

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041924\
 Data File : VX041175.D
 Acq On : 19 Apr 2024 14:04
 Operator : JC/MD
 Sample : P2121-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 01:31:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 02:04:44 2024
 Response via : Initial Calibration

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

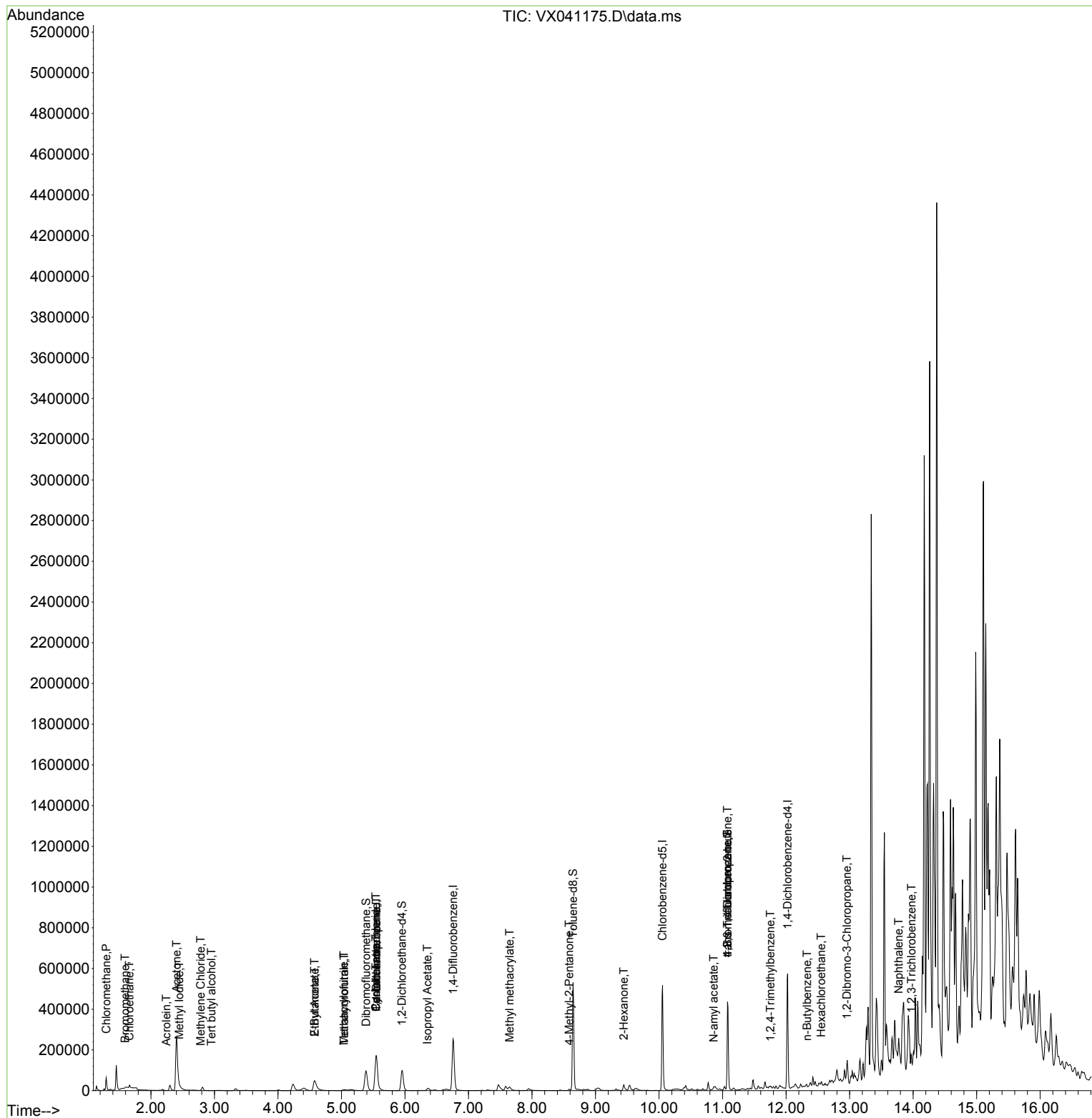
Internal Standards						
1) Pentafluorobenzene	5.550	168	192245	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	283340	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98460	47.438	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.880%
35) Dibromofluoromethane	5.385	113	86232	45.559	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.120%
50) Toluene-d8	8.647	98	324465	48.940	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.880%
62) 4-Bromofluorobenzene	11.079	95	113661	45.162	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.320%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	42681	25.186	ug/l	99
5) Bromomethane	1.593	94	924	0.759	ug/l	99
6) Chloroethane	1.660	64	9066	7.071	ug/l	95
10) Methyl Iodide	2.447	142	469	0.252	ug/l	# 58
11) Tert butyl alcohol	2.953	59	189	0.465	ug/l	# 78
13) Acrolein	2.239	56	193	0.378	ug/l	# 69
16) Acetone	2.404	43	404303	463.433	ug/l	93
20) Methylene Chloride	2.782	84	580	0.312	ug/l	# 85
25) 2-Butanone	4.574	43	114060	83.212	ug/l	94
29) Tetrahydrofuran	5.044	42	5348	5.893	ug/l	96
31) Cyclohexane	5.544	56	2792	1.086	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	11551	4.820	ug/l	# 51
37) Ethyl Acetate	4.574	43	114060	39.857	ug/l	# 69
38) Carbon Tetrachloride	5.544	117	16646	5.991	ug/l	# 15
41) Methacrylonitrile	5.038	41	3048	2.032	ug/l	# 52
43) Isopropyl Acetate	6.354	43	5762	1.356	ug/l	# 62
48) Methyl methacrylate	7.647	41	5183	2.499	ug/l	# 46
51) 4-Methyl-2-Pentanone	8.586	43	5491	1.902	ug/l	98
59) 2-Hexanone	9.445	43	18761	8.401	ug/l	97
74) N-amyl acetate	10.860	43	1575	0.496	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	55657	25.172	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	55657	64.313	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	5811	0.873	ug/l	# 61
89) n-Butylbenzene	12.329	91	1761	0.274	ug/l	# 48
90) Hexachloroethane	12.555	117	1223	0.954	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	12.957	75	466	0.818	ug/l	# 47
95) Naphthalene	13.774	128	87804	9.834	ug/l	# 96
96) 1,2,3-Trichlorobenzene	13.975	180	933	0.284	ug/l	# 1

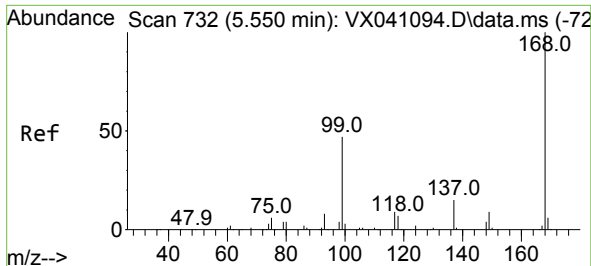
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041924\
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Instrument :
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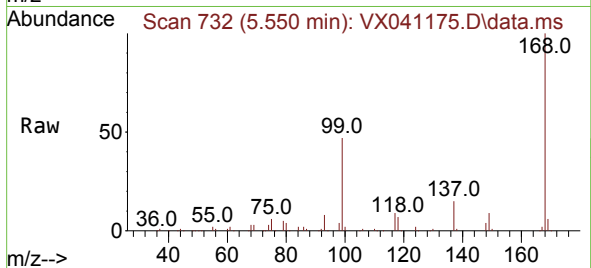
Quant Time: Apr 20 01:31:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 02:04:44 2024
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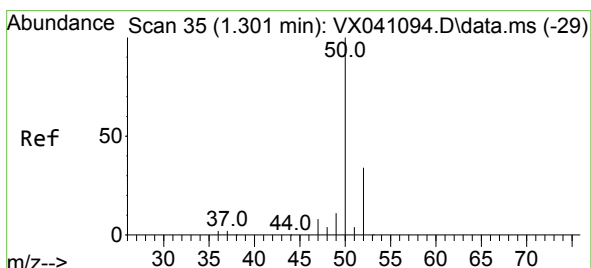
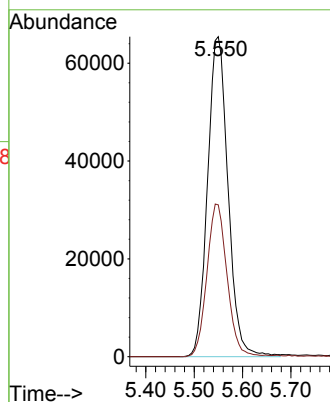
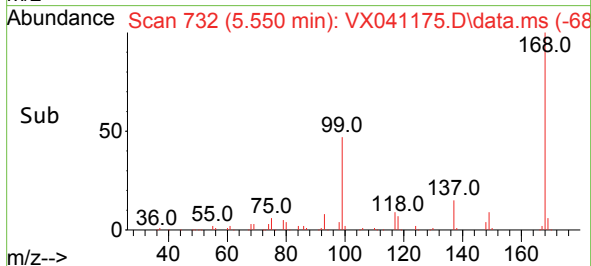


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Instrument :
MSVOA_X
ClientSampleId :

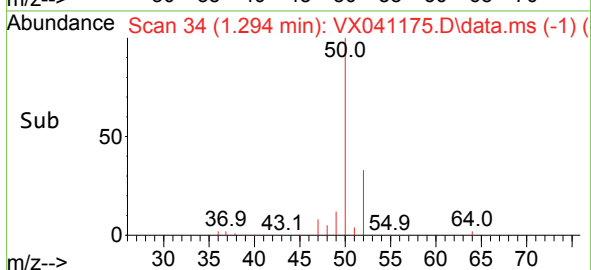
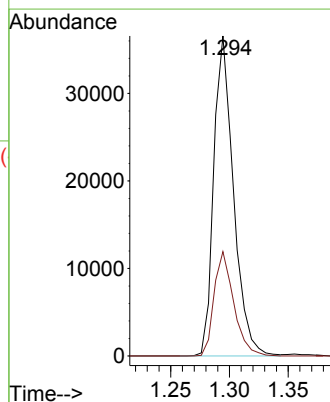
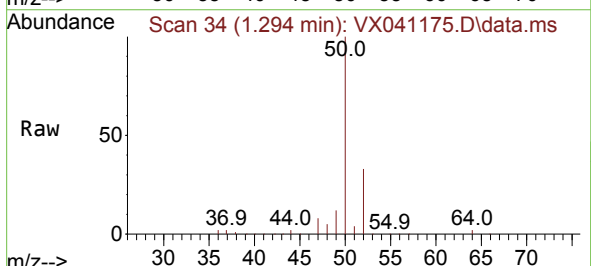


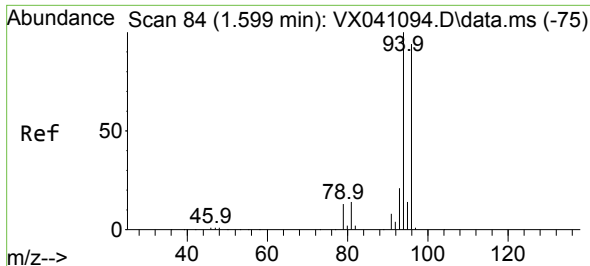
Tgt Ion:168 Resp: 192245
Ion Ratio Lower Upper
168 100
99 47.5 56.6 85.0#



#3
Chloromethane
Concen: 25.186 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Tgt Ion: 50 Resp: 42681
Ion Ratio Lower Upper
50 100
52 32.6 25.5 38.3

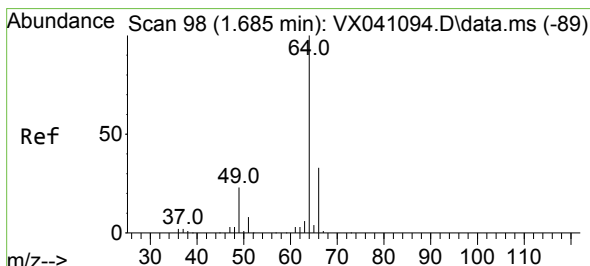
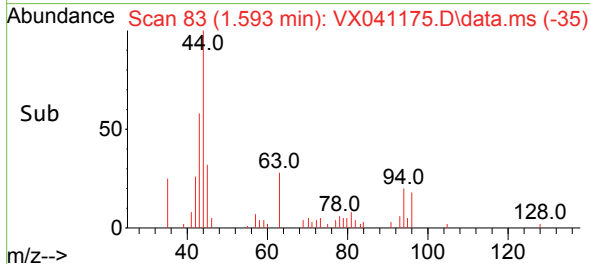
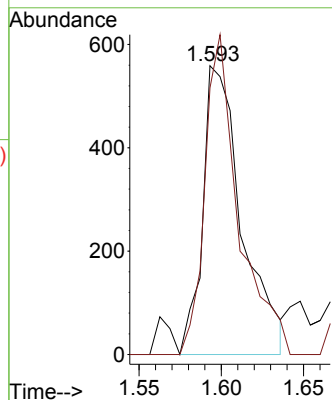
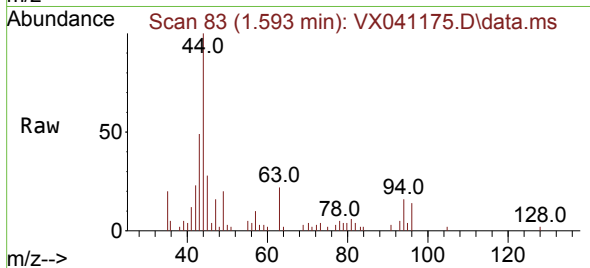




#5
Bromomethane
Concen: 0.759 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

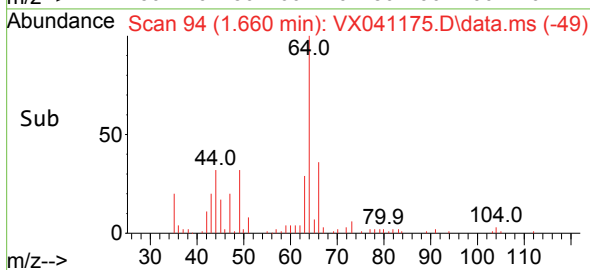
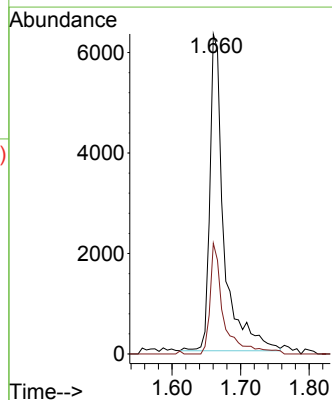
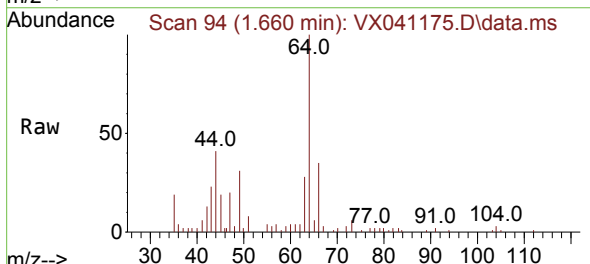
Instrument :
MSVOA_X
ClientSampleId :

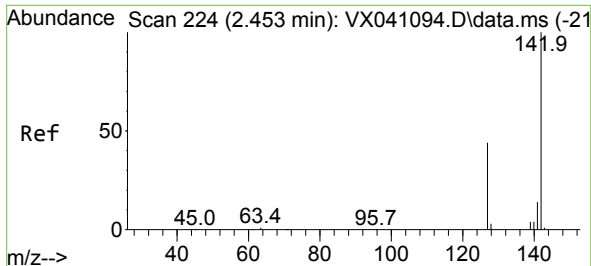
Tgt Ion: 94 Resp: 924
Ion Ratio Lower Upper
94 100
96 92.3 74.6 111.8



#6
Chloroethane
Concen: 7.071 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.024 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

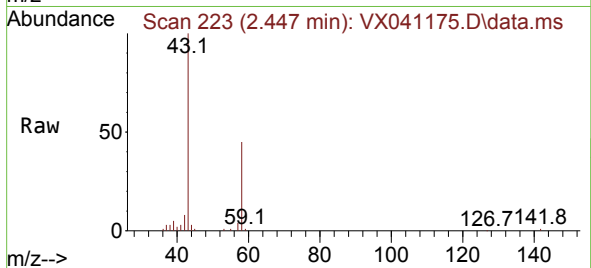
Tgt Ion: 64 Resp: 9066
Ion Ratio Lower Upper
64 100
66 34.1 25.1 37.7



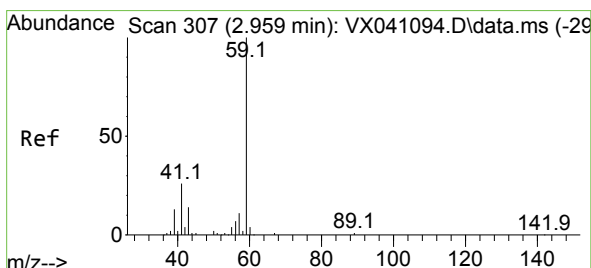
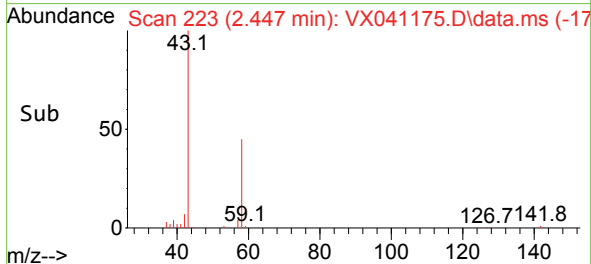
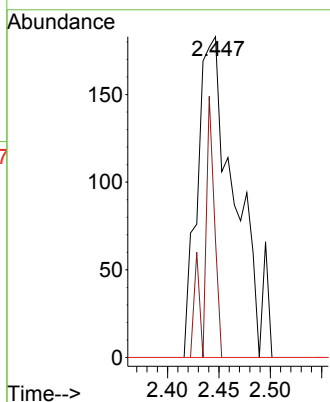


#10
Methyl Iodide
Concen: 0.252 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Instrument :
MSVOA_X
ClientSampleId :

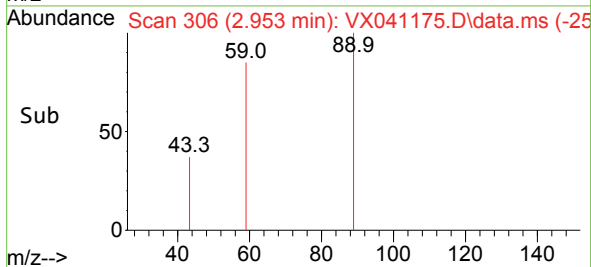
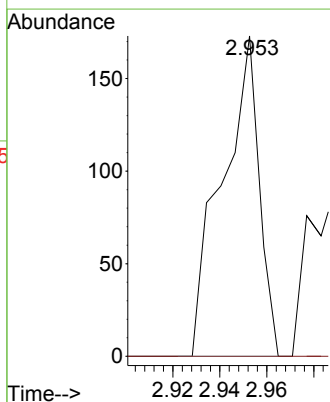
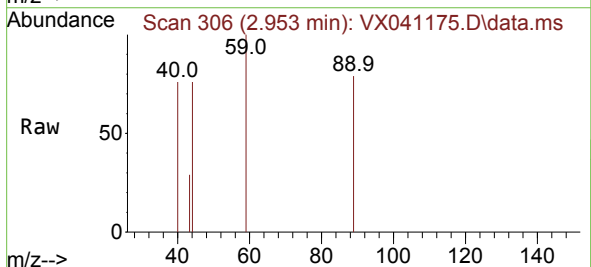


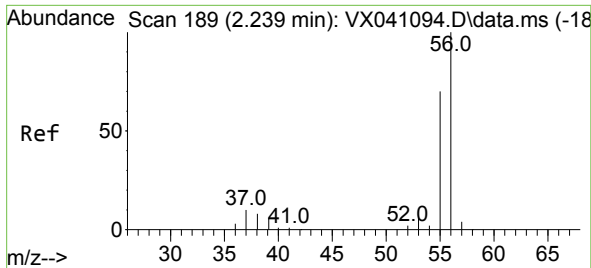
Tgt Ion:142 Resp: 469
Ion Ratio Lower Upper
142 100
127 21.5 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.465 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

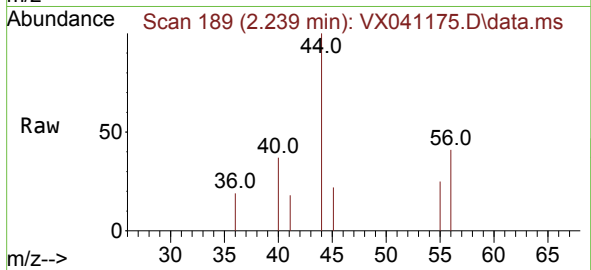
Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



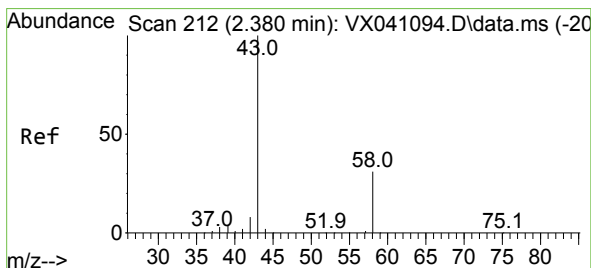
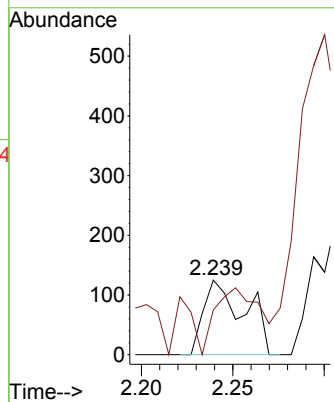
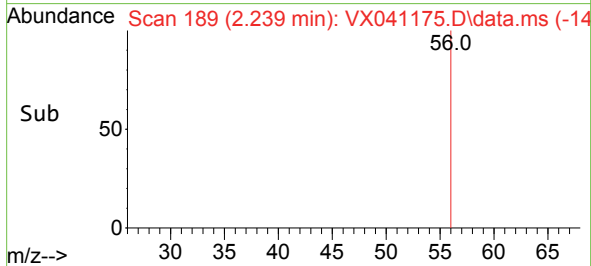


#13
Acrolein
Concen: 0.378 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Instrument :
MSVOA_X
ClientSampleId :

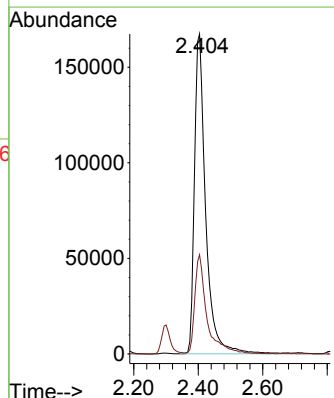
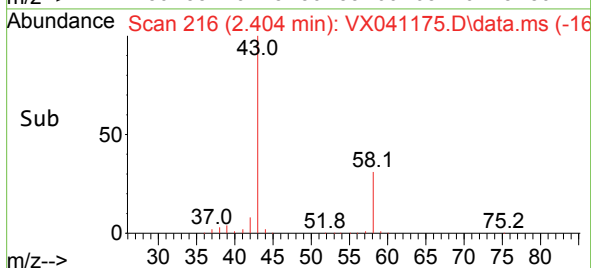
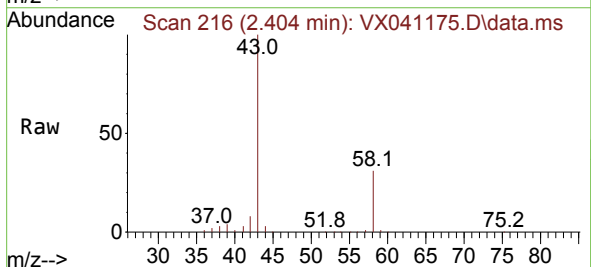


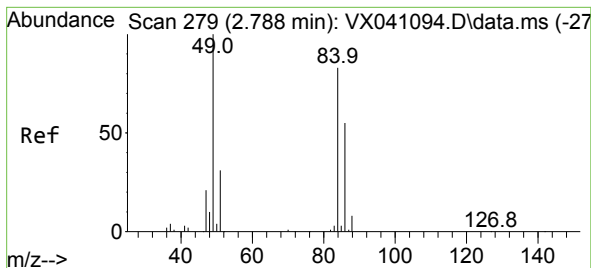
Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 97.4 57.1 85.7#



#16
Acetone
Concen: 463.433 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.024 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Tgt Ion: 43 Resp: 404303
Ion Ratio Lower Upper
43 100
58 30.9 21.9 32.9





#20

Methylene Chloride

Concen: 0.312 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

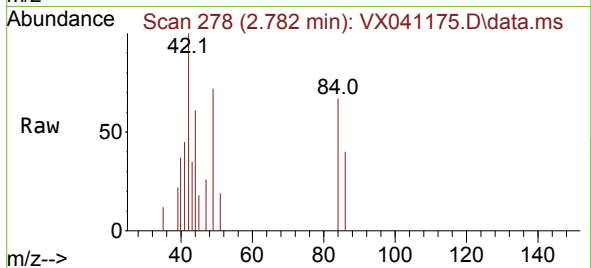
Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 580

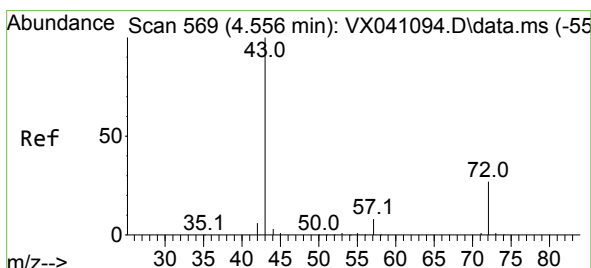
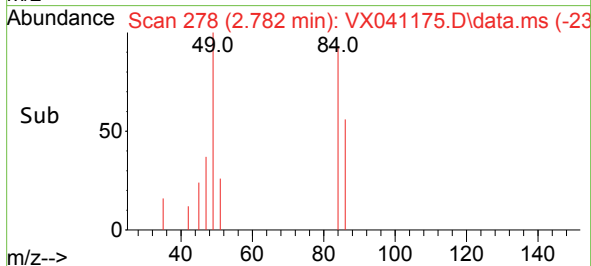
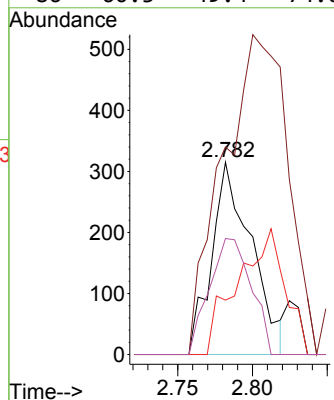
Ion Ratio Lower Upper

84 100

49 107.9 103.6 155.4

51 28.3 33.8 50.6#

86 60.3 49.4 74.0



#25

2-Butanone

Concen: 83.212 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX041175.D

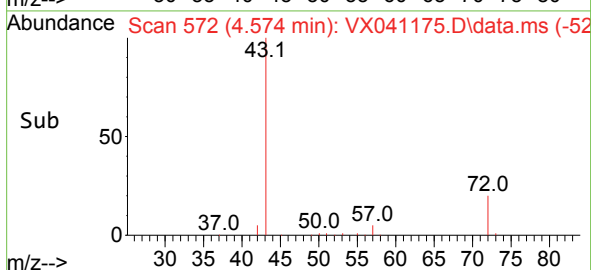
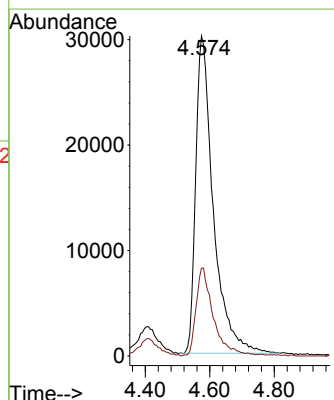
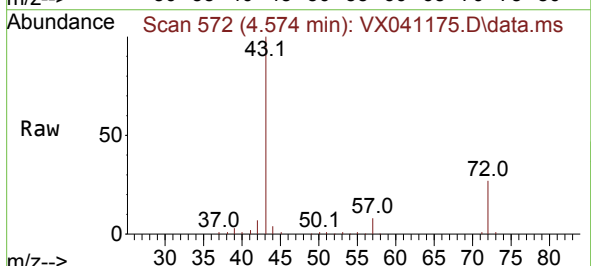
Acq: 19 Apr 2024 14:04

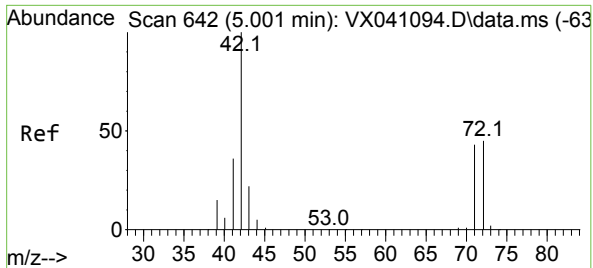
Tgt Ion: 43 Resp: 114060

Ion Ratio Lower Upper

43 100

72 27.5 19.4 29.2





#29

Tetrahydrofuran

Concen: 5.893 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX041175.D

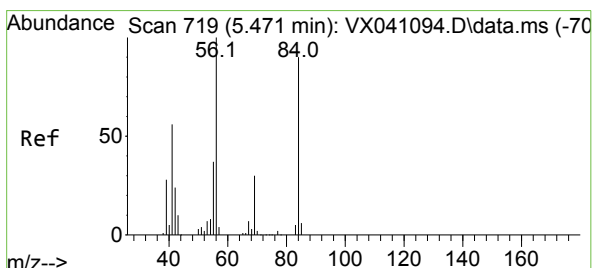
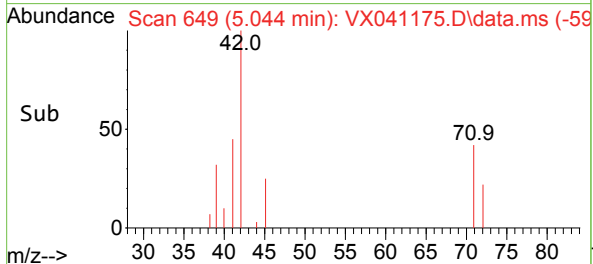
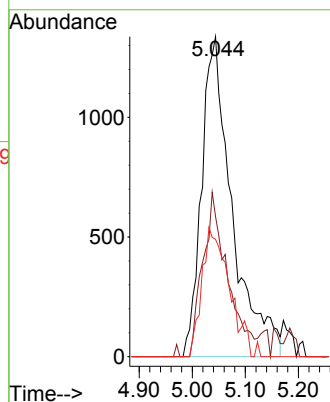
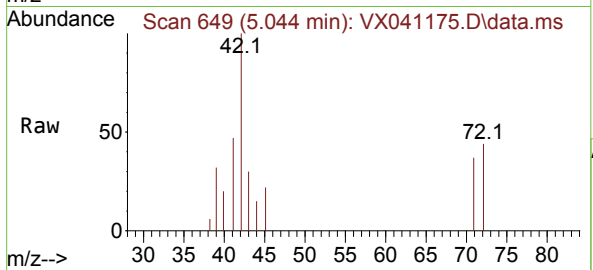
Acq: 19 Apr 2024 14:04

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	5348
Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.4
71	35.8	32.2	48.2



#31

Cyclohexane

Concen: 1.086 ug/l

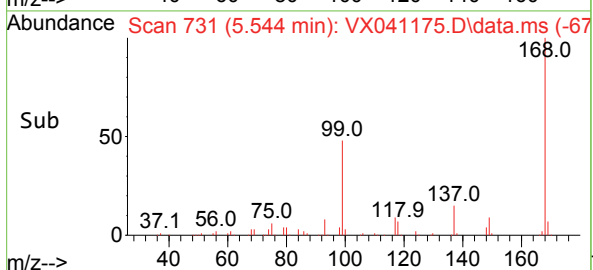
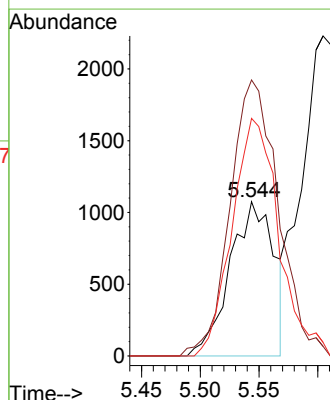
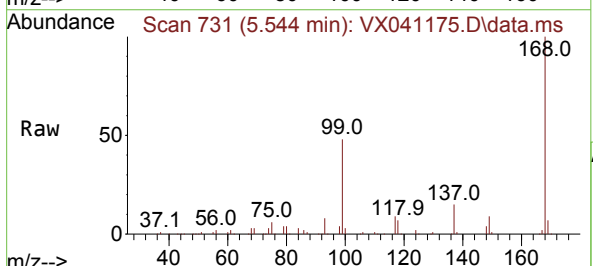
RT: 5.544 min Scan# 731

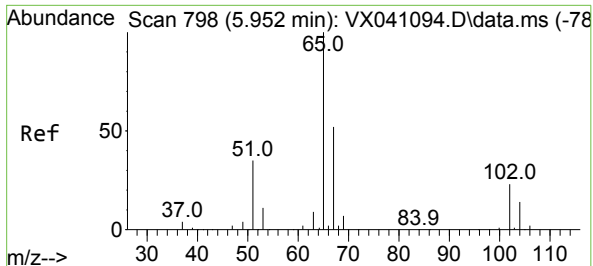
Delta R.T. 0.073 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Tgt Ion:	56	Resp:	2792
Ion	Ratio	Lower	Upper
56	100		
69	178.9	23.4	35.2#
84	154.0	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.438 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Instrument :

MSVOA_X

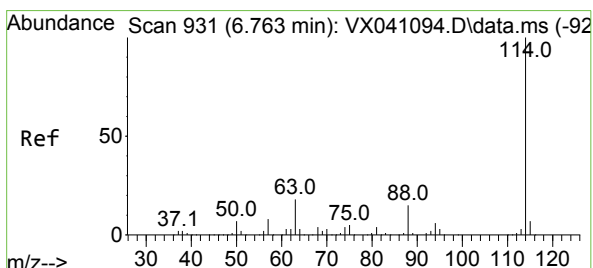
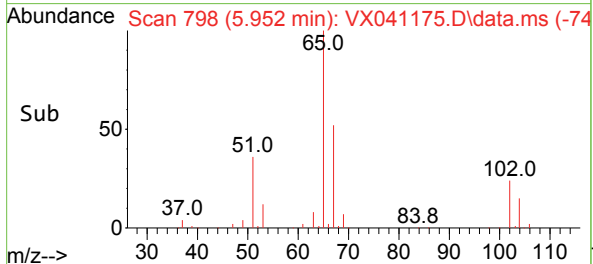
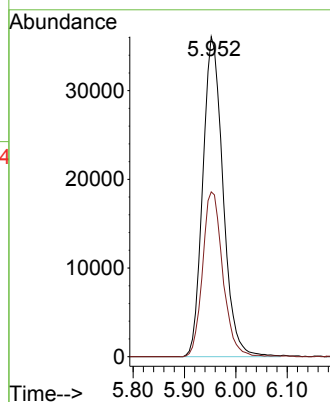
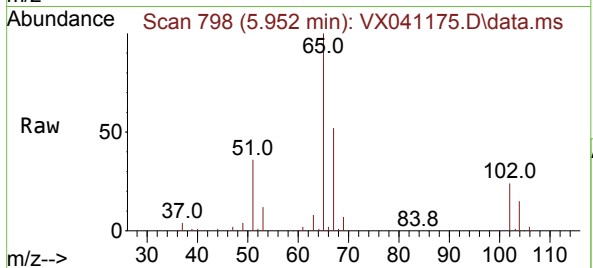
ClientSampleId :

Tgt Ion: 65 Resp: 98460

Ion Ratio Lower Upper

65 100

67 51.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

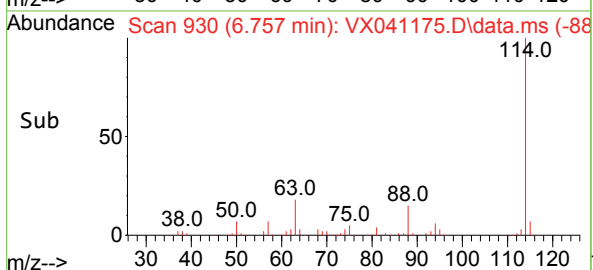
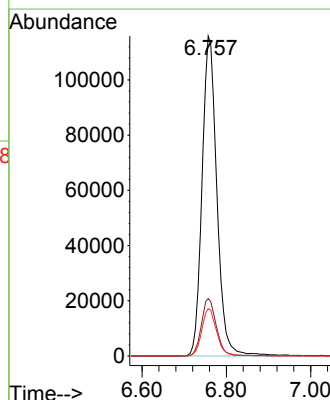
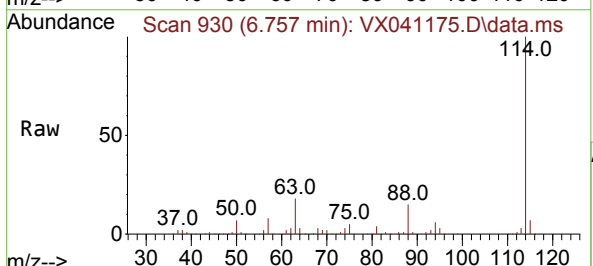
Tgt Ion: 114 Resp: 283340

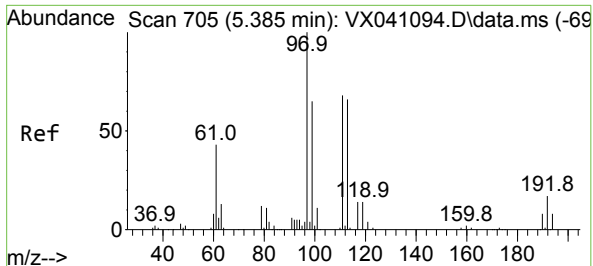
Ion Ratio Lower Upper

114 100

63 18.0 0.0 45.0

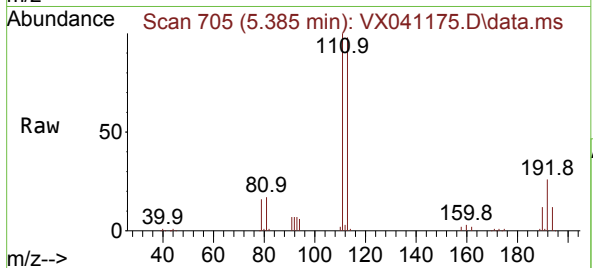
88 14.8 0.0 36.6



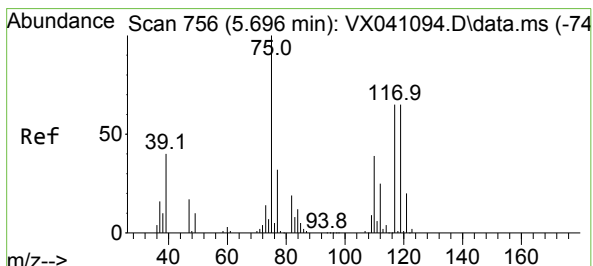
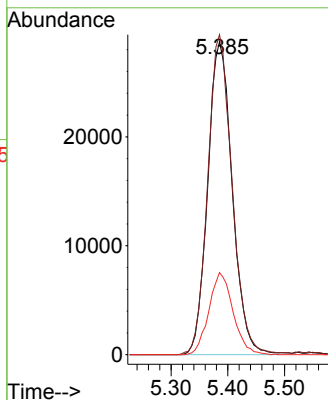
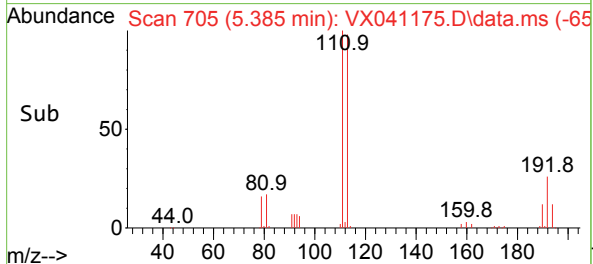


#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

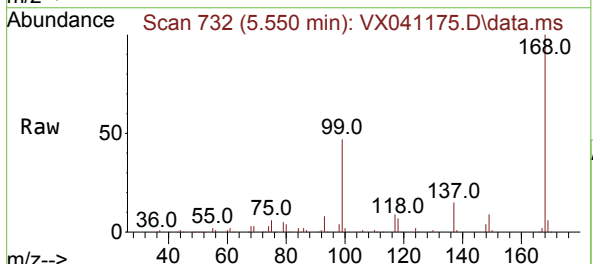
Instrument :
MSVOA_X
ClientSampleId :



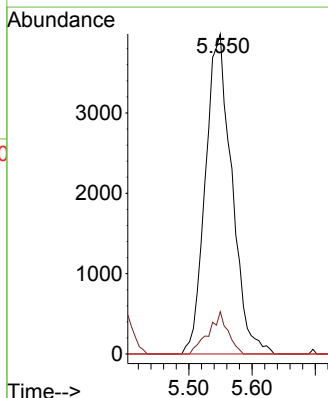
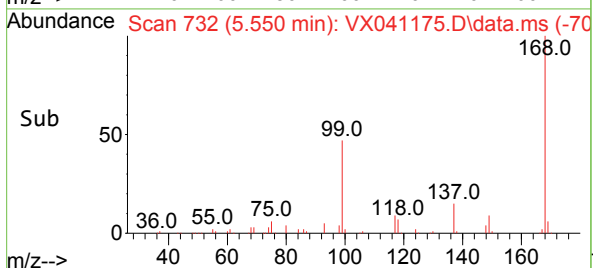
Tgt Ion:113 Resp: 86232
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 25.9 13.3 19.9#

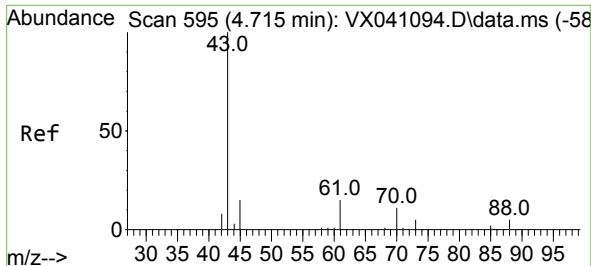


#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04



Tgt Ion: 75 Resp: 11551
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 39.857 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.140 min

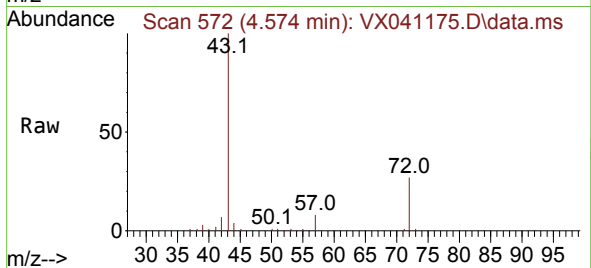
Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Instrument :

MSVOA_X

ClientSampleId :



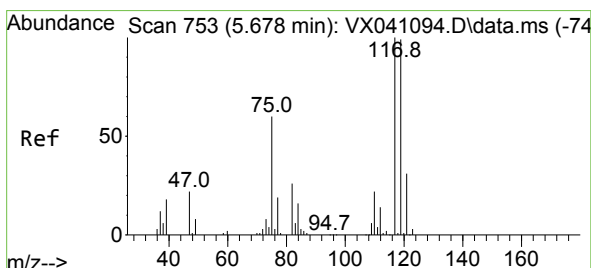
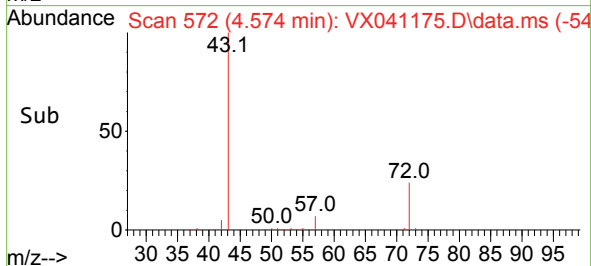
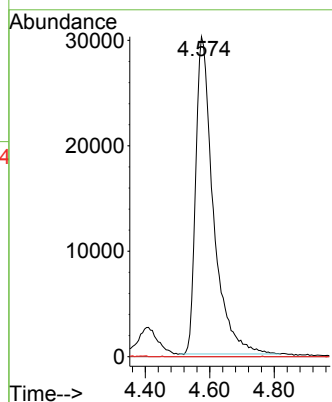
Tgt Ion: 43 Resp: 114060

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

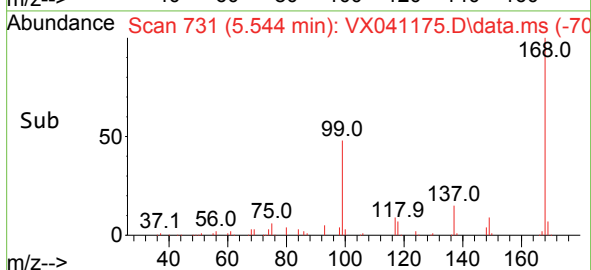
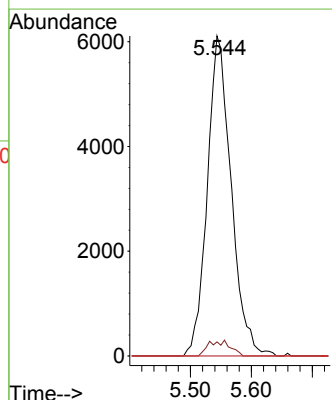
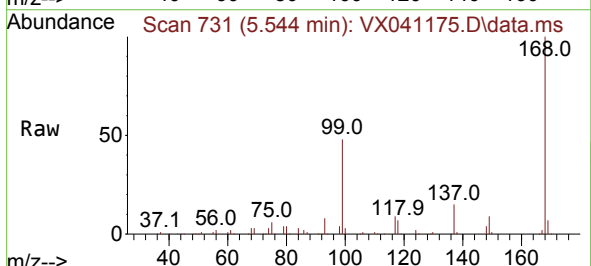
Tgt Ion: 117 Resp: 16646

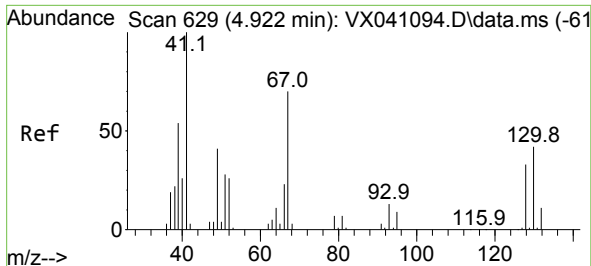
Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

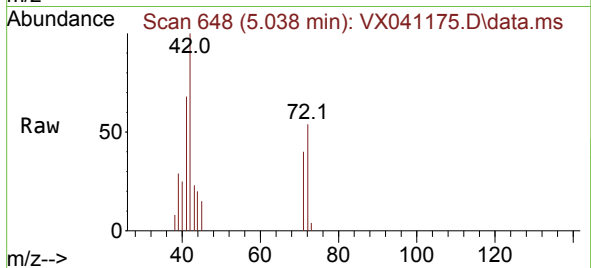
121 0.0 24.4 36.6#



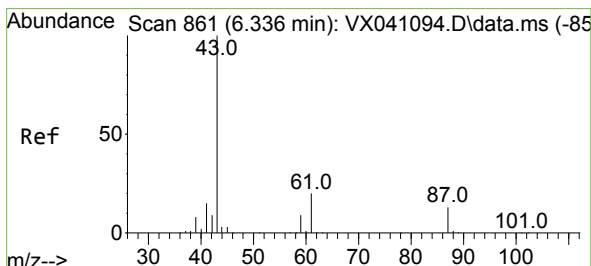
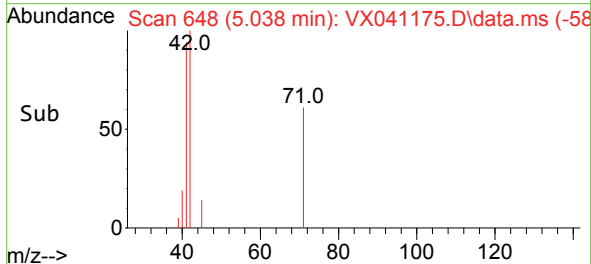
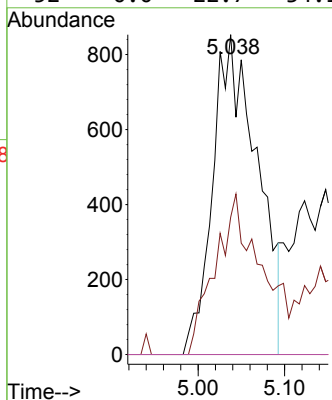


#41
Methacrylonitrile
Concen: 2.032 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.116 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Instrument :
MSVOA_X
ClientSampleId :

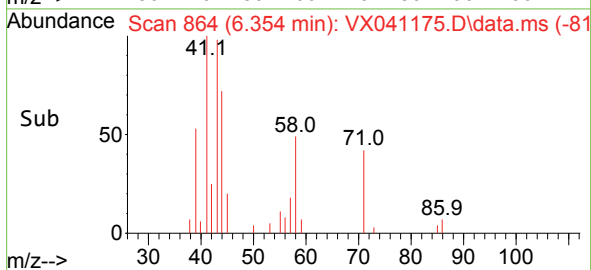
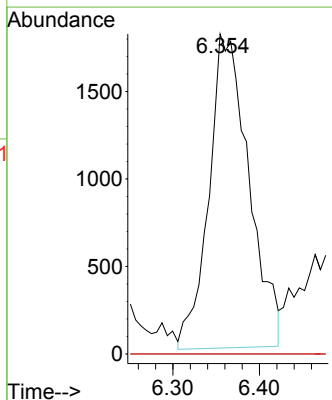
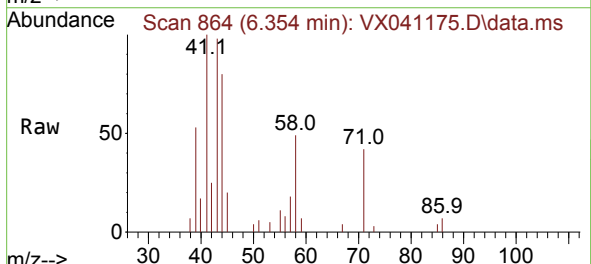


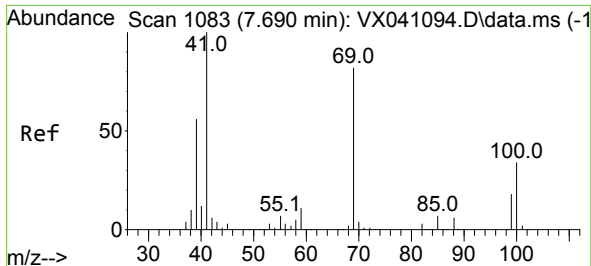
Tgt Ion:	41	Resp:	3048
Ion	Ratio	Lower	Upper
41	100		
39	52.1	45.2	67.8
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 1.356 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Tgt Ion:	43	Resp:	5762
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.2	22.8#
87	0.0	9.8	14.6#





#48

Methyl methacrylate

Concen: 2.499 ug/l

RT: 7.647 min Scan# 1083

Delta R.T. -0.043 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Instrument :

MSVOA_X

ClientSampleId :

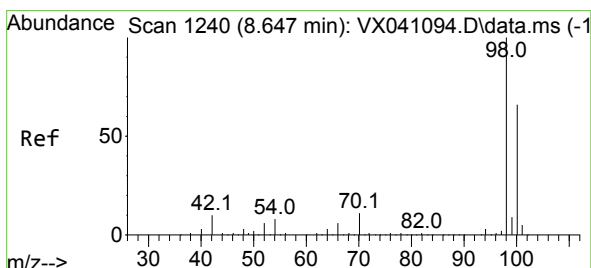
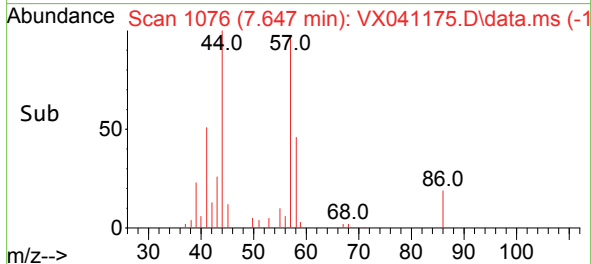
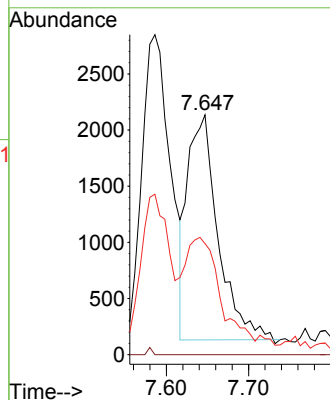
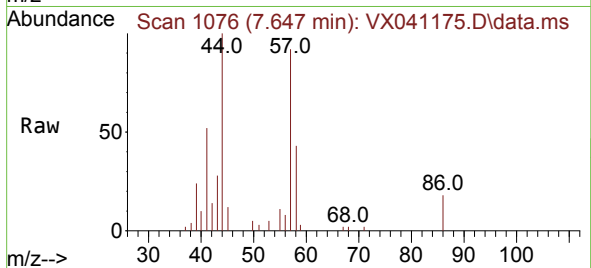
Tgt Ion: 41 Resp: 5183

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 49.9 47.7 71.5



#50

Toluene-d8

Concen: 48.940 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041175.D

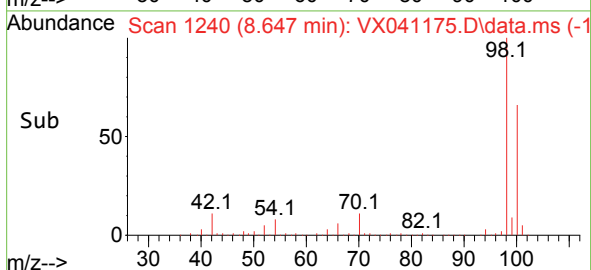
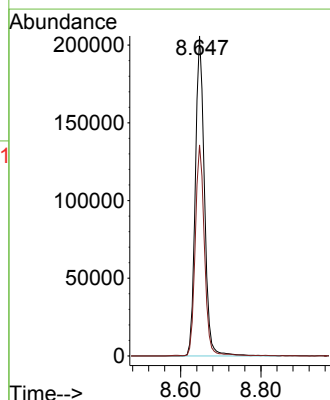
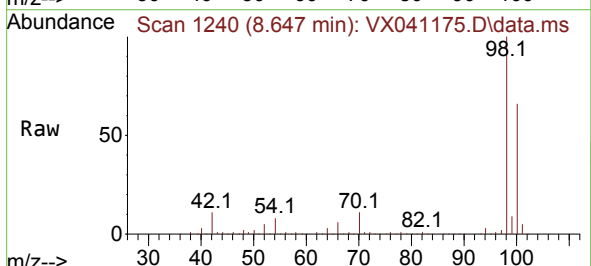
Acq: 19 Apr 2024 14:04

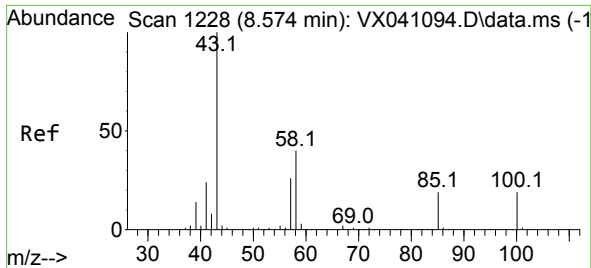
Tgt Ion: 98 Resp: 324465

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7

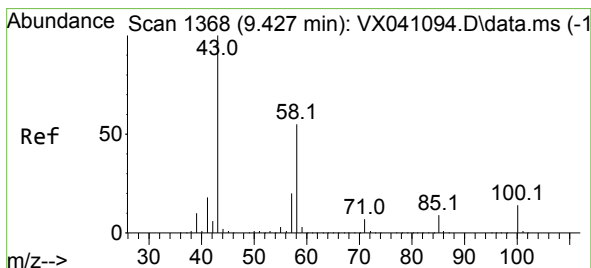
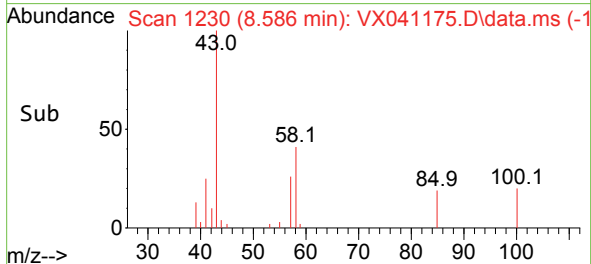
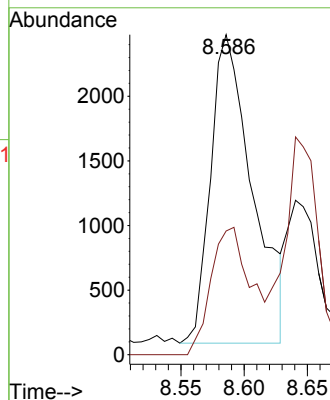
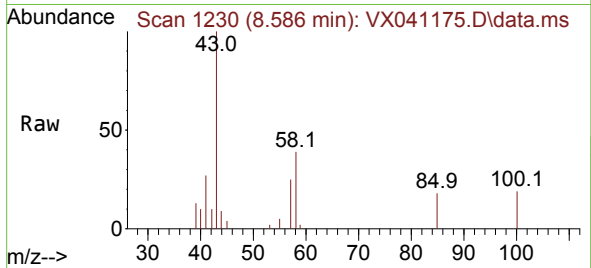




#51
4-Methyl-2-Pentanone
Concen: 1.902 ug/l
RT: 8.586 min Scan# 1171
Delta R.T. 0.012 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

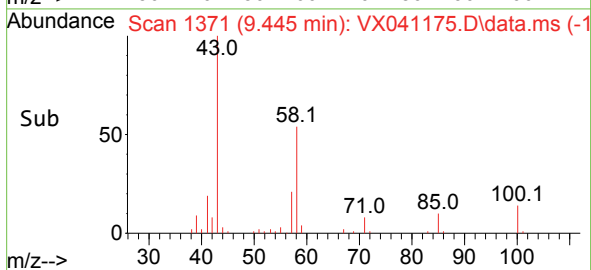
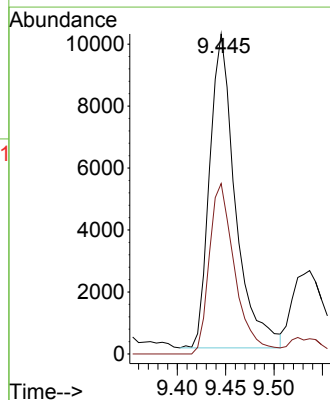
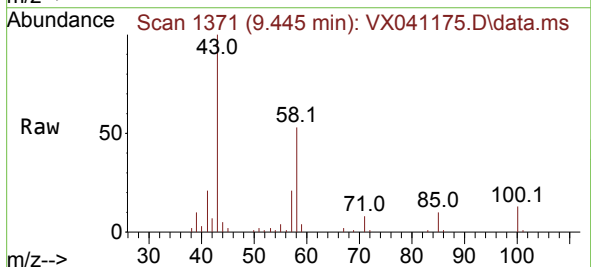
Instrument :
MSVOA_X
ClientSampleId :

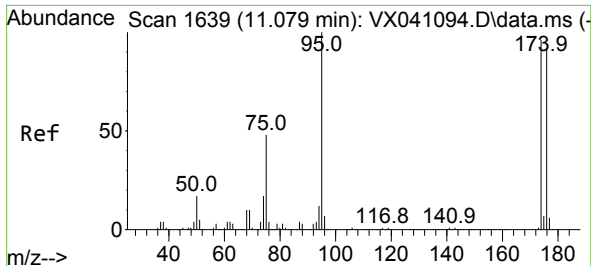
Tgt Ion: 43 Resp: 5491
Ion Ratio Lower Upper
43 100
58 39.5 30.4 45.6



#59
2-Hexanone
Concen: 8.401 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

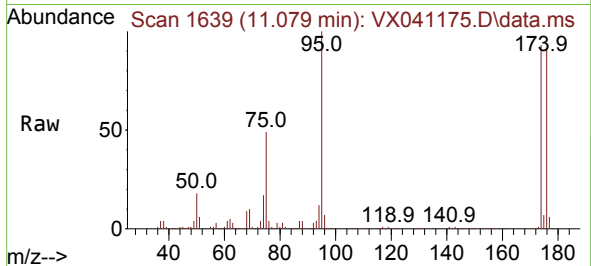
Tgt Ion: 43 Resp: 18761
Ion Ratio Lower Upper
43 100
58 54.2 26.2 78.5



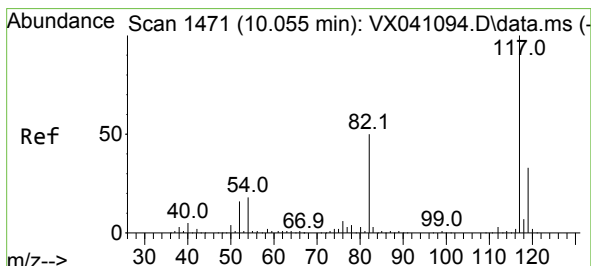
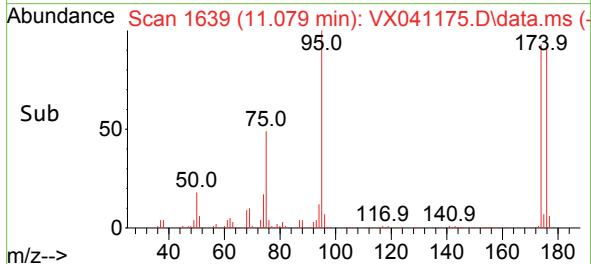
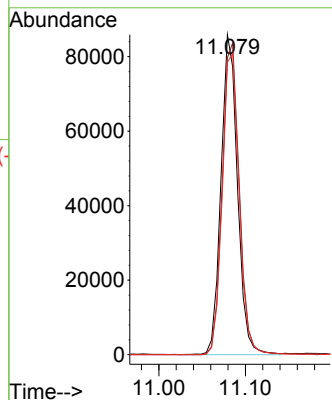


#62
4-Bromofluorobenzene
Concen: 45.162 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Instrument :
MSVOA_X
ClientSampleId :

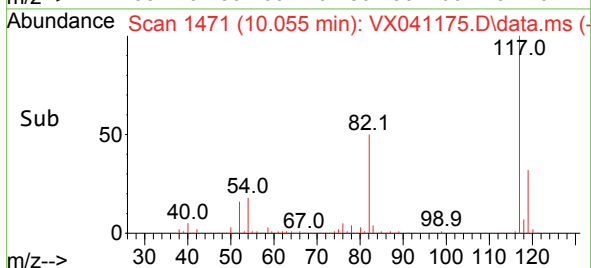
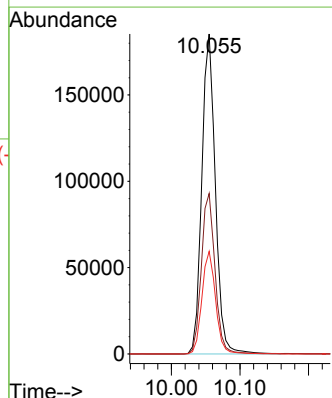
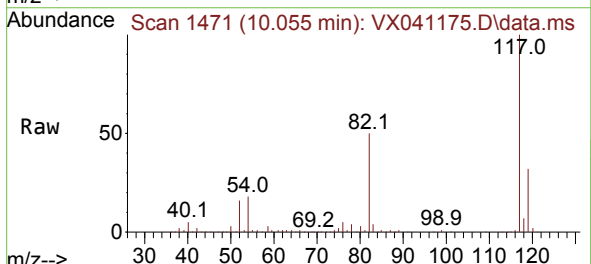


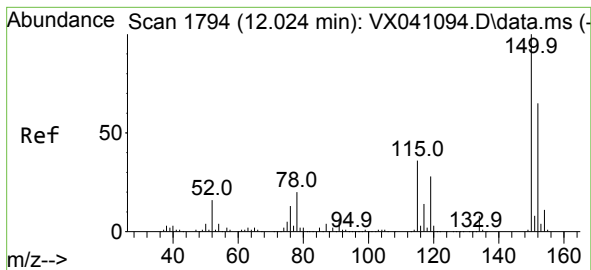
Tgt Ion: 95 Resp: 113661
Ion Ratio Lower Upper
95 100
174 100.8 0.0 135.6
176 96.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Tgt Ion: 117 Resp: 255765
Ion Ratio Lower Upper
117 100
82 50.2 46.2 69.4
119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Instrument :

MSVOA_X

ClientSampleId :

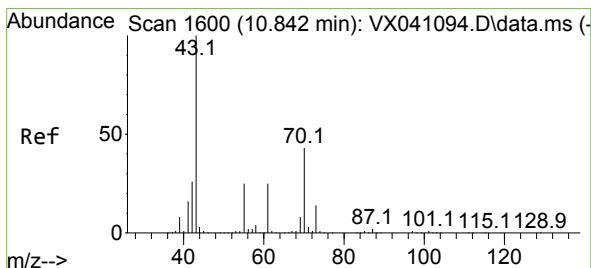
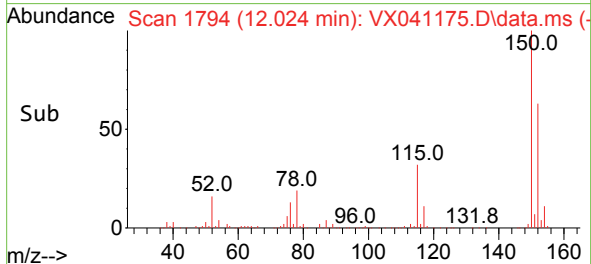
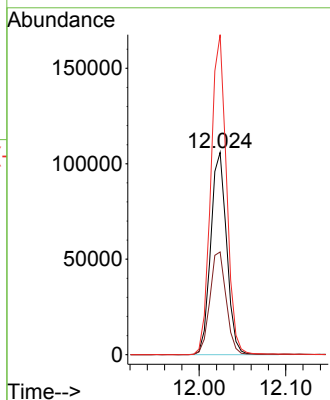
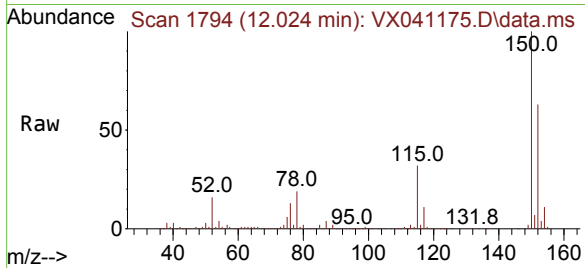
Tgt Ion:152 Resp: 135681

Ion Ratio Lower Upper

152 100

115 52.2 43.3 129.9

150 156.2 0.0 345.0



#74

N-ethyl acetate

Concen: 0.496 ug/l

RT: 10.860 min Scan# 1603

Delta R.T. 0.018 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Tgt Ion: 43 Resp: 1575

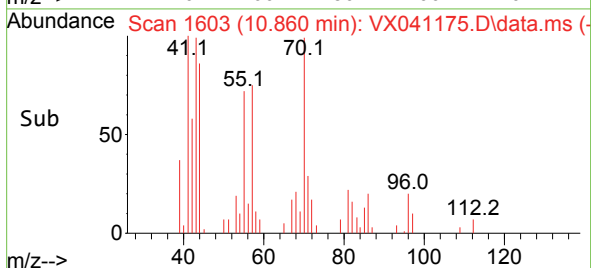
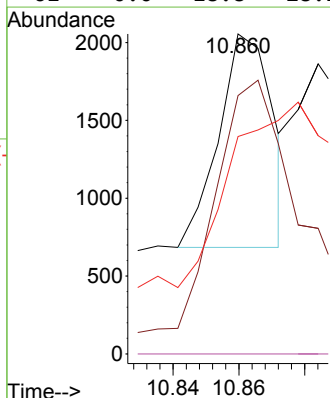
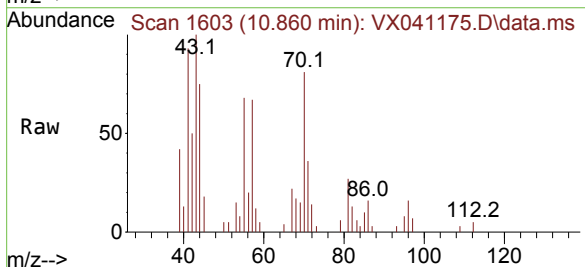
Ion Ratio Lower Upper

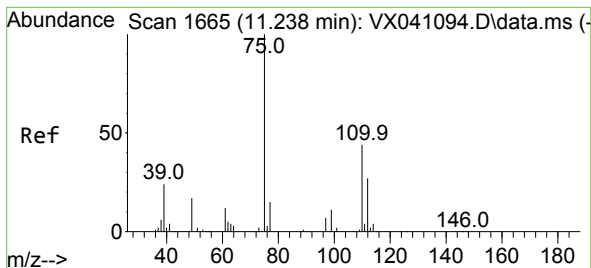
43 100

70 252.3 32.9 49.3#

55 298.3 19.3 28.9#

61 0.0 18.8 28.2#

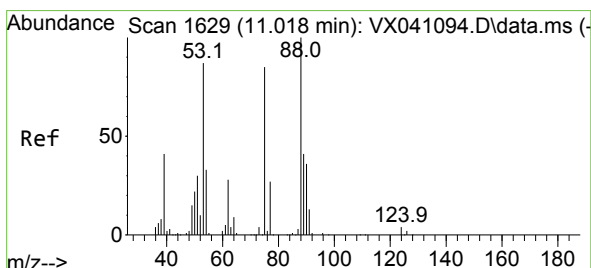
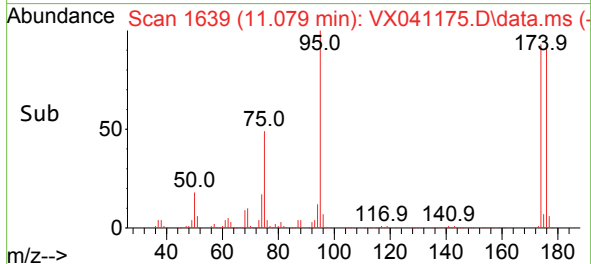
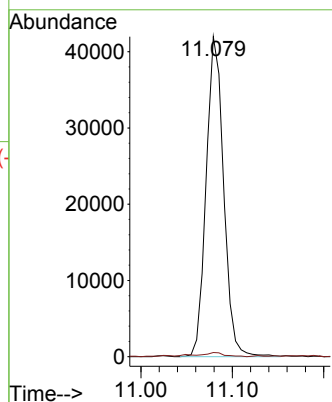
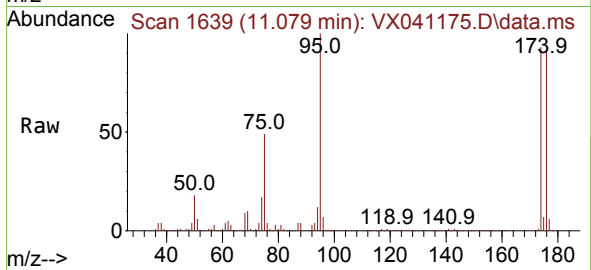




#76
1,2,3-Trichloropropane
Concen: 25.172 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

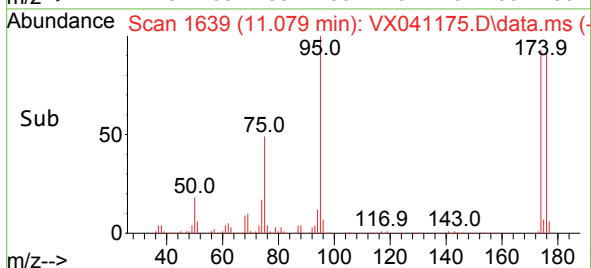
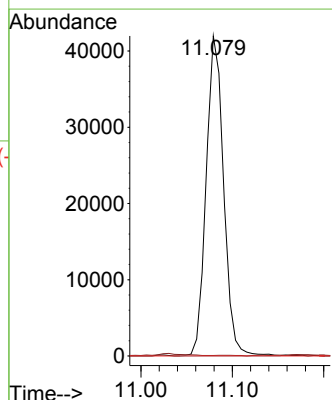
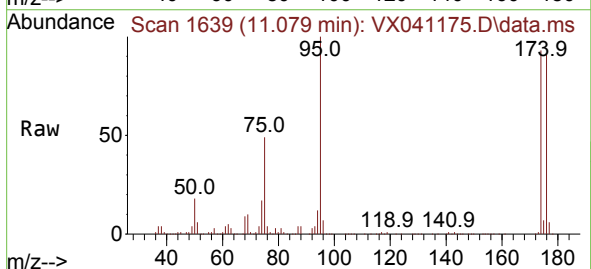
Instrument :
MSVOA_X
ClientSampleId :

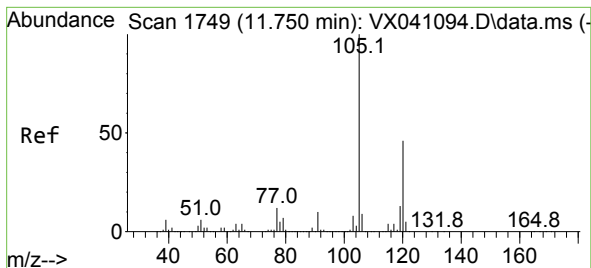
Tgt Ion: 75 Resp: 55657
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.313 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041175.D
Acq: 19 Apr 2024 14:04

Tgt Ion: 75 Resp: 55657
Ion Ratio Lower Upper
75 100
53 0.3 90.5 135.7#
89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.873 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Instrument :

MSVOA_X

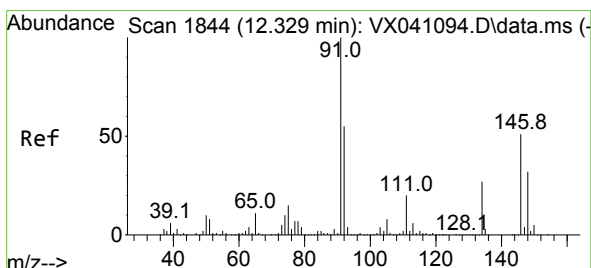
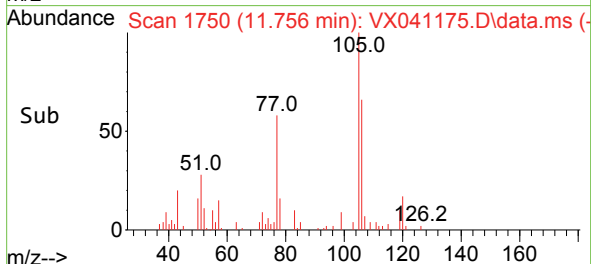
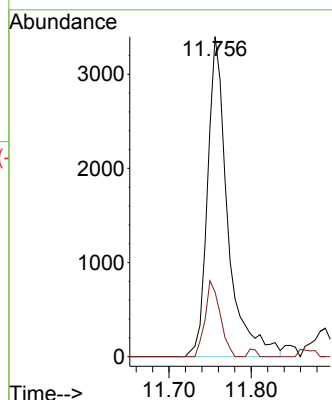
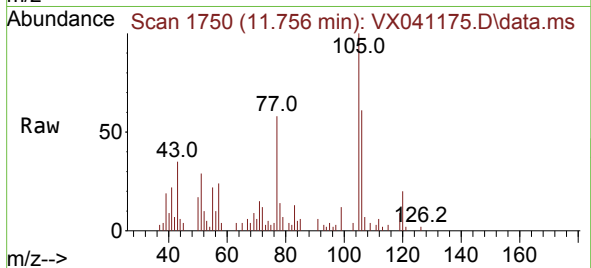
ClientSampleId :

Tgt Ion:105 Resp: 5811

Ion Ratio Lower Upper

105 100

120 17.6 21.2 63.6#



#89

n-Butylbenzene

Concen: 0.274 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

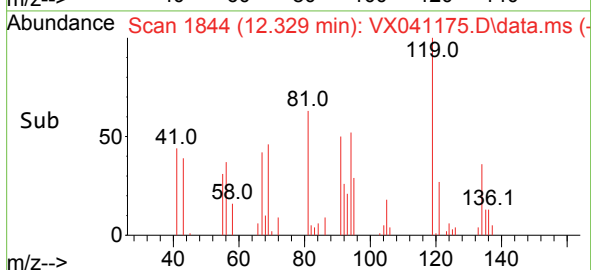
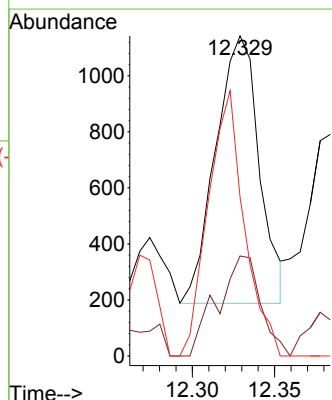
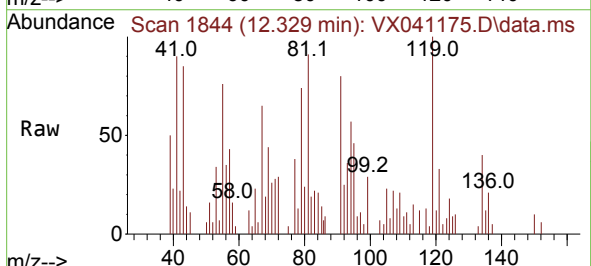
Tgt Ion: 91 Resp: 1761

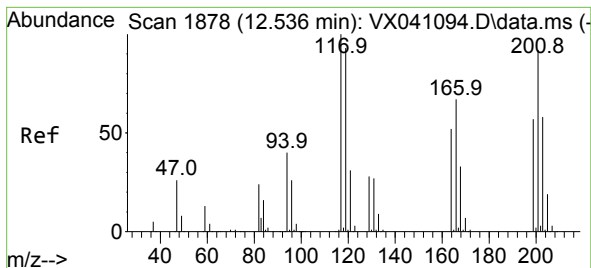
Ion Ratio Lower Upper

91 100

92 37.1 27.4 82.0

134 82.0 12.6 37.8#





#90

Hexachloroethane

Concen: 0.954 ug/l

RT: 12.555 min Scan# 1881

Delta R.T. 0.018 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Instrument :

MSVOA_X

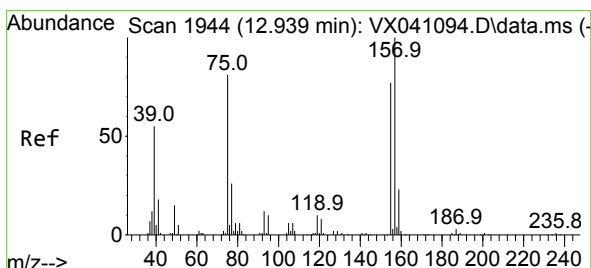
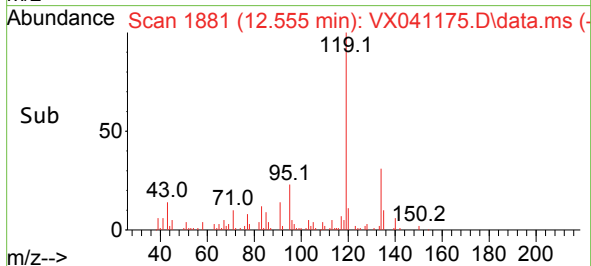
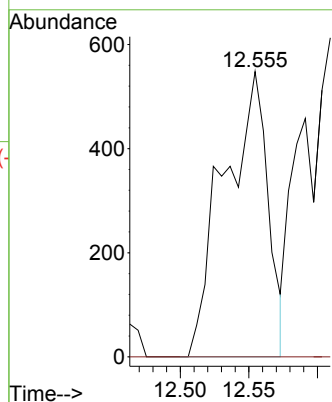
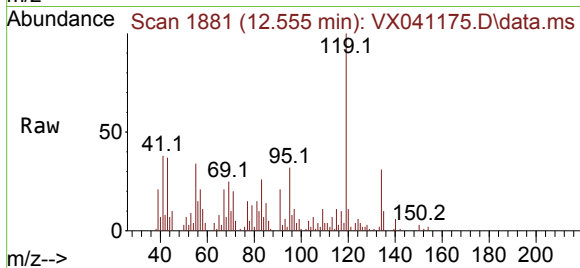
ClientSampleId :

Tgt Ion:117 Resp: 1223

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.818 ug/l

RT: 12.957 min Scan# 1947

Delta R.T. 0.018 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

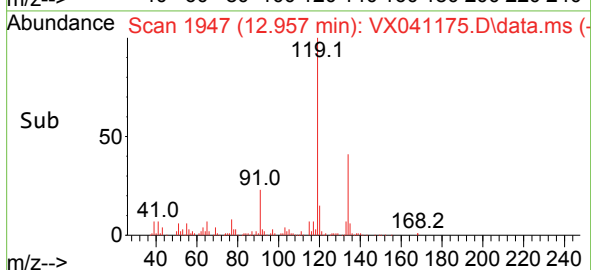
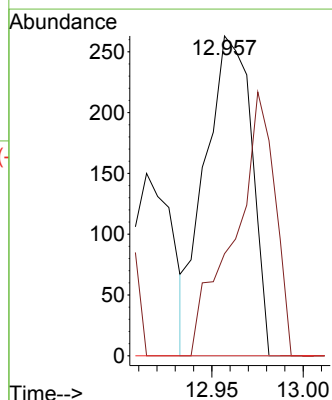
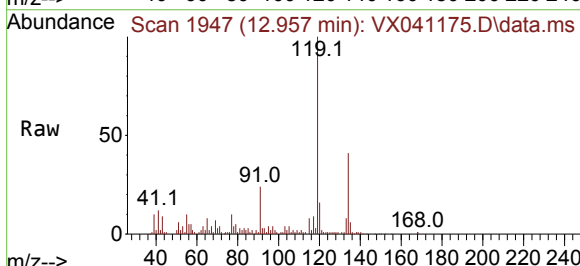
Tgt Ion: 75 Resp: 466

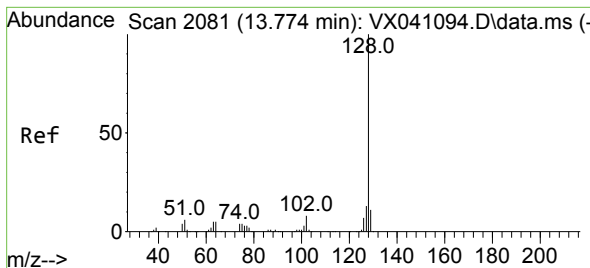
Ion Ratio Lower Upper

75 100

155 71.9 36.1 108.5

157 0.0 44.9 134.7#





#95

Naphthalene

Concen: 9.834 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX041175.D

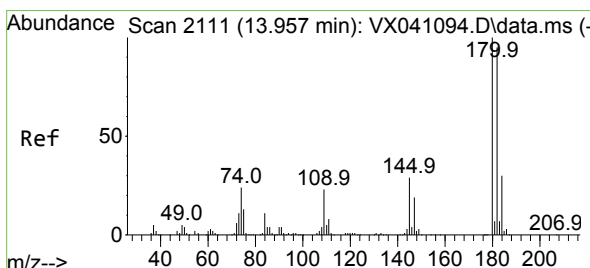
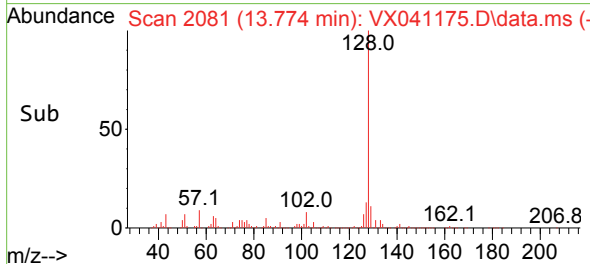
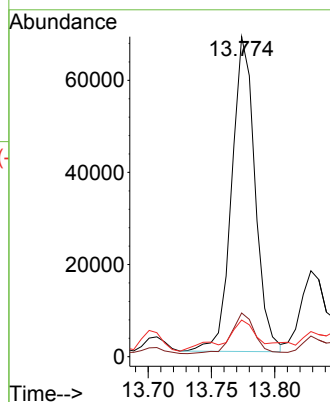
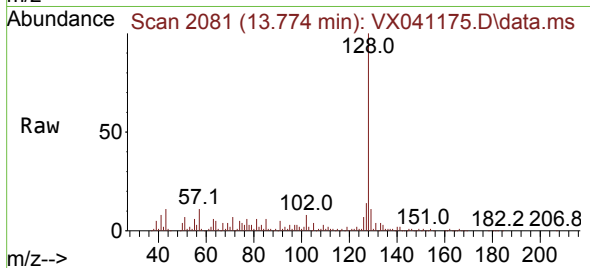
Acq: 19 Apr 2024 14:04

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	128	Resp:	87804
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	13.6	8.8	13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.284 ug/l

RT: 13.975 min Scan# 2114

Delta R.T. 0.018 min

Lab File: VX041175.D

Acq: 19 Apr 2024 14:04

Tgt Ion:	180	Resp:	933
Ion	Ratio	Lower	Upper
180	100		
182	11.3	46.9	140.6#
145	704.2	17.8	53.5#

