

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042124.D
 Acq On : 01 Jul 2024 19:02
 Operator : JC/MD
 Sample : P3106-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-3

Quant Time: Jul 02 02:11:07 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	138011	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	212283	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109694	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67894	42.662	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.320%
35) Dibromofluoromethane	5.385	113	67134	44.570	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.140%
50) Toluene-d8	8.647	98	251199	47.471	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.940%
62) 4-Bromofluorobenzene	11.079	95	97509	49.989	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.980%

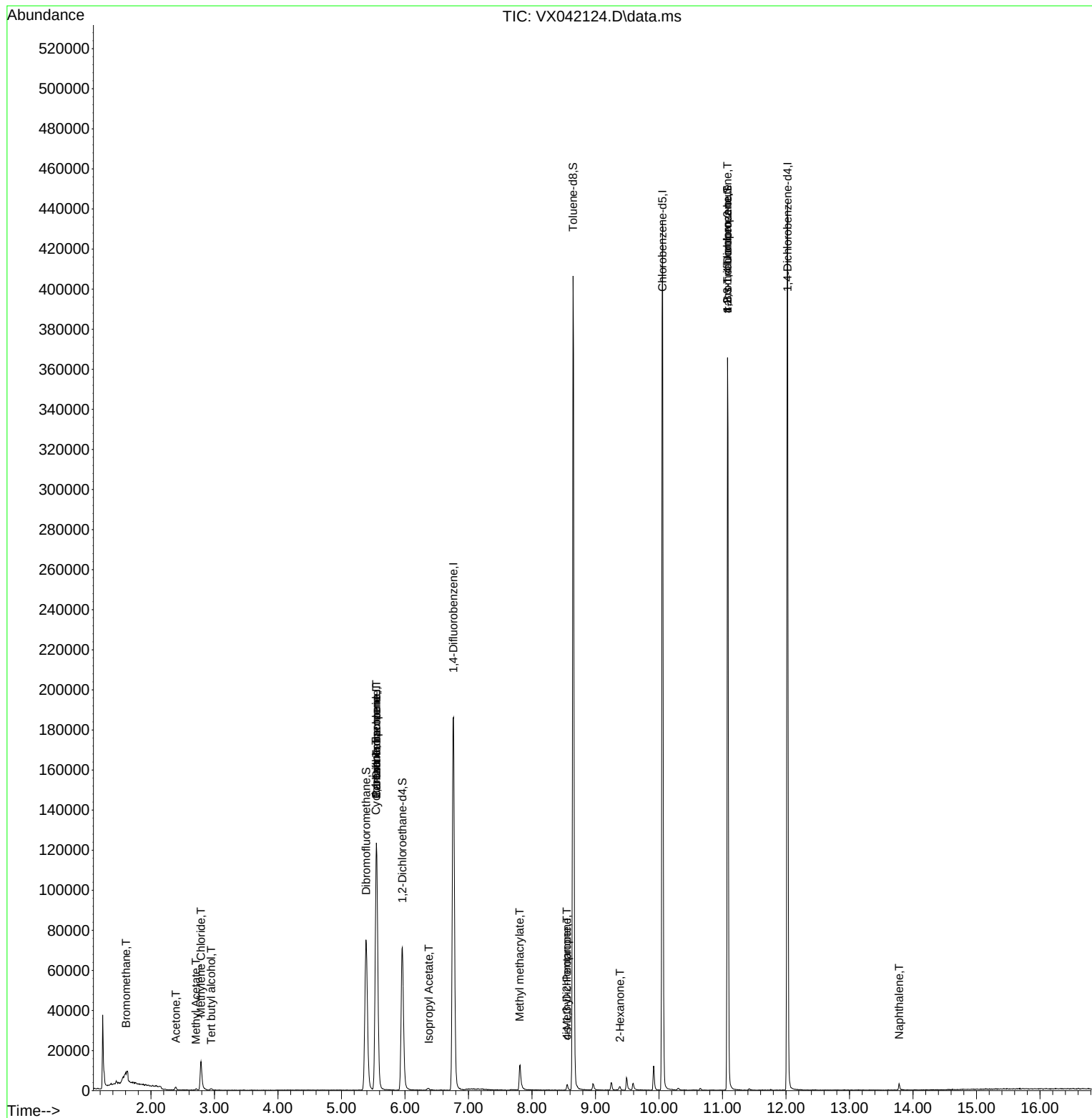
Target Compounds					Qvalue
5) Bromomethane	1.605	94	153	0.234 ug/l	# 71
6) Chloroethane	1.648	64	285	Below Cal	# 43
11) Tert butyl alcohol	2.947	59	485	1.606 ug/l	# 78
16) Acetone	2.392	43	1602	2.292 ug/l	93
18) Methyl Acetate	2.709	43	831	0.436 ug/l	95
20) Methylene Chloride	2.788	84	8297	5.422 ug/l	87
31) Cyclohexane	5.544	56	1797	0.966 ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7813	4.885 ug/l	# 51
38) Carbon Tetrachloride	5.550	117	11234	6.357 ug/l	# 16
43) Isopropyl Acetate	6.373	43	1579	0.494 ug/l	# 90
48) Methyl methacrylate	7.806	41	1401	0.918 ug/l	# 41
51) 4-Methyl-2-Pentanone	8.549	43	1315	0.597 ug/l	# 37
54) cis-1,3-Dichloropropene	8.549	75	487	0.251 ug/l	# 46
59) 2-Hexanone	9.385	43	1714	1.016 ug/l	# 26
76) 1,2,3-Trichloropropane	11.079	75	43763	21.976 ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	43763	62.410 ug/l	# 5
95) Naphthalene	13.780	128	2974	1.120 ug/l	97

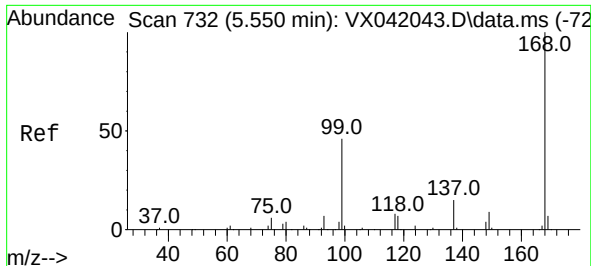
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jul 02 02:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration

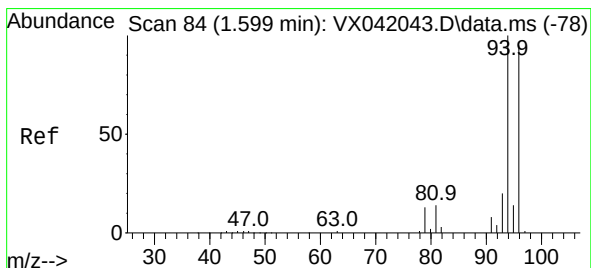
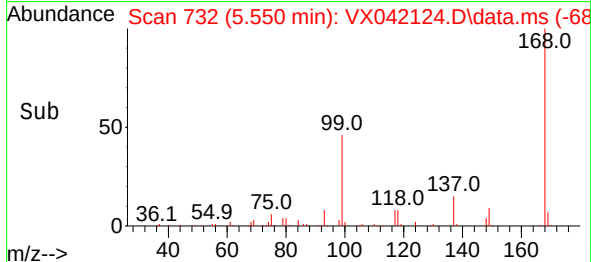
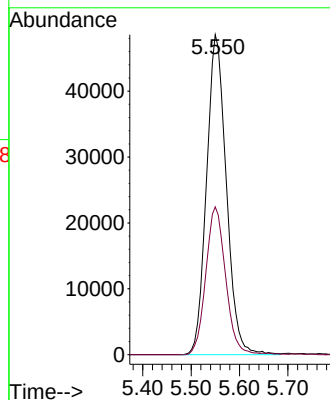
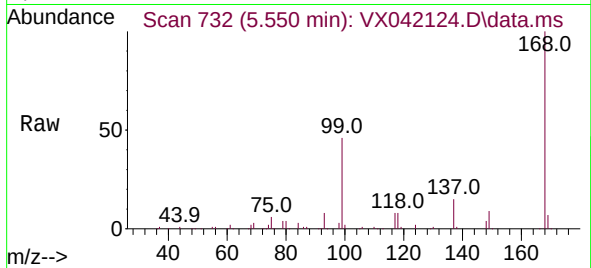




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 74
Delta R.T. -0.000 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

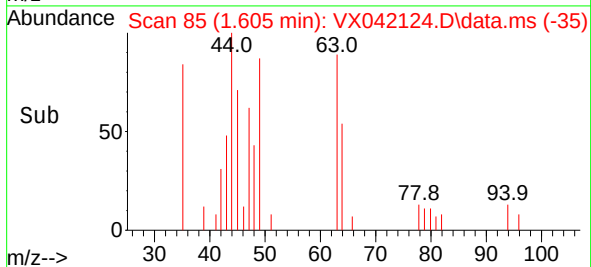
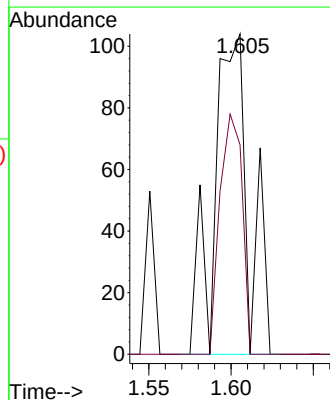
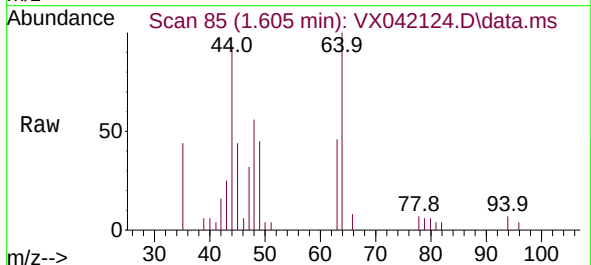
Instrument :
MSVOA_X
ClientSampleId :
S-3

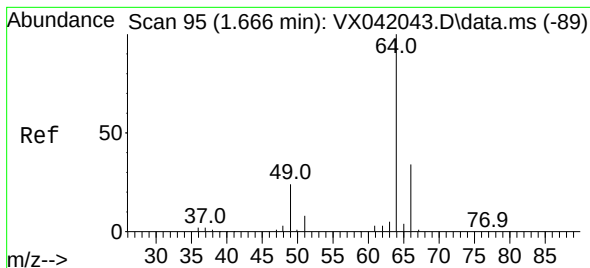
Tgt Ion:168 Resp: 138011
Ion Ratio Lower Upper
168 100
99 46.2 56.6 85.0#



#5
Bromomethane
Concen: 0.234 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 65.4 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.648 min Scan# 91

Delta R.T. -0.012 min

Lab File: VX042124.D

Acq: 01 Jul 2024 19:02

Instrument :

MSVOA_X

ClientSampleId :

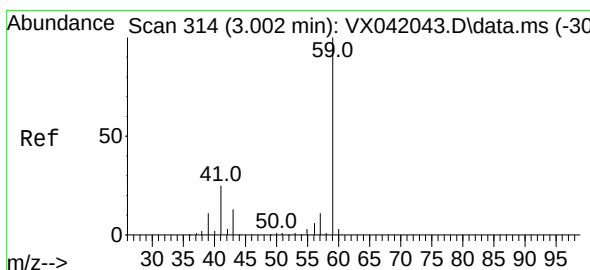
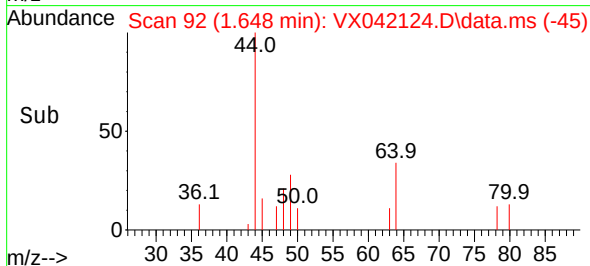
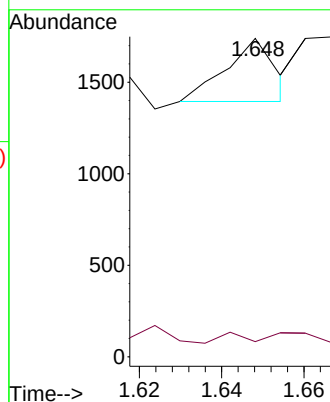
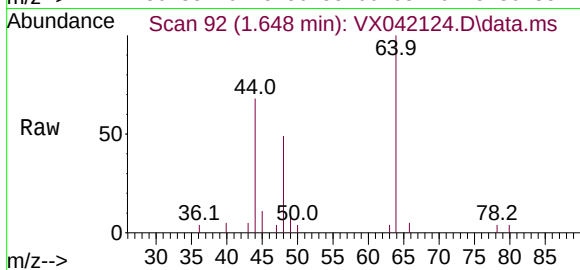
S-3

Tgt Ion: 64 Resp: 285

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.606 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.061 min

Lab File: VX042124.D

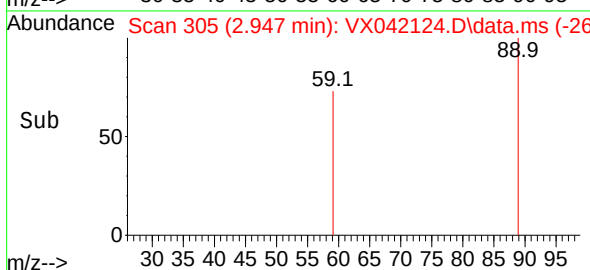
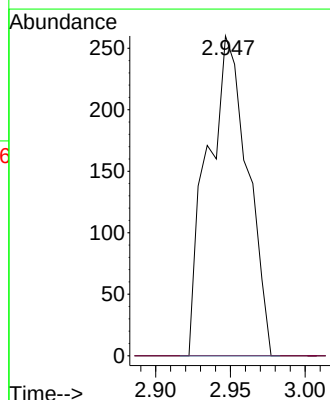
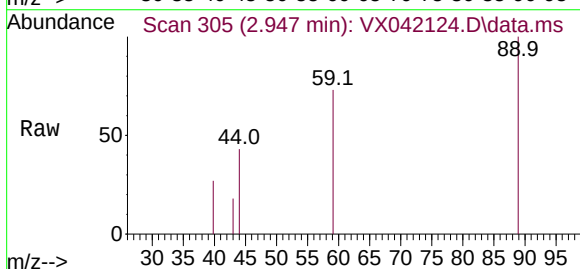
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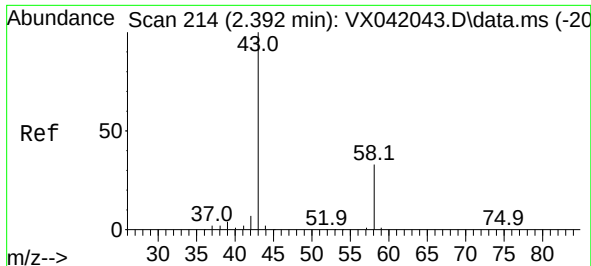
Tgt Ion: 59 Resp: 485

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

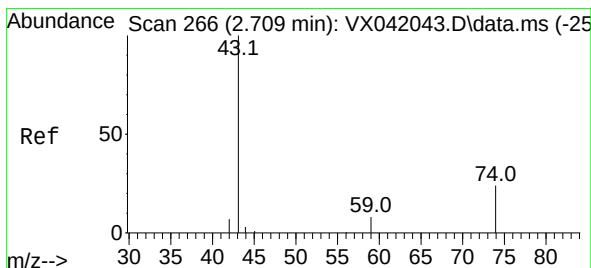
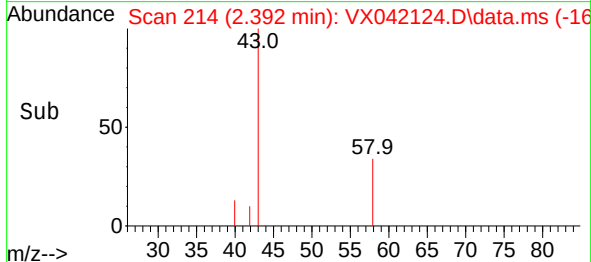
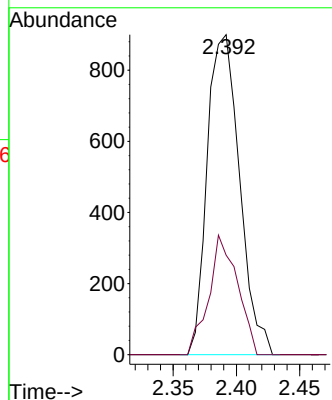
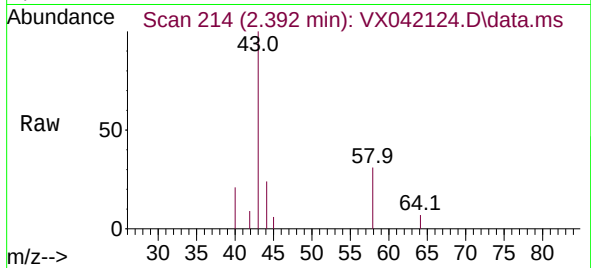




#16
Acetone
Concen: 2.292 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

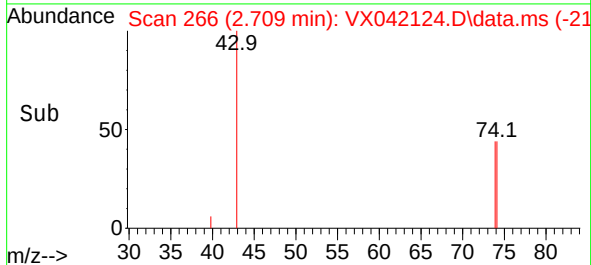
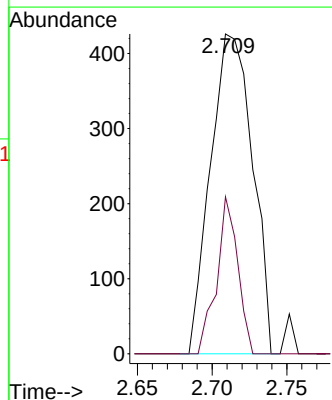
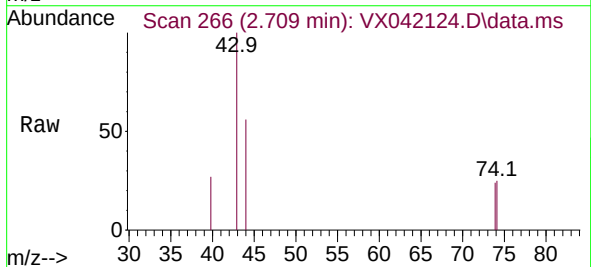
Instrument :
MSVOA_X
ClientSampleId :
S-3

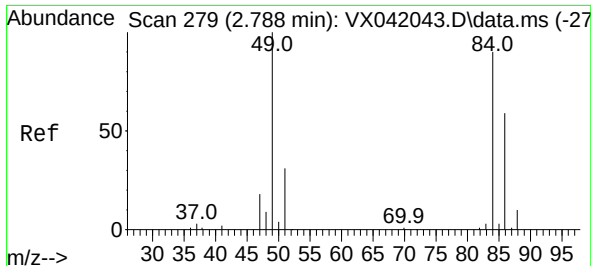
Tgt Ion: 43 Resp: 1602
Ion Ratio Lower Upper
43 100
58 31.1 21.9 32.9



#18
Methyl Acetate
Concen: 0.436 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
74 24.5 17.8 26.8





#20

Methylene Chloride

Concen: 5.422 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX042124.D

Acq: 01 Jul 2024 19:02

Instrument :

MSVOA_X

ClientSampleId :

S-3

Tgt Ion: 84 Resp: 8297

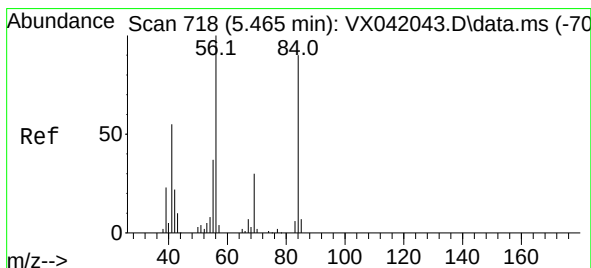
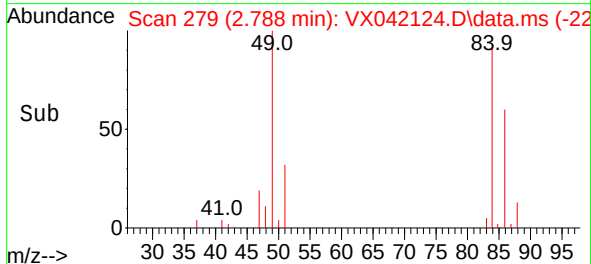
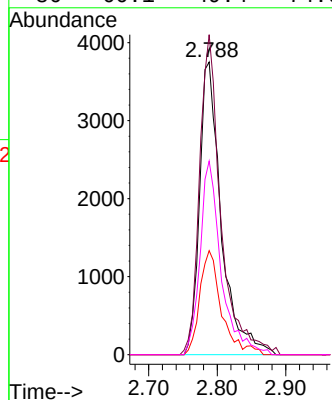
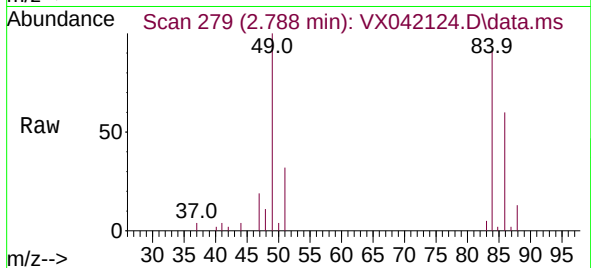
Ion Ratio Lower Upper

84 100

49 109.3 103.6 155.4

51 35.5 33.8 50.6

86 66.1 49.4 74.0



#31

Cyclohexane

Concen: 0.966 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX042124.D

Acq: 01 Jul 2024 19:02

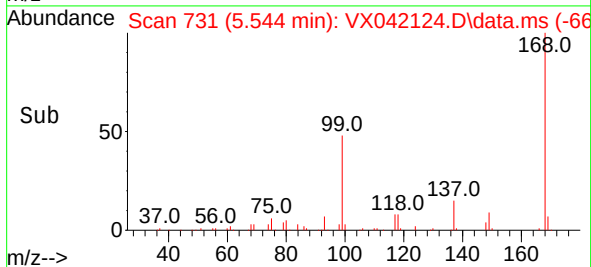
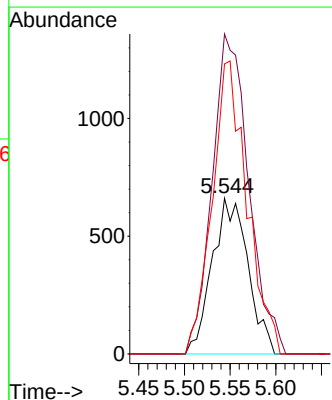
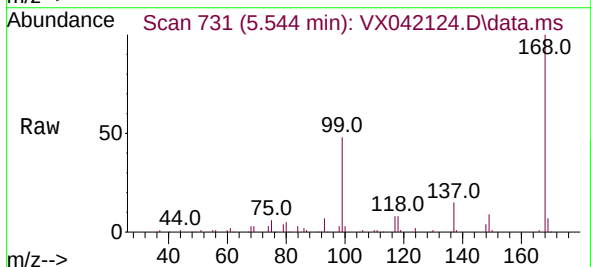
Tgt Ion: 56 Resp: 1797

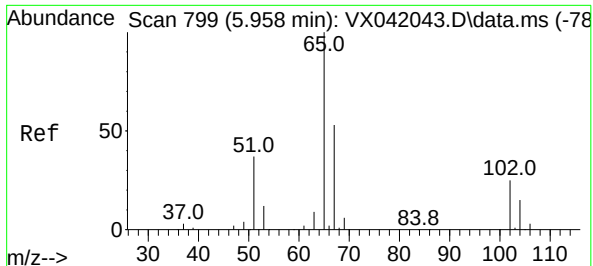
Ion Ratio Lower Upper

56 100

69 205.6 23.4 35.2#

84 186.4 65.9 98.9#

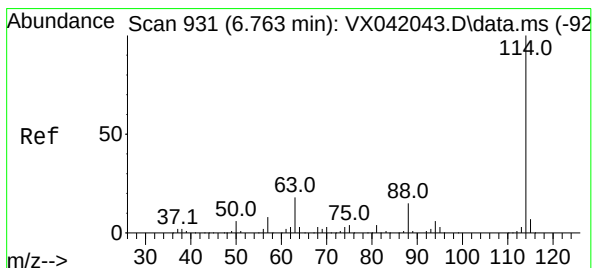
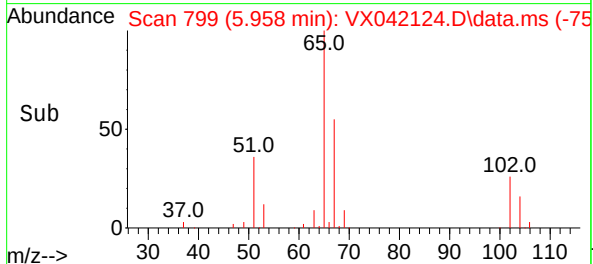
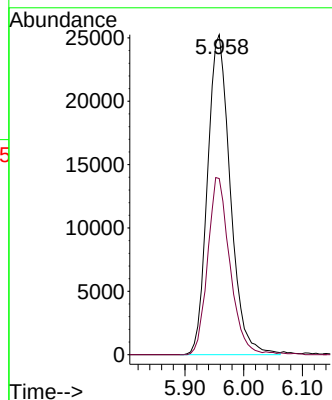
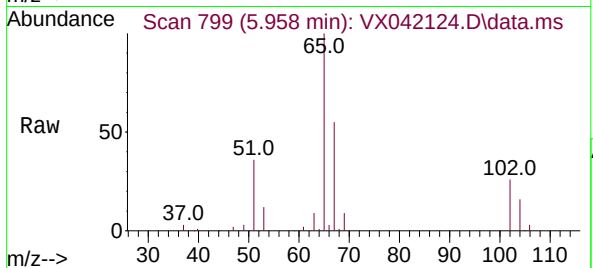




#33
 1,2-Dichloroethane-d4
 Concen: 42.662 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX042124.D
 Acq: 01 Jul 2024 19:02

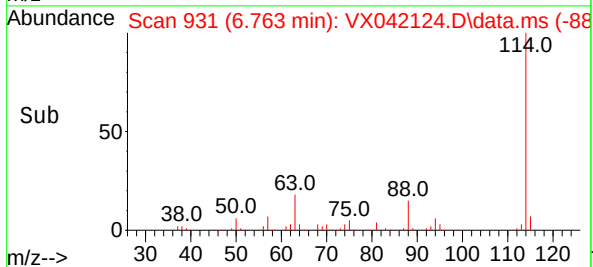
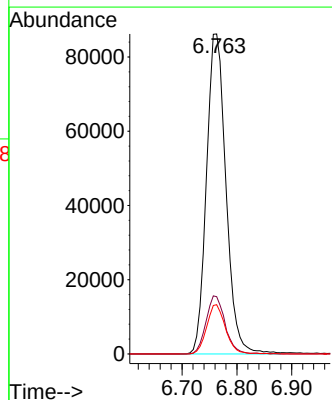
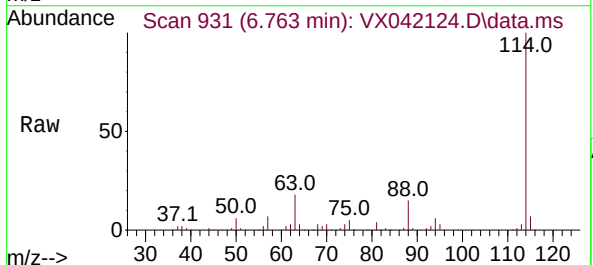
Instrument :
 MSVOA_X
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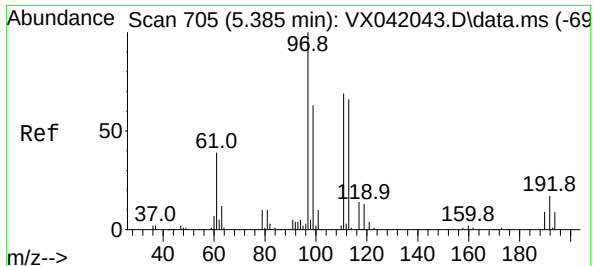
Tgt Ion: 65 Resp: 67894
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX042124.D
 Acq: 01 Jul 2024 19:02

Tgt Ion: 114 Resp: 212283
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 45.0
 88 15.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.570 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX042124.D

Acq: 01 Jul 2024 19:02

Instrument :

MSVOA_X

ClientSampleId :

S-3

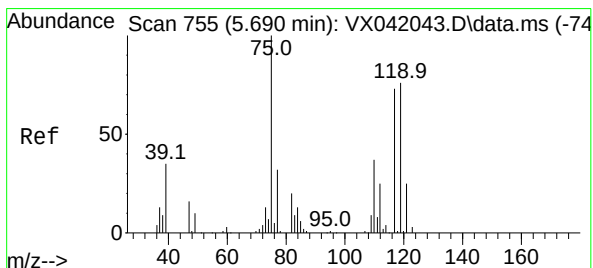
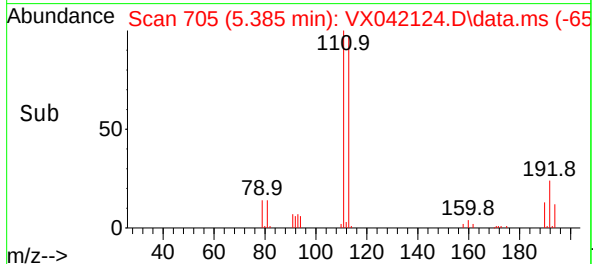
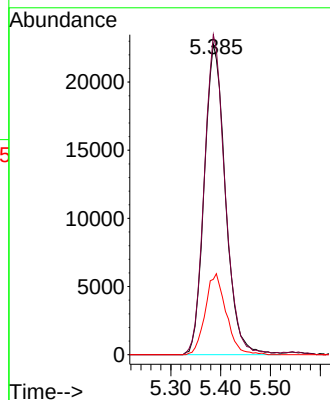
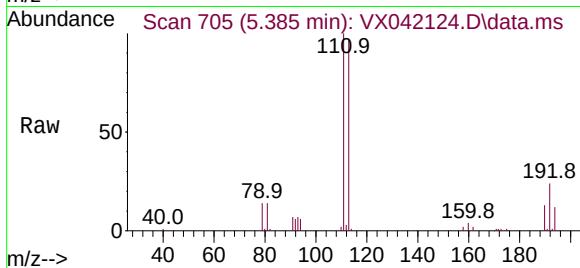
Tgt Ion:113 Resp: 67134

Ion Ratio Lower Upper

113 100

111 101.4 82.9 124.3

192 25.7 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.885 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX042124.D

Acq: 01 Jul 2024 19:02

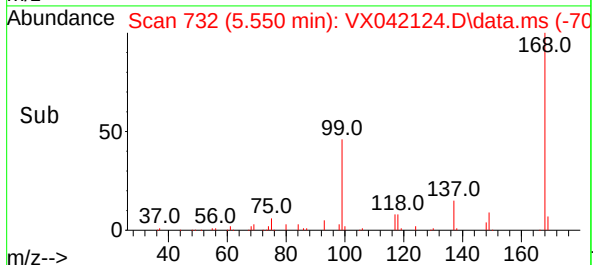
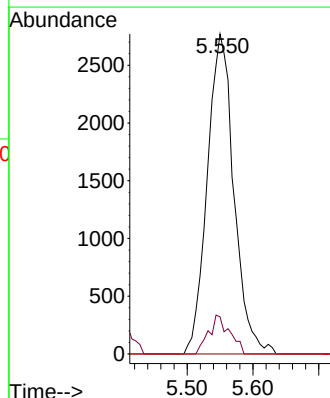
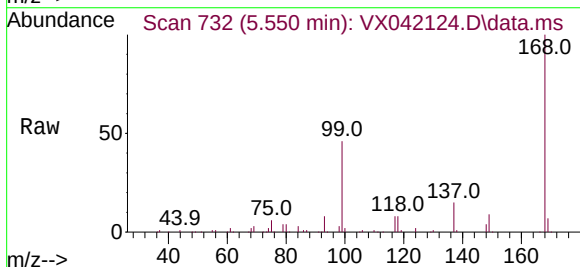
Tgt Ion: 75 Resp: 7813

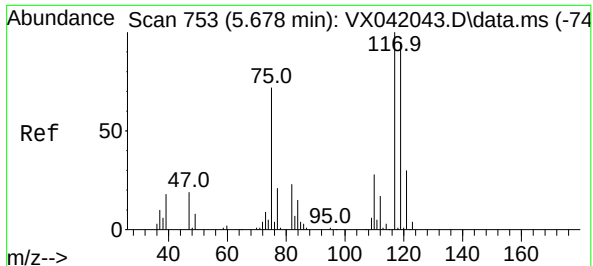
Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

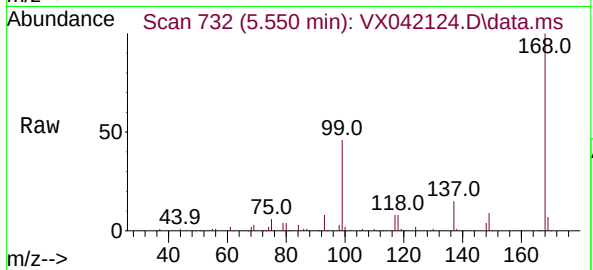
77 0.0 24.7 37.1#



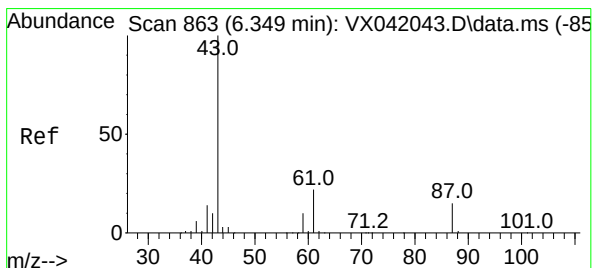
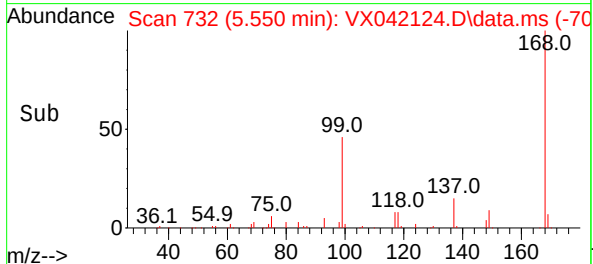
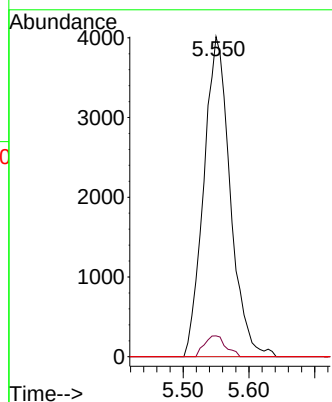


#38
Carbon Tetrachloride
Concen: 6.357 ug/l
RT: 5.550 min Scan# 74
Delta R.T. -0.128 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

Instrument :
MSVOA_X
ClientSampleId :
S-3

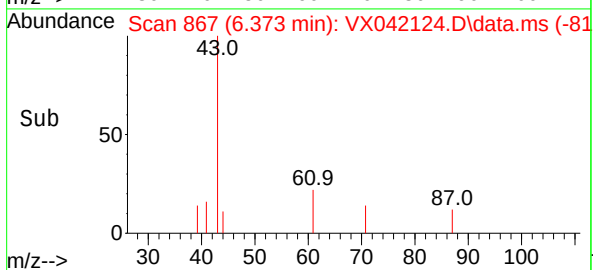
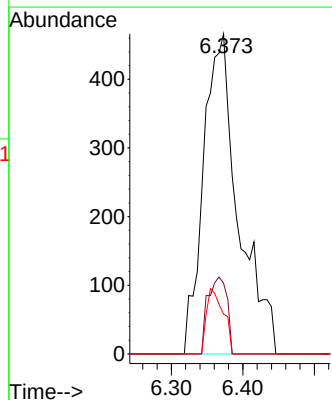
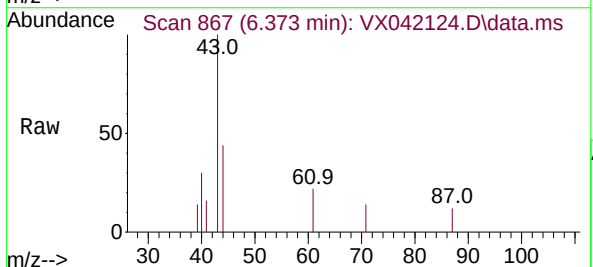


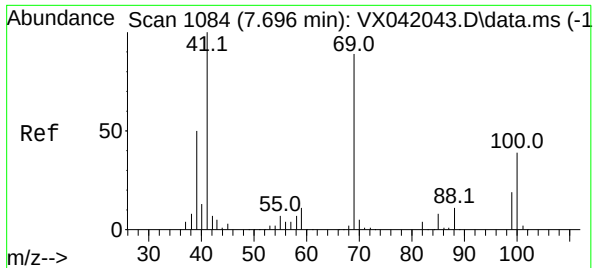
Tgt Ion:117 Resp: 11234
Ion Ratio Lower Upper
117 100
119 6.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.494 ug/l
RT: 6.373 min Scan# 867
Delta R.T. 0.025 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
61 13.2 15.2 22.8#
87 9.8 9.8 14.6





#48

Methyl methacrylate

Concen: 0.918 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.110 min

Lab File: VX042124.D

Acq: 01 Jul 2024 19:02

Instrument :

MSVOA_X

ClientSampleId :

S-3

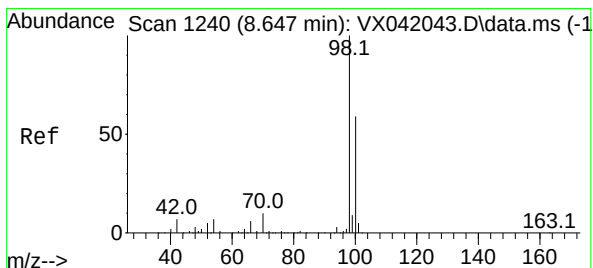
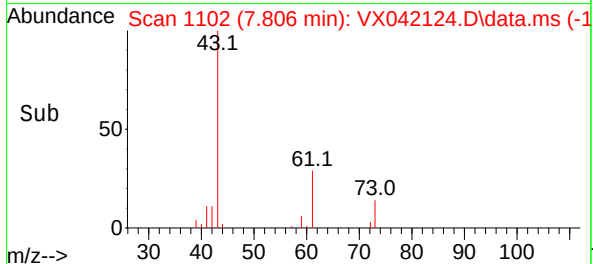
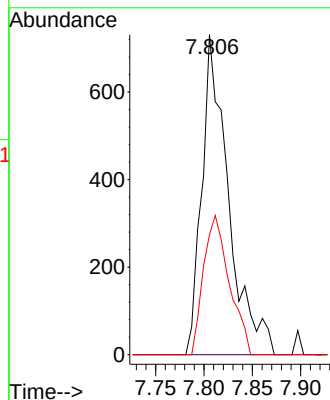
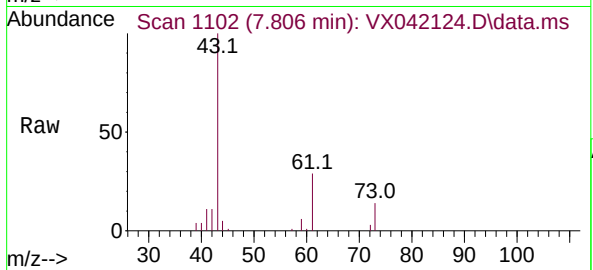
Tgt Ion: 41 Resp: 1401

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 42.0 47.7 71.5#



#50

Toluene-d8

Concen: 47.471 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX042124.D

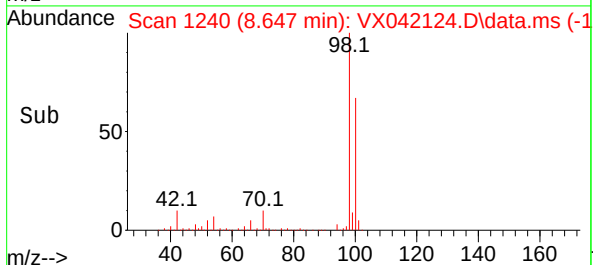
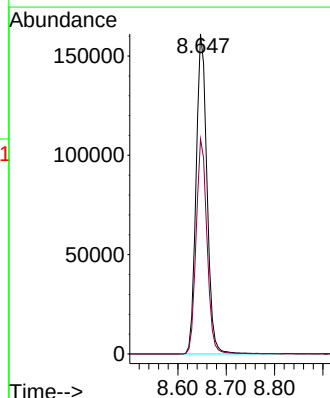
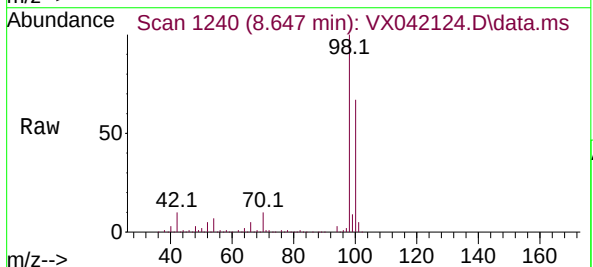
Acq: 01 Jul 2024 19:02

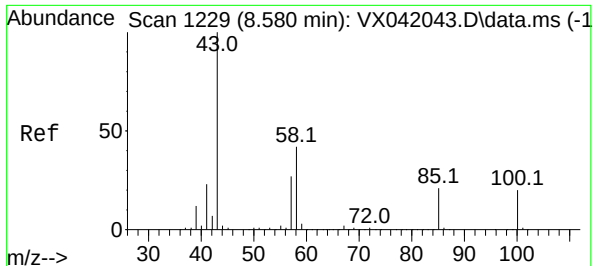
Tgt Ion: 98 Resp: 251199

Ion Ratio Lower Upper

98 100

100 67.2 53.1 79.7

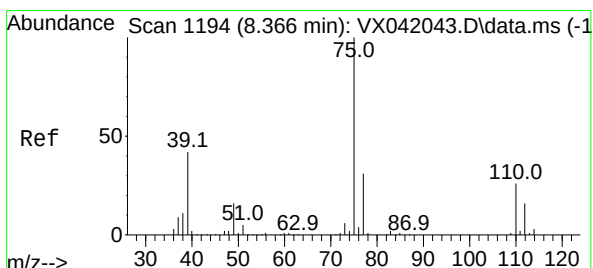
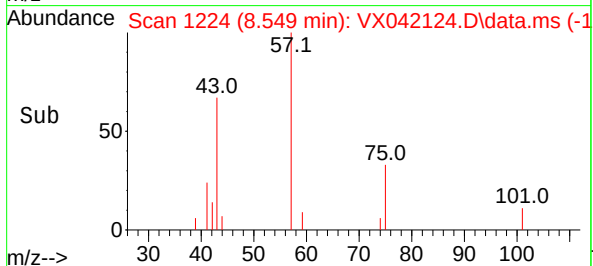
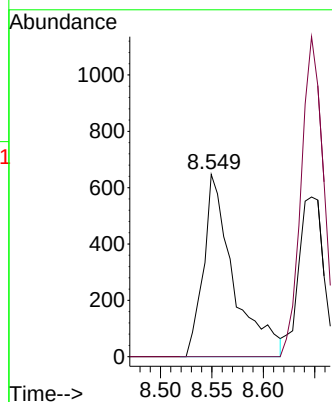
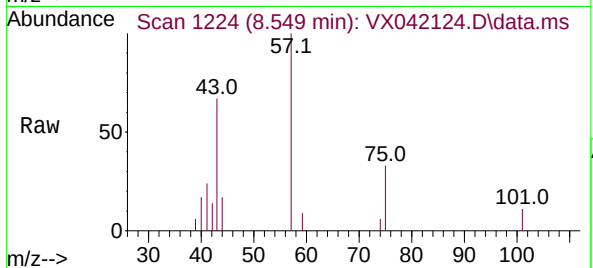




#51
4-Methyl-2-Pentanone
Concen: 0.597 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

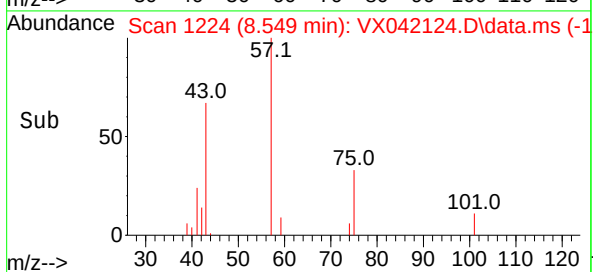
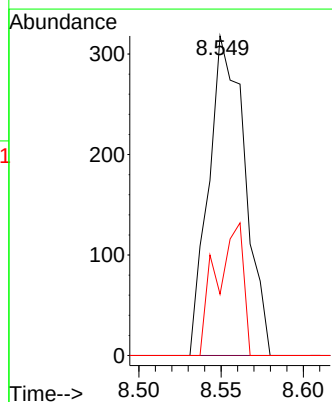
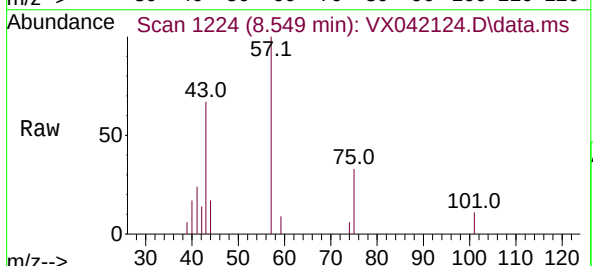
Instrument :
MSVOA_X
ClientSampleId :
S-3

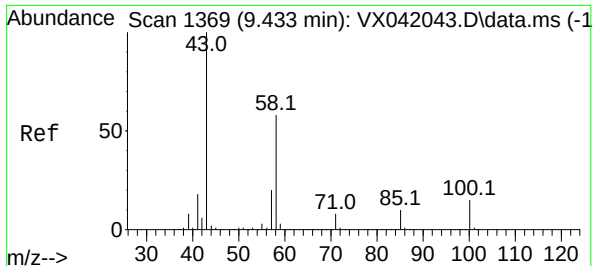
Tgt Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

Tgt Ion: 75 Resp: 487
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 19.2 46.7 70.1#

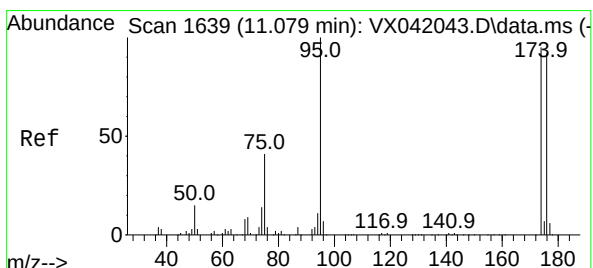
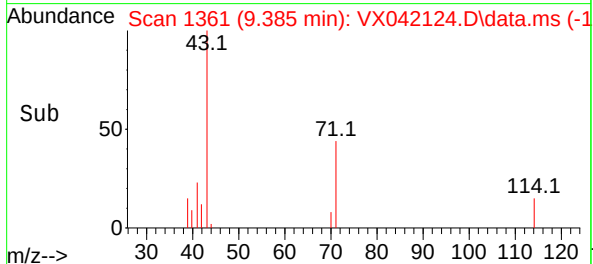
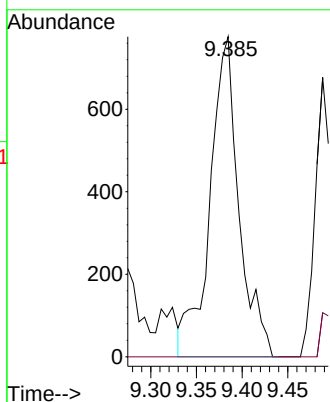
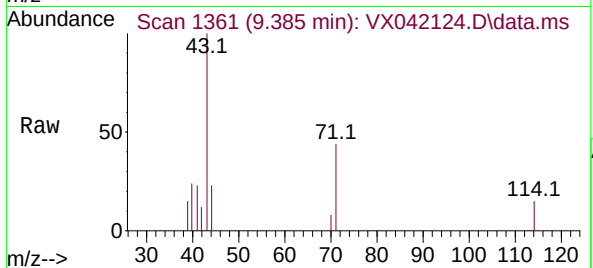




#59
2-Hexanone
Concen: 1.016 ug/l
RT: 9.385 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

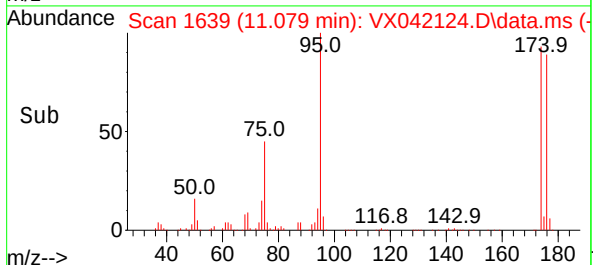
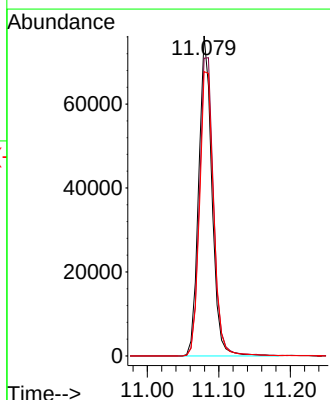
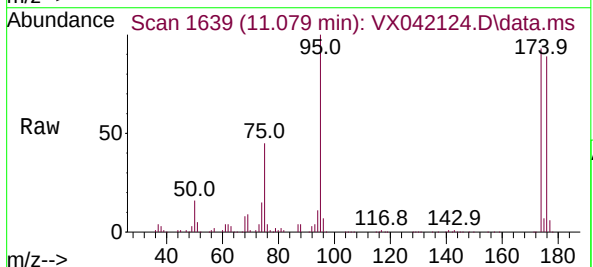
Instrument :
MSVOA_X
ClientSampleId :
S-3

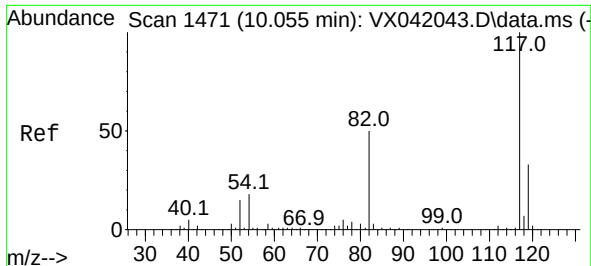
Tgt Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.989 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

Tgt Ion: 95 Resp: 97509
Ion Ratio Lower Upper
95 100
174 100.1 0.0 135.6
176 95.2 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042124.D

Acq: 01 Jul 2024 19:02

Instrument :

MSVOA_X

ClientSampleId :

S-3

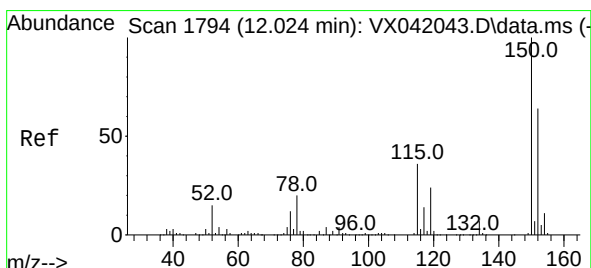
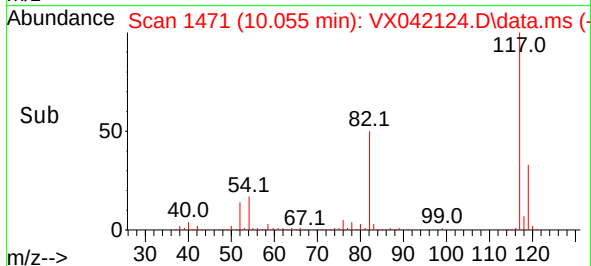
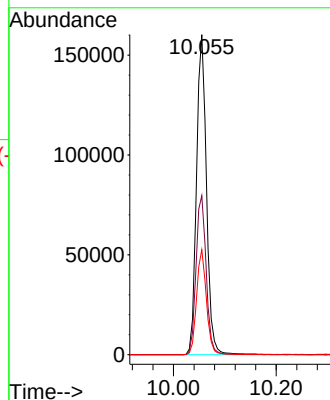
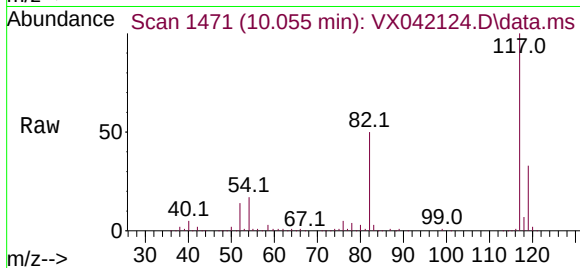
Tgt Ion:117 Resp: 216692

Ion Ratio Lower Upper

117 100

82 49.7 46.2 69.4

119 32.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX042124.D

Acq: 01 Jul 2024 19:02

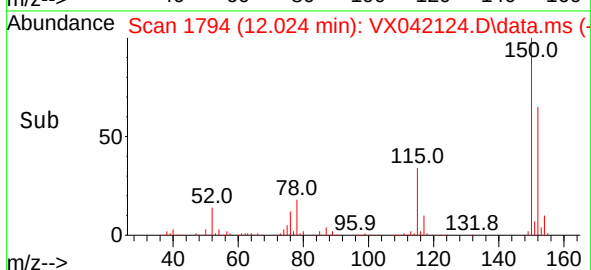
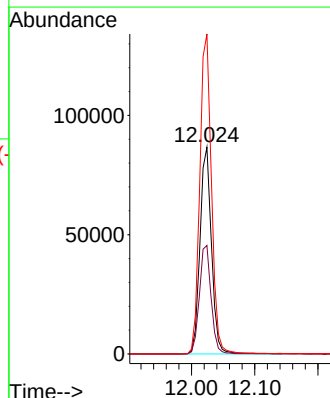
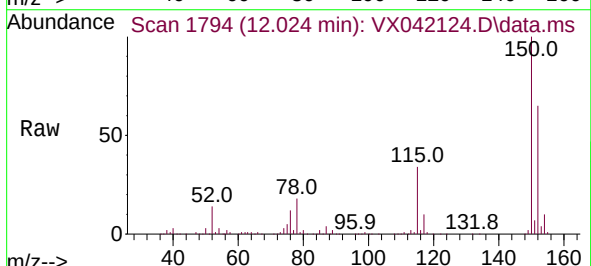
Tgt Ion:152 Resp: 109694

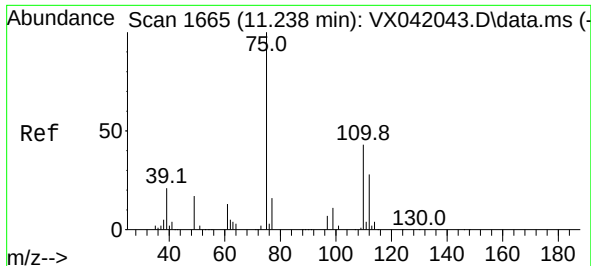
Ion Ratio Lower Upper

152 100

115 53.6 43.3 129.9

150 157.2 0.0 345.0

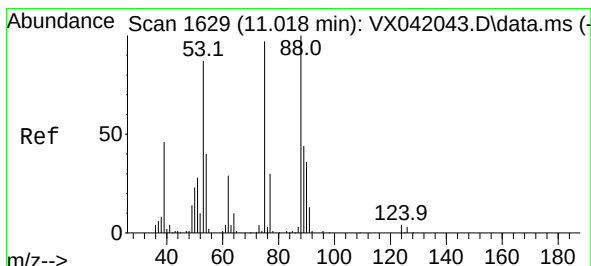
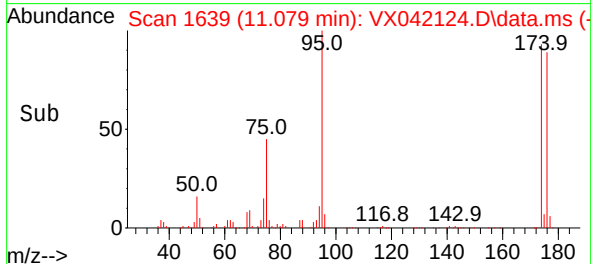
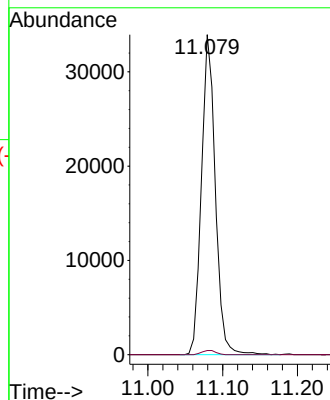
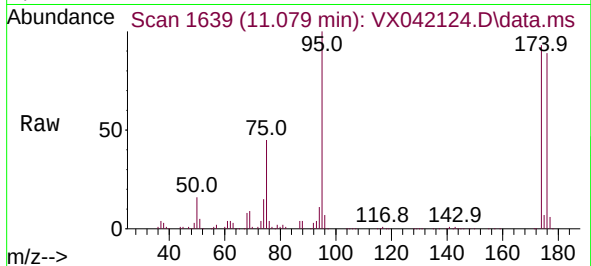




#76
1,2,3-Trichloropropane
Concen: 21.976 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

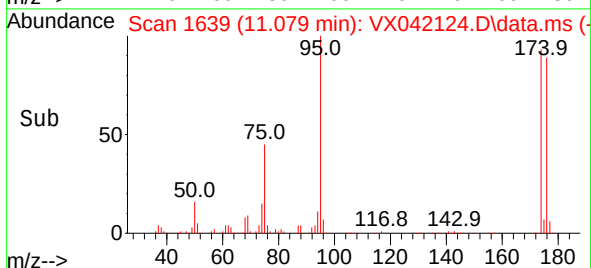
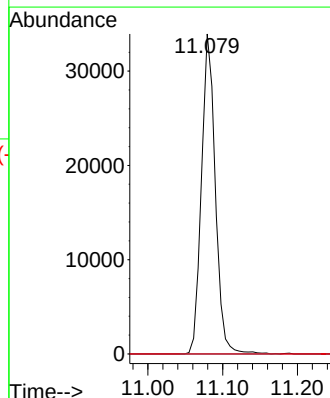
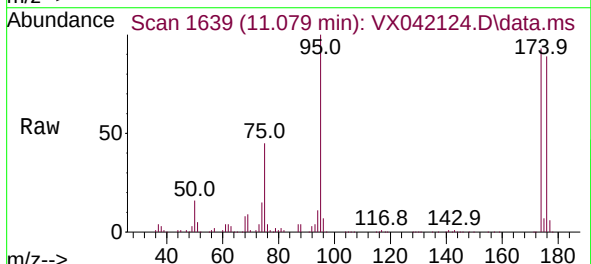
Instrument :
MSVOA_X
ClientSampleId :
S-3

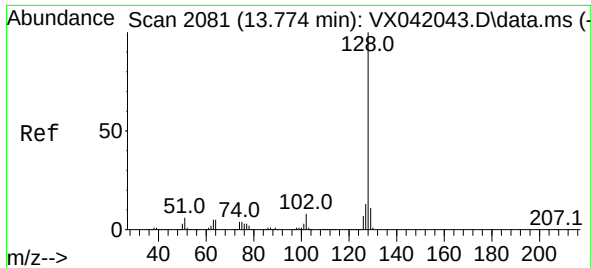
Tgt Ion: 75 Resp: 43763
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.410 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042124.D
Acq: 01 Jul 2024 19:02

Tgt Ion: 75 Resp: 43763
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 1.120 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042124.D

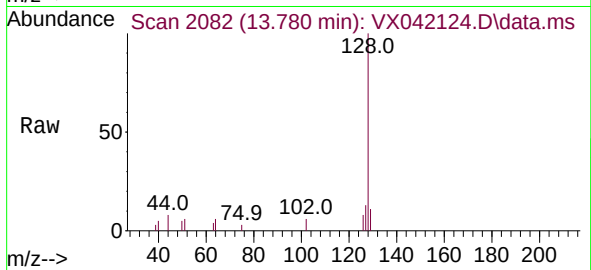
Acq: 01 Jul 2024 19:02

Instrument :

MSVOA_X

ClientSampleId :

S-3



Tgt Ion:128 Resp: 2974

Ion Ratio Lower Upper

128 100

127 11.1 10.3 15.5

129 10.8 8.8 13.2

