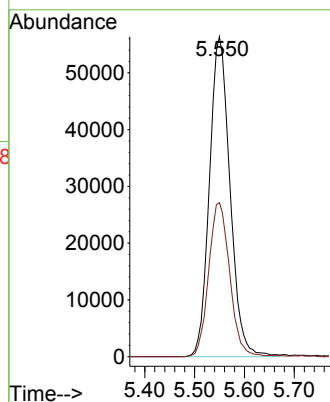
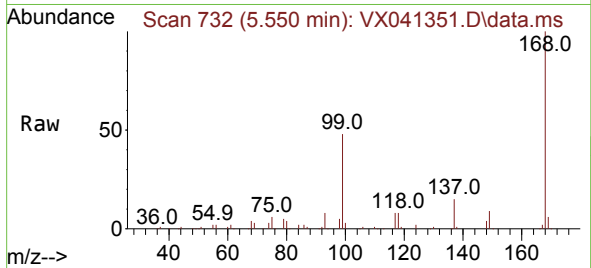




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

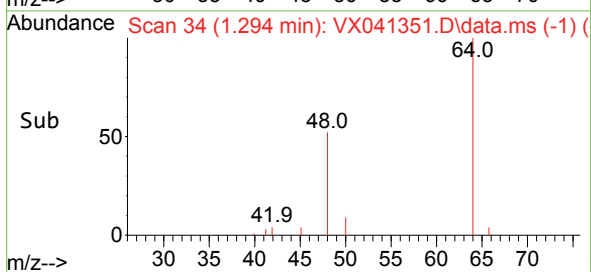
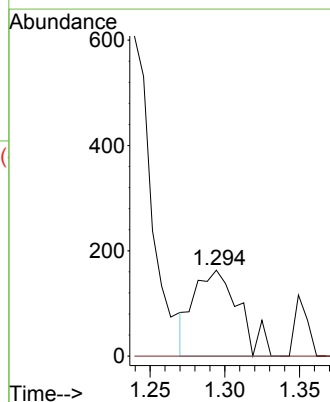
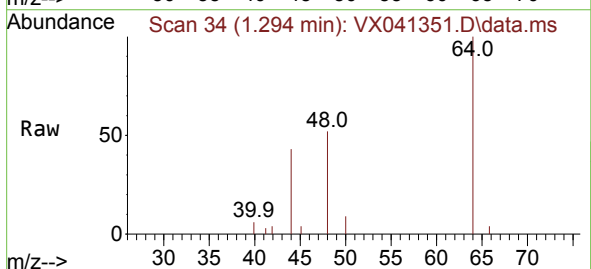
Instrument :
MSVOA_X
ClientSampleId :

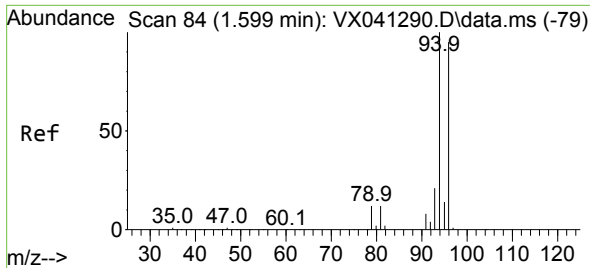
Tgt Ion:168 Resp: 161453
Ion Ratio Lower Upper
168 100
99 48.2 56.6 85.0#



#3
Chloromethane
Concen: 0.249 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

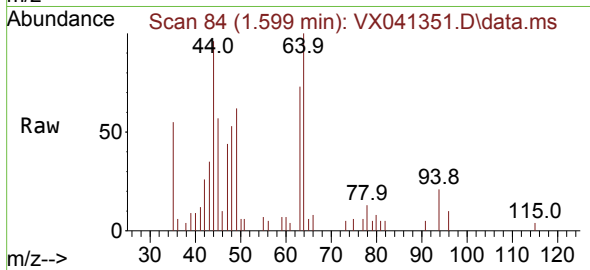
Tgt Ion: 50 Resp: 342
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



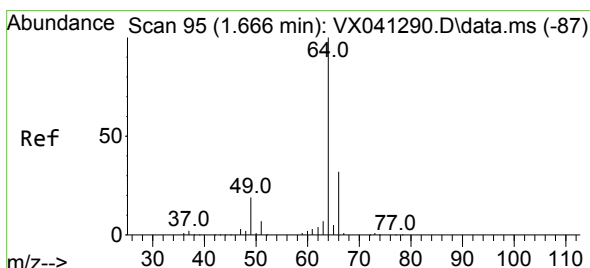
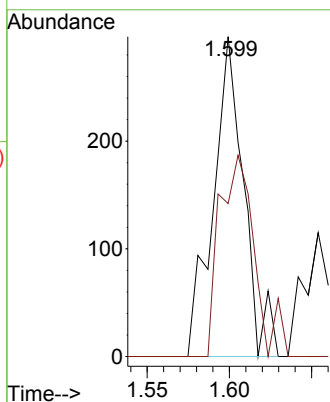
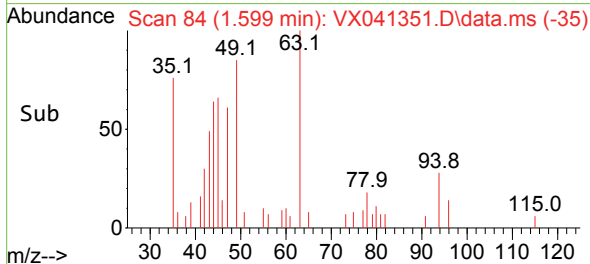


#5
Bromomethane
Concen: 0.469 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

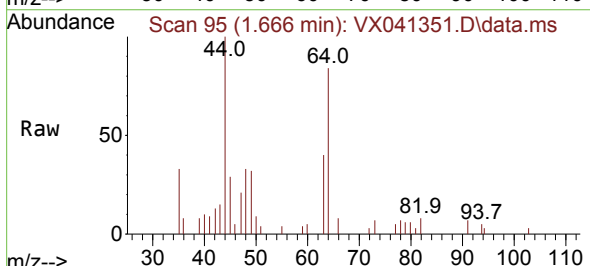
Instrument :
MSVOA_X
ClientSampleId :



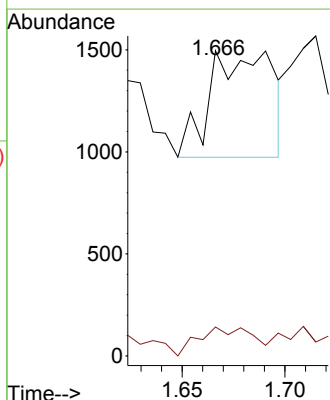
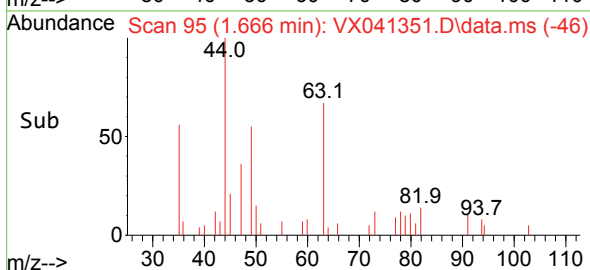
Tgt Ion: 94 Resp: 385
Ion Ratio Lower Upper
94 100
96 47.8 74.6 111.8#

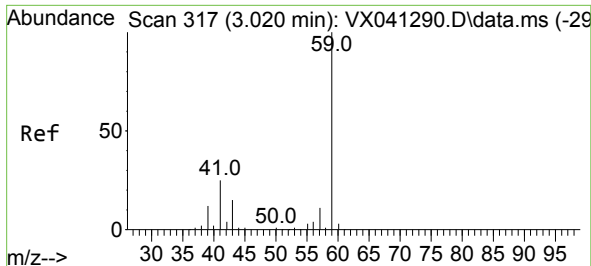


#6
Chloroethane
Concen: 1.810 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13



Tgt Ion: 64 Resp: 1100
Ion Ratio Lower Upper
64 100
66 27.2 25.1 37.7





#11

Tert butyl alcohol

Concen: 1.646 ug/l

RT: 2.983 min Scan# 31

Delta R.T. -0.037 min

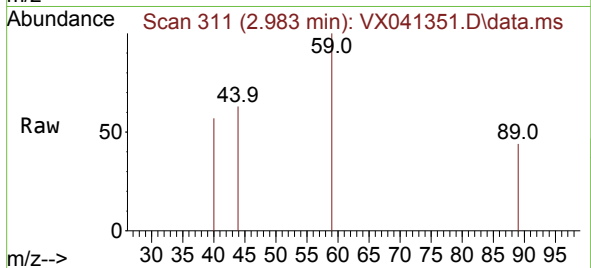
Lab File: VX041351.D

Acq: 02 May 2024 14:13

Instrument :

MSVOA_X

ClientSampleId :

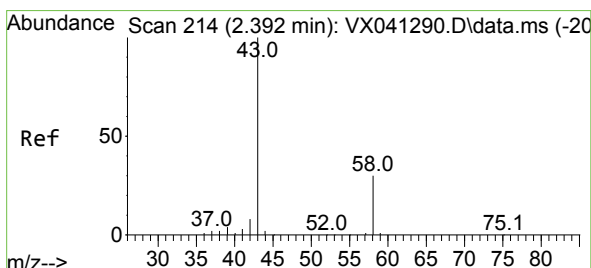
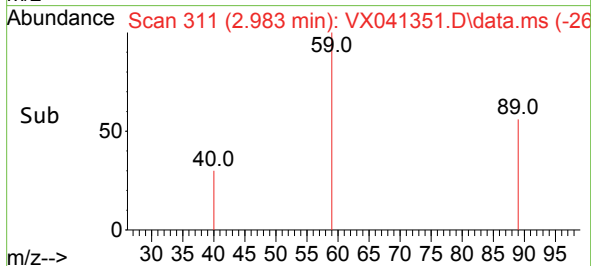
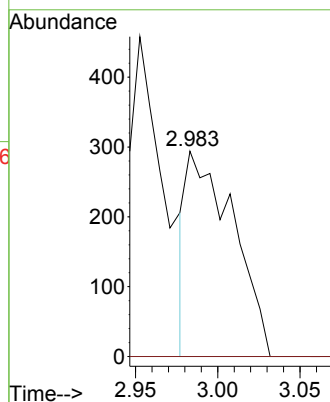


Tgt Ion: 59 Resp: 579

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 48.018 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX041351.D

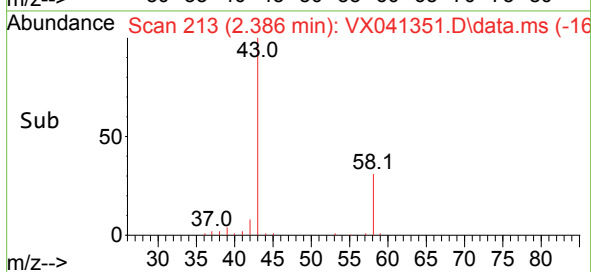
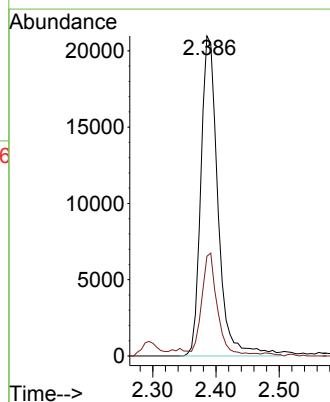
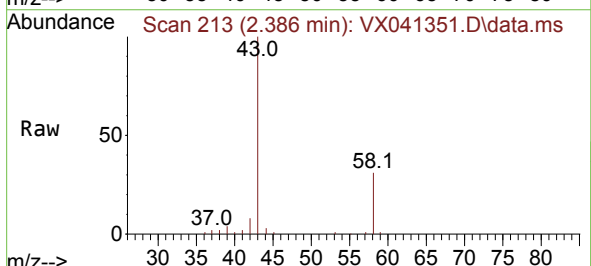
Acq: 02 May 2024 14:13

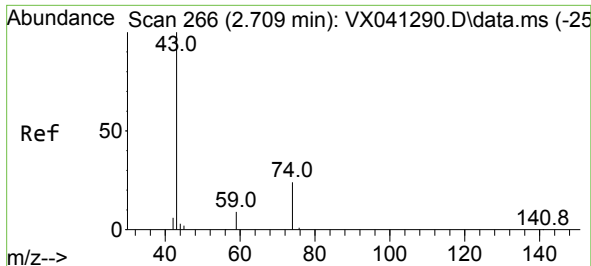
Tgt Ion: 43 Resp: 39612

Ion Ratio Lower Upper

43 100

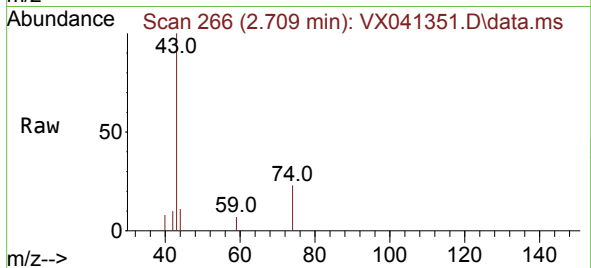
58 30.8 21.9 32.9



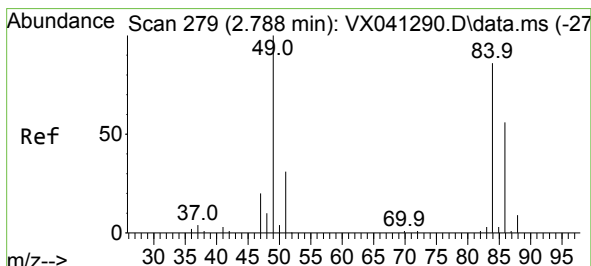
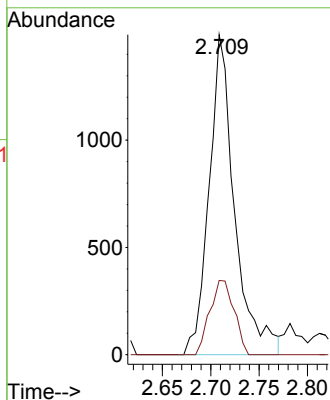
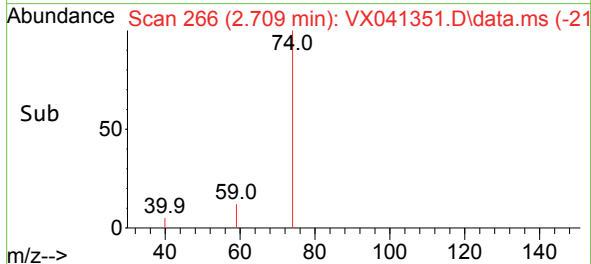


#18
Methyl Acetate
Concen: 1.521 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

Instrument :
MSVOA_X
ClientSampleId :

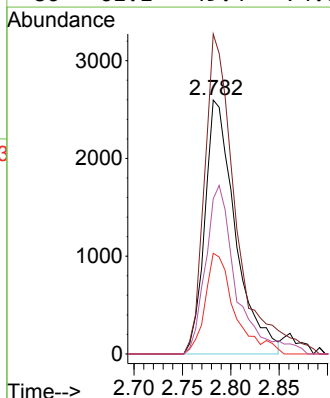
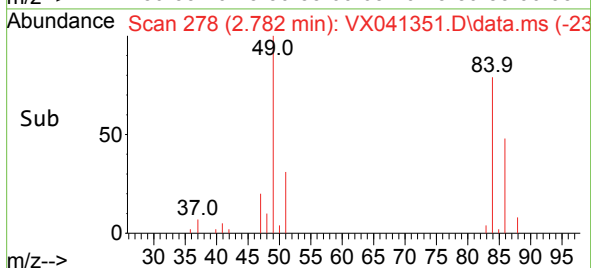
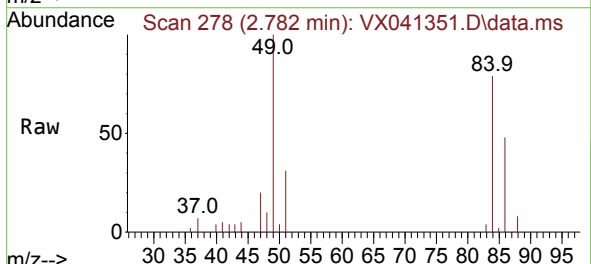


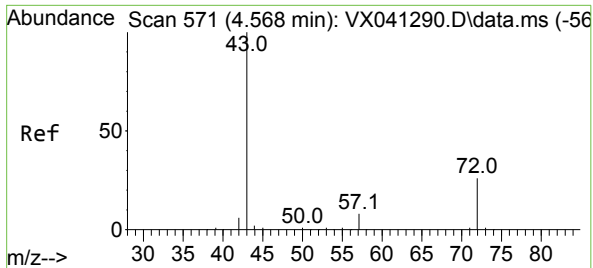
Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.8



#20
Methylene Chloride
Concen: 3.736 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

Tgt Ion: 84 Resp: 5700
Ion Ratio Lower Upper
84 100
49 126.0 103.6 155.4
51 39.6 33.8 50.6
86 61.1 49.4 74.0

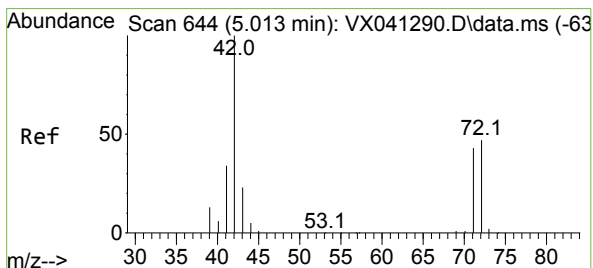
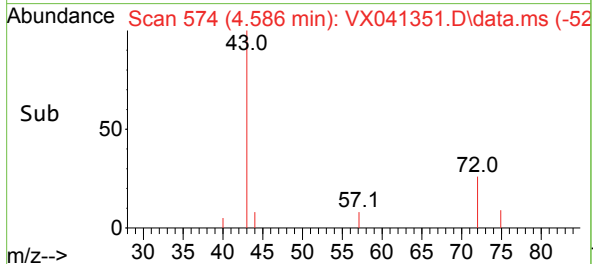
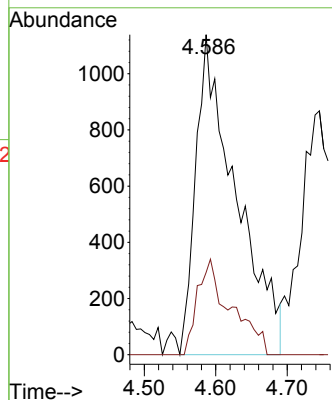
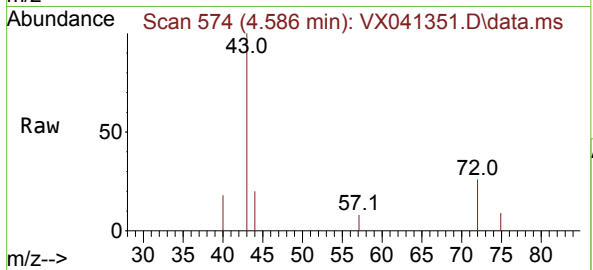




#25
2-Butanone
Concen: 3.888 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

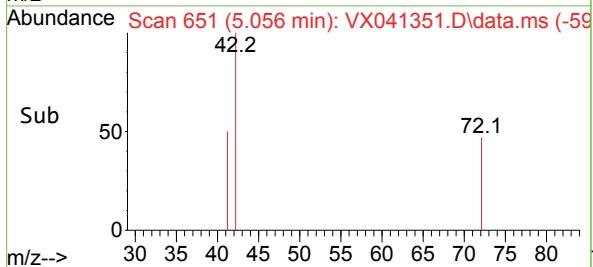
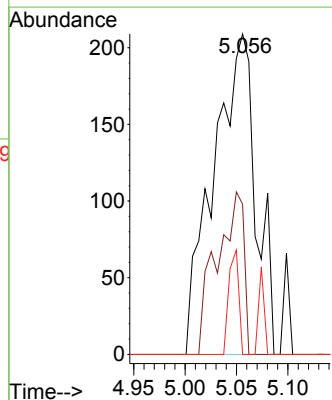
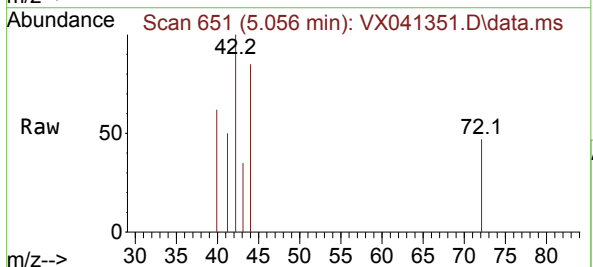
Instrument :
MSVOA_X
ClientSampleId :

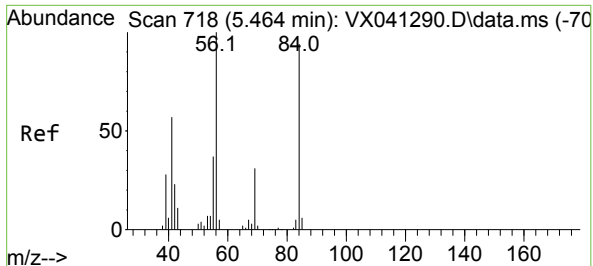
Tgt Ion: 43 Resp: 4423
Ion Ratio Lower Upper
43 100
72 25.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.804 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.043 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

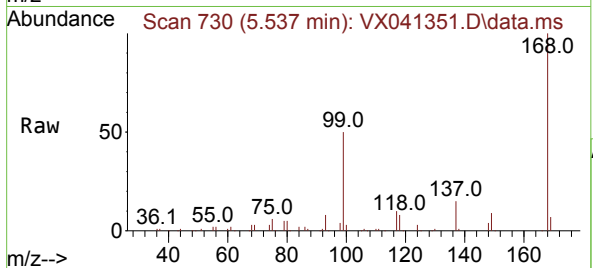
Tgt Ion: 42 Resp: 598
Ion Ratio Lower Upper
42 100
72 32.4 34.2 51.4#
71 7.5 32.2 48.2#



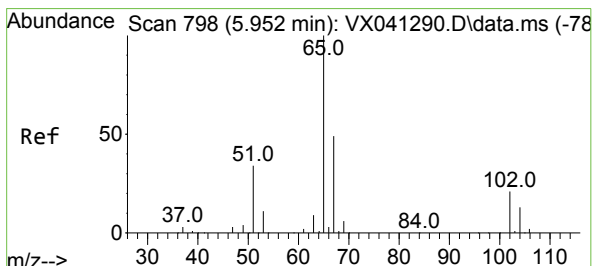
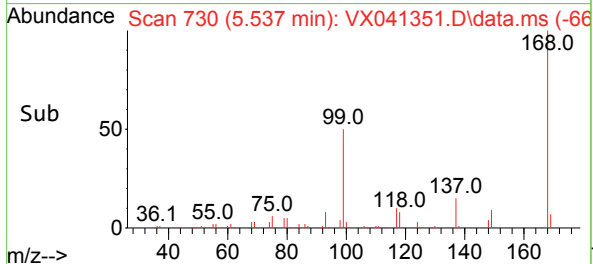
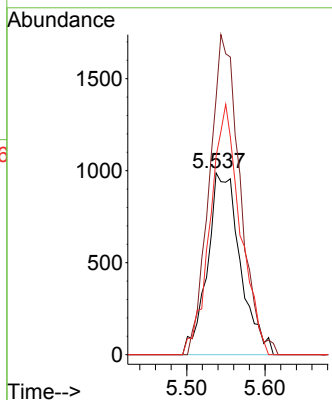


#31
Cyclohexane
Concen: 1.349 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

Instrument :
MSVOA_X
ClientSampleId :

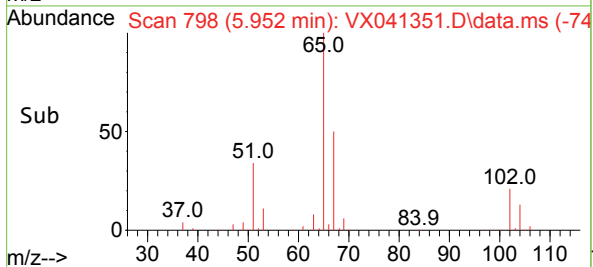
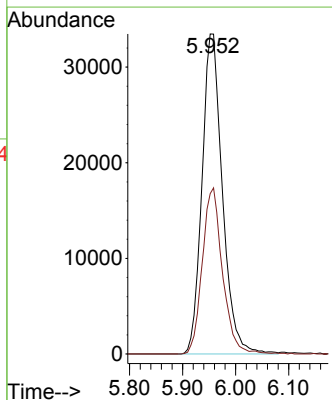
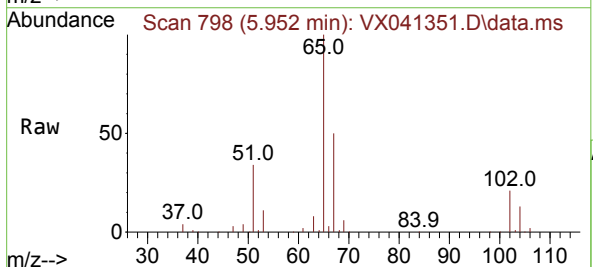


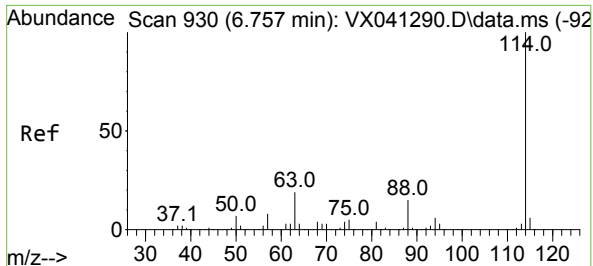
Tgt Ion: 56 Resp: 2862
Ion Ratio Lower Upper
56 100
69 141.3 23.4 35.2#
84 109.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 51.004 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

Tgt Ion: 65 Resp: 89647
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

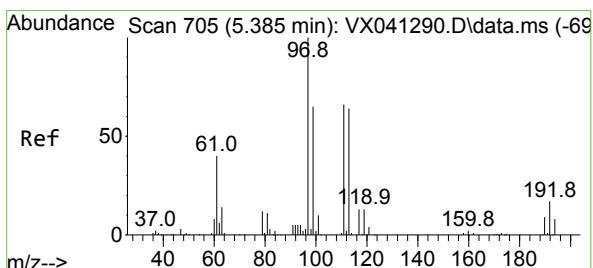
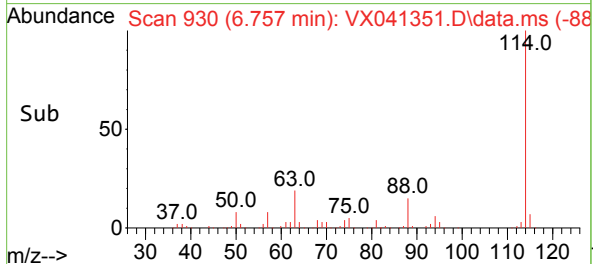
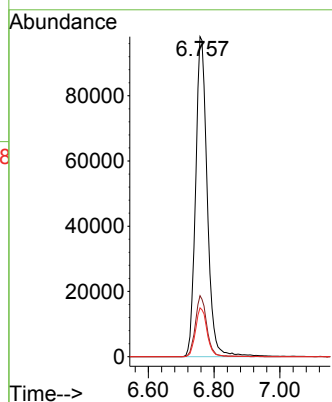
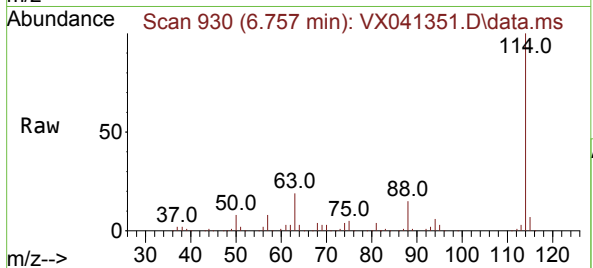




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

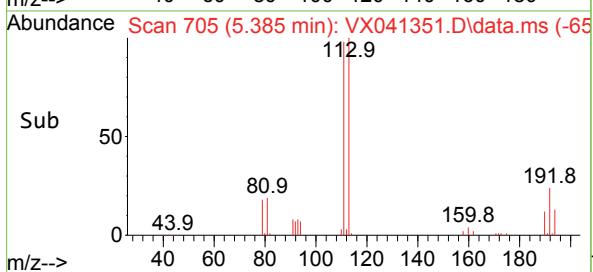
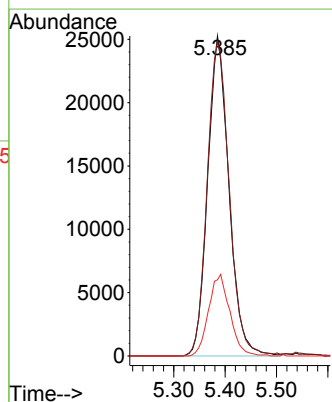
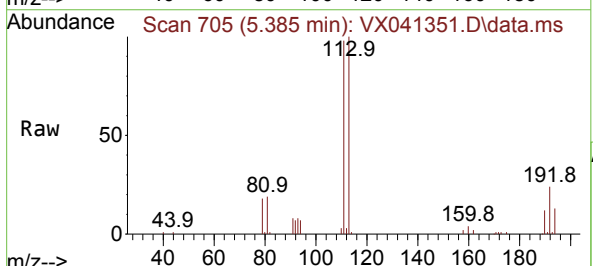
Instrument :
MSVOA_X
ClientSampleId :

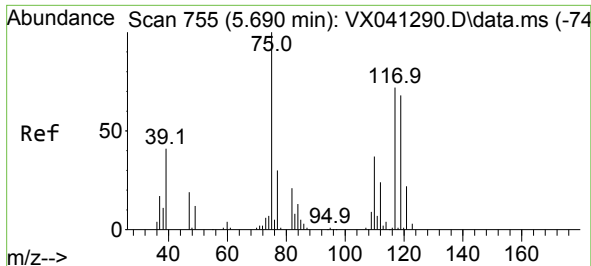
Tgt Ion:114 Resp: 240896
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.452 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

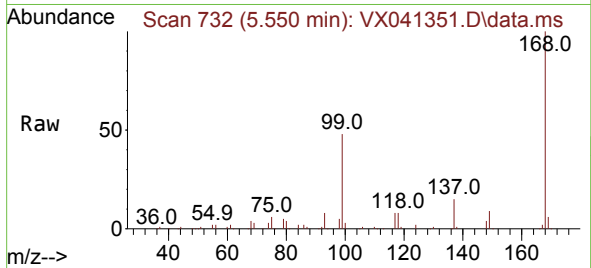
Tgt Ion:113 Resp: 72567
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 25.6 13.3 19.9#



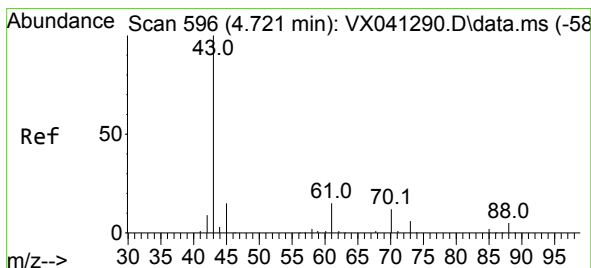
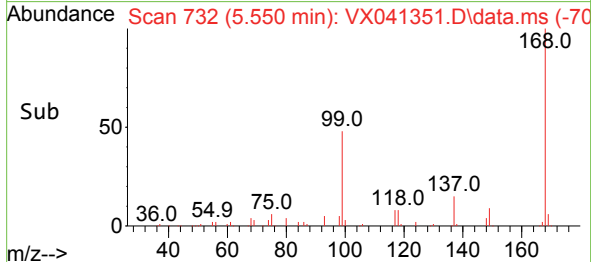
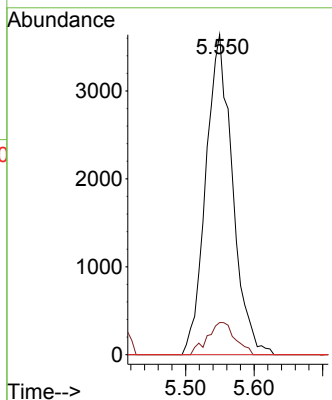


#36
1,1-Dichloropropene
Concen: 5.038 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

Instrument :
MSVOA_X
ClientSampleId :

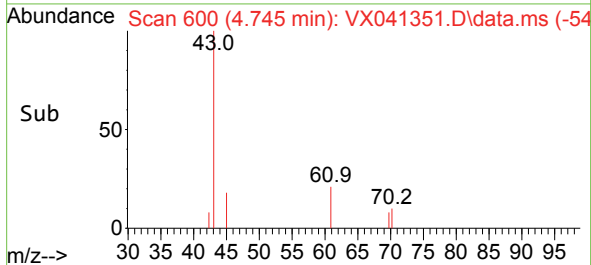
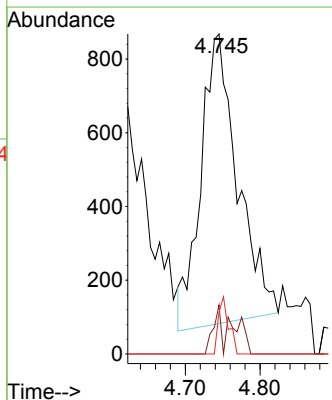
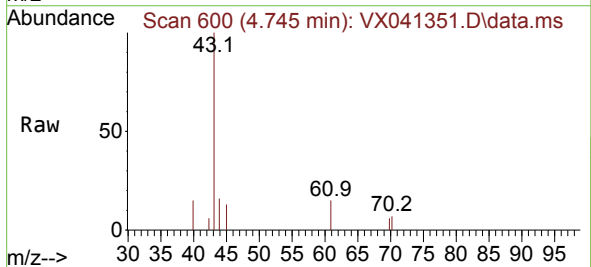


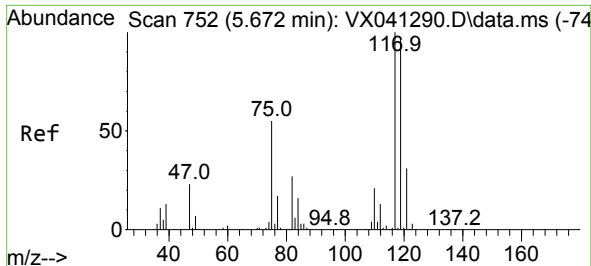
Tgt Ion: 75 Resp: 9834
Ion Ratio Lower Upper
75 100
110 10.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.107 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.024 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

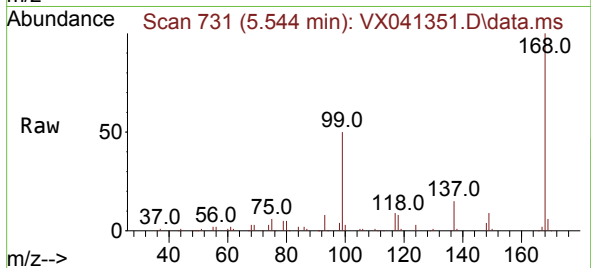
Tgt Ion: 43 Resp: 2696
Ion Ratio Lower Upper
43 100
61 3.5 10.6 16.0#
70 0.0 8.3 12.5#



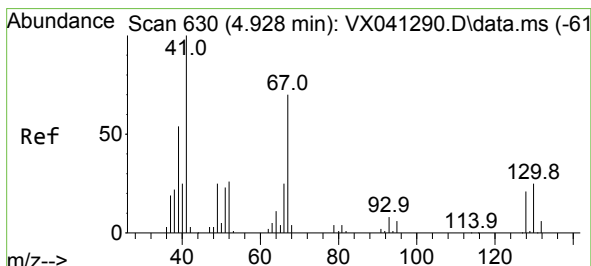
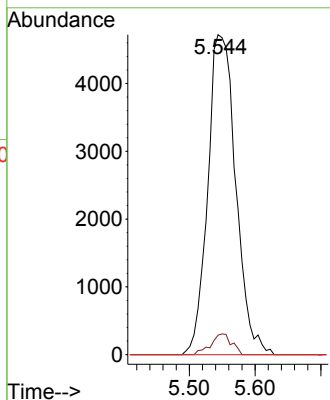
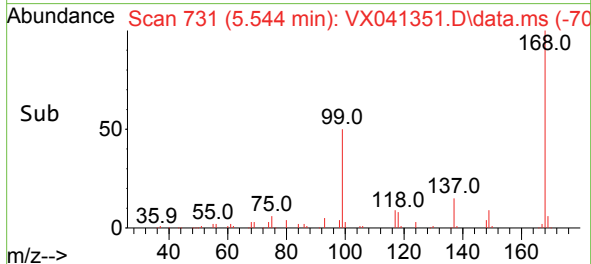


#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

Instrument :
MSVOA_X
ClientSampleId :

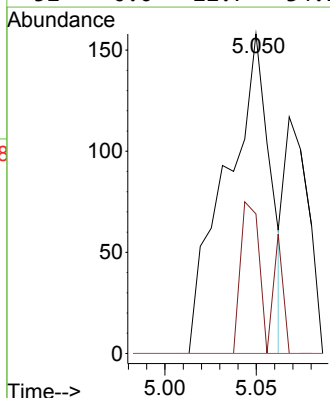
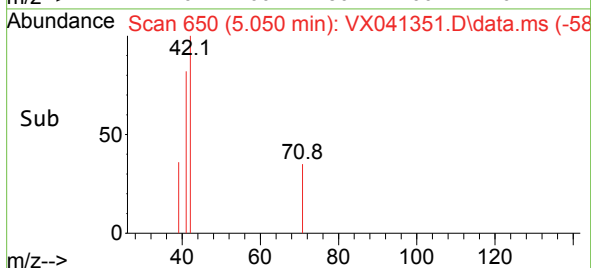
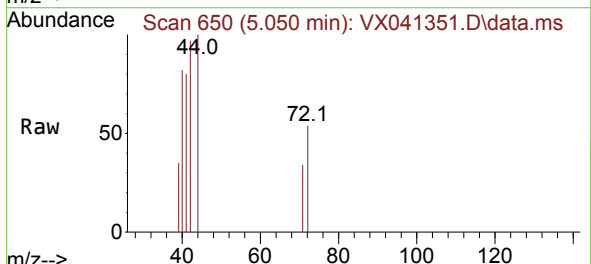


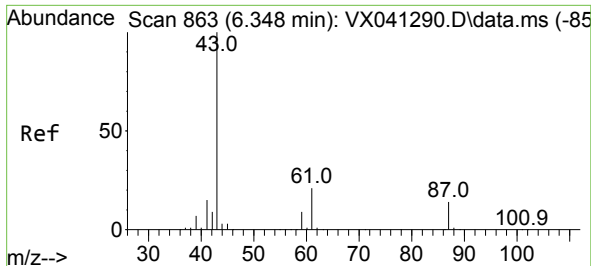
Tgt Ion:117 Resp: 13993
Ion Ratio Lower Upper
117 100
119 6.1 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.122 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

Tgt Ion: 41 Resp: 266
Ion Ratio Lower Upper
41 100
39 27.8 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#





#43

Isopropyl Acetate

Concen: 31.811 ug/l

RT: 6.342 min Scan# 8

Delta R.T. -0.006 min

Lab File: VX041351.D

Acq: 02 May 2024 14:13

Instrument :

MSVOA_X

ClientSampleId :

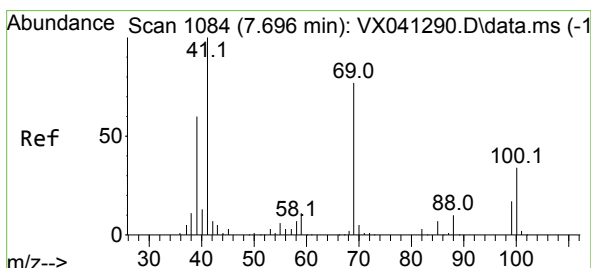
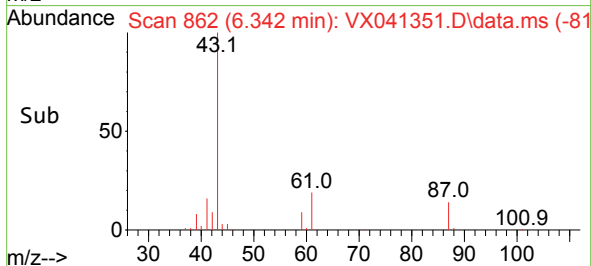
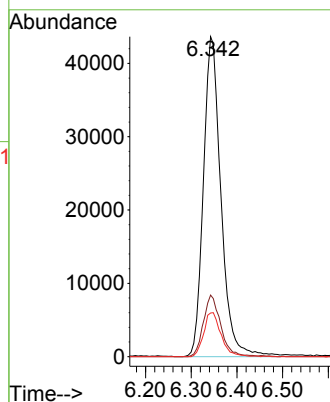
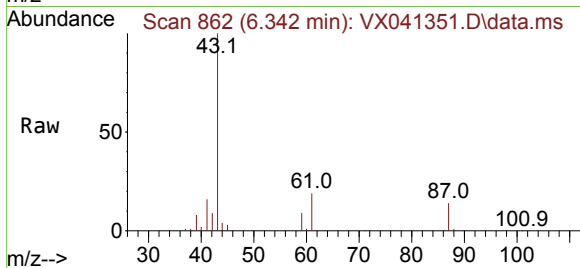
Tgt Ion: 43 Resp: 116497

Ion Ratio Lower Upper

43 100

61 19.0 15.2 22.8

87 13.6 9.8 14.6



#48

Methyl methacrylate

Concen: 65.989 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX041351.D

Acq: 02 May 2024 14:13

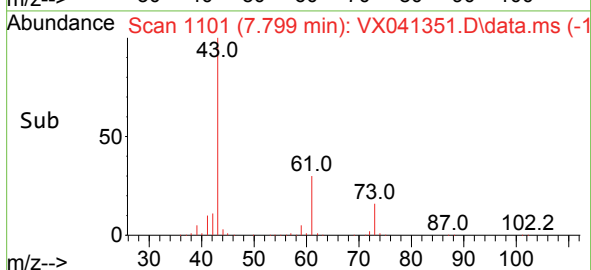
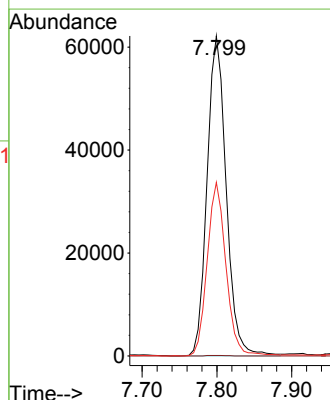
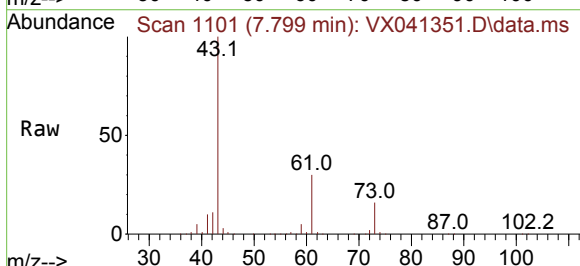
Tgt Ion: 41 Resp: 110779

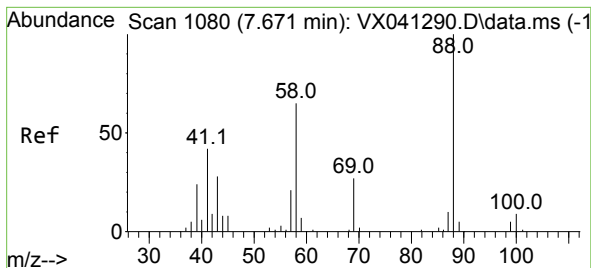
Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 53.7 47.7 71.5





#49

1,4-Dioxane

Concen: 3.609 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX041351.D

Acq: 02 May 2024 14:13

Instrument :

MSVOA_X

ClientSampleId :

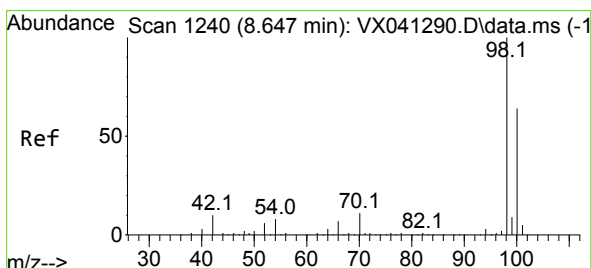
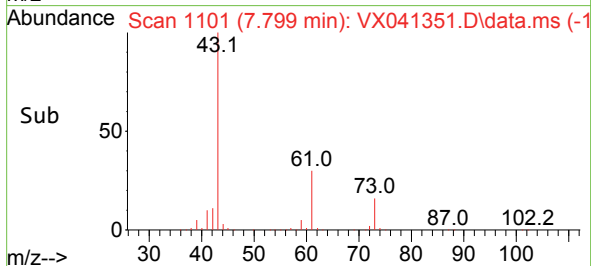
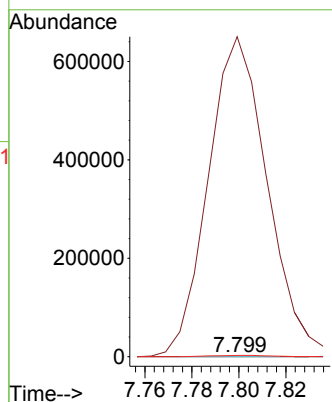
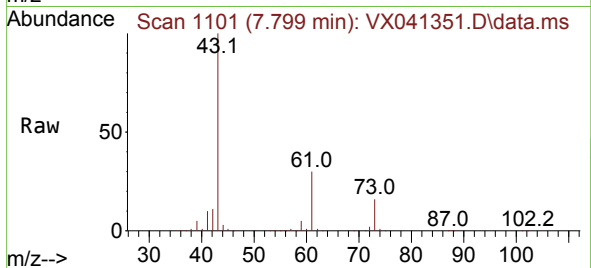
Tgt Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

43 886295.4 0.0 0.0#

58 3715.3 60.1 90.1#



#50

Toluene-d8

Concen: 58.094 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041351.D

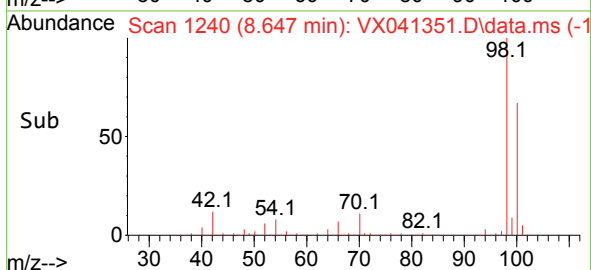
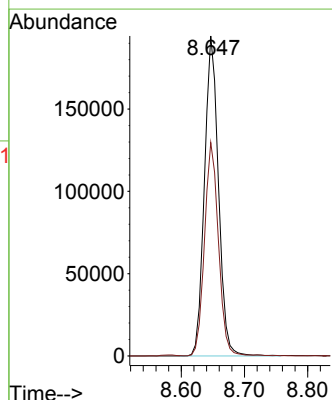
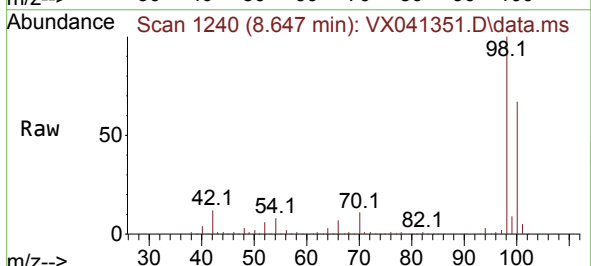
Acq: 02 May 2024 14:13

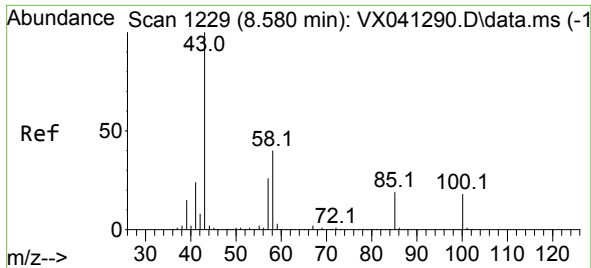
Tgt Ion: 98 Resp: 300170

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7

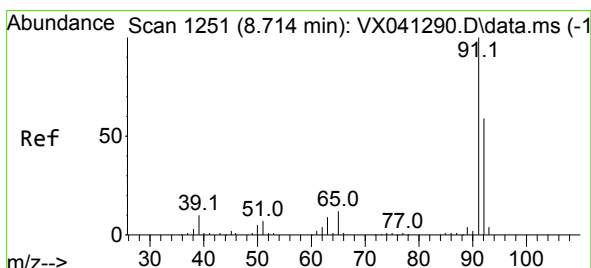
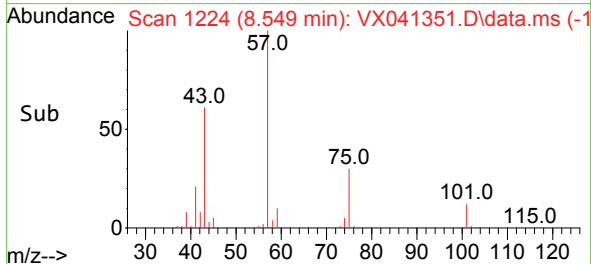
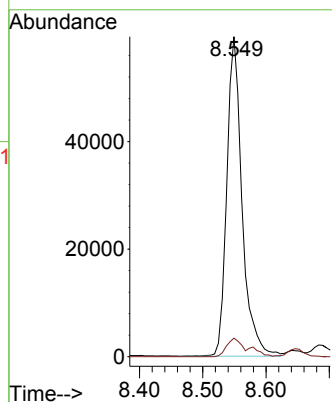
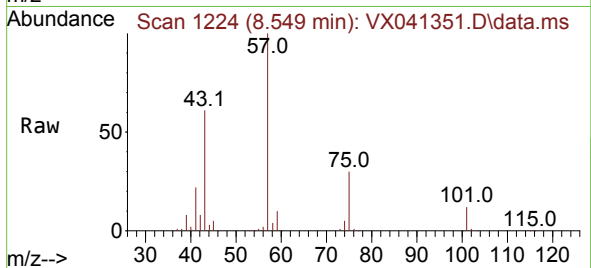




#51
4-Methyl-2-Pentanone
Concen: 45.214 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

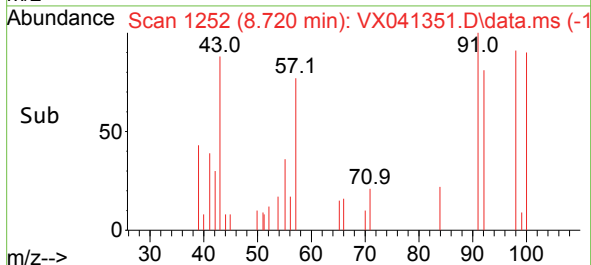
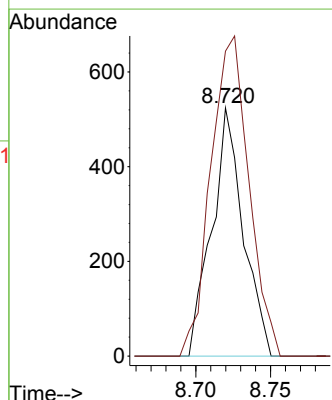
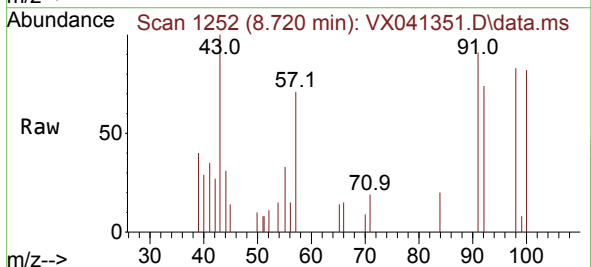
Instrument :
MSVOA_X
ClientSampleId :

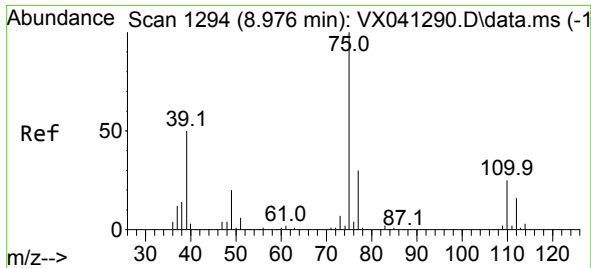
Tgt Ion: 43 Resp: 99356
Ion Ratio Lower Upper
43 100
58 7.9 30.4 45.6#



#52
Toluene
Concen: 0.208 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

Tgt Ion: 92 Resp: 767
Ion Ratio Lower Upper
92 100
91 156.3 134.2 201.2

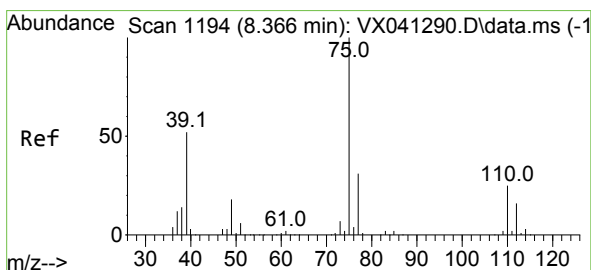
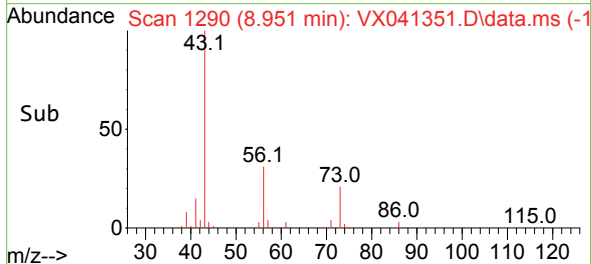
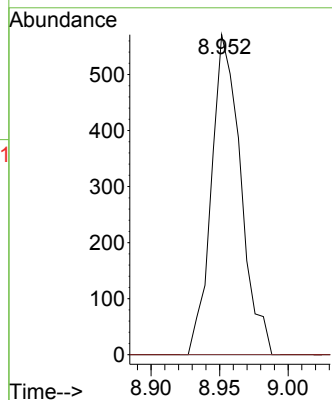
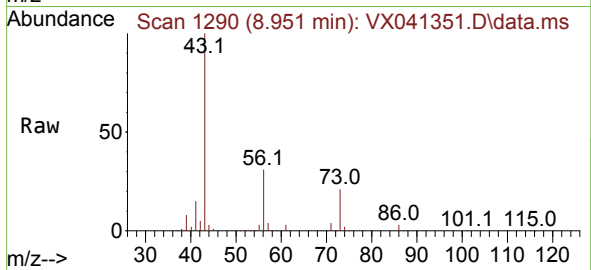




#53
 t-1,3-Dichloropropene
 Concen: 0.450 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX041351.D
 Acq: 02 May 2024 14:13

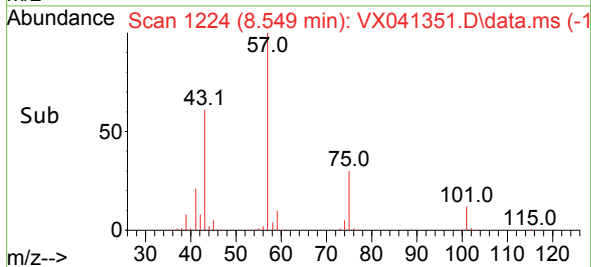
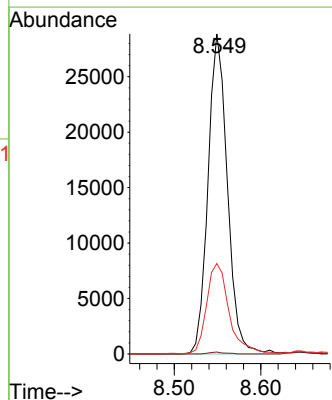
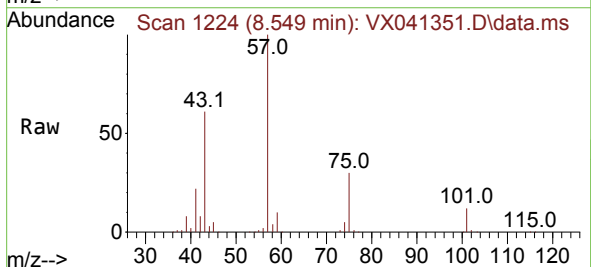
Instrument :
 MSVOA_X
 ClientSampleId :

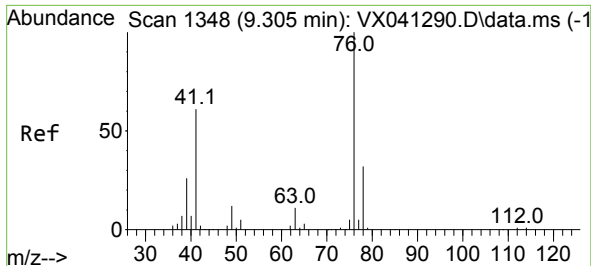
Tgt Ion: 75 Resp: 850
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 21.360 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041351.D
 Acq: 02 May 2024 14:13

Tgt Ion: 75 Resp: 44788
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 28.3 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.433 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX041351.D

Acq: 02 May 2024 14:13

Instrument :

MSVOA_X

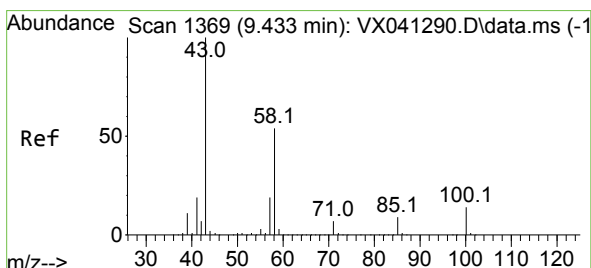
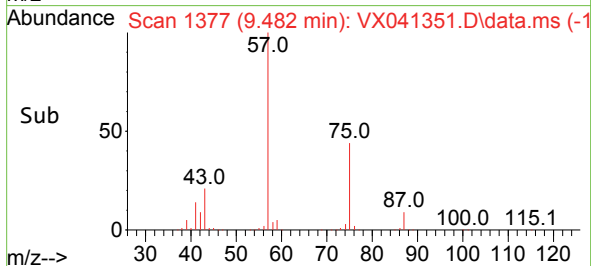
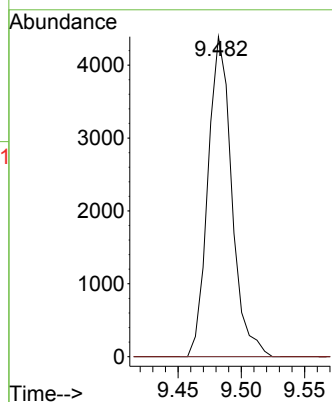
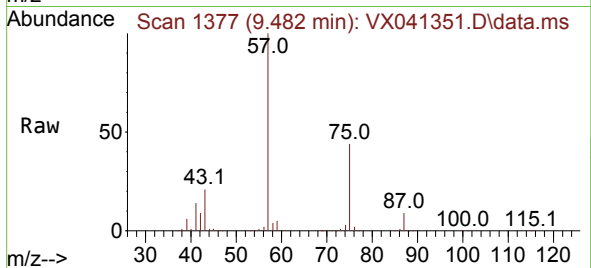
ClientSampleId :

Tgt Ion: 76 Resp: 5756

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.581 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041351.D

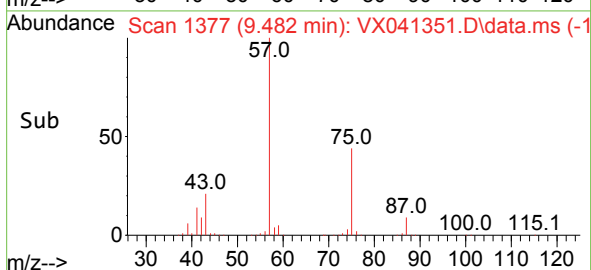
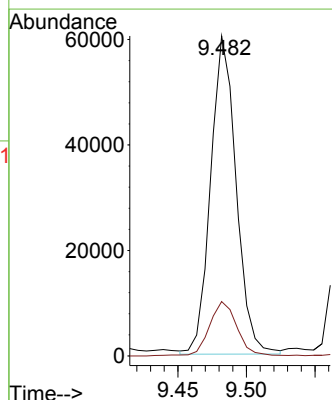
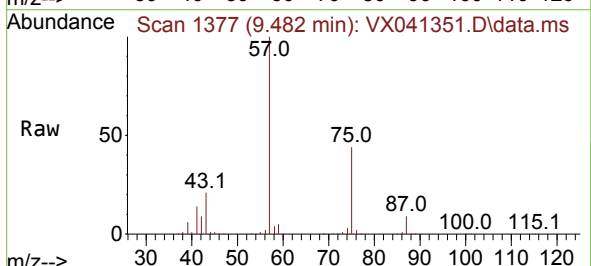
Acq: 02 May 2024 14:13

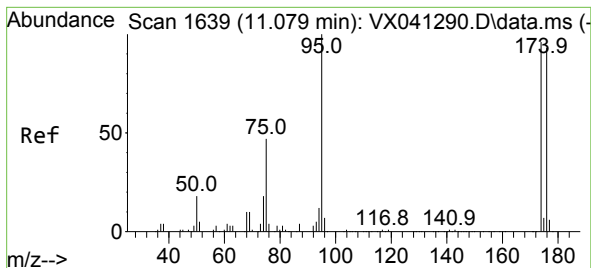
Tgt Ion: 43 Resp: 78336

Ion Ratio Lower Upper

43 100

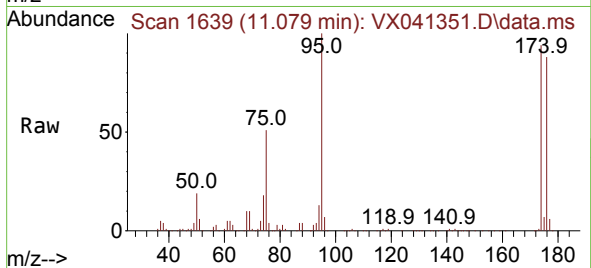
58 18.5 26.2 78.5#



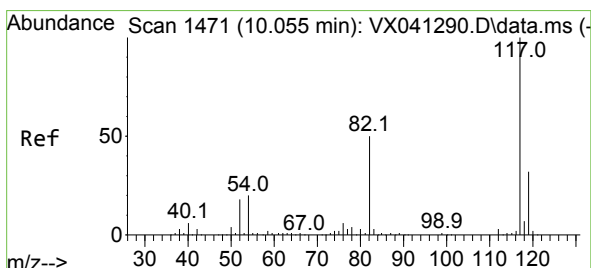
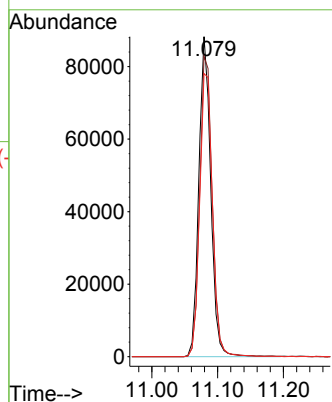
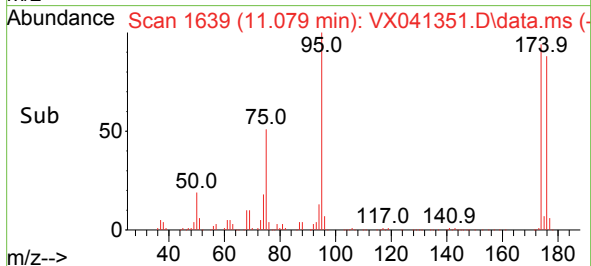


#62
4-Bromofluorobenzene
Concen: 55.577 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

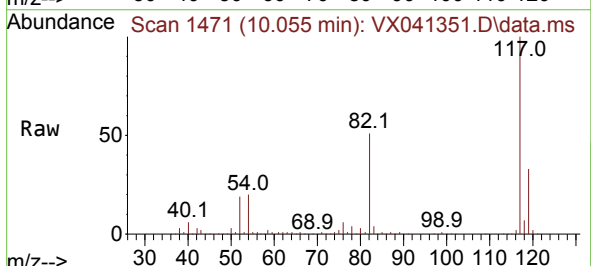
Instrument :
MSVOA_X
ClientSampleId :



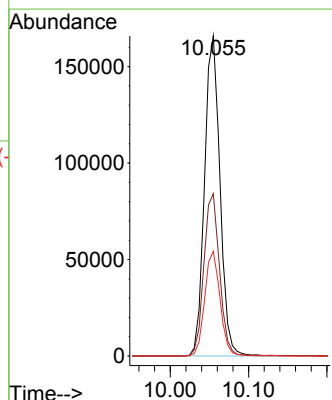
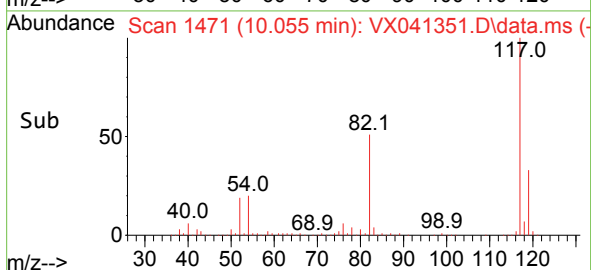
Tgt Ion: 95 Resp: 111163
Ion Ratio Lower Upper
95 100
174 98.8 0.0 135.6
176 95.4 0.0 131.0

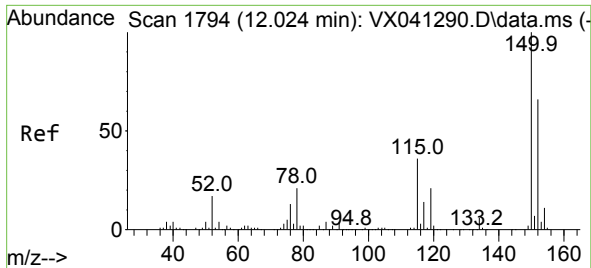


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13



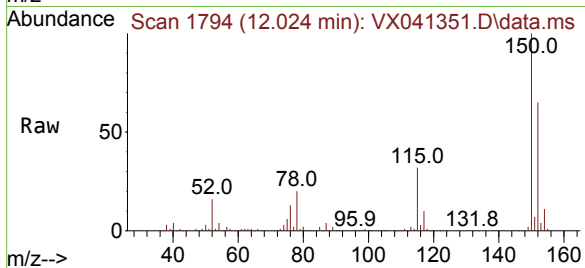
Tgt Ion: 117 Resp: 226887
Ion Ratio Lower Upper
117 100
82 50.7 46.2 69.4
119 32.7 25.5 38.3



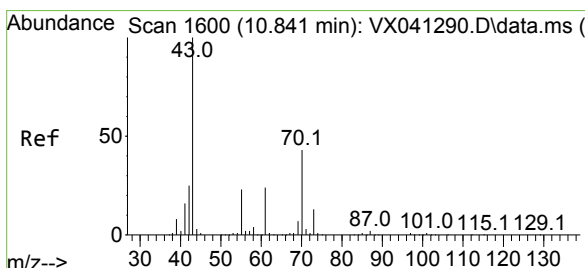
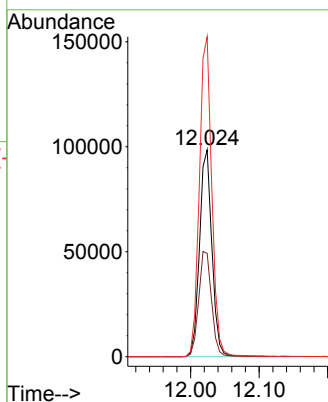
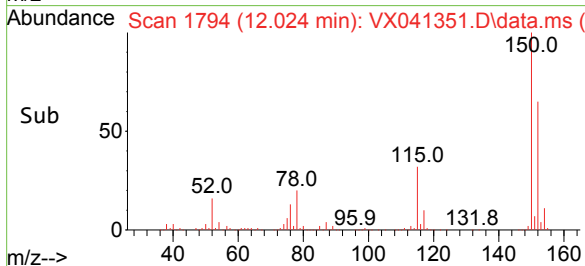


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX041351.D
 Acq: 02 May 2024 14:13

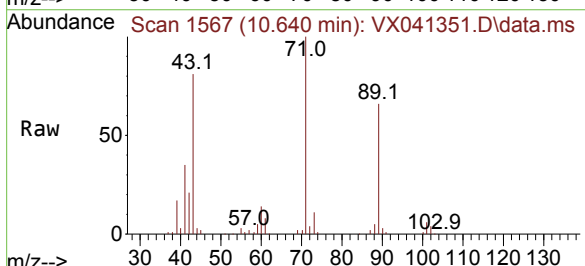
Instrument :
 MSVOA_X
 ClientSampleId :



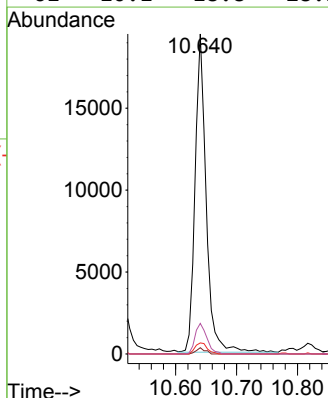
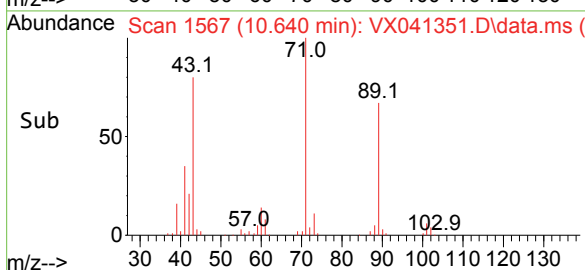
Tgt Ion:152 Resp: 124367
 Ion Ratio Lower Upper
 152 100
 115 52.9 43.3 129.9
 150 155.2 0.0 345.0

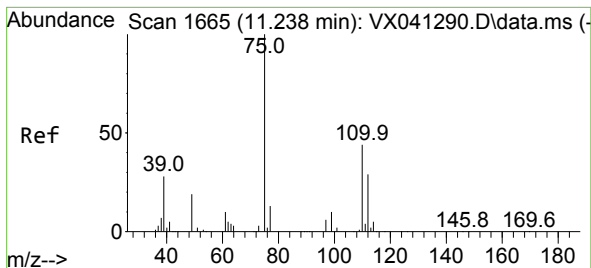


#74
 N-ethyl acetate
 Concen: 7.383 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX041351.D
 Acq: 02 May 2024 14:13



Tgt Ion: 43 Resp: 24487
 Ion Ratio Lower Upper
 43 100
 70 1.6 32.9 49.3#
 55 3.8 19.3 28.9#
 61 10.1 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 27.877 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041351.D

Acq: 02 May 2024 14:13

Instrument :

MSVOA_X

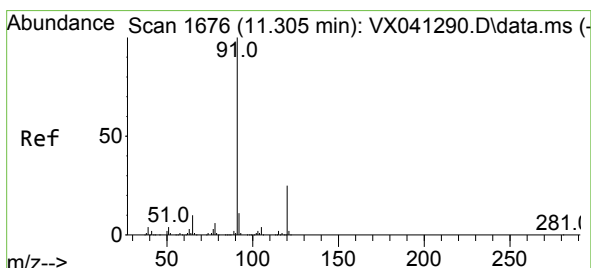
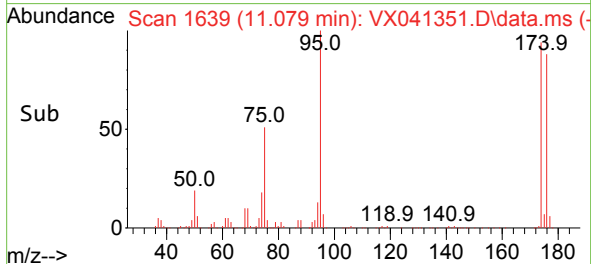
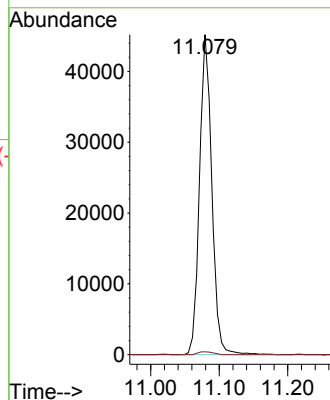
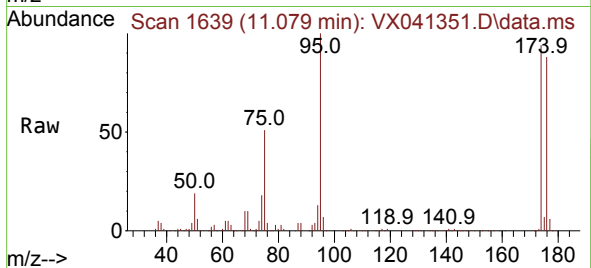
ClientSampleId :

Tgt Ion: 75 Resp: 56501

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#78

n-propylbenzene

Concen: 0.304 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX041351.D

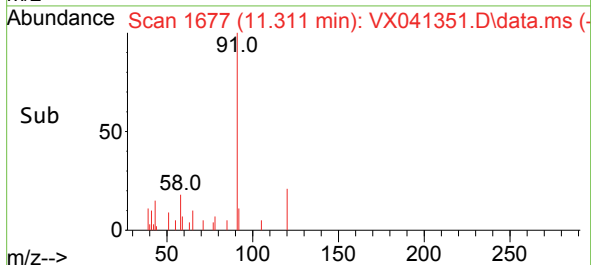
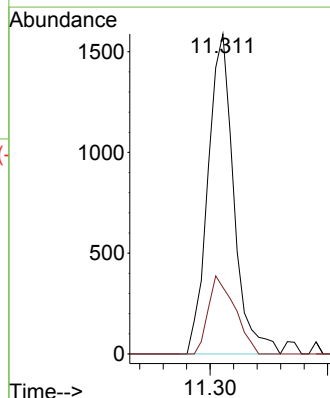
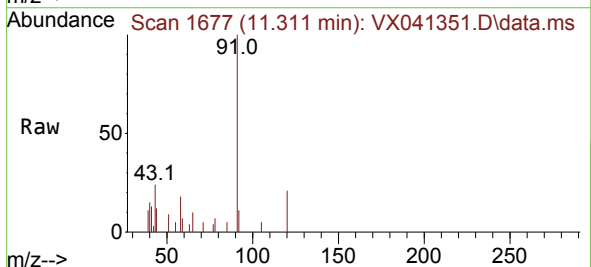
Acq: 02 May 2024 14:13

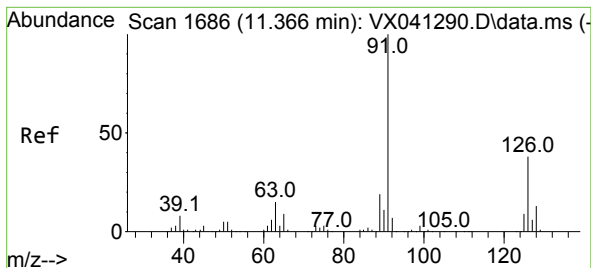
Tgt Ion: 91 Resp: 2423

Ion Ratio Lower Upper

91 100

120 25.0 11.5 34.4

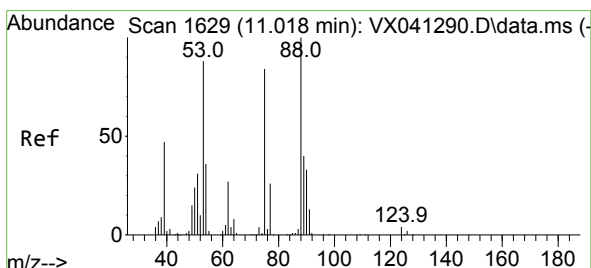
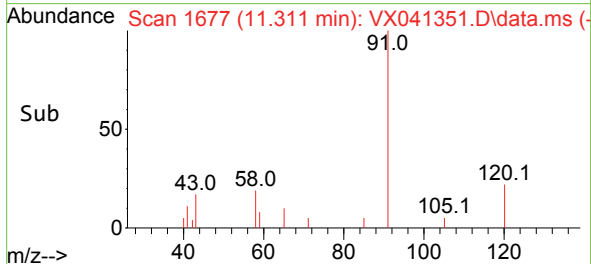
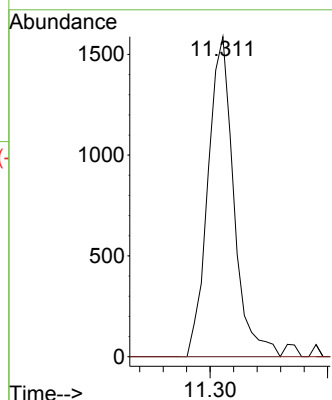
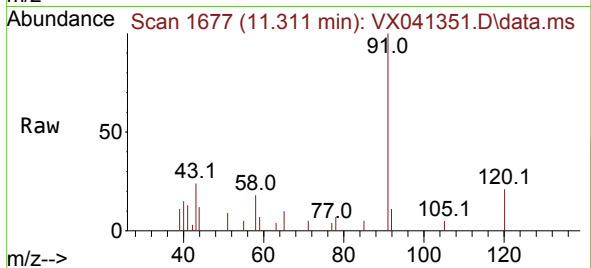




#79
2-Chlorotoluene
Concen: 0.472 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

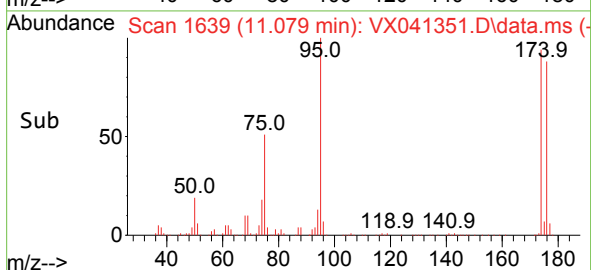
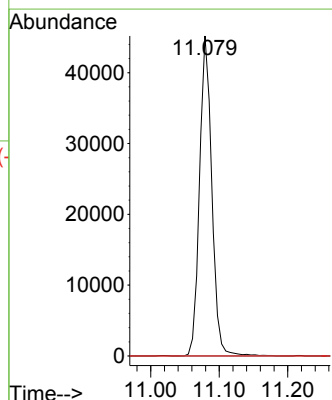
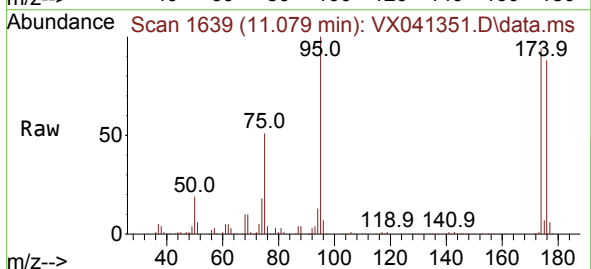
Instrument :
MSVOA_X
ClientSampleId :

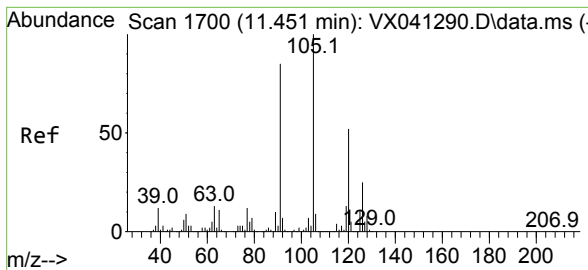
Tgt Ion: 91 Resp: 2423
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.934 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041351.D
Acq: 02 May 2024 14:13

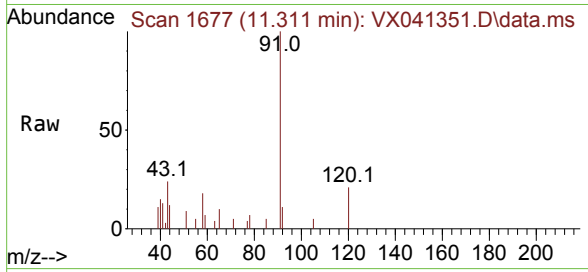
Tgt Ion: 75 Resp: 56501
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#82
 4-Chlorotoluene
 Concen: 0.415 ug/l
 RT: 11.311 min Scan# 1677
 Delta R.T. -0.140 min
 Lab File: VX041351.D
 Acq: 02 May 2024 14:13

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 91 Resp: 2423
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.2 42.6#

