

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080724\
 Data File : VX042895.D
 Acq On : 07 Aug 2024 02:53
 Operator : JC/MD
 Sample : P3448-12RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 07 06:33:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

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

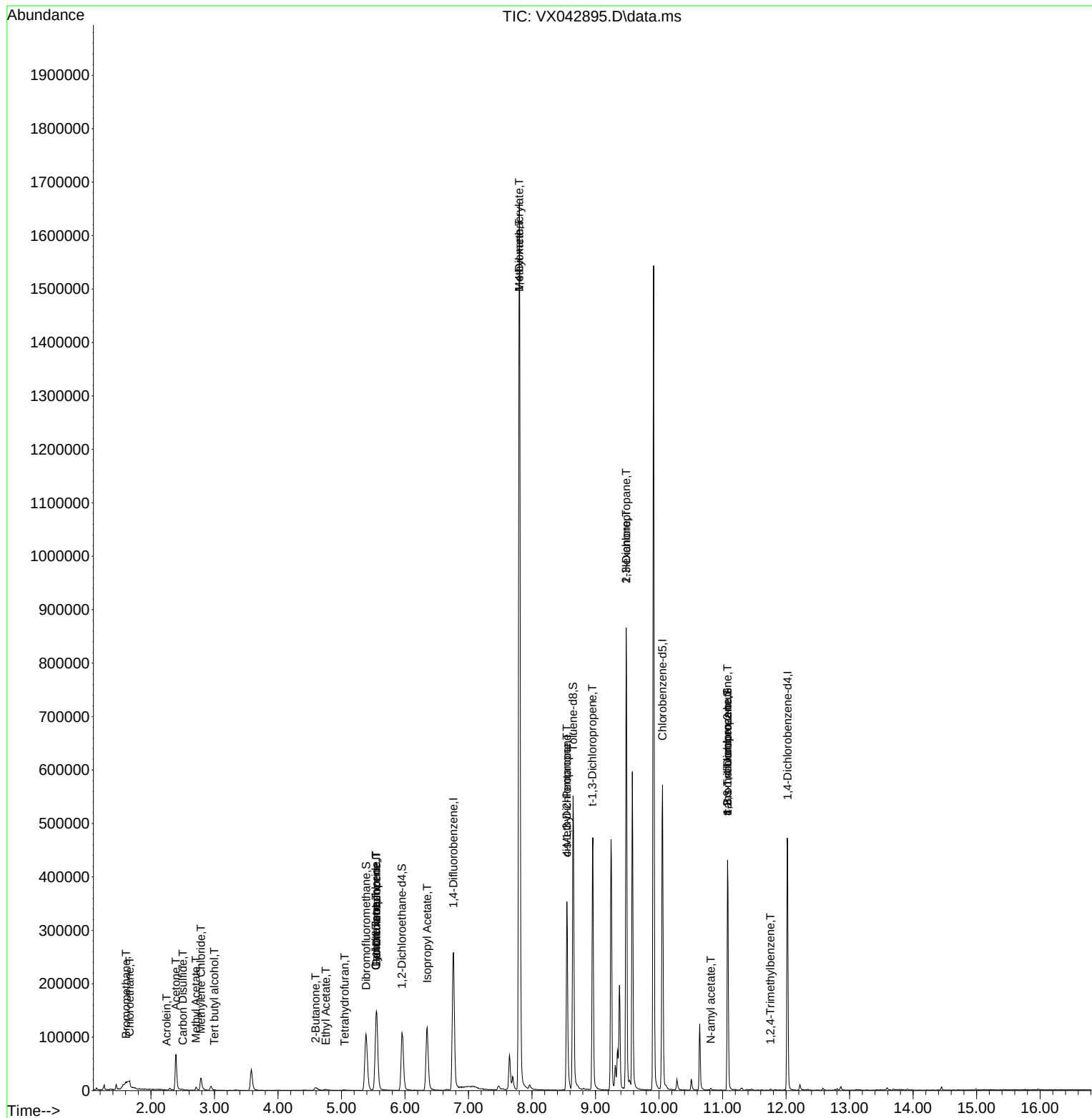
Internal Standards						
1) Pentafluorobenzene	5.550	168	144555	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	277542	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	111474	56.174	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 112.340%		
35) Dibromofluoromethane	5.385	113	93899	51.743	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.480%		
50) Toluene-d8	8.647	98	335778	52.121	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 104.240%		
62) 4-Bromofluorobenzene	11.079	95	116569	50.354	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 100.700%		
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	563	0.578	ug/l	# 62
6) Chloroethane	1.666	64	187	0.204	ug/l	# 1
11) Tert butyl alcohol	2.995	59	1069	2.708	ug/l	97
13) Acrolein	2.245	56	120	0.308	ug/l	# 20
16) Acetone	2.392	43	83656	97.191	ug/l	93
17) Carbon Disulfide	2.502	76	783	0.202	ug/l	# 76
18) Methyl Acetate	2.709	43	6784	2.485	ug/l	93
20) Methylene Chloride	2.788	84	12972	6.425	ug/l	98
25) 2-Butanone	4.593	43	10722	7.932	ug/l	97
29) Tetrahydrofuran	5.050	42	782	0.856	ug/l	# 76
31) Cyclohexane	5.544	56	2835	1.142	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	11128	4.523	ug/l	# 50
37) Ethyl Acetate	4.751	43	4205	1.366	ug/l	# 77
38) Carbon Tetrachloride	5.544	117	15319	5.516	ug/l	# 17
43) Isopropyl Acetate	6.348	43	162652	35.727	ug/l	97
48) Methyl methacrylate	7.799	41	145989	66.875	ug/l	# 47
49) 1,4-Dioxane	7.799	88	291	6.005	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	123625	40.539	ug/l	# 52
53) t-1,3-Dichloropropene	8.952	75	1092	0.447	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	58584	21.714	ug/l	# 55
57) 1,3-Dichloropropane	9.482	76	8020	2.600	ug/l	# 42
59) 2-Hexanone	9.482	43	103861	43.953	ug/l	# 55
74) N-amyl acetate	10.817	43	1002	0.298	ug/l	# 46
76) 1,2,3-Trichloropropane	11.079	75	59470	25.578	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	59470	83.168	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	1357	0.218	ug/l	96

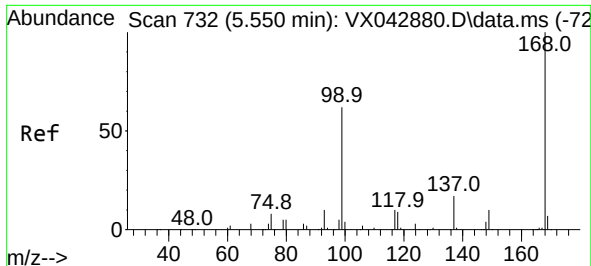
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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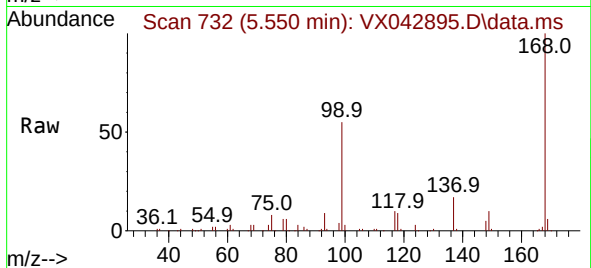
Quant Time: Aug 07 06:33:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 07 02:55:22 2024
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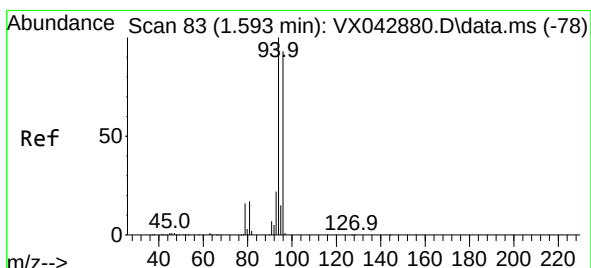
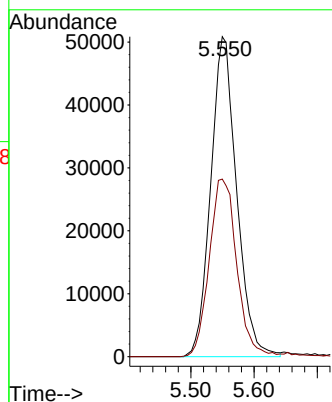
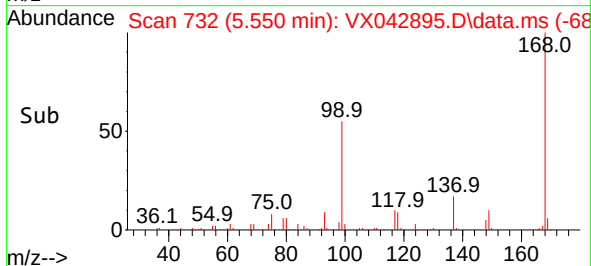


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Instrument :
MSVOA_X
ClientSampleId :

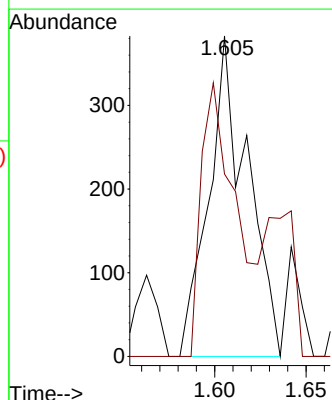
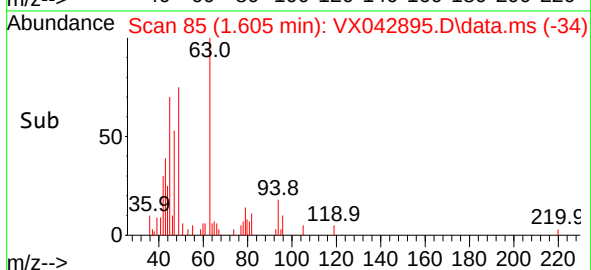
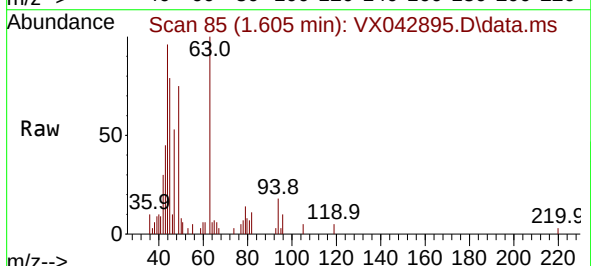


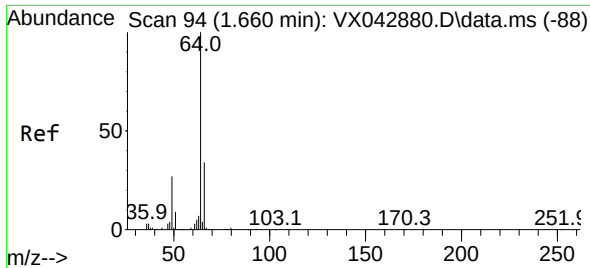
Tgt Ion:168 Resp: 144555
Ion Ratio Lower Upper
168 100
99 55.5 56.6 85.0#



#5
Bromomethane
Concen: 0.578 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Tgt Ion: 94 Resp: 563
Ion Ratio Lower Upper
94 100
96 56.9 74.6 111.8#

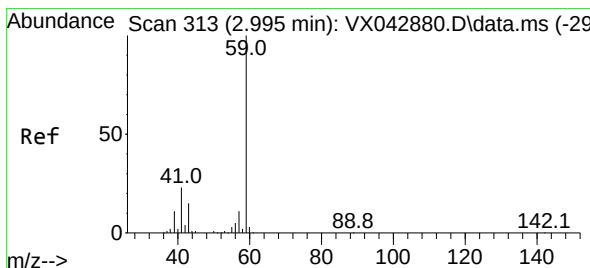
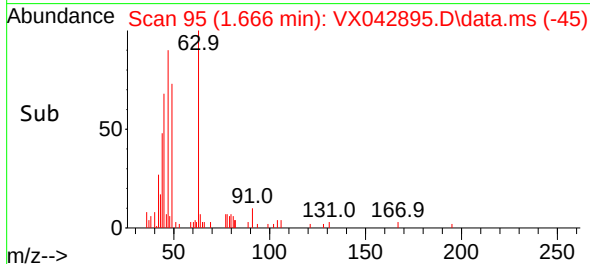
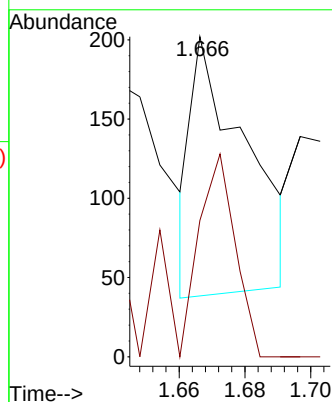
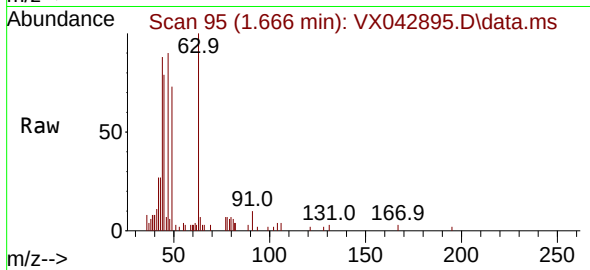




#6
Chloroethane
Concen: 0.204 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

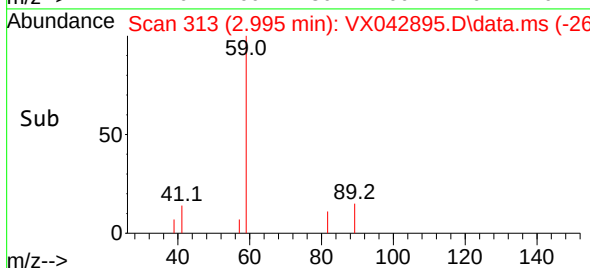
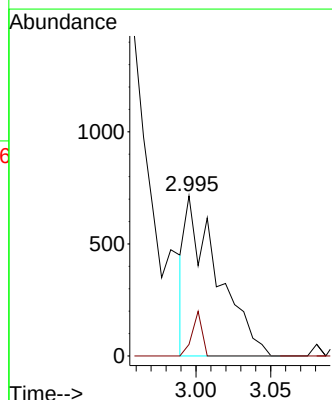
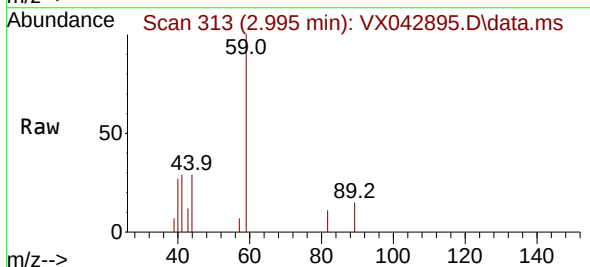
Instrument :
MSVOA_X
ClientSampleId :

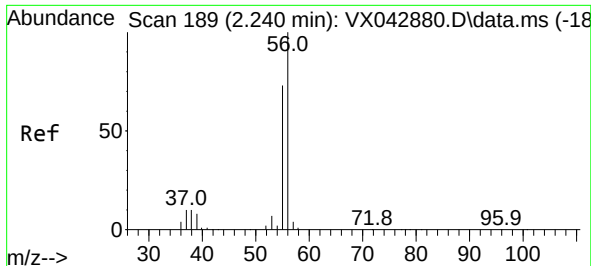
Tgt Ion: 64 Resp: 187
Ion Ratio Lower Upper
64 100
66 86.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 2.708 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Tgt Ion: 59 Resp: 1069
Ion Ratio Lower Upper
59 100
57 8.5 6.0 9.0





#13

Acrolein

Concen: 0.308 ug/l

RT: 2.245 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

Instrument :

MSVOA_X

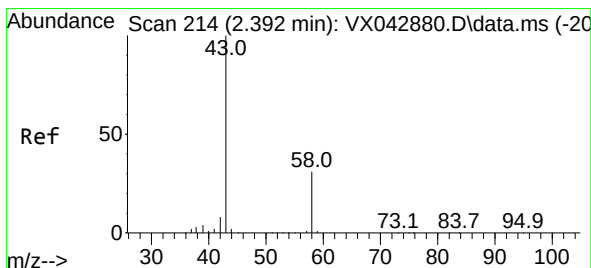
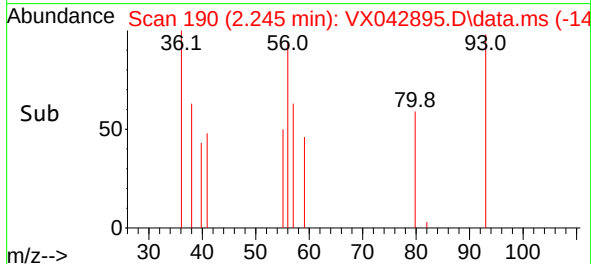
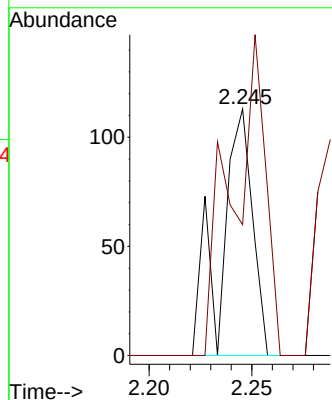
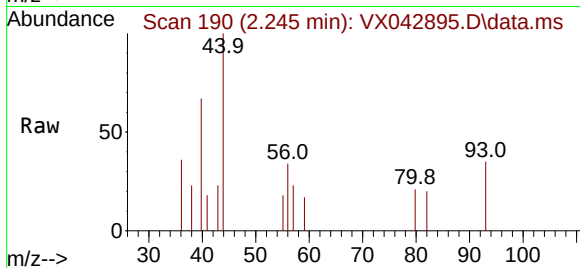
ClientSampleId :

Tgt Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 137.5 57.1 85.7#



#16

Acetone

Concen: 97.191 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX042895.D

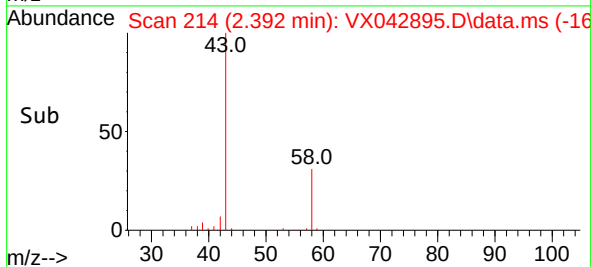
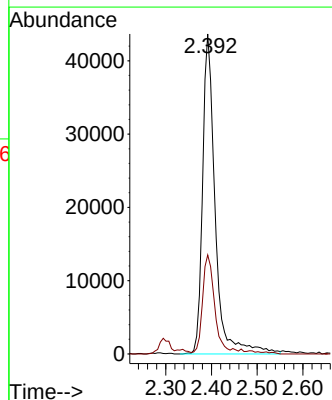
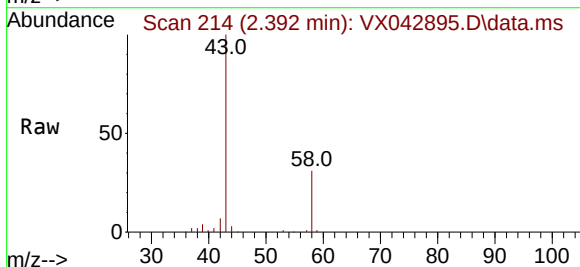
Acq: 07 Aug 2024 02:53

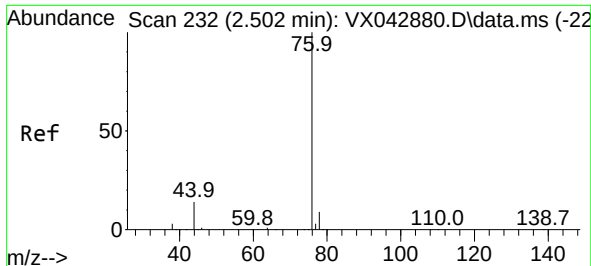
Tgt Ion: 43 Resp: 83656

Ion Ratio Lower Upper

43 100

58 31.0 21.9 32.9

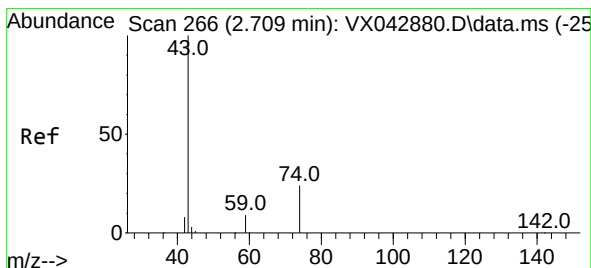
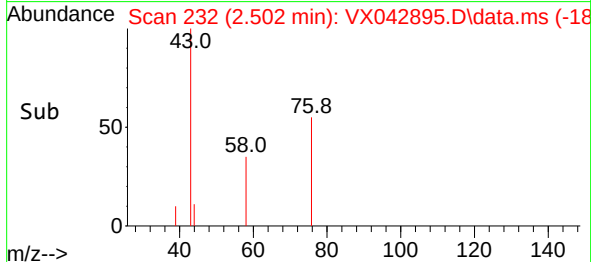
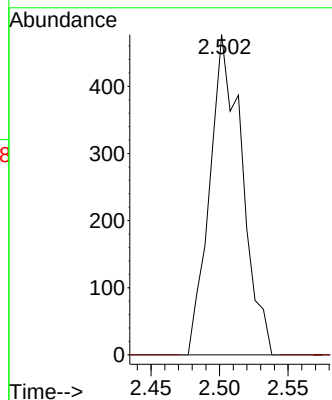
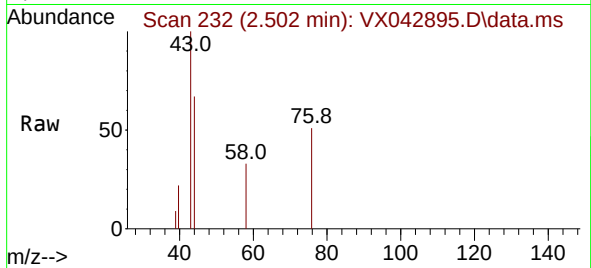




#17
Carbon Disulfide
Concen: 0.202 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

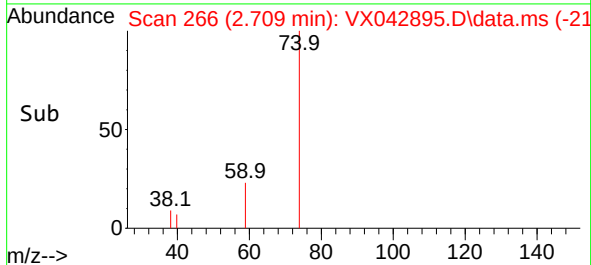
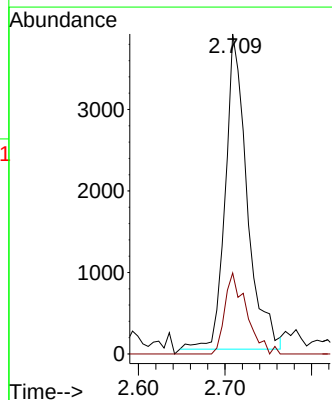
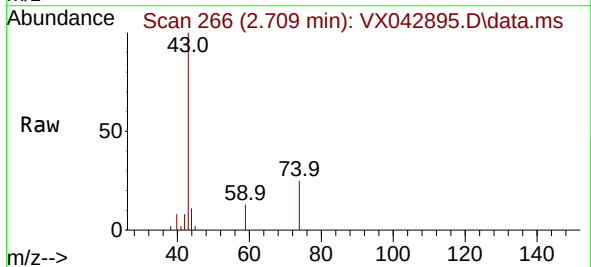
Instrument :
MSVOA_X
ClientSampleId :

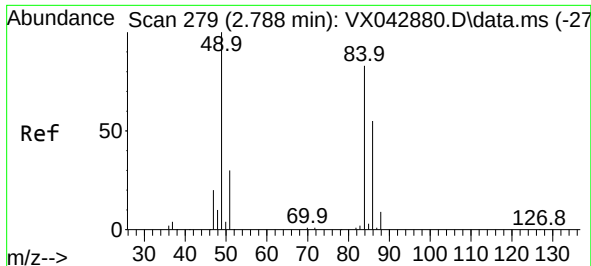
Tgt Ion: 76 Resp: 783
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 2.485 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Tgt Ion: 43 Resp: 6784
Ion Ratio Lower Upper
43 100
74 25.5 17.8 26.8





#20

Methylene Chloride

Concen: 6.425 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

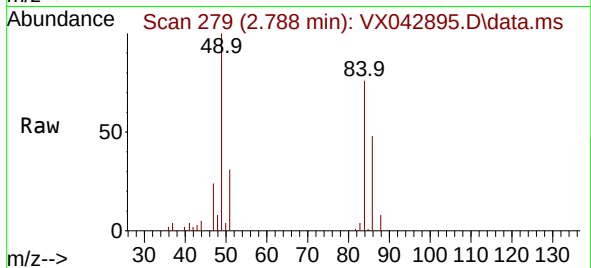
Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 12972

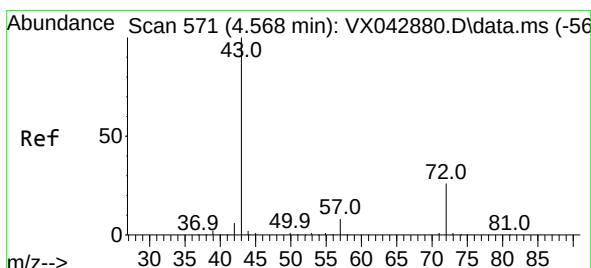
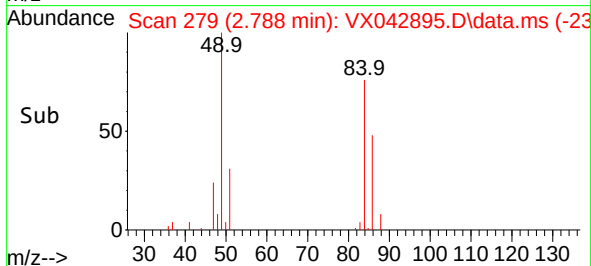
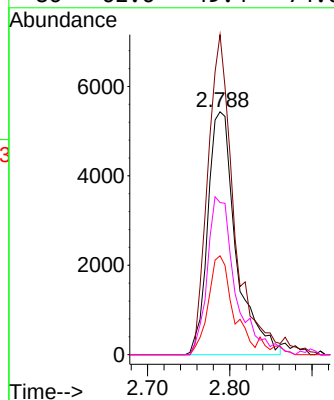
Ion Ratio Lower Upper

84 100

49 131.8 103.6 155.4

51 40.7 33.8 50.6

86 62.6 49.4 74.0



#25

2-Butanone

Concen: 7.932 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.024 min

Lab File: VX042895.D

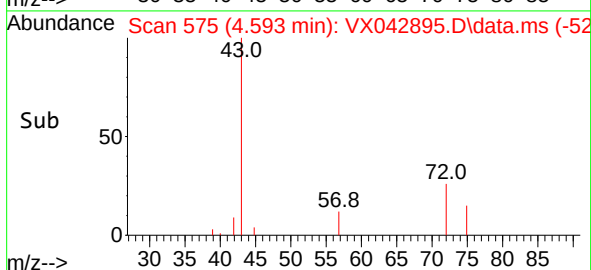
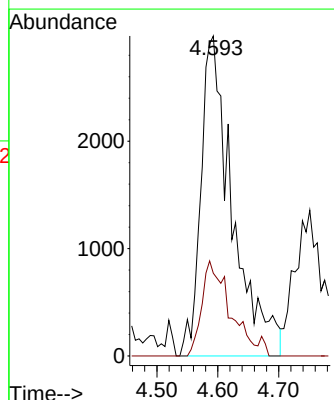
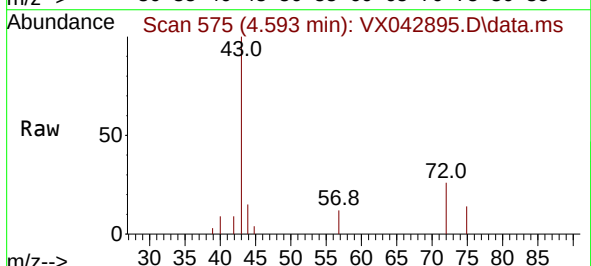
Acq: 07 Aug 2024 02:53

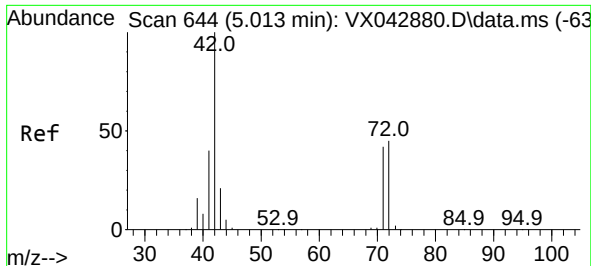
Tgt Ion: 43 Resp: 10722

Ion Ratio Lower Upper

43 100

72 25.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.856 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.036 min

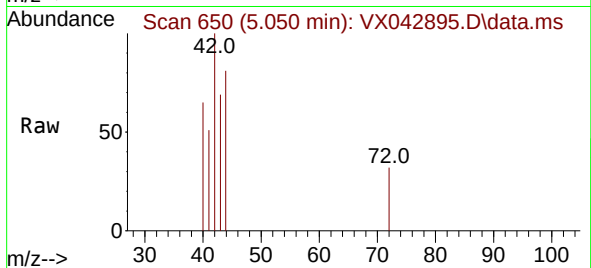
Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

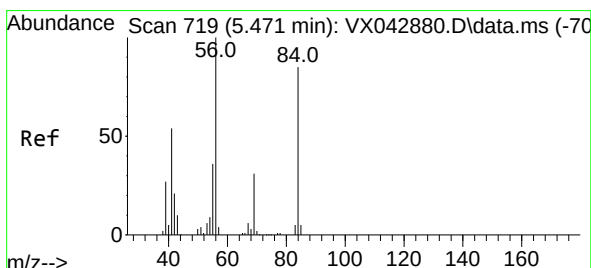
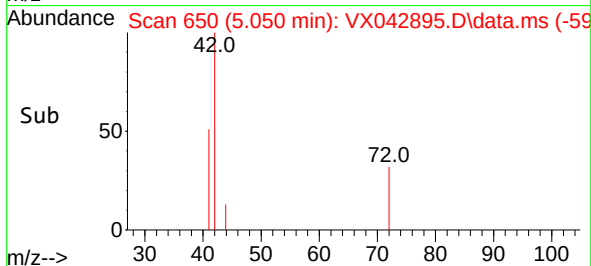
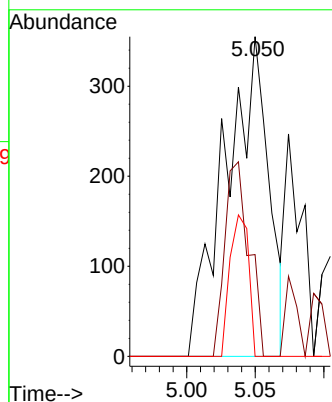
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	782
Ion	Ratio	Lower	Upper
42	100		
72	34.0	34.2	51.4#
71	19.2	32.2	48.2#



#31

Cyclohexane

Concen: 1.142 ug/l

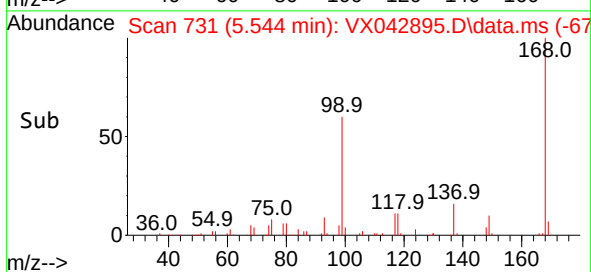
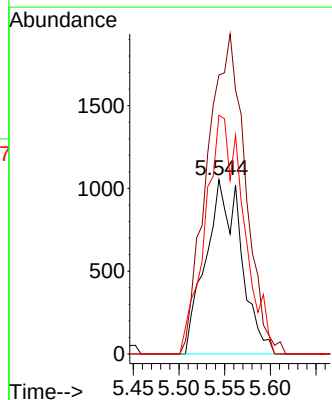
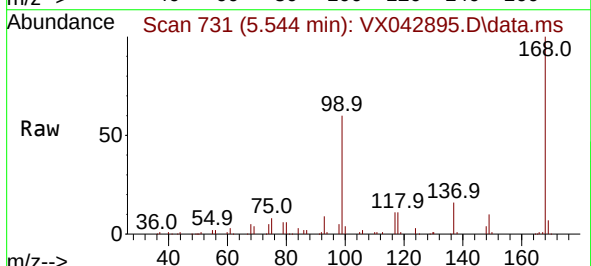
RT: 5.544 min Scan# 731

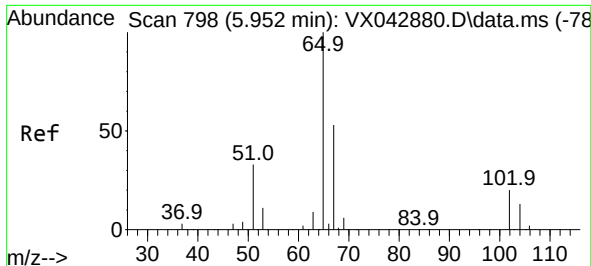
Delta R.T. 0.073 min

Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

Tgt Ion:	56	Resp:	2835
Ion	Ratio	Lower	Upper
56	100		
69	160.0	23.4	35.2#
84	136.9	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 56.174 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

Instrument :

MSVOA_X

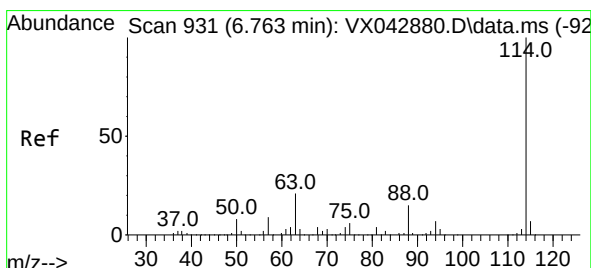
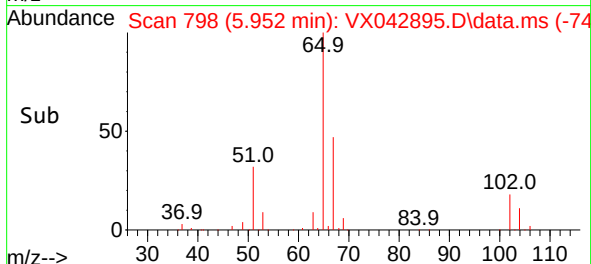
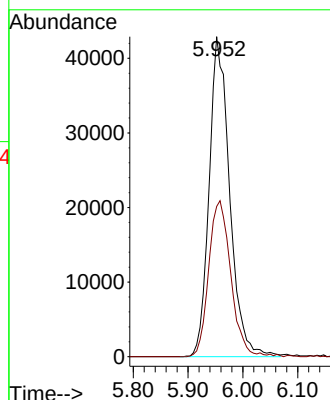
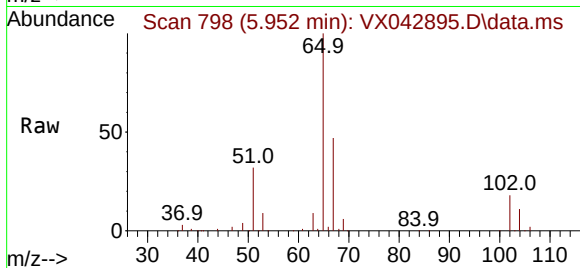
ClientSampleId :

Tgt Ion: 65 Resp: 111474

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

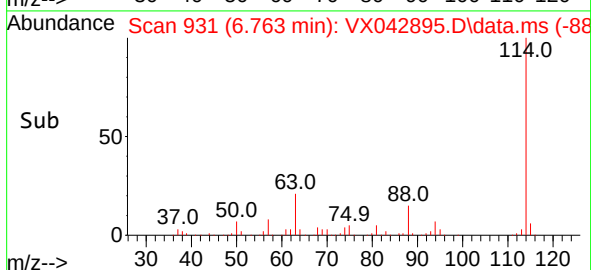
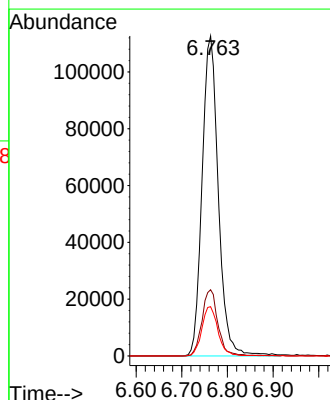
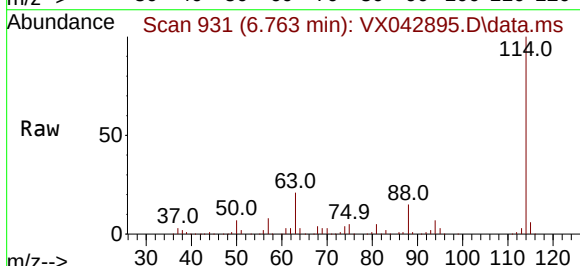
Tgt Ion: 114 Resp: 277542

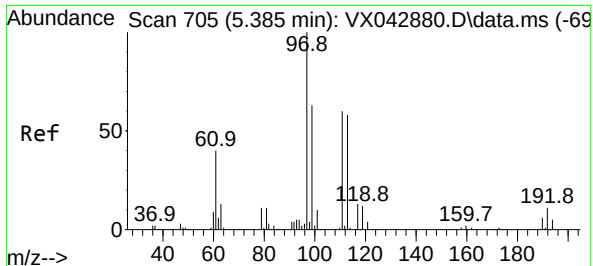
Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.0

88 15.4 0.0 36.6

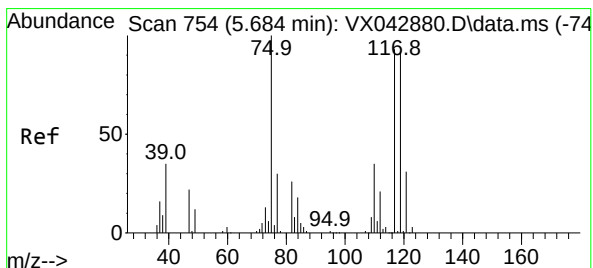
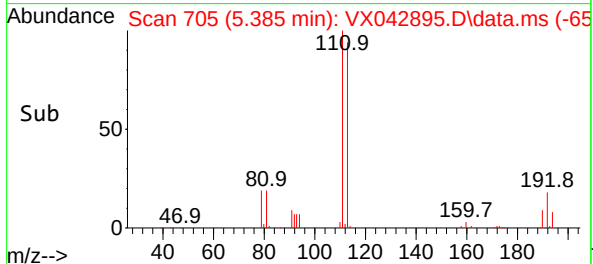
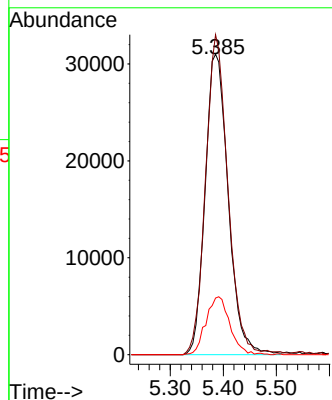
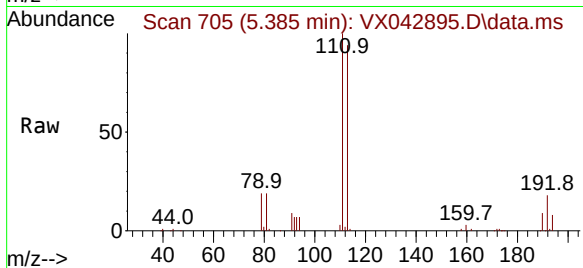




#35
Dibromofluoromethane
Concen: 51.743 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

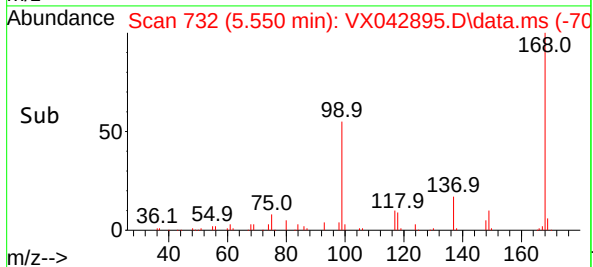
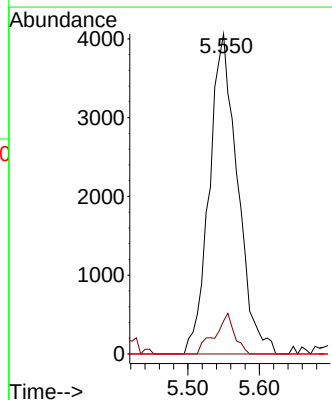
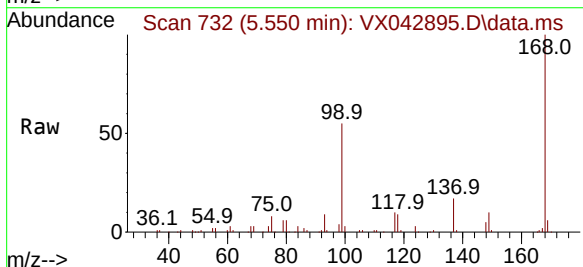
Instrument :
MSVOA_X
ClientSampleId :

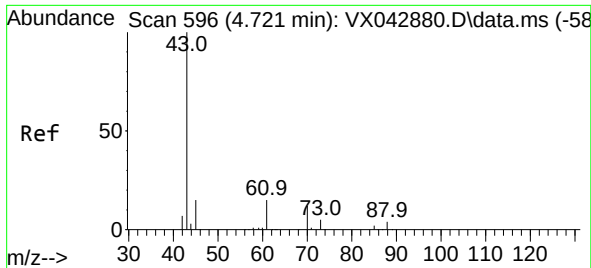
Tgt Ion:113 Resp: 93899
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 19.9 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.523 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Tgt Ion: 75 Resp: 11128
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.366 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.030 min

Lab File: VX042895.D

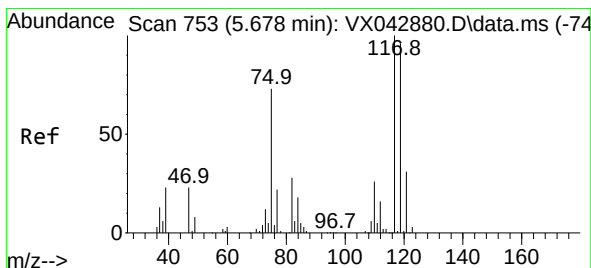
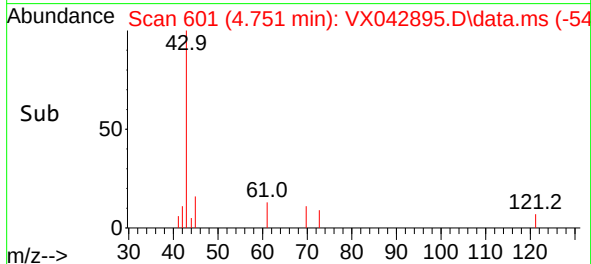
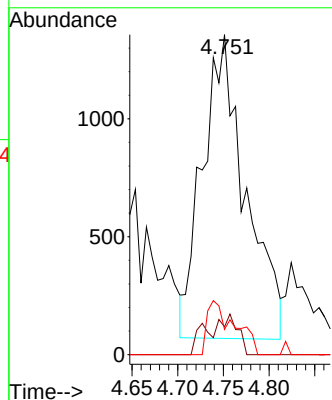
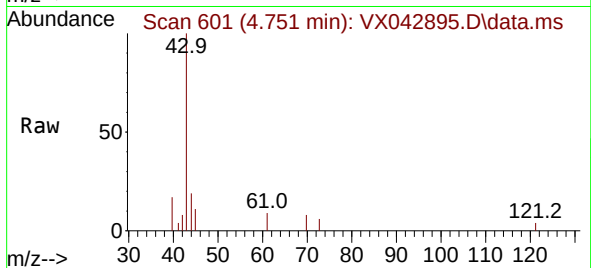
Acq: 07 Aug 2024 02:53

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	4205
Ion	Ratio	Lower	Upper
43	100		
61	5.7	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.516 ug/l

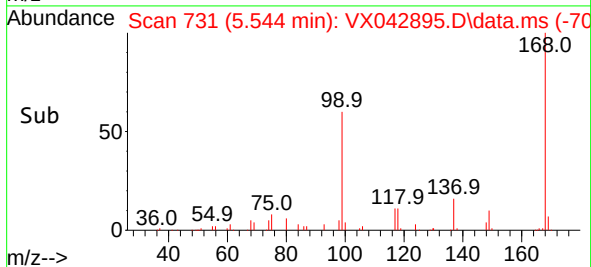
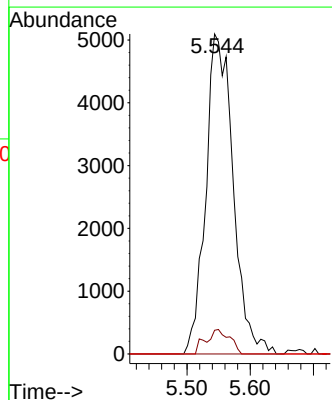
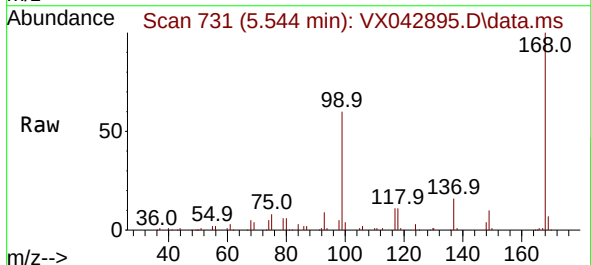
RT: 5.544 min Scan# 731

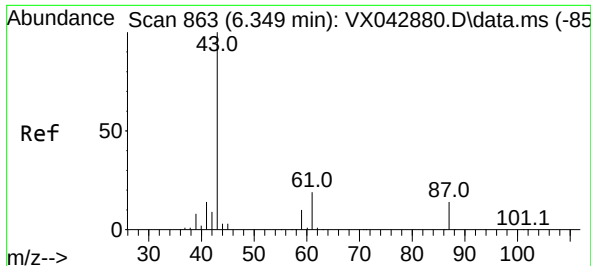
Delta R.T. -0.134 min

Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

Tgt Ion:	117	Resp:	15319
Ion	Ratio	Lower	Upper
117	100		
119	7.4	78.2	117.2#
121	0.0	24.4	36.6#

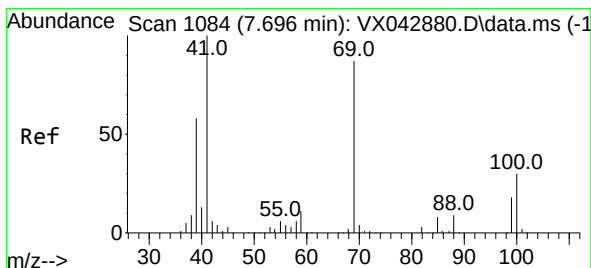
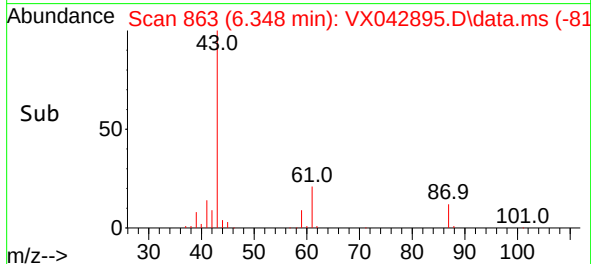
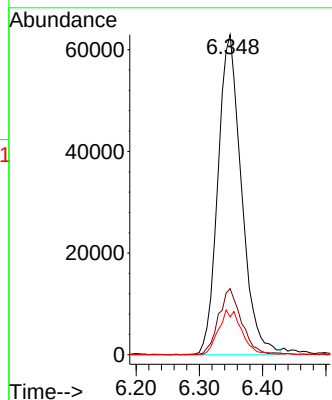
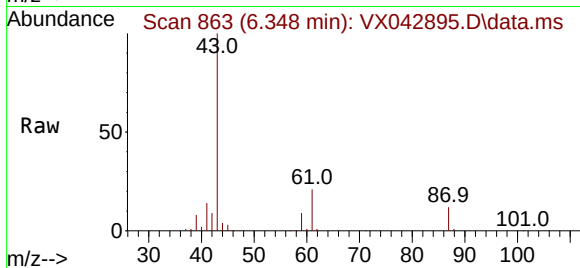




#43
Isopropyl Acetate
Concen: 35.727 ug/l
RT: 6.348 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

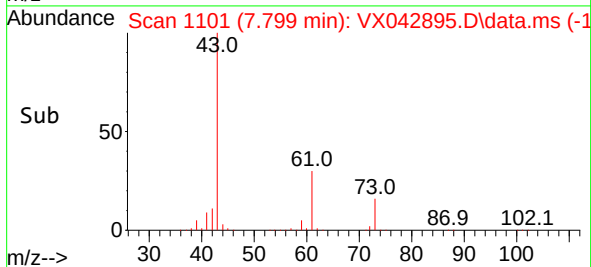
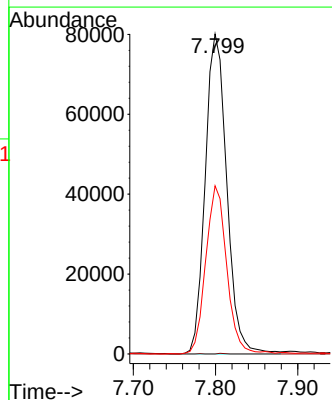
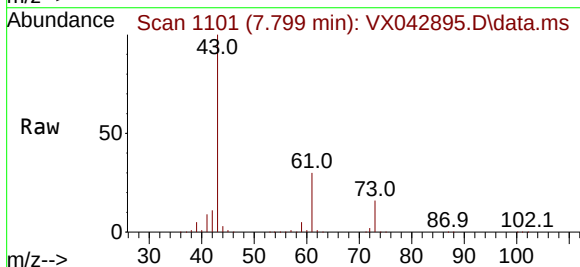
Instrument :
MSVOA_X
ClientSampleId :

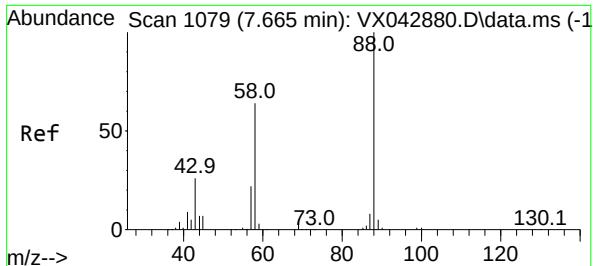
Tgt Ion: 43 Resp: 162652
Ion Ratio Lower Upper
43 100
61 19.9 15.2 22.8
87 13.7 9.8 14.6



#48
Methyl methacrylate
Concen: 66.875 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Tgt Ion: 41 Resp: 145989
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 51.2 47.7 71.5





#49

1,4-Dioxane

Concen: 6.005 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

Instrument :

MSVOA_X

ClientSampleId :

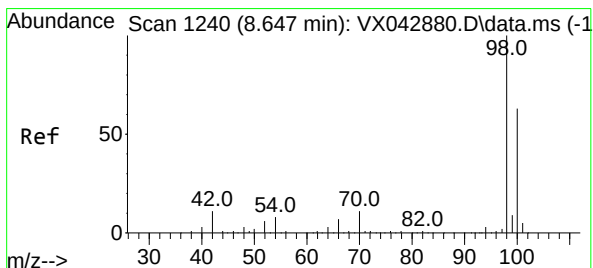
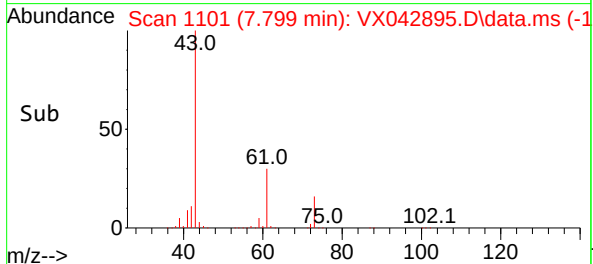
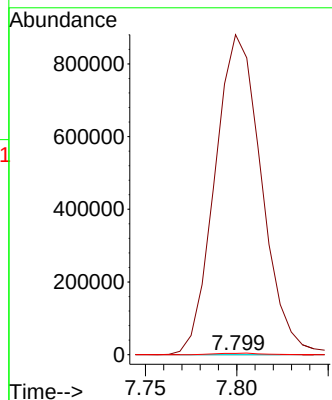
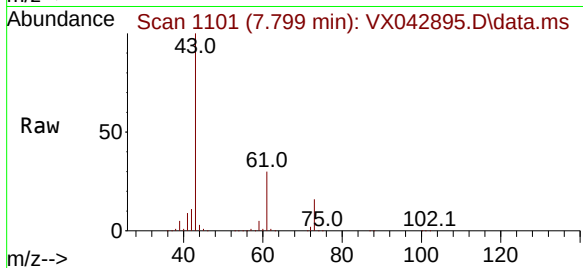
Tgt Ion: 88 Resp: 291

Ion Ratio Lower Upper

88 100

43 545588.0 0.0 0.0#

58 2504.5 60.1 90.1#



#50

Toluene-d8

Concen: 52.121 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX042895.D

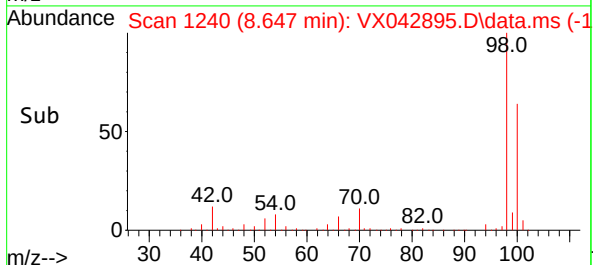
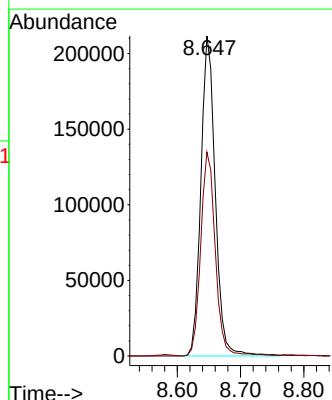
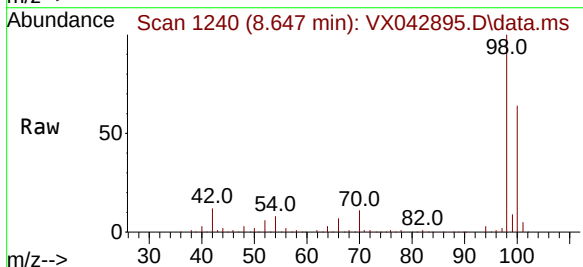
Acq: 07 Aug 2024 02:53

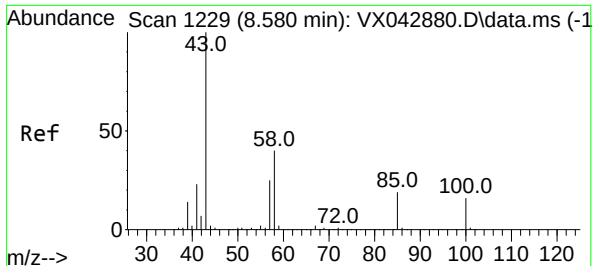
Tgt Ion: 98 Resp: 335778

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 40.539 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

Instrument :

MSVOA_X

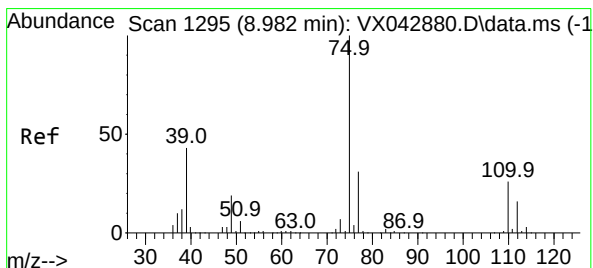
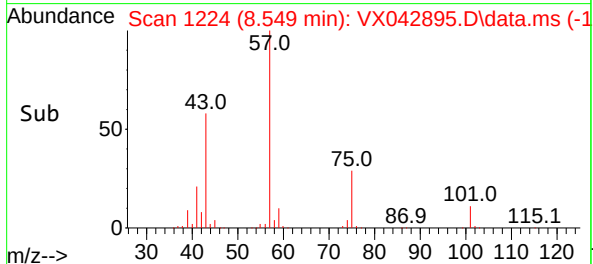
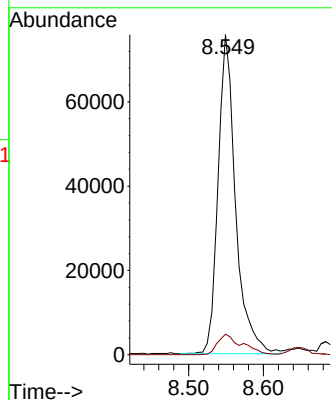
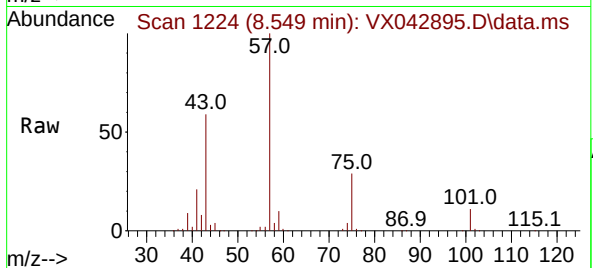
ClientSampleId :

Tgt Ion: 43 Resp: 123625

Ion Ratio Lower Upper

43 100

58 8.9 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.447 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.031 min

Lab File: VX042895.D

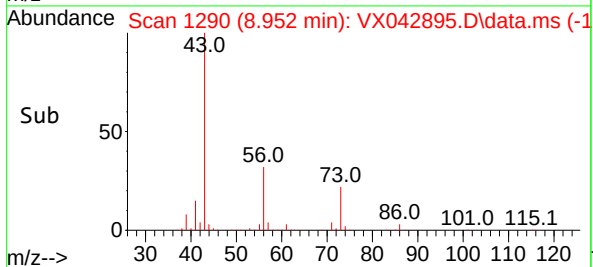
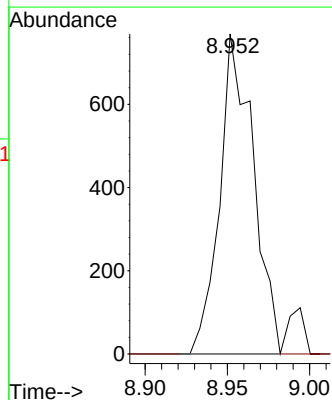
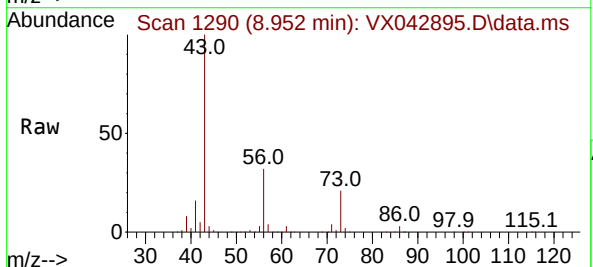
Acq: 07 Aug 2024 02:53

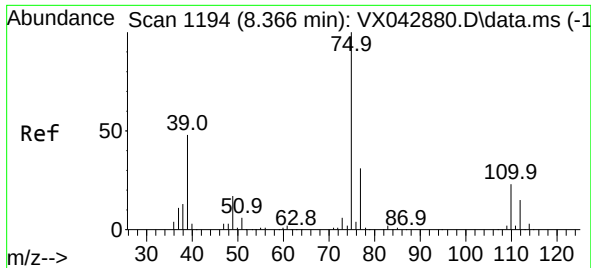
Tgt Ion: 75 Resp: 1092

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

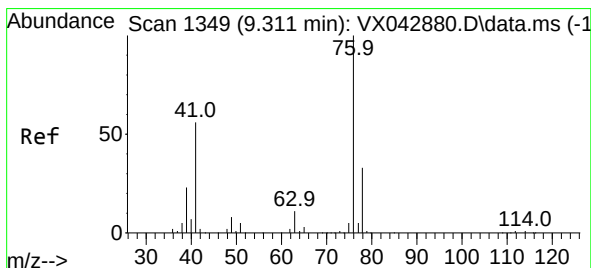
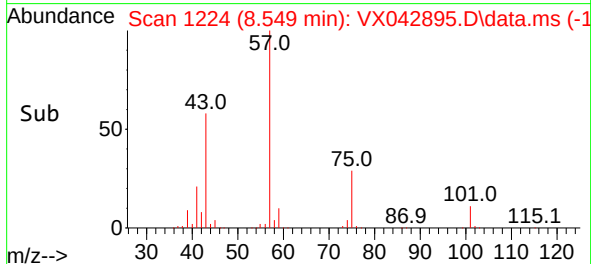
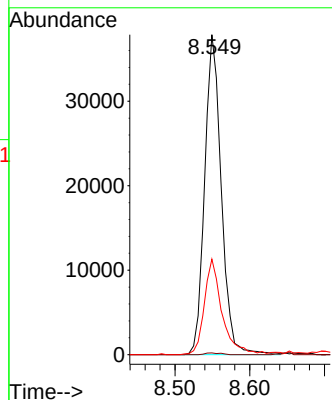
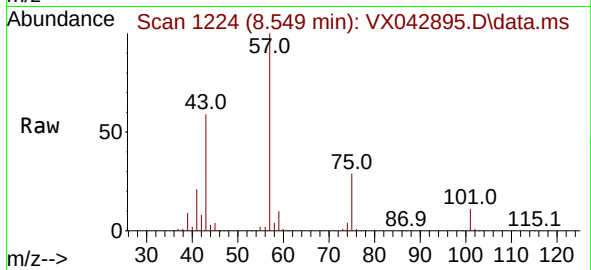




#54
cis-1,3-Dichloropropene
Concen: 21.714 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

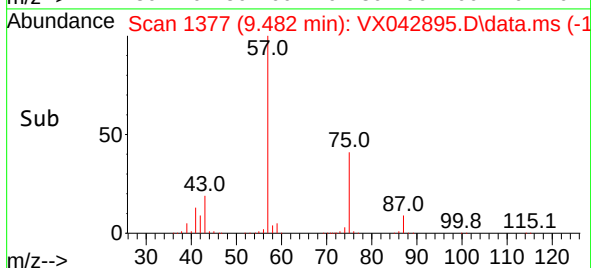
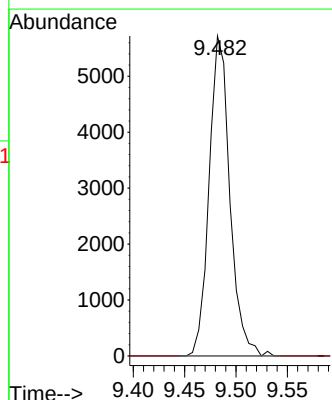
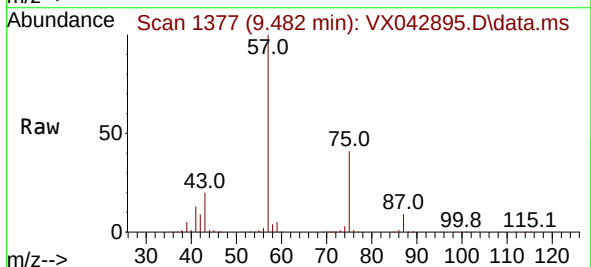
Instrument :
MSVOA_X
ClientSampleId :

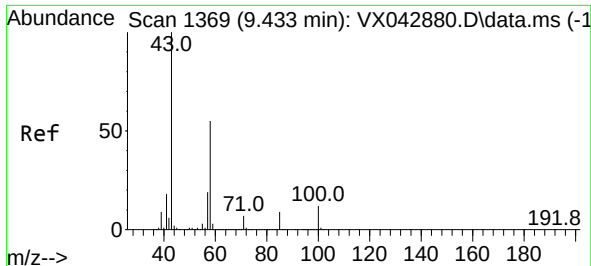
Tgt Ion: 75 Resp: 58584
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 29.8 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 2.600 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Tgt Ion: 76 Resp: 8020
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

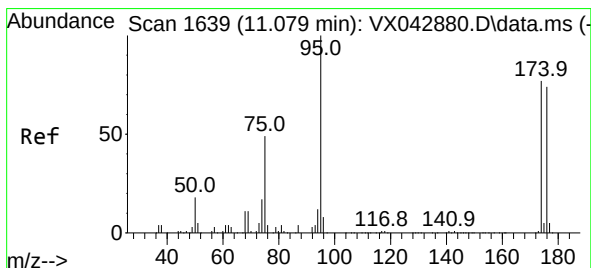
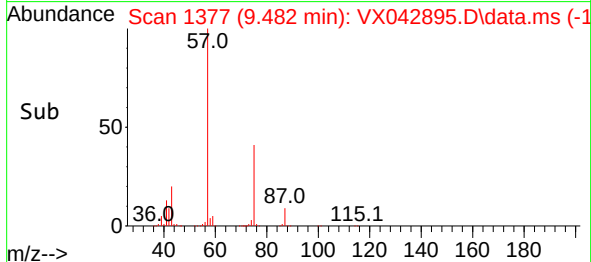
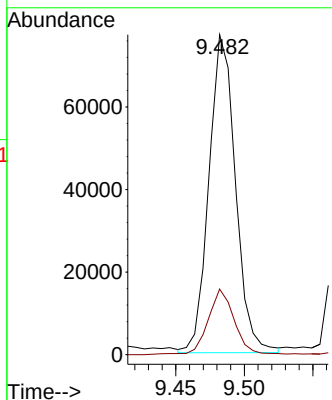
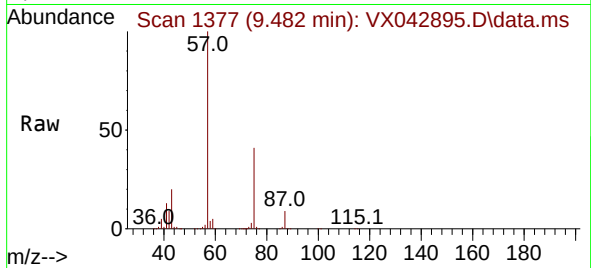




#59
2-Hexanone
Concen: 43.953 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

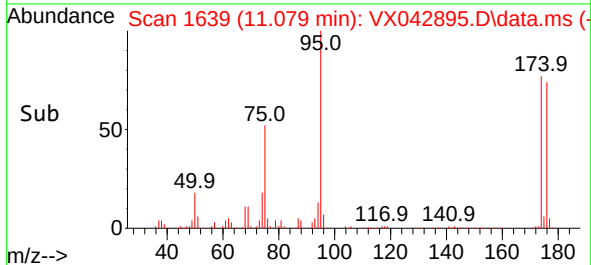
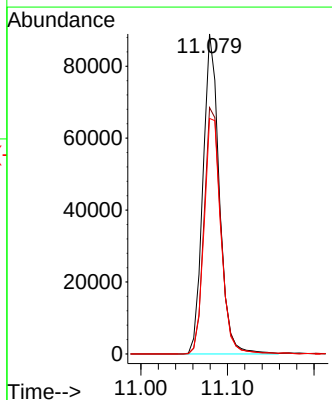
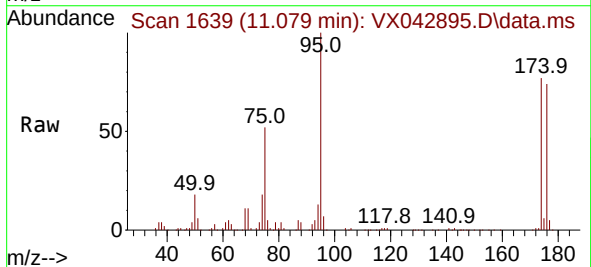
Instrument :
MSVOA_X
ClientSampleId :

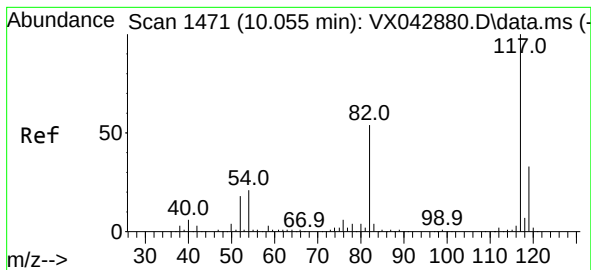
Tgt Ion: 43 Resp: 103861
Ion Ratio Lower Upper
43 100
58 20.6 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.354 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Tgt Ion: 95 Resp: 116569
Ion Ratio Lower Upper
95 100
174 79.5 0.0 135.6
176 76.4 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: VX042895.D

Acq: 07 Aug 2024 02:53

Instrument :

MSVOA_X

ClientSampleId :

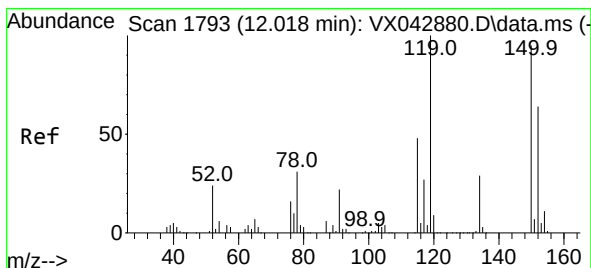
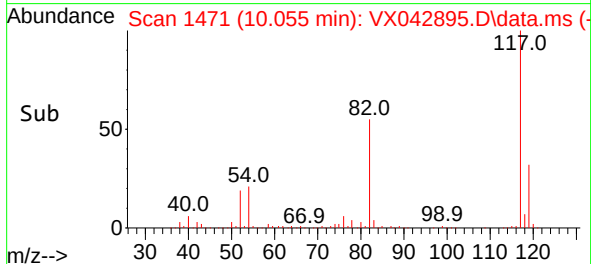
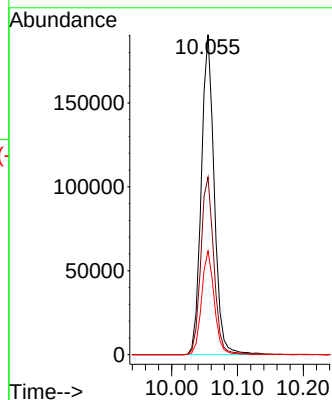
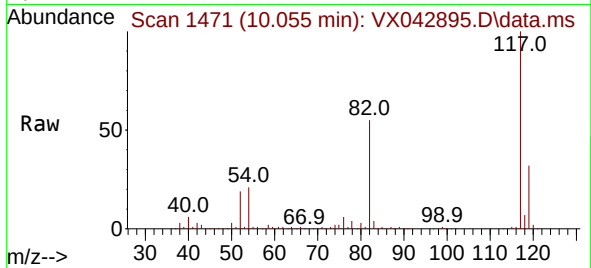
Tgt Ion:117 Resp: 261304

Ion Ratio Lower Upper

117 100

82 55.5 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# 1794

Delta R.T. 0.006 min

Lab File: VX042895.D

Acq: 07 Aug 2024 02:53

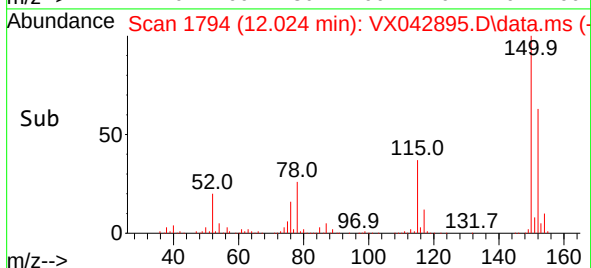
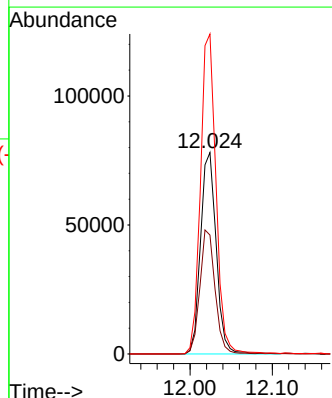
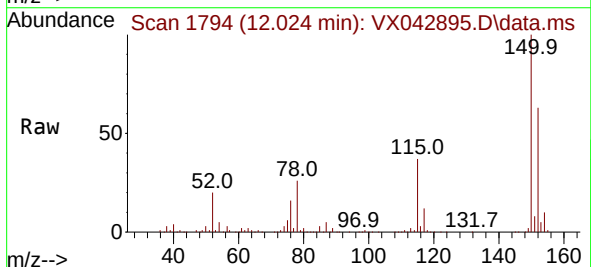
Tgt Ion:152 Resp: 103382

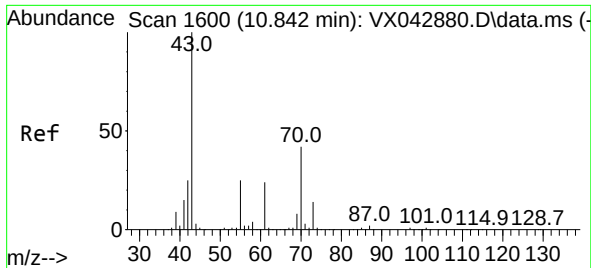
Ion Ratio Lower Upper

152 100

115 59.8 43.3 129.9

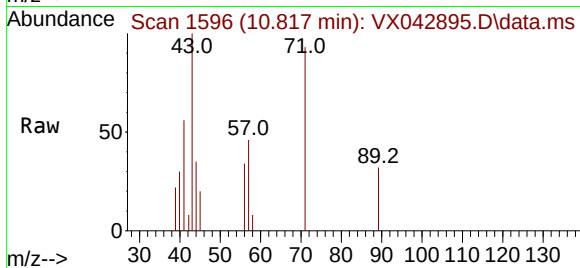
150 157.3 0.0 345.0



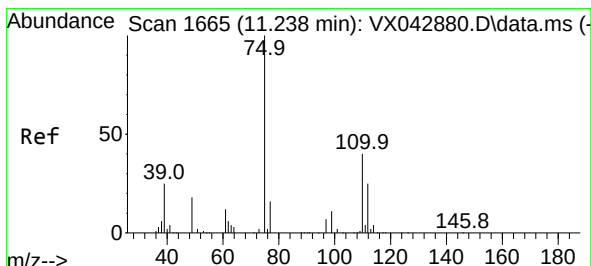
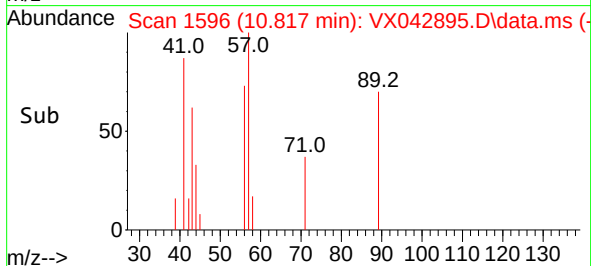
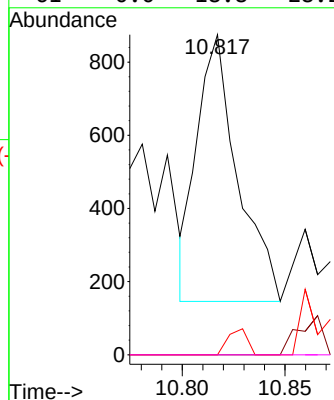


#74
N-amy1 acetate
Concen: 0.298 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Instrument :
MSVOA_X
ClientSampleId :

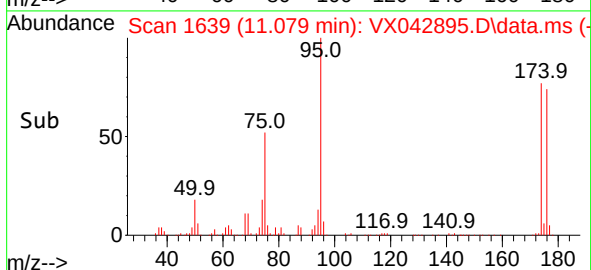
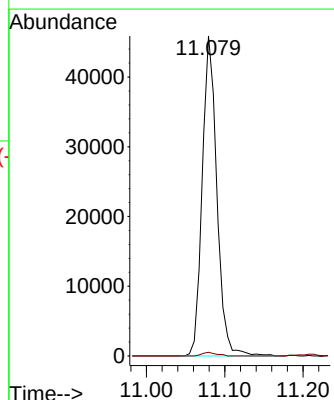
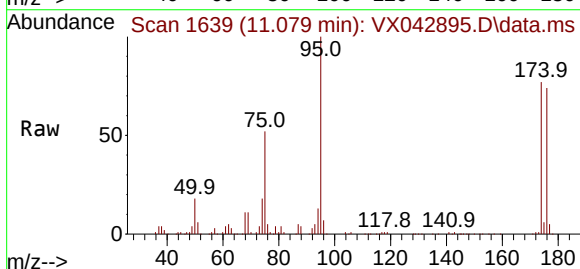


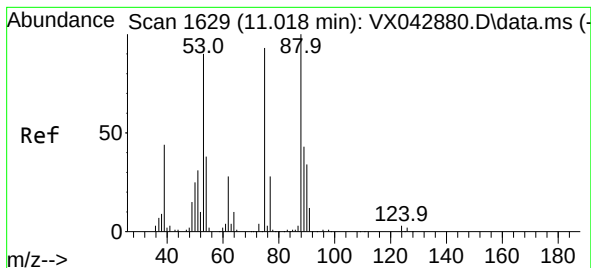
Tgt Ion	43	70	55	61
Ratio	100	0.0	4.6	0.0
Lower		32.9	19.3	18.8
Upper		49.3#	28.9#	28.2#



#76
1,2,3-Trichloropropane
Concen: 25.578 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Tgt Ion	75	77
Ratio	100	1.1
Lower		19.1
Upper		57.5#

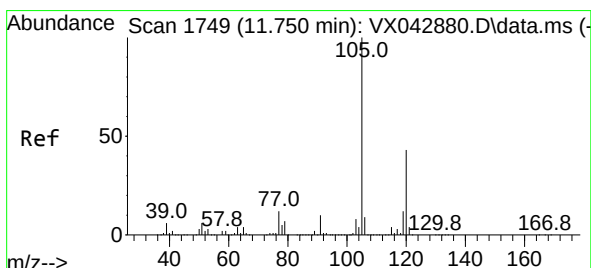
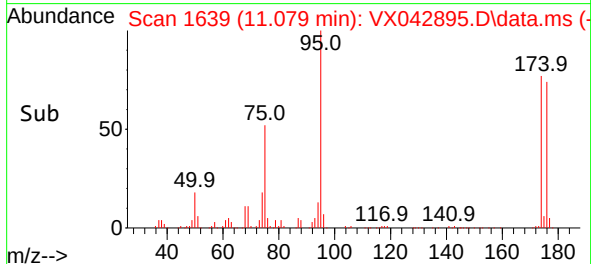
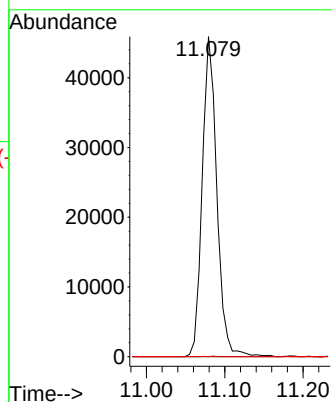
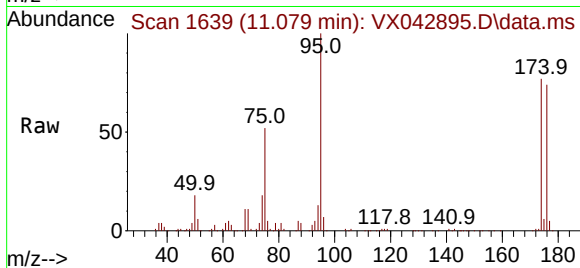




#81
trans-1,4-Dichloro-2-butene
Concen: 83.168 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 59470
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.218 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042895.D
Acq: 07 Aug 2024 02:53

Tgt Ion: 105 Resp: 1357
Ion Ratio Lower Upper
105 100
120 44.8 21.2 63.6

