

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042121.D
 Acq On : 01 Jul 2024 17:52
 Operator : JC/MD
 Sample : P3135-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 02 02:09:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

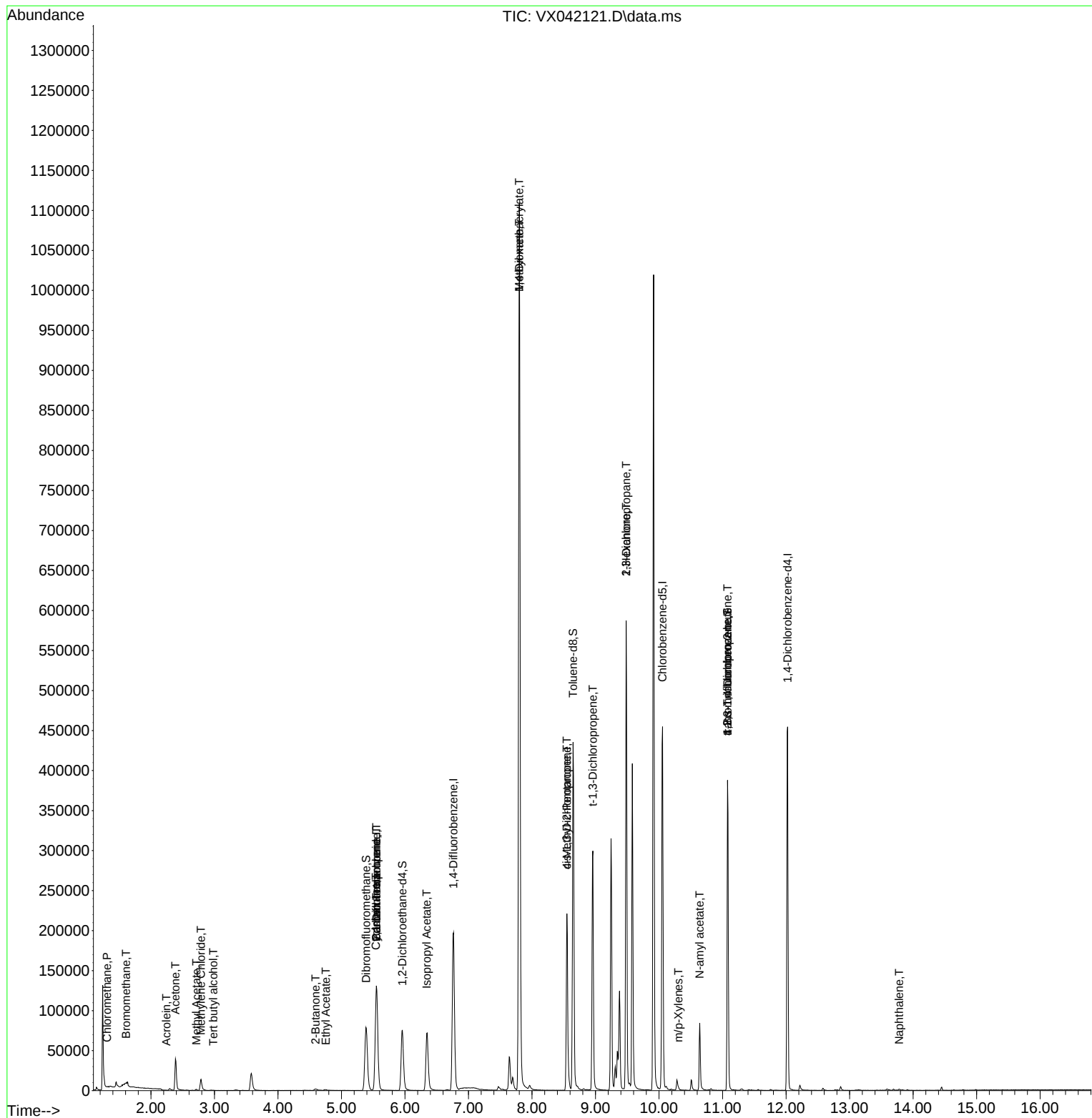
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	145563	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	225984	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72444	43.159	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.320%
35) Dibromofluoromethane	5.385	113	70780	44.142	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.280%
50) Toluene-d8	8.647	98	270121	47.952	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.900%
62) 4-Bromofluorobenzene	11.079	95	103243	49.720	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.440%
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	381	0.274	ug/l	# 43
5) Bromomethane	1.605	94	150	0.218	ug/l	# 69
6) Chloroethane	1.660	64	964	Below Cal	#	60
11) Tert butyl alcohol	2.983	59	410	1.287	ug/l	# 78
13) Acrolein	2.239	56	94	0.263	ug/l	# 43
16) Acetone	2.386	43	44350	60.173	ug/l	# 89
18) Methyl Acetate	2.715	43	1837	0.914	ug/l	100
20) Methylene Chloride	2.788	84	7730	4.790	ug/l	85
25) 2-Butanone	4.593	43	4069	3.549	ug/l	98
31) Cyclohexane	5.544	56	1944	0.990	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	8290	4.869	ug/l	# 51
37) Ethyl Acetate	4.751	43	2456	1.107	ug/l	# 92
38) Carbon Tetrachloride	5.550	117	12035	6.397	ug/l	# 15
43) Isopropyl Acetate	6.342	43	100718	29.583	ug/l	# 93
48) Methyl methacrylate	7.799	41	89082	54.825	ug/l	# 45
49) 1,4-Dioxane	7.799	88	129	22.872	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	75038	31.996	ug/l	# 48
53) t-1,3-Dichloropropene	8.958	75	776	1.283	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	39778	19.235	ug/l	# 50
57) 1,3-Dichloropropane	9.482	76	5150	2.092	ug/l	# 42
59) 2-Hexanone	9.482	43	65962	36.722	ug/l	# 55
68) m/p-Xylenes	10.305	106	889	0.295	ug/l	# 63
74) N-amyl acetate	10.640	43	19838	6.462	ug/l	# 54
76) 1,2,3-Trichloropropane	11.079	75	46577	22.571	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	46577	64.100	ug/l	# 5
95) Naphthalene	13.780	128	1490	0.928	ug/l	# 93

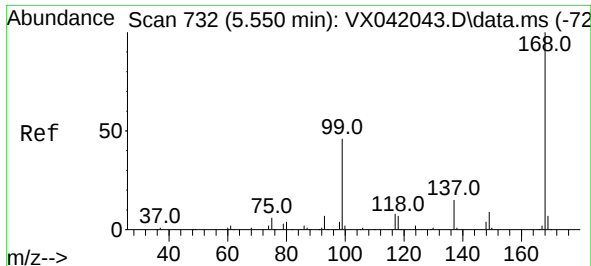
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
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Instrument :
MSVOA_X
ClientSampleId :

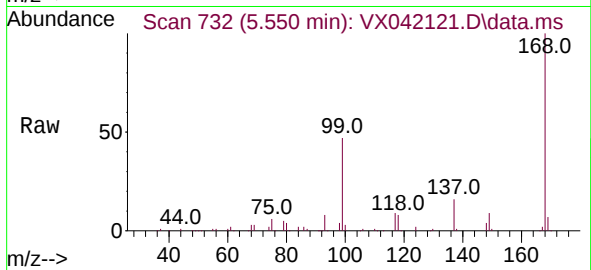
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



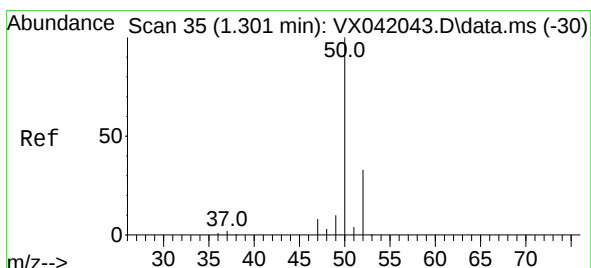
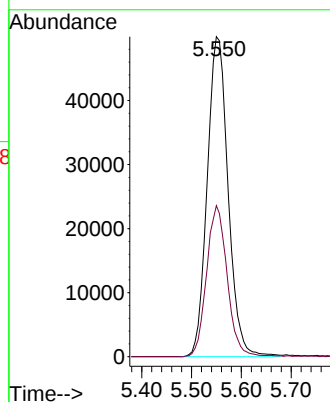
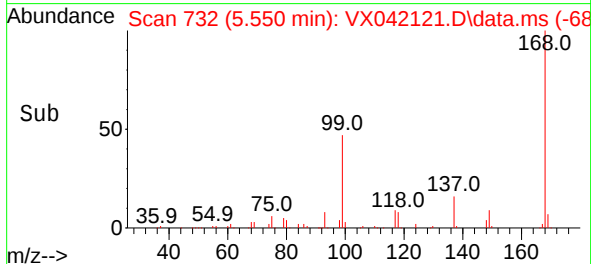


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 74
Delta R.T. -0.000 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Instrument :
MSVOA_X
ClientSampleId :

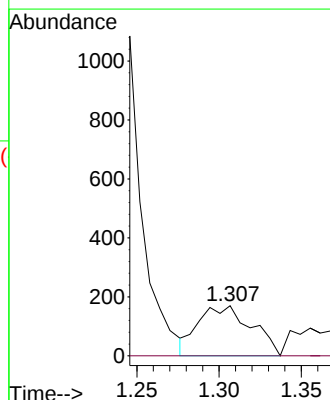
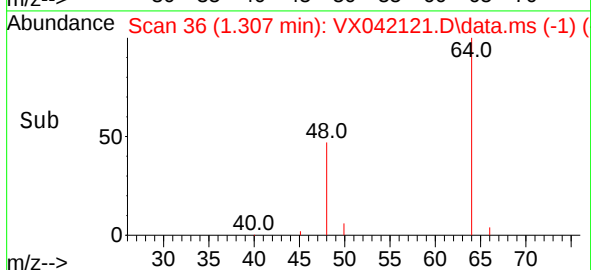
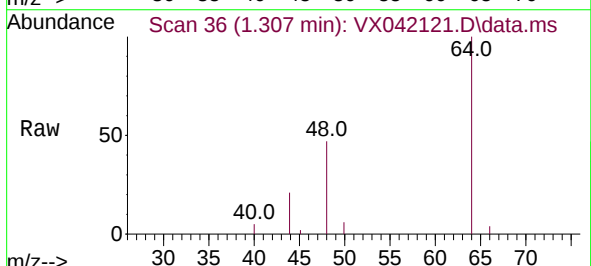


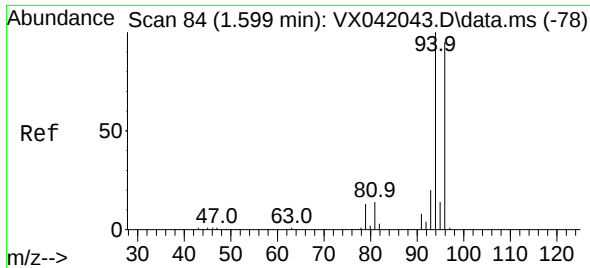
Tgt Ion:168 Resp: 145563
Ion Ratio Lower Upper
168 100
99 47.2 56.6 85.0#



#3
Chloromethane
Concen: 0.274 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Tgt Ion: 50 Resp: 381
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

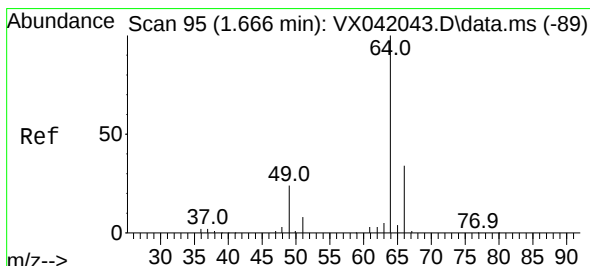
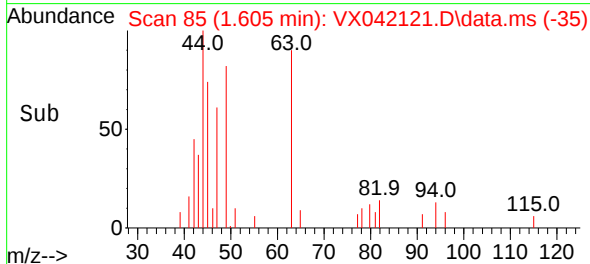
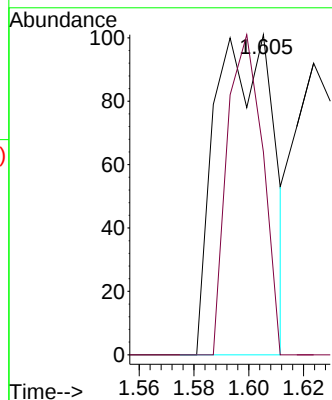
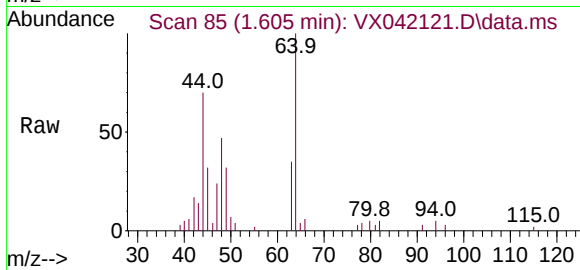




#5
Bromomethane
Concen: 0.218 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

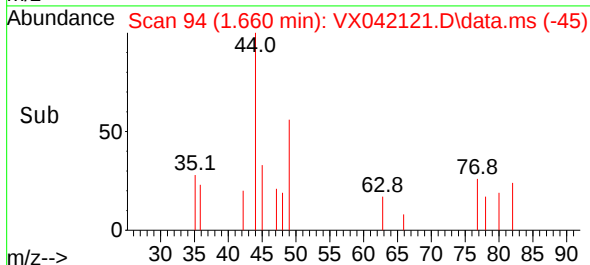
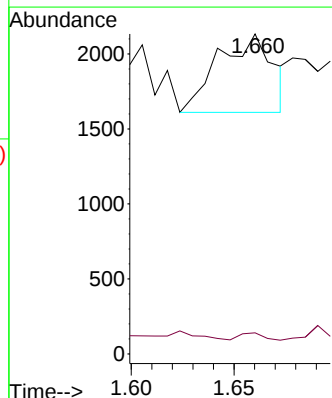
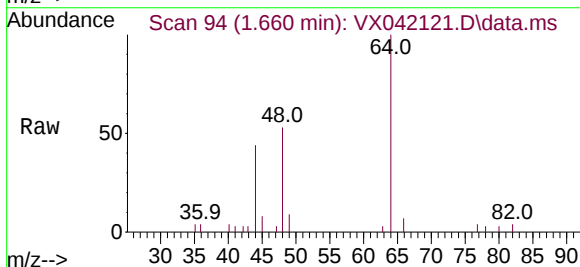
Instrument :
MSVOA_X
ClientSampleId :

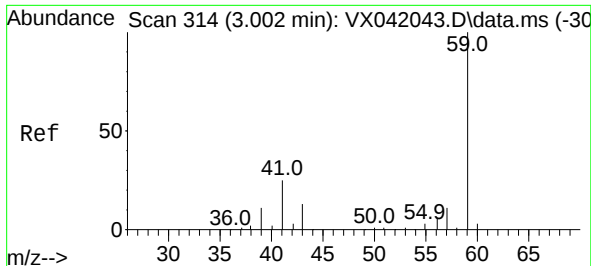
Tgt Ion: 94 Resp: 150
Ion Ratio Lower Upper
94 100
96 63.4 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Tgt Ion: 64 Resp: 964
Ion Ratio Lower Upper
64 100
66 9.4 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.287 ug/l

RT: 2.983 min Scan# 314

Delta R.T. -0.024 min

Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

Instrument :

MSVOA_X

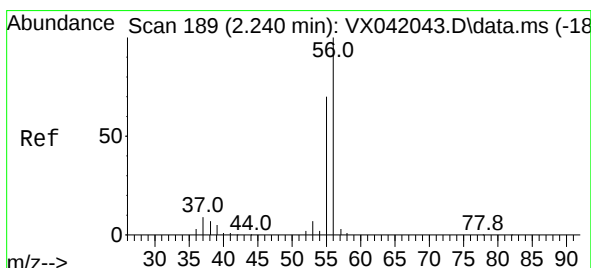
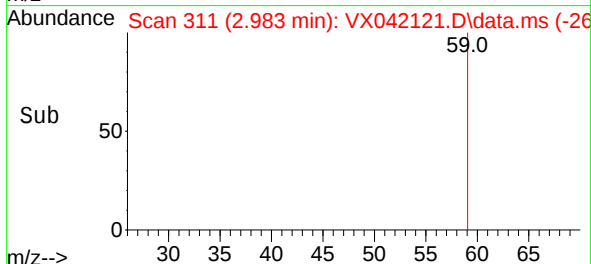
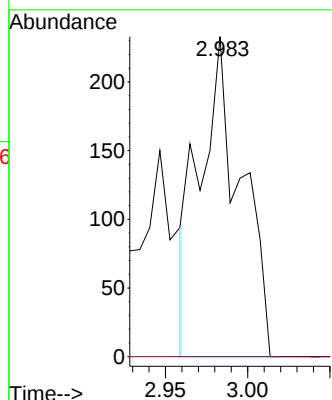
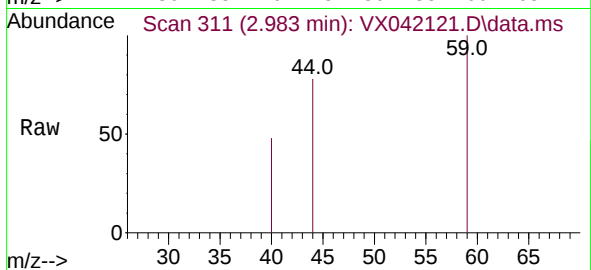
ClientSampleId :

Tgt Ion: 59 Resp: 410

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.263 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX042121.D

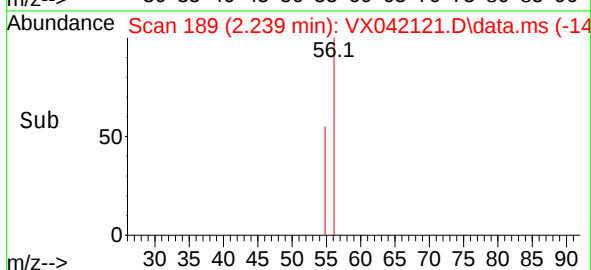
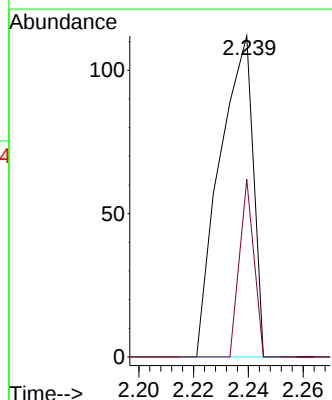
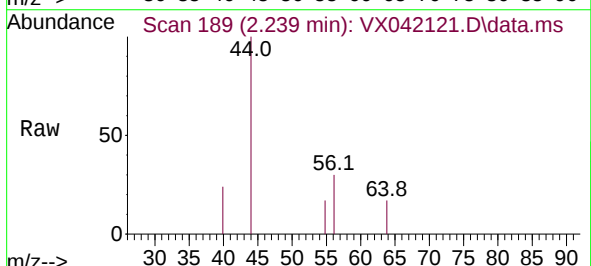
Acq: 01 Jul 2024 17:52

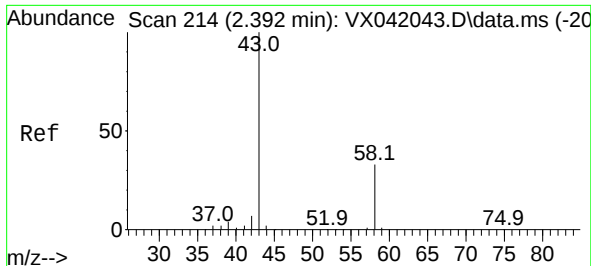
Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 24.5 57.1 85.7#





#16

Acetone

Concen: 60.173 ug/l

RT: 2.386 min Scan# 21

Delta R.T. -0.012 min

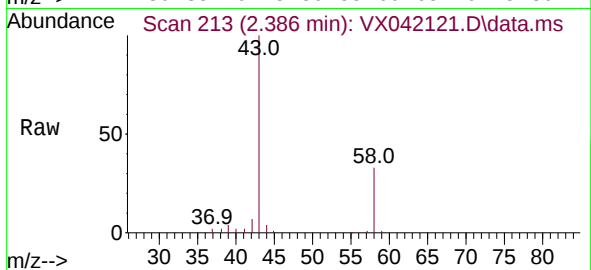
Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

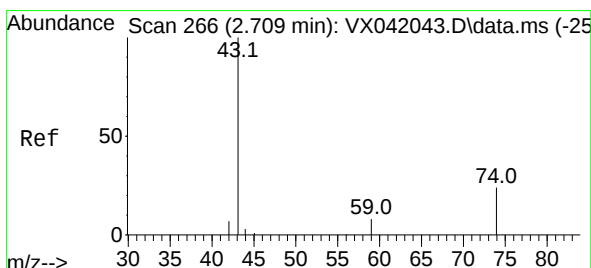
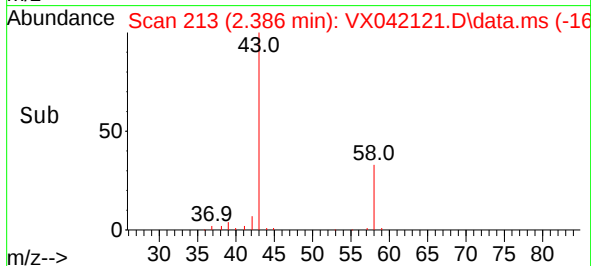
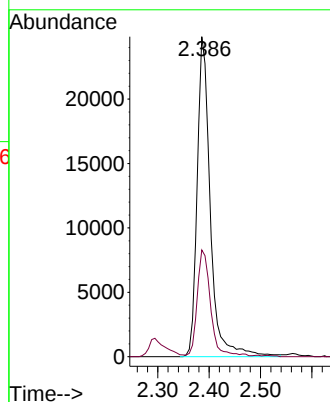


Tgt Ion: 43 Resp: 44350

Ion Ratio Lower Upper

43 100

58 33.4 21.9 32.9#



#18

Methyl Acetate

Concen: 0.914 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX042121.D

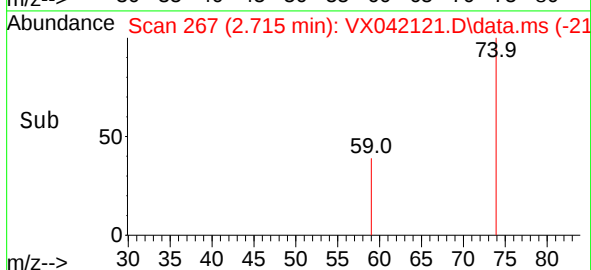
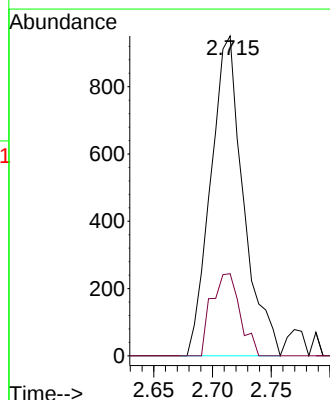
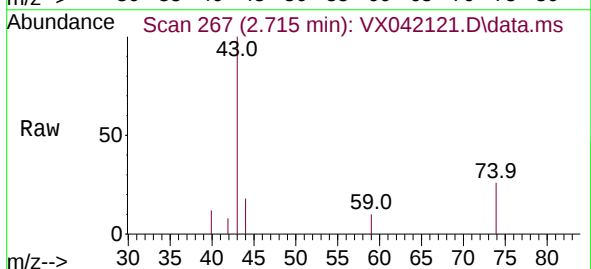
Acq: 01 Jul 2024 17:52

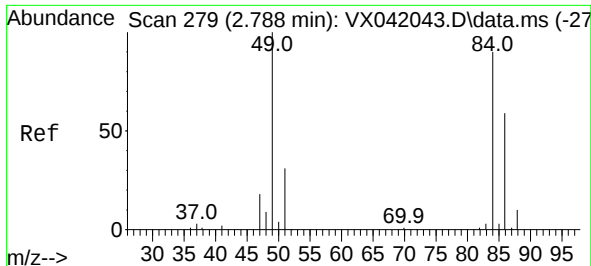
Tgt Ion: 43 Resp: 1837

Ion Ratio Lower Upper

43 100

74 22.4 17.8 26.8





#20

Methylene Chloride

Concen: 4.790 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

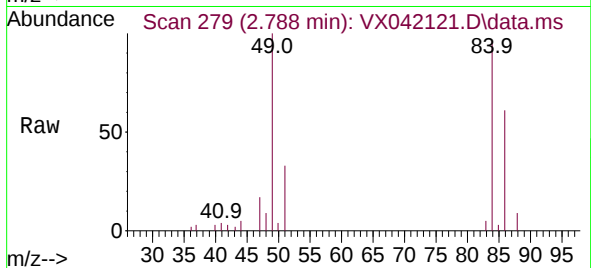
Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 7730

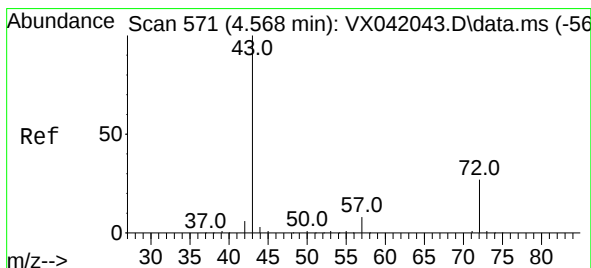
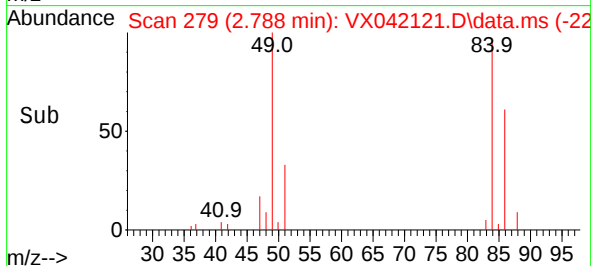
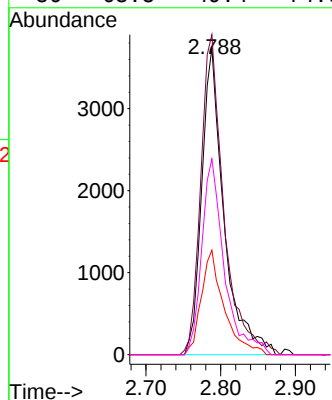
Ion Ratio Lower Upper

84 100

49 104.3 103.6 155.4

51 34.1 33.8 50.6

86 63.8 49.4 74.0



#25

2-Butanone

Concen: 3.549 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.018 min

Lab File: VX042121.D

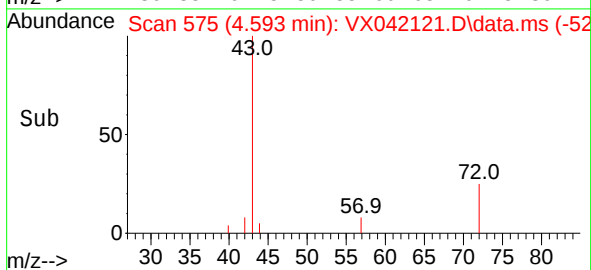
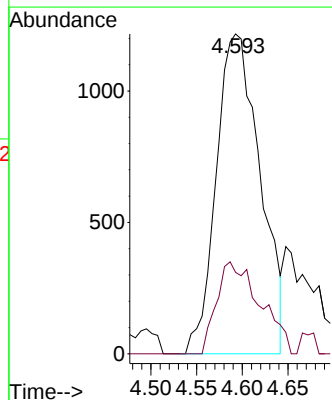
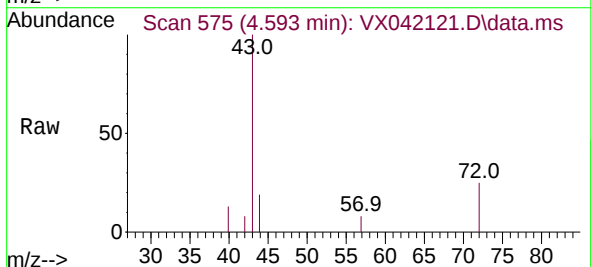
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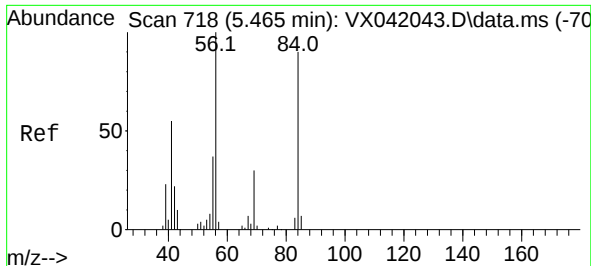
Tgt Ion: 43 Resp: 4069

Ion Ratio Lower Upper

43 100

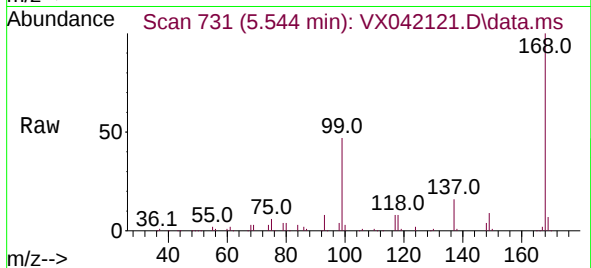
72 25.5 19.4 29.2



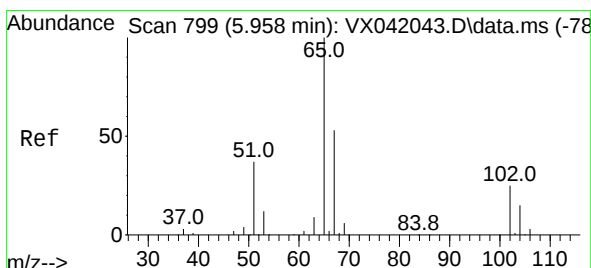
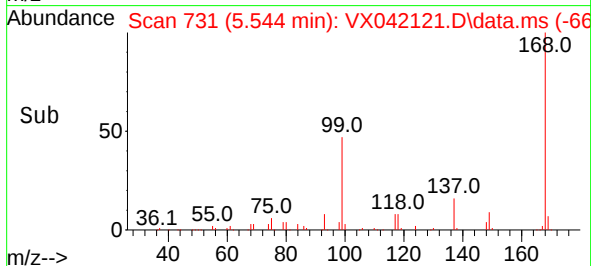
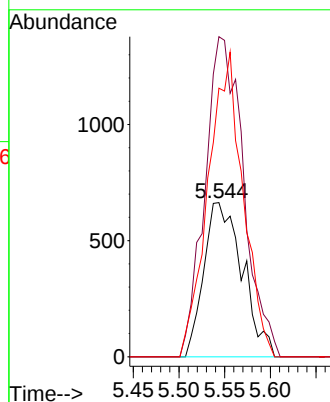


#31
Cyclohexane
Concen: 0.990 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Instrument :
MSVOA_X
ClientSampleId :

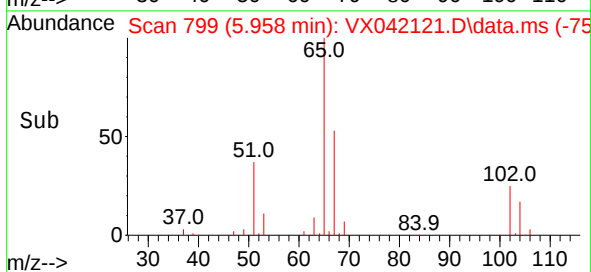
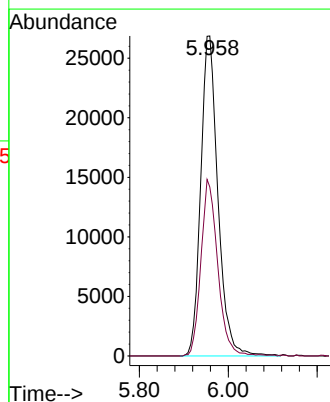
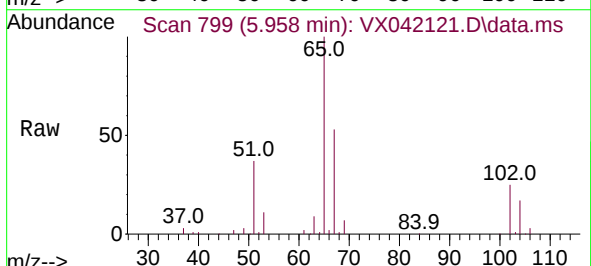


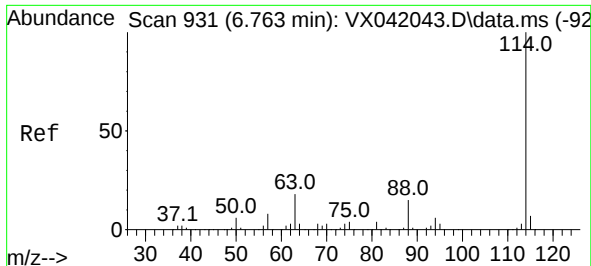
Tgt Ion: 56 Resp: 1944
Ion Ratio Lower Upper
56 100
69 207.5 23.4 35.2#
84 174.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.159 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Tgt Ion: 65 Resp: 72444
Ion Ratio Lower Upper
65 100
67 53.9 0.0 100.2

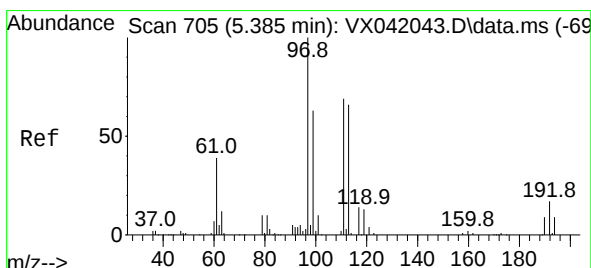
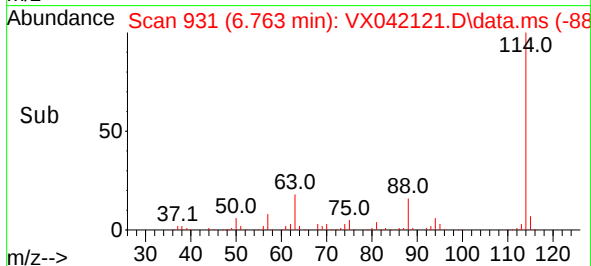
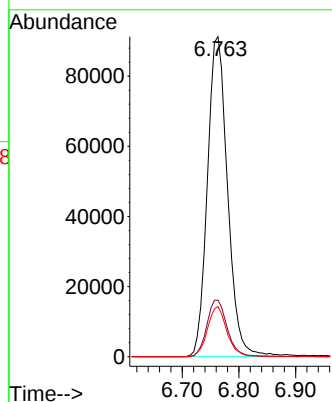
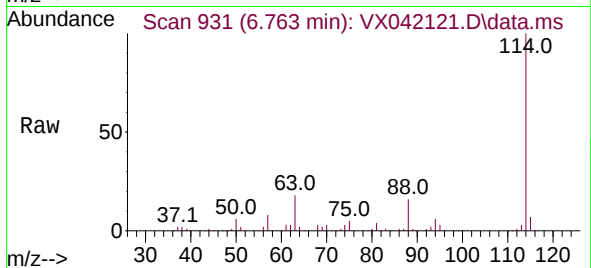




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

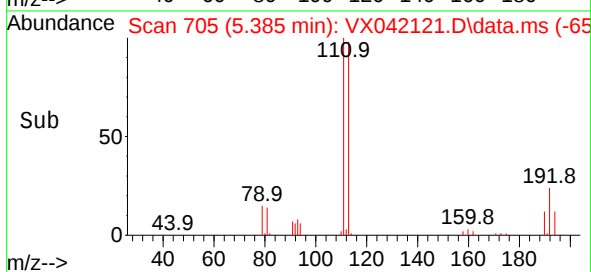
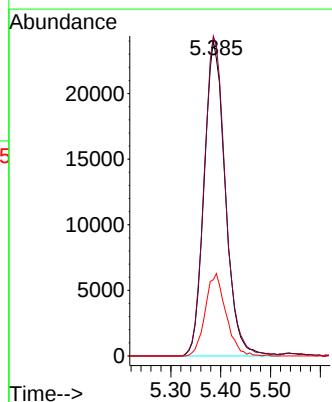
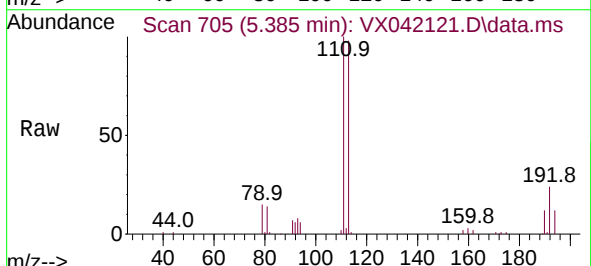
Instrument :
MSVOA_X
ClientSampleId :

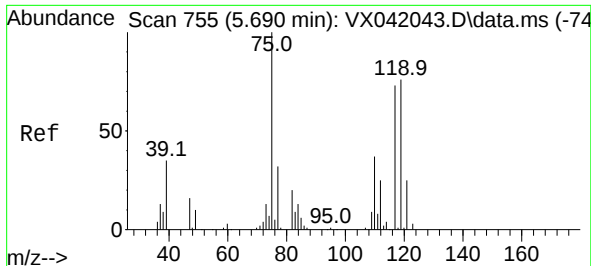
Tgt Ion:114 Resp: 225984
Ion Ratio Lower Upper
114 100
63 17.7 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.142 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Tgt Ion:113 Resp: 70780
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 25.5 13.3 19.9#





#36

1,1-Dichloropropene

Concen: 4.869 ug/l

RT: 5.550 min Scan# 74

Delta R.T. -0.140 min

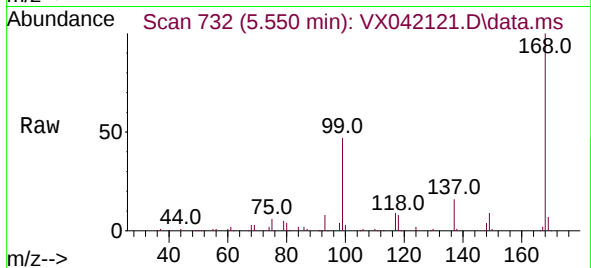
Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :



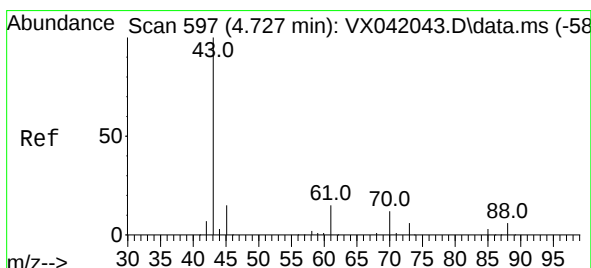
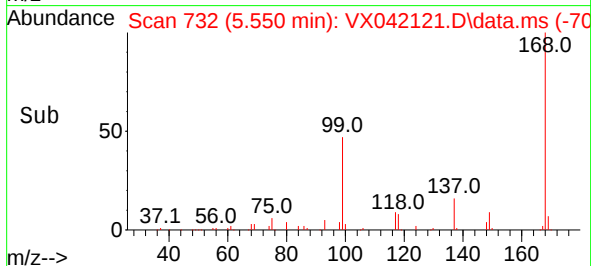
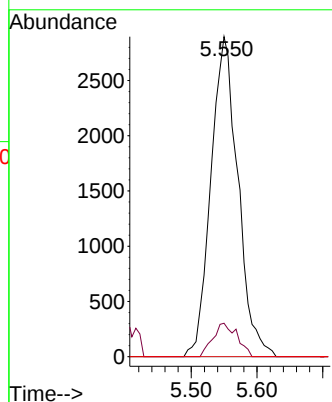
Tgt Ion: 75 Resp: 8290

Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.107 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.024 min

Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

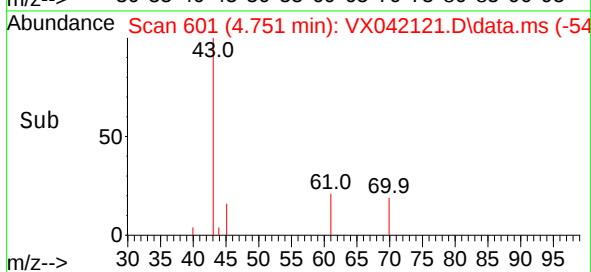
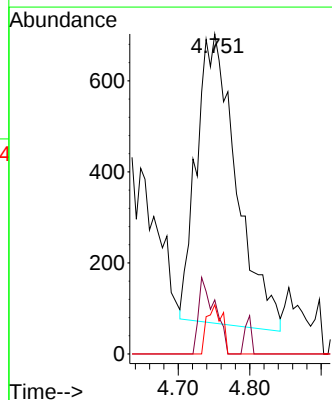
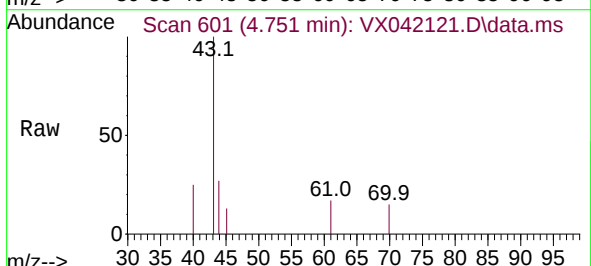
Tgt Ion: 43 Resp: 2456

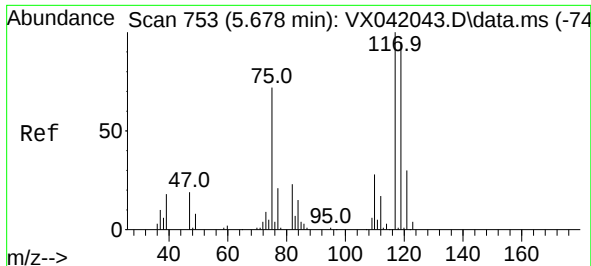
Ion Ratio Lower Upper

43 100

61 10.9 10.6 16.0

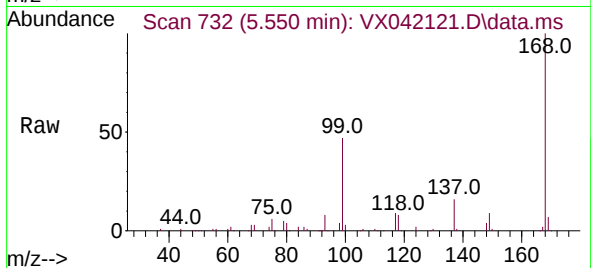
70 6.6 8.3 12.5#



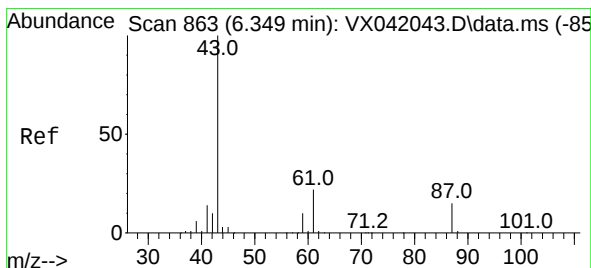
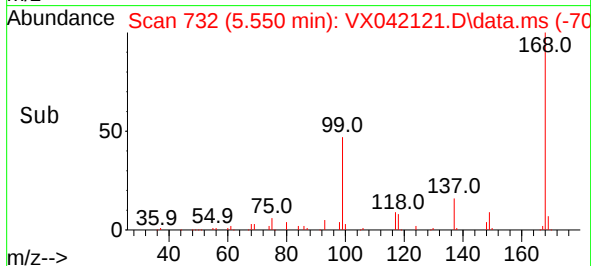
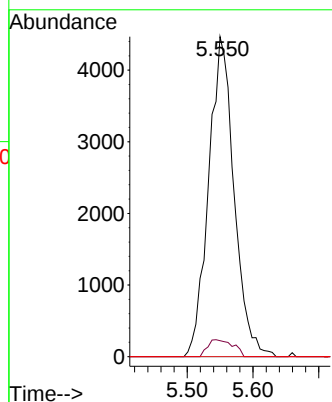


#38
Carbon Tetrachloride
Concen: 6.397 ug/l
RT: 5.550 min Scan# 74
Delta R.T. -0.128 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Instrument :
MSVOA_X
ClientSampleId :

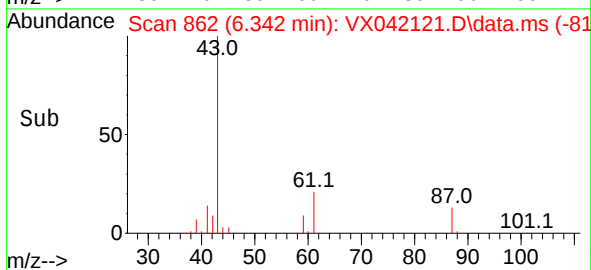
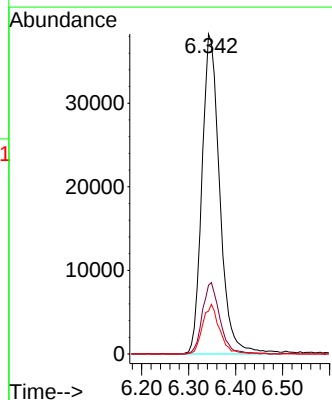
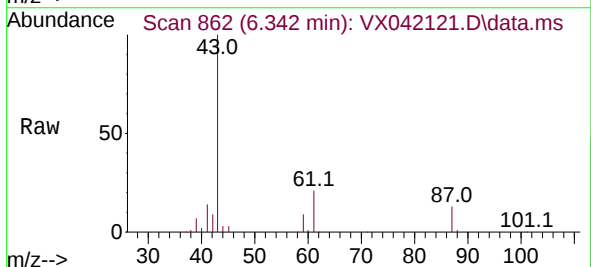


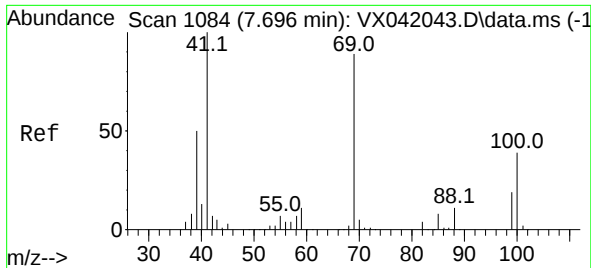
Tgt Ion:117 Resp: 12035
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 29.583 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Tgt Ion: 43 Resp: 100718
Ion Ratio Lower Upper
43 100
61 22.0 15.2 22.8
87 14.8 9.8 14.6#





#48

Methyl methacrylate

Concen: 54.825 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

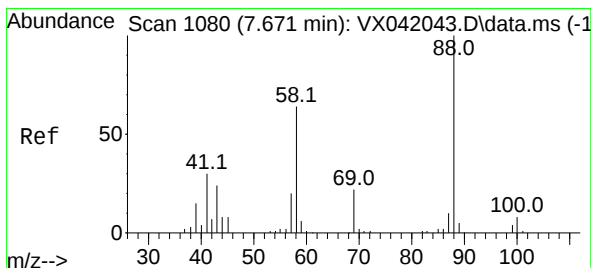
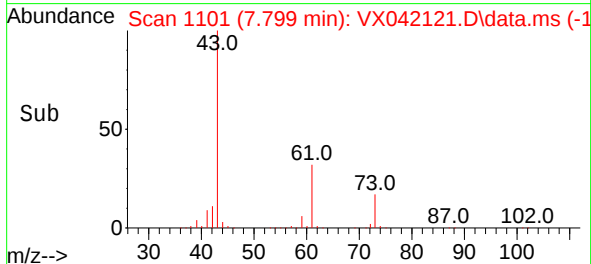
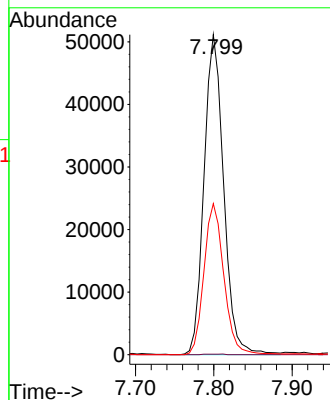
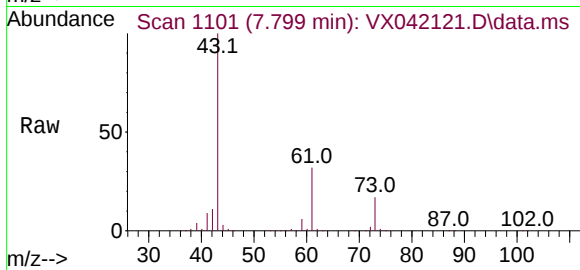
Tgt Ion: 41 Resp: 89082

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 47.9 47.7 71.5



#49

1,4-Dioxane

Concen: 22.872 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

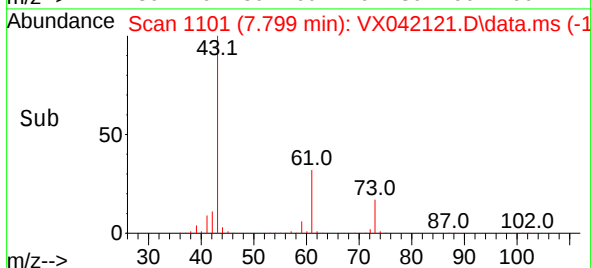
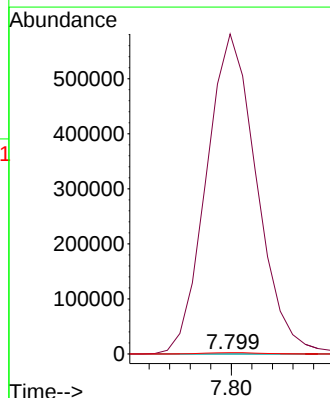
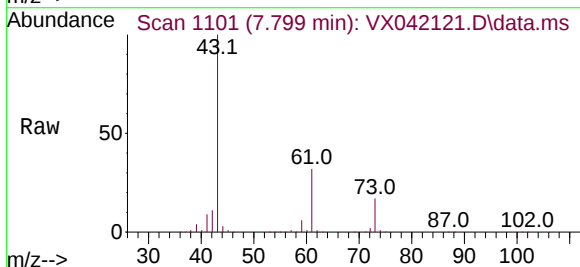
Tgt Ion: 88 Resp: 129

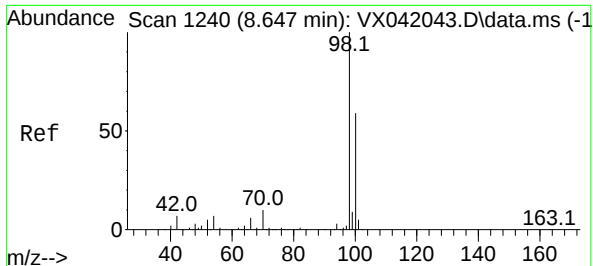
Ion Ratio Lower Upper

88 100

43 778554.3 0.0 0.0#

58 3656.6 60.1 90.1#





#50

Toluene-d8

Concen: 47.952 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

Instrument :

MSVOA_X

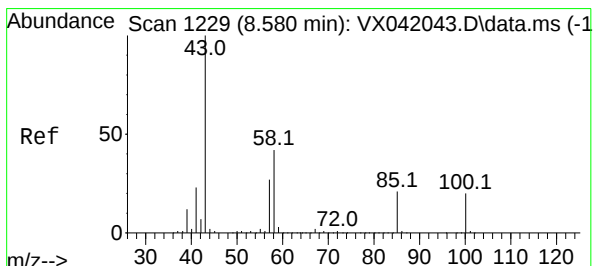
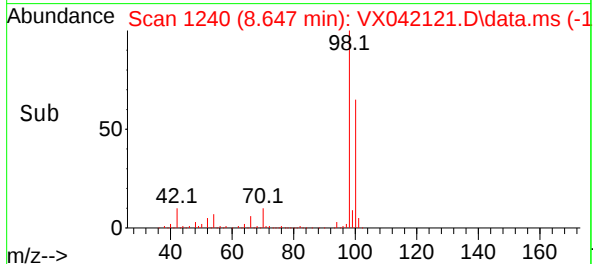
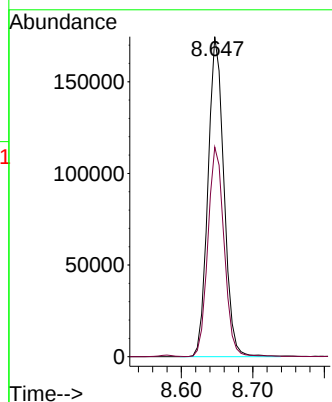
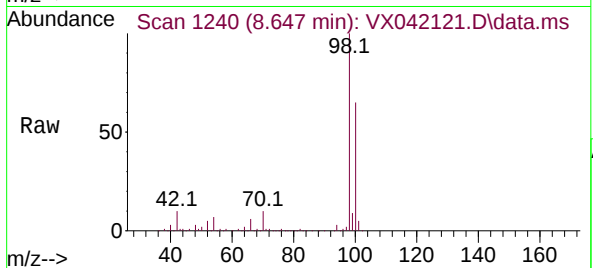
ClientSampleId :

Tgt Ion: 98 Resp: 270121

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 31.996 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.030 min

Lab File: VX042121.D

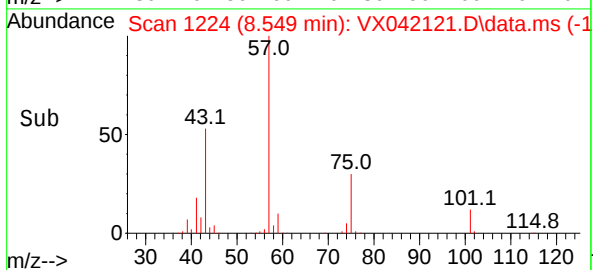
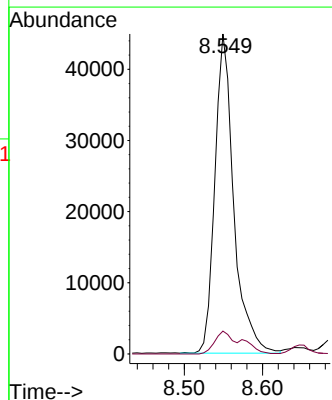
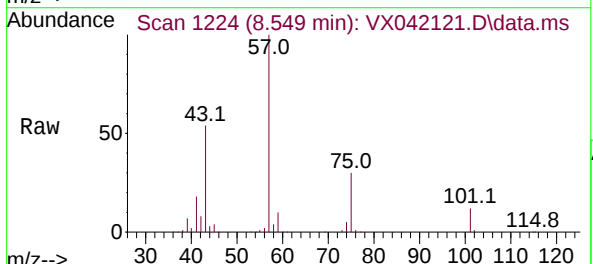
Acq: 01 Jul 2024 17:52

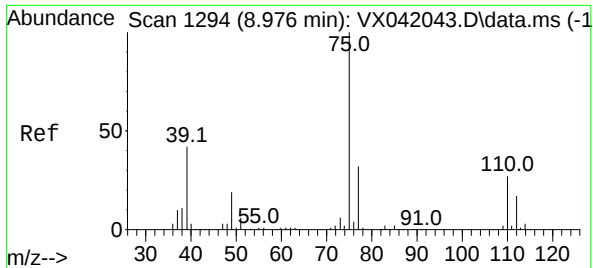
Tgt Ion: 43 Resp: 75038

Ion Ratio Lower Upper

43 100

58 6.9 30.4 45.6#





#53

t-1,3-Dichloropropene

Concen: 1.283 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

Instrument :

MSVOA_X

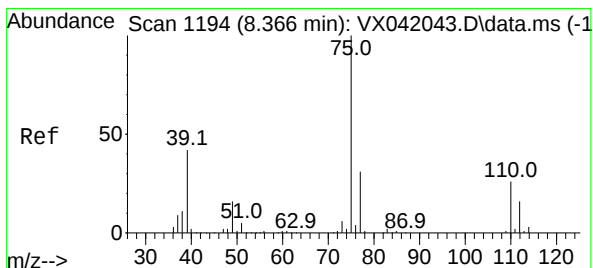
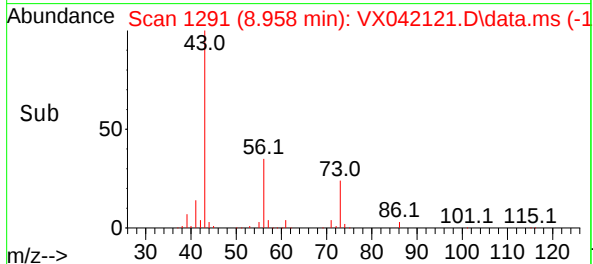
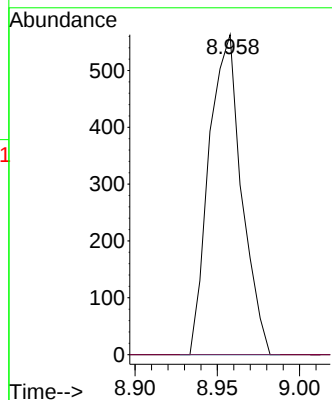
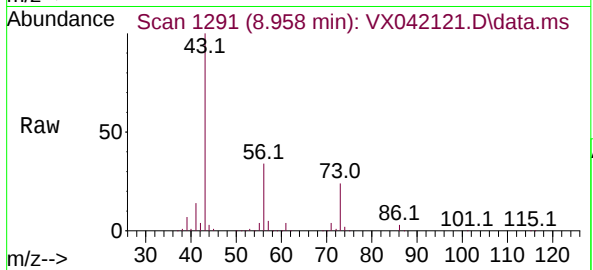
ClientSampleId :

Tgt Ion: 75 Resp: 776

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 19.235 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

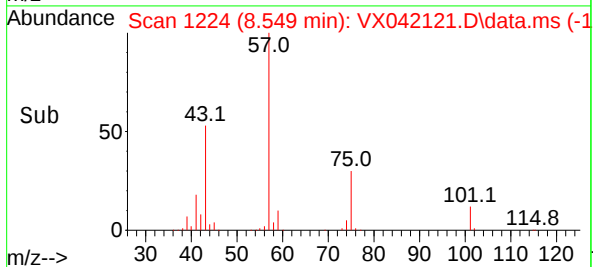
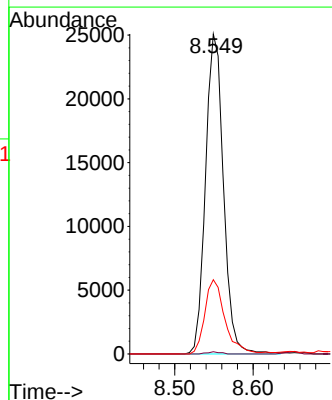
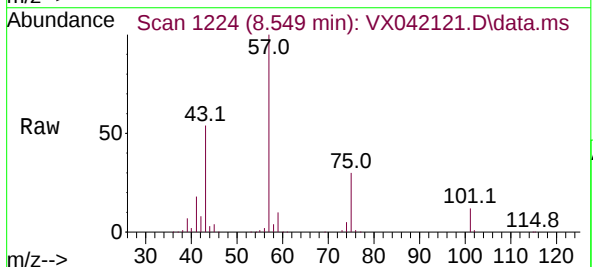
Tgt Ion: 75 Resp: 39778

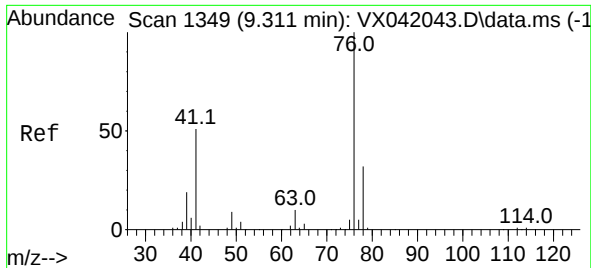
Ion Ratio Lower Upper

75 100

77 0.7 25.3 37.9#

39 23.2 46.7 70.1#

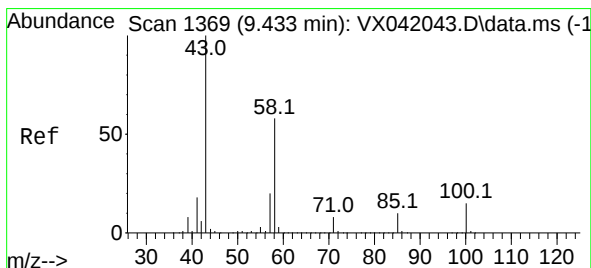
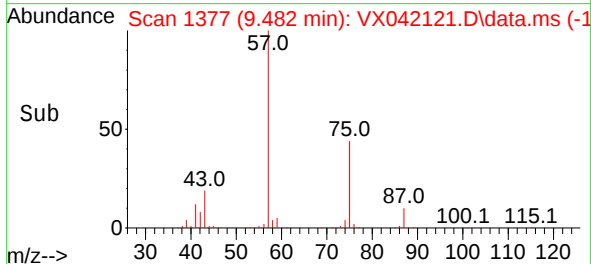
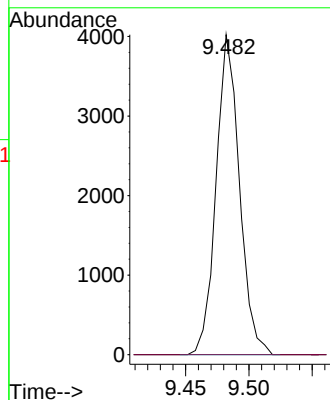
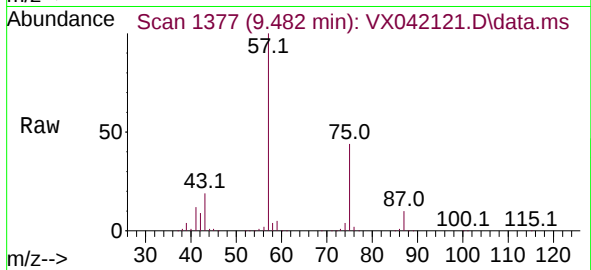




#57
1,3-Dichloropropane
Concen: 2.092 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

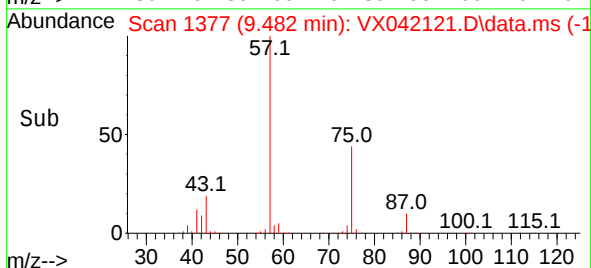
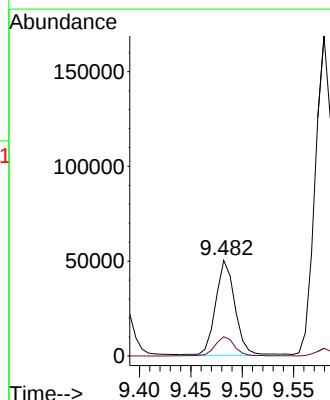
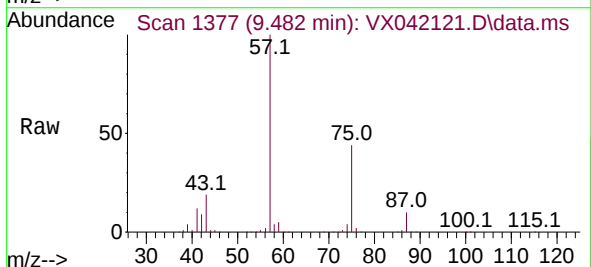
Instrument :
MSVOA_X
ClientSampleId :

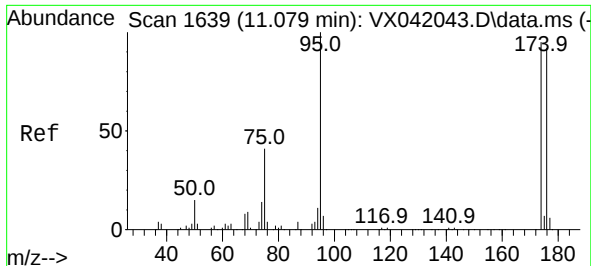
Tgt Ion: 76 Resp: 5150
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 36.722 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Tgt Ion: 43 Resp: 65962
Ion Ratio Lower Upper
43 100
58 20.7 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 49.720 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

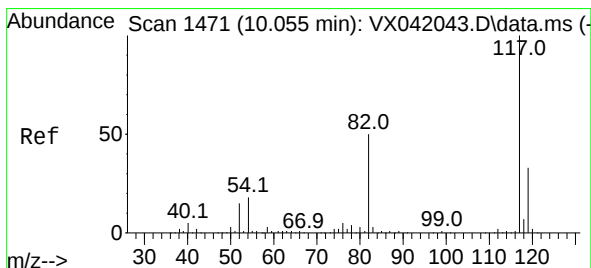
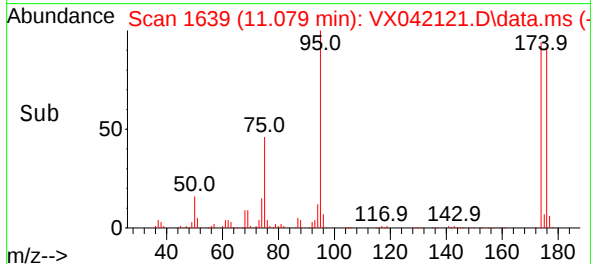
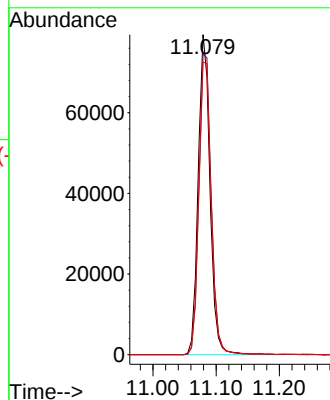
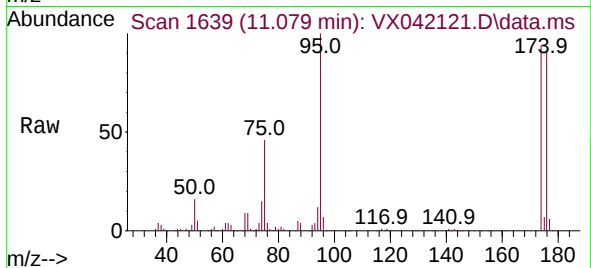
Tgt Ion: 95 Resp: 103243

Ion Ratio Lower Upper

95 100

174 98.4 0.0 135.6

176 96.0 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: VX042121.D

Acq: 01 Jul 2024 17:52

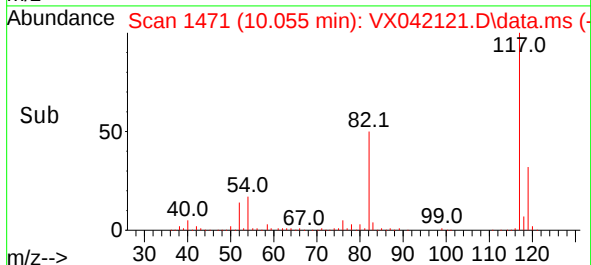
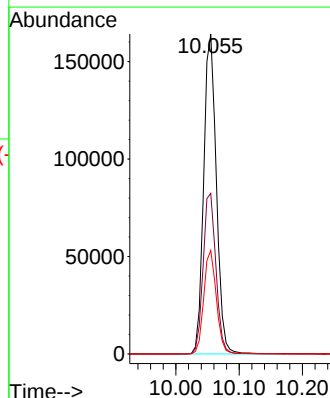
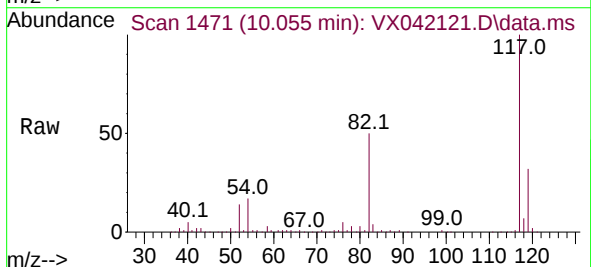
Tgt Ion: 117 Resp: 229232

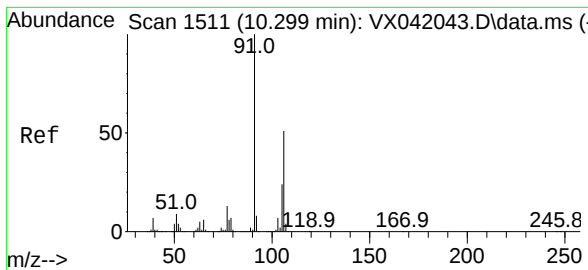
Ion Ratio Lower Upper

117 100

82 50.2 46.2 69.4

119 32.4 25.5 38.3

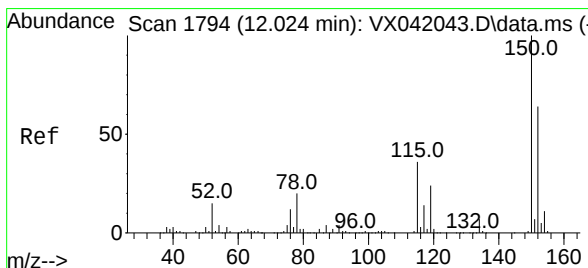
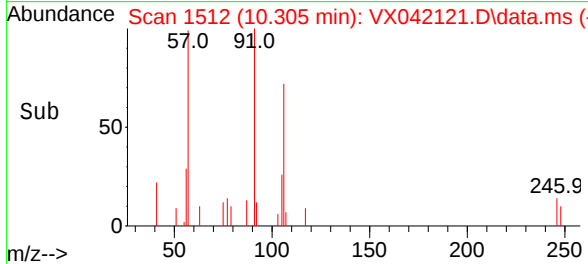
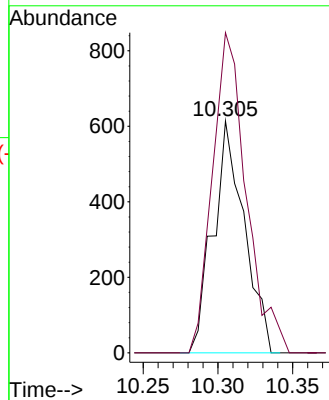
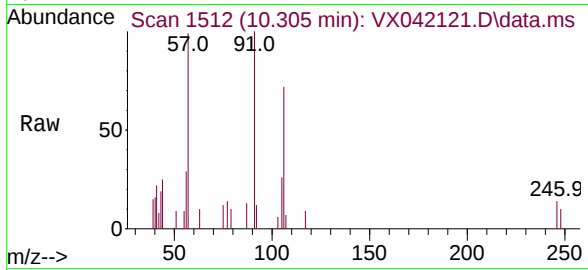




#68
m/p-Xylenes
Concen: 0.295 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

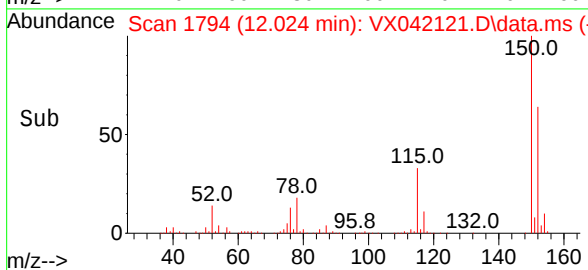
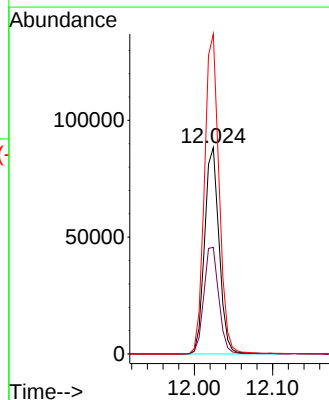
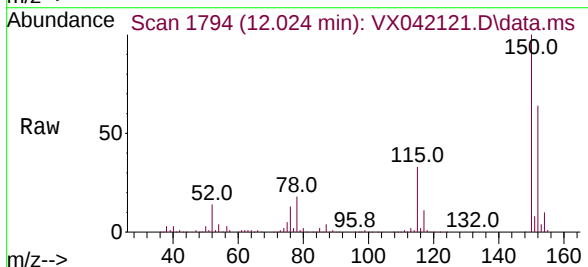
Instrument :
MSVOA_X
ClientSampleId :

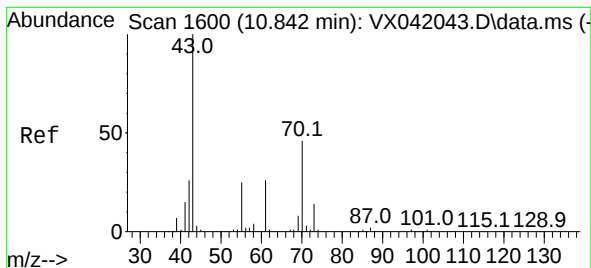
Tgt Ion:106 Resp: 889
Ion Ratio Lower Upper
106 100
91 150.3 165.5 248.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

Tgt Ion:152 Resp: 113669
Ion Ratio Lower Upper
152 100
115 53.5 43.3 129.9
150 156.3 0.0 345.0





#74

N-amyI acetate

Concen: 6.462 ug/l

RT: 10.640 min Scan# 1639

Delta R.T. -0.201 min

Lab File: VX042121.D

Acq: 01 Jul 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 19838

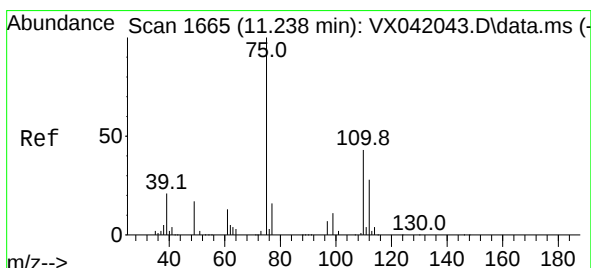
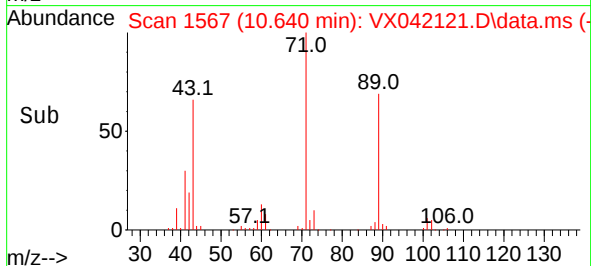
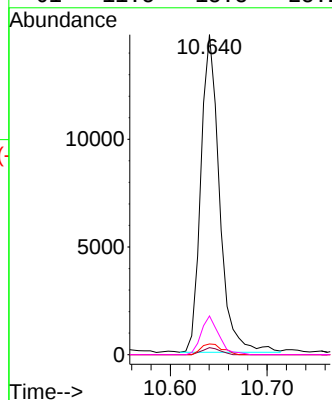
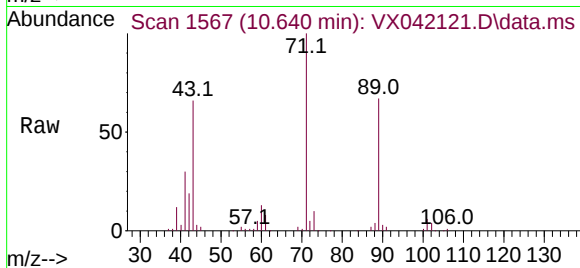
Ion Ratio Lower Upper

43 100

70 2.1 32.9 49.3#

55 3.9 19.3 28.9#

61 11.5 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 22.571 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042121.D

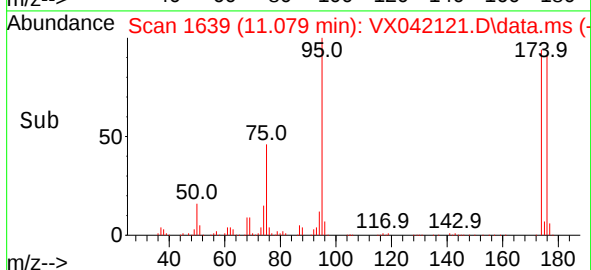
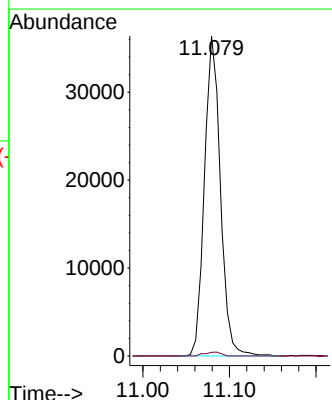
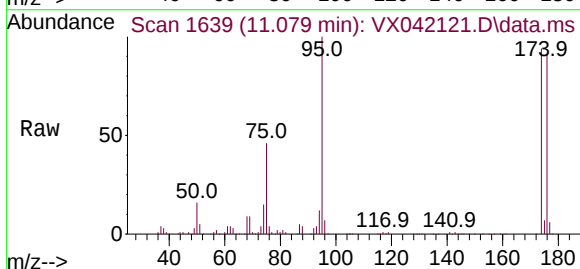
Acq: 01 Jul 2024 17:52

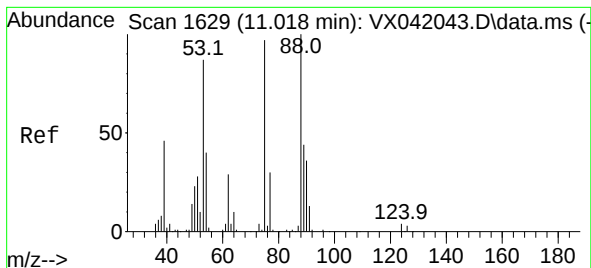
Tgt Ion: 75 Resp: 46577

Ion Ratio Lower Upper

75 100

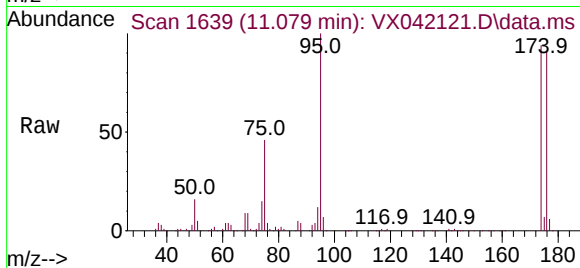
77 1.3 19.1 57.5#



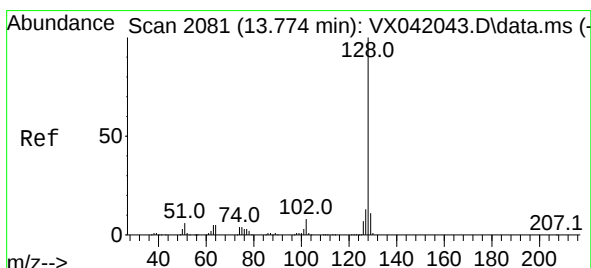
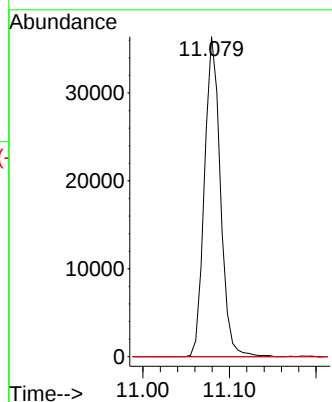
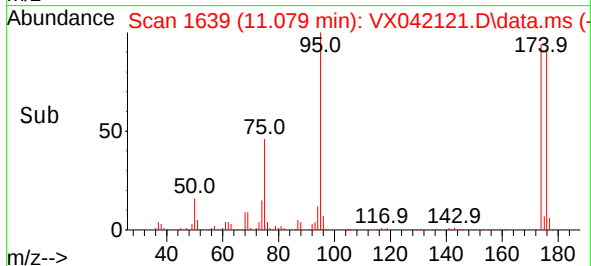


#81
trans-1,4-Dichloro-2-butene
Concen: 64.100 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52

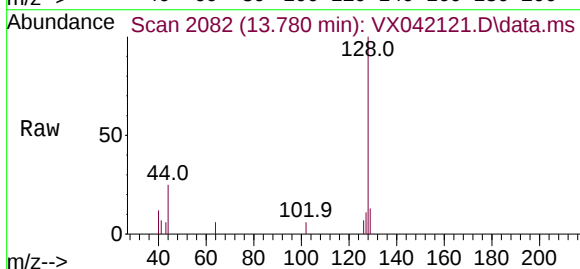
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 46577
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.928 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042121.D
Acq: 01 Jul 2024 17:52



Tgt Ion: 128 Resp: 1490
Ion Ratio Lower Upper
128 100
127 11.3 10.3 15.5
129 7.1 8.8 13.2#

