

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043130.D
 Acq On : 24 Sep 2024 18:08
 Operator : JC/MD
 Sample : P4164-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 25 01:34:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)

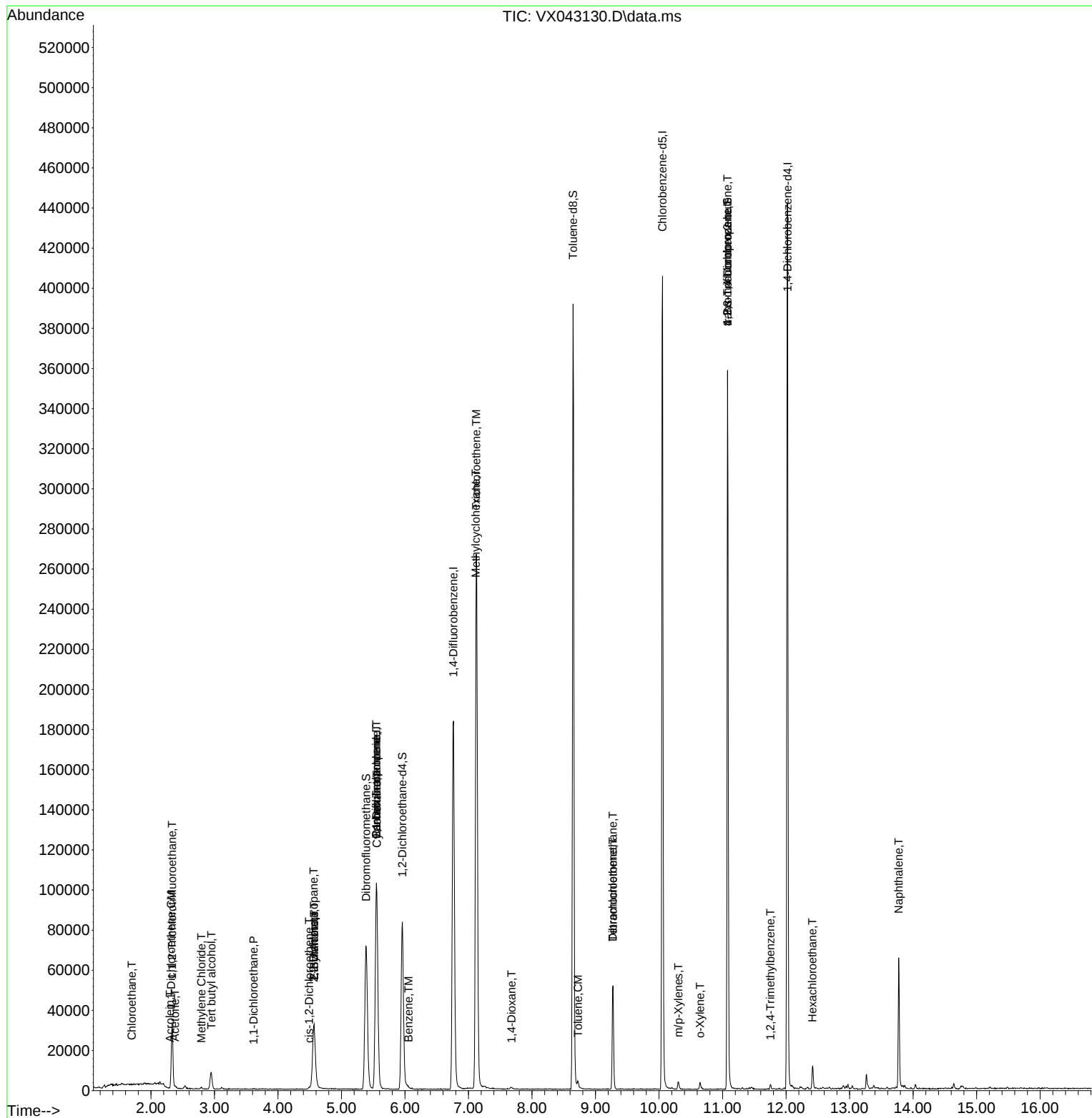
Internal Standards							
1) Pentafluorobenzene	5.550	168		92634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114		184298	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117		177505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152		91681	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65		82427	53.569	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.140%	
35) Dibromofluoromethane	5.385	113		62742	48.259	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.520%	
50) Toluene-d8	8.647	98		227663	51.759	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.520%	
62) 4-Bromofluorobenzene	11.079	95		95035	53.651	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.300%	
Target Compounds							
						Qvalue	
6) Chloroethane	1.697	64		144	0.220	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.331	101		12108	11.797	ug/l	99
11) Tert butyl alcohol	2.953	59		4472	13.017	ug/l #	75
12) 1,1-Dichloroethene	2.319	96		207	0.211	ug/l #	58
13) Acrolein	2.300	56		21	0.464	ug/l #	1
16) Acetone	2.379	43		1006	1.398	ug/l	93
20) Methylene Chloride	2.794	84		440	0.384	ug/l #	85
24) 1,1-Dichloroethane	3.617	63		401	0.203	ug/l #	81
25) 2-Butanone	4.568	43		2236	2.411	ug/l	90
26) 2,2-Dichloropropane	4.562	77		2224	1.113	ug/l #	54
27) cis-1,2-Dichloroethene	4.489	96		844	0.667	ug/l	69
31) Cyclohexane	5.556	56		2333	1.542	ug/l #	1
36) 1,1-Dichloropropene	5.550	75		8246	5.162	ug/l #	49
37) Ethyl Acetate	4.568	43		2236	1.114	ug/l #	4
38) Carbon Tetrachloride	5.550	117		10515	5.110	ug/l #	15
39) Methylcyclohexane	7.116	83		1180	0.589	ug/l #	1
40) Benzene	6.056	78		1474	0.313	ug/l #	83
44) Trichloroethene	7.123	130		102549	79.509	ug/l	97
49) 1,4-Dioxane	7.677	88		815	26.225	ug/l	92
52) Toluene	8.726	92		1144	0.377	ug/l	94
60) Dibromochloromethane	9.275	129		9556	5.854	ug/l #	11
64) Tetrachloroethene	9.275	164		9586	7.453	ug/l	92
68) m/p-Xylenes	10.305	106		975	0.396	ug/l	76
69) o-Xylene	10.646	106		756	0.306	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75		53269	27.329	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75		53269	65.113	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.756	105		1519	0.268	ug/l	93
90) Hexachloroethane	12.414	117		293	0.246	ug/l #	17
95) Naphthalene	13.774	128		41762	6.538	ug/l	99

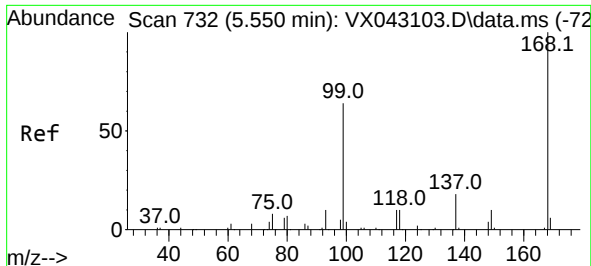
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 25 01:34:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 24 03:13:52 2024
Response via : Initial Calibration



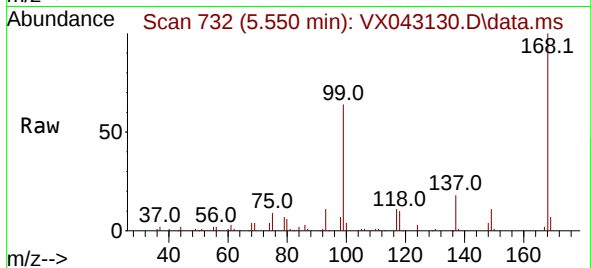


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

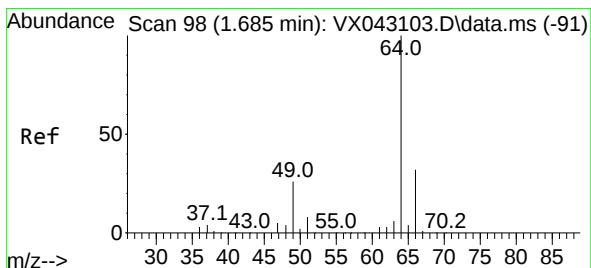
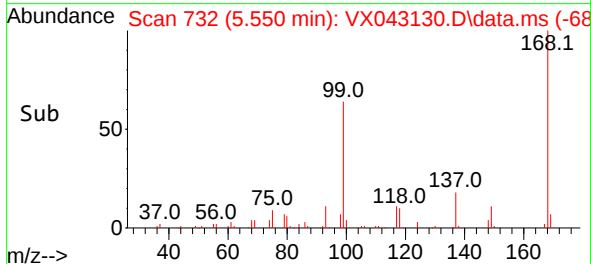
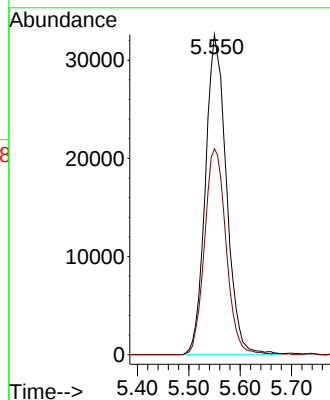
Instrument :

MSVOA_X

ClientSampleId :

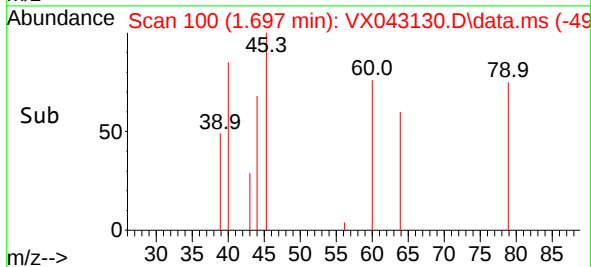
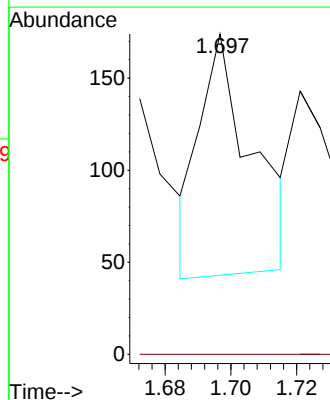
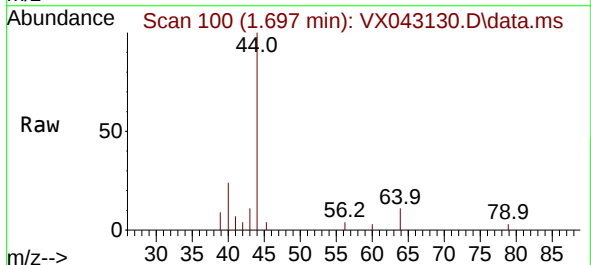


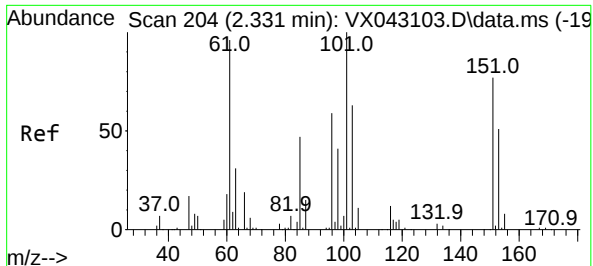
Tgt Ion:168 Resp: 92634
Ion Ratio Lower Upper
168 100
99 64.4 50.8 76.2



#6
Chloroethane
Concen: 0.220 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.6#

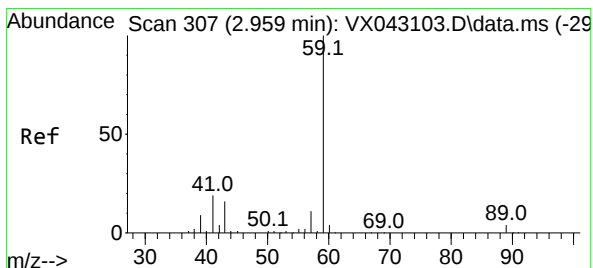
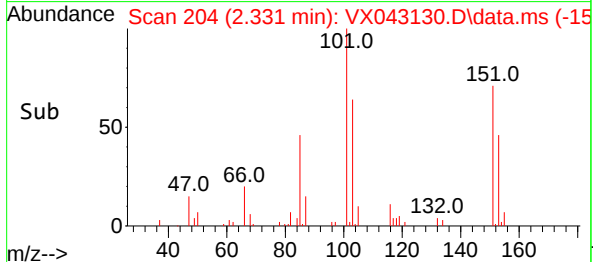
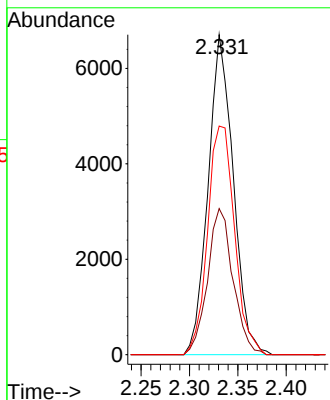
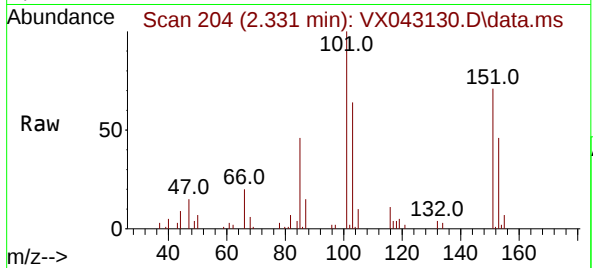




#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.797 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

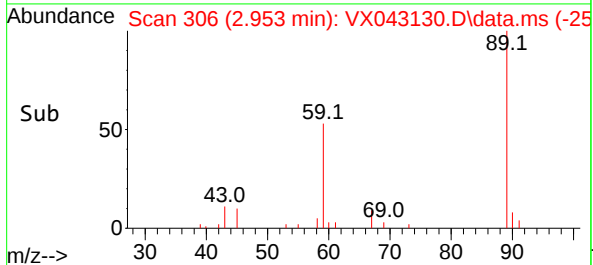
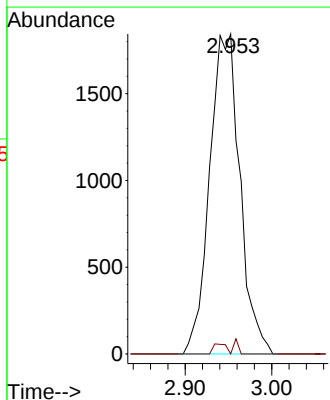
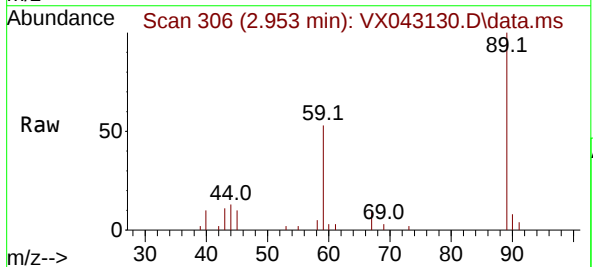
Instrument :
MSVOA_X
ClientSampleId :

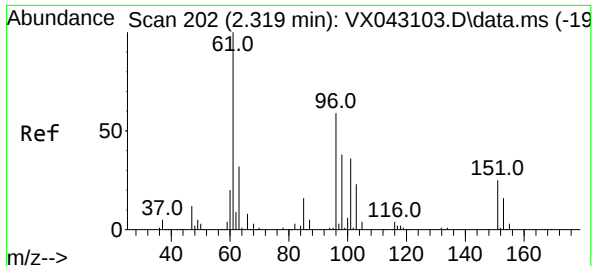
Tgt Ion:101 Resp: 12108
Ion Ratio Lower Upper
101 100
85 46.3 37.0 55.4
151 76.8 60.2 90.4



#11
Tert butyl alcohol
Concen: 13.017 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

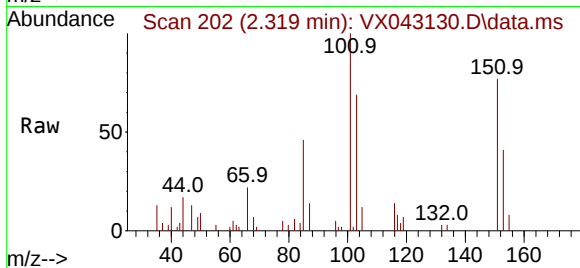
Tgt Ion: 59 Resp: 4472
Ion Ratio Lower Upper
59 100
57 1.4 8.6 13.0#



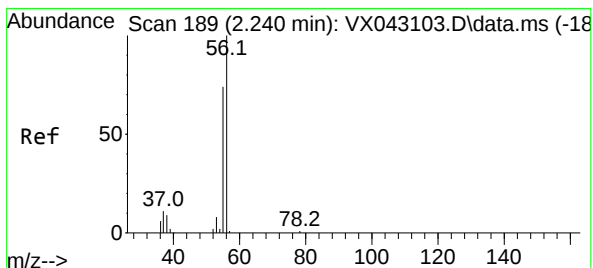
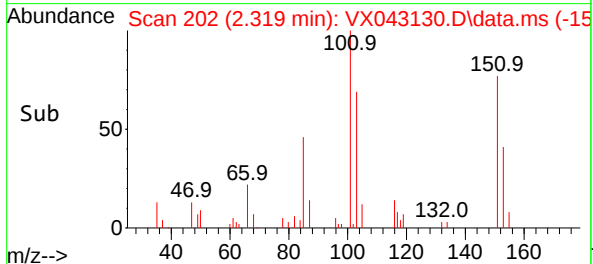
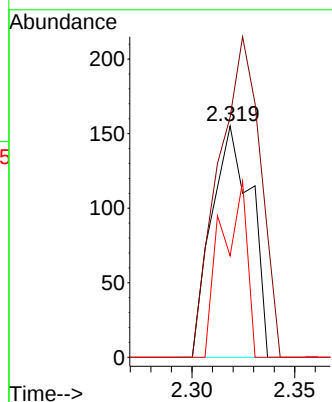


#12
1,1-Dichloroethene
Concen: 0.211 ug/l
RT: 2.319 min Scan# 207
Delta R.T. -0.000 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

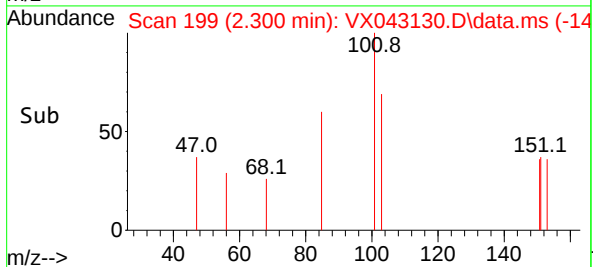
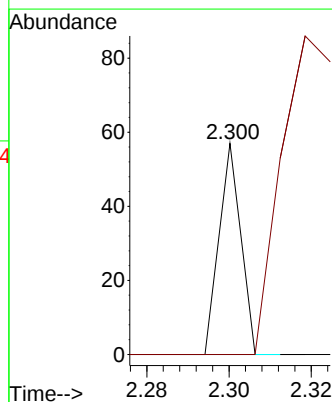
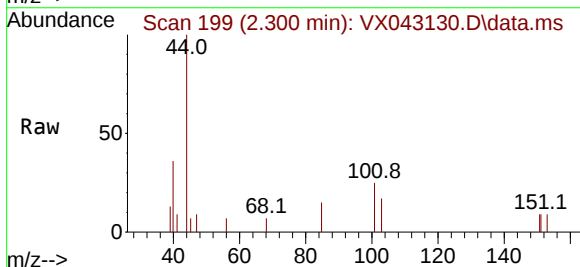


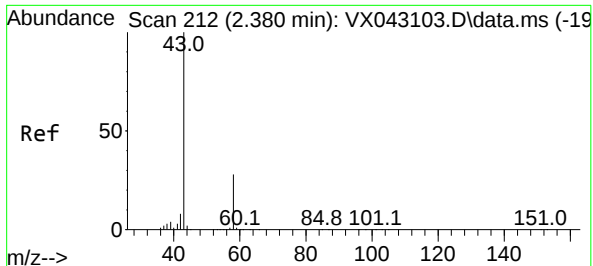
Tgt Ion: 96 Resp: 207
Ion Ratio Lower Upper
96 100
61 103.9 134.7 202.1#
98 43.9 51.6 77.4#



#13
Acrolein
Concen: 0.464 ug/l
RT: 2.300 min Scan# 199
Delta R.T. 0.061 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 381.0 55.8 83.6#

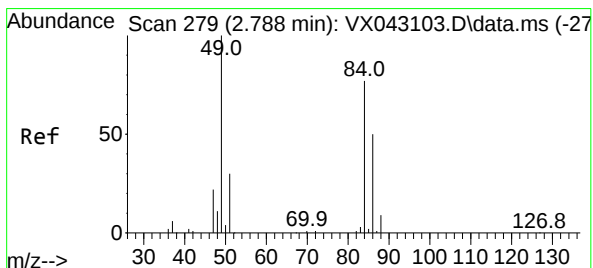
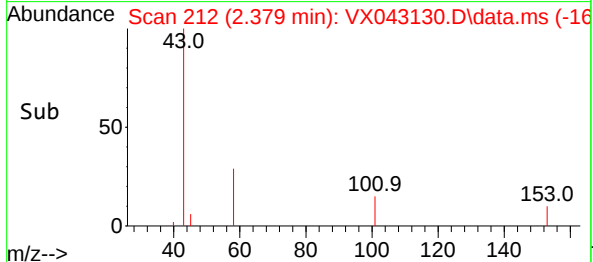
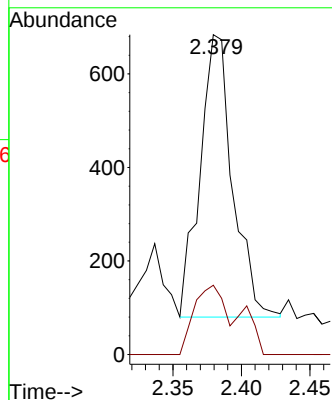
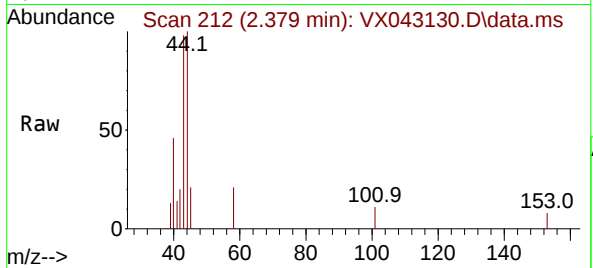




#16
Acetone
Concen: 1.398 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

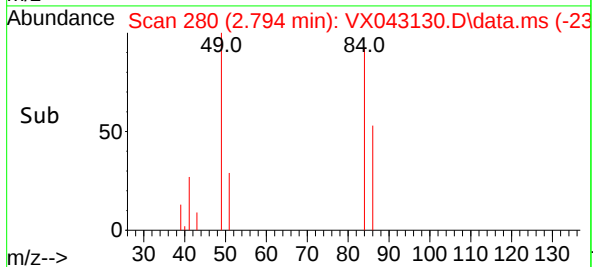
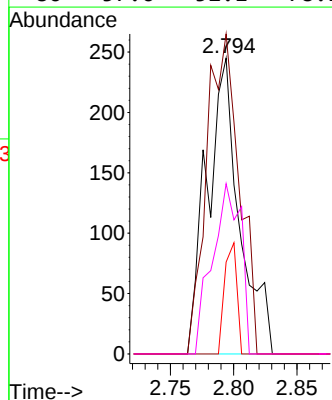
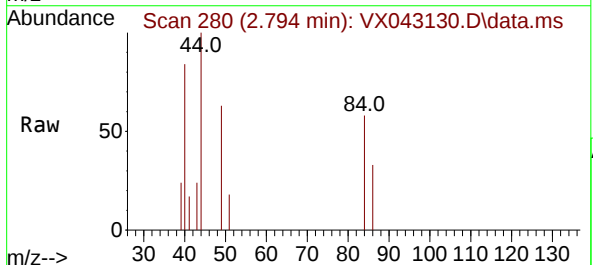
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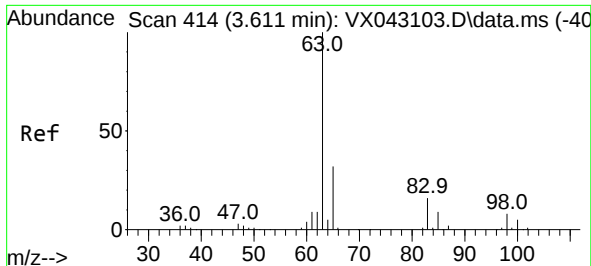
Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 24.5 22.6 34.0



#20
Methylene Chloride
Concen: 0.384 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion: 84 Resp: 440
Ion Ratio Lower Upper
84 100
49 108.2 104.1 156.1
51 31.0 31.1 46.7#
86 57.6 52.1 78.1

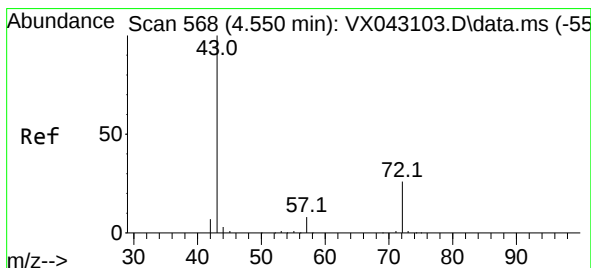
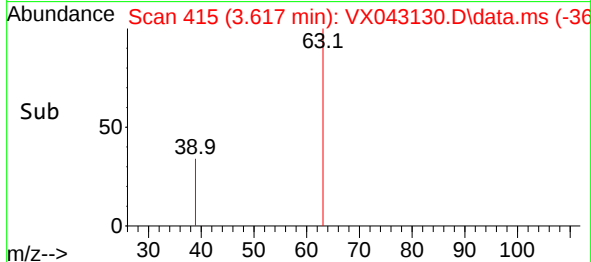
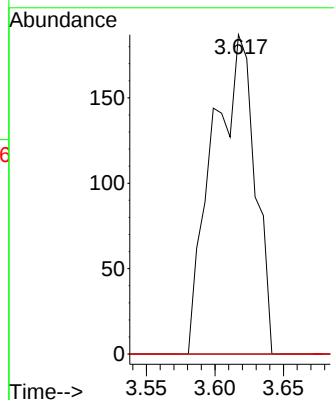
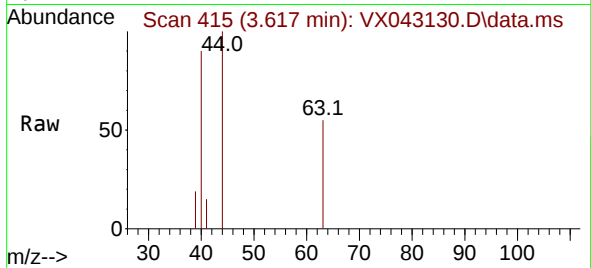




#24
 1,1-Dichloroethane
 Concen: 0.203 ug/l
 RT: 3.617 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX043130.D
 Acq: 24 Sep 2024 18:08

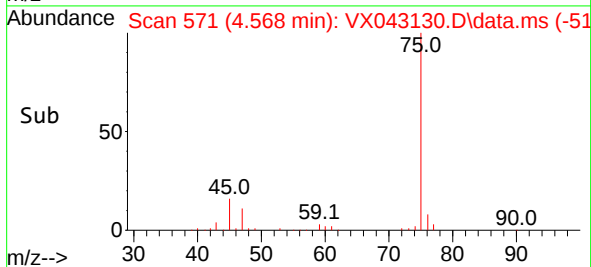
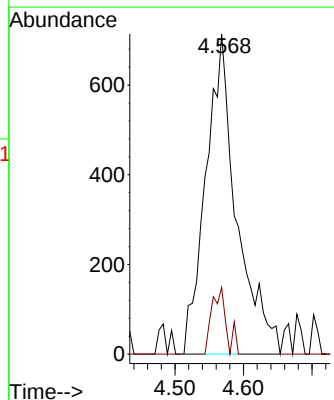
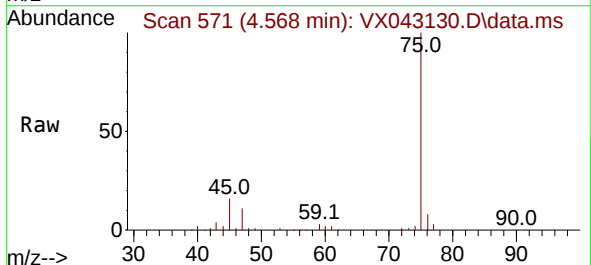
Instrument :
 MSVOA_X
 ClientSampleId :

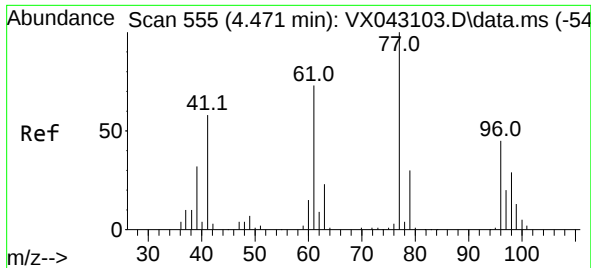
Tgt Ion: 63 Resp: 401
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.5#
 100 0.0 2.5 7.6#



#25
 2-Butanone
 Concen: 2.411 ug/l
 RT: 4.568 min Scan# 571
 Delta R.T. 0.018 min
 Lab File: VX043130.D
 Acq: 24 Sep 2024 18:08

Tgt Ion: 43 Resp: 2236
 Ion Ratio Lower Upper
 43 100
 72 20.9 20.7 31.1

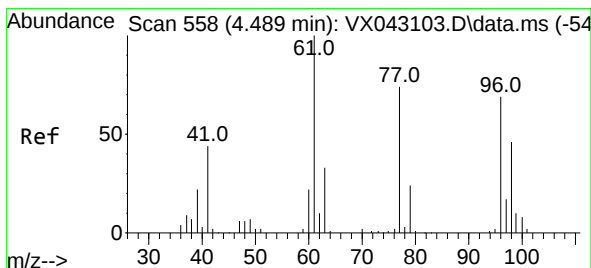
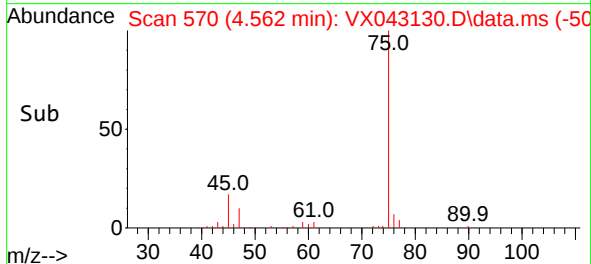
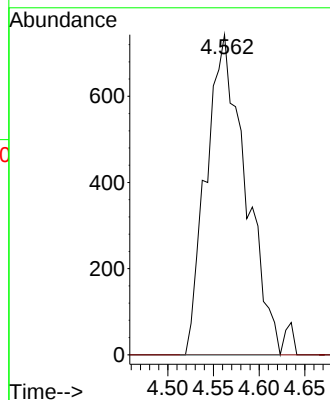
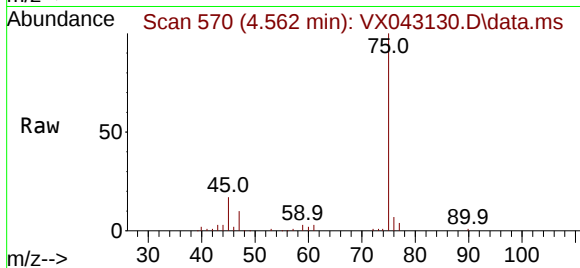




#26
2,2-Dichloropropane
Concen: 1.113 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.091 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

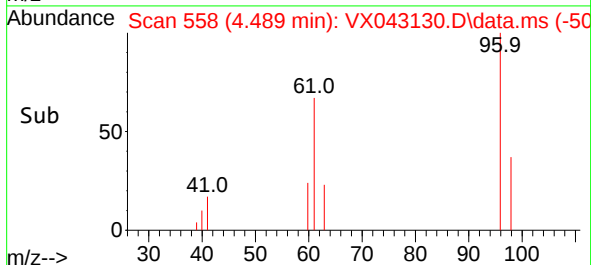
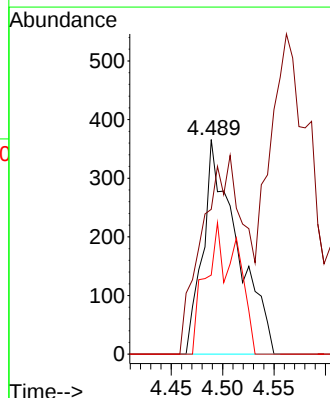
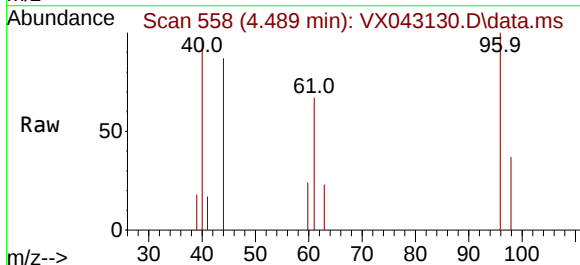
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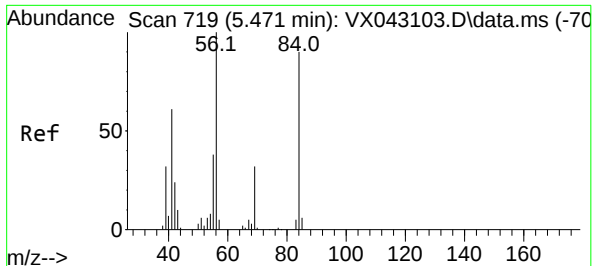
Tgt Ion: 77 Resp: 2224
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#27
cis-1,2-Dichloroethene
Concen: 0.667 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

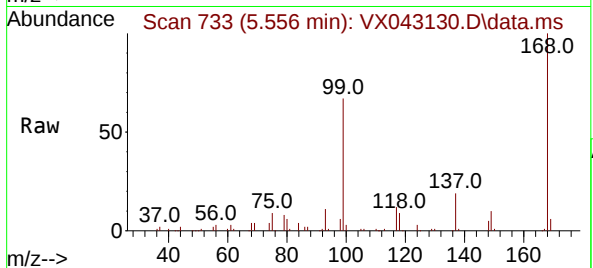
Tgt Ion: 96 Resp: 844
Ion Ratio Lower Upper
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61 115.8 0.0 297.8
98 32.0 0.0 131.2



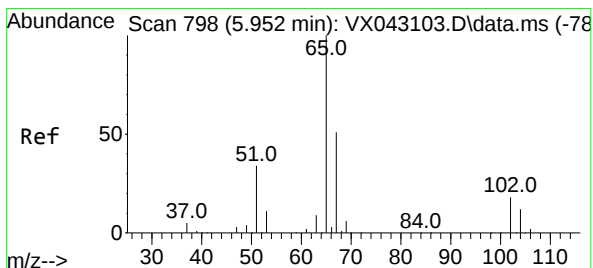
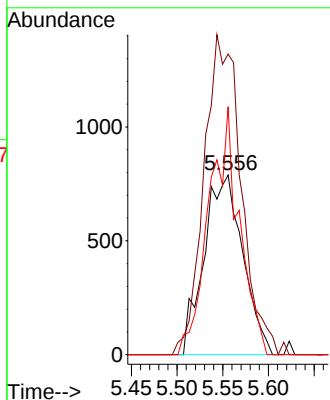
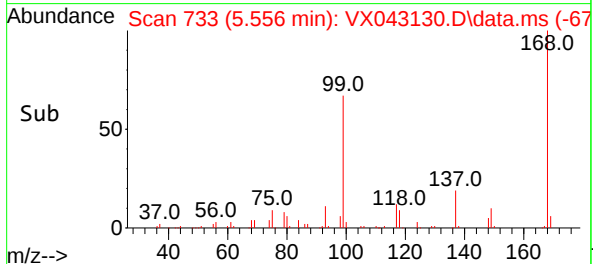


#31
Cyclohexane
Concen: 1.542 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

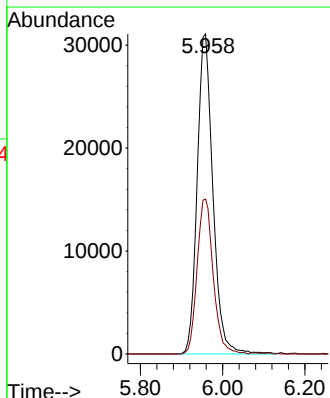
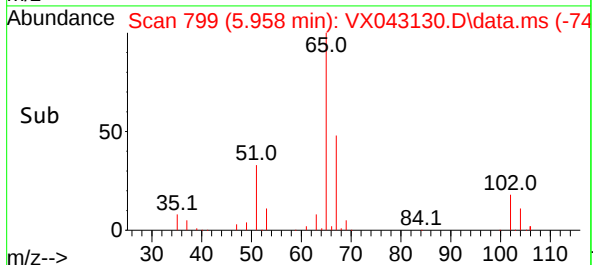
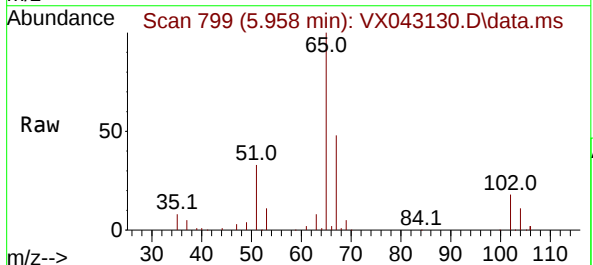


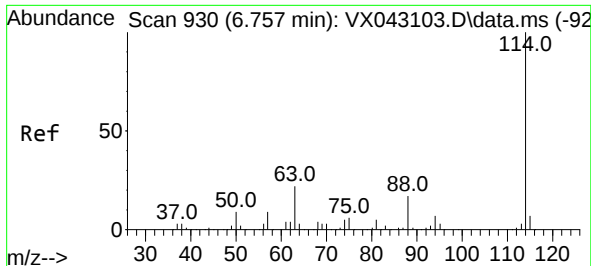
Tgt Ion: 56 Resp: 2333
Ion Ratio Lower Upper
56 100
69 167.5 25.8 38.6#
84 138.2 72.4 108.6#



#33
1,2-Dichloroethane-d4
Concen: 53.569 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion: 65 Resp: 82427
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.0

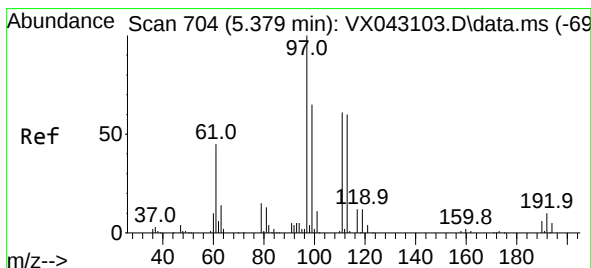
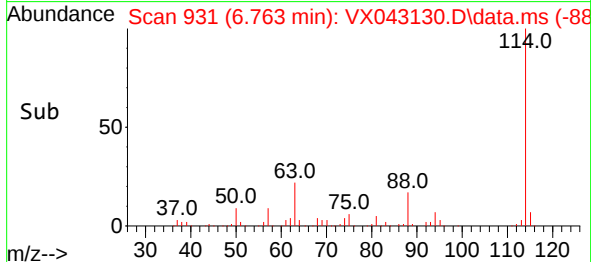
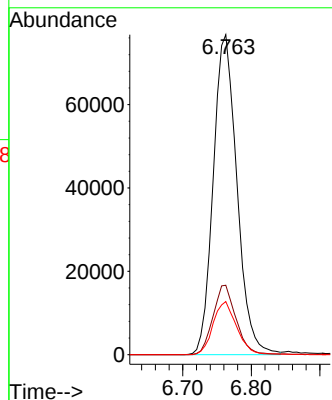
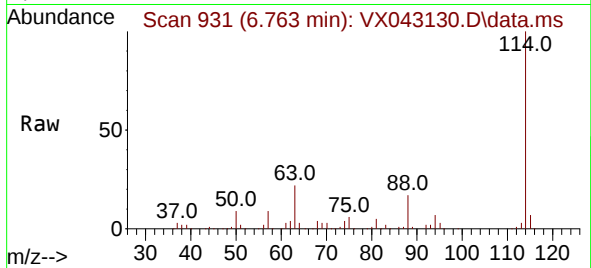




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

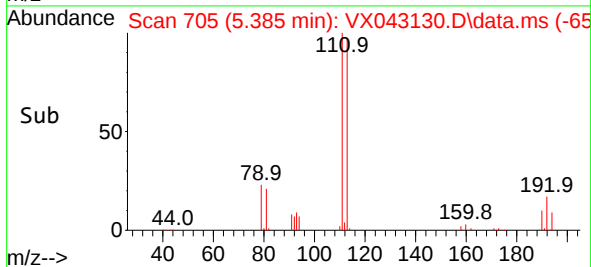
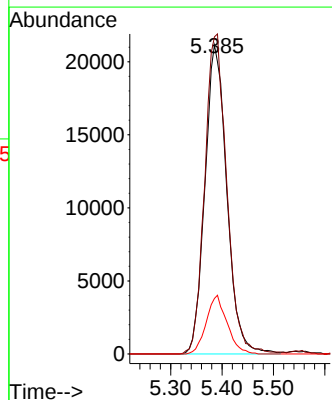
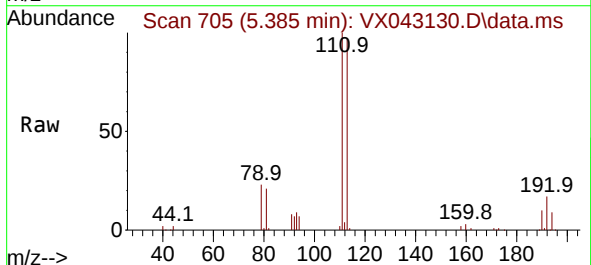
Instrument :
MSVOA_X
ClientSampleId :

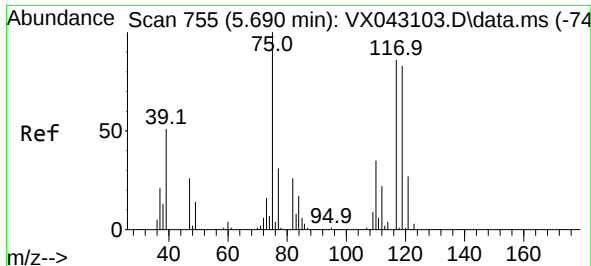
Tgt Ion:114 Resp: 184298
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.2
88 16.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.259 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion:113 Resp: 62742
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 18.0 14.6 22.0





#36

1,1-Dichloropropene

Concen: 5.162 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.141 min

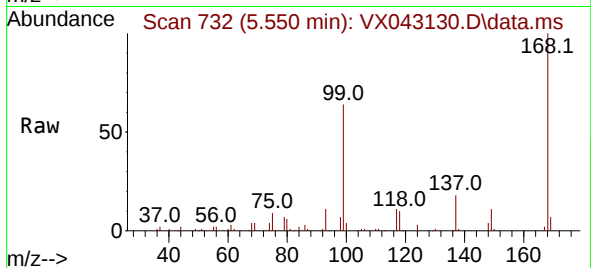
Lab File: VX043130.D

Acq: 24 Sep 2024 18:08

Instrument :

MSVOA_X

ClientSampleId :



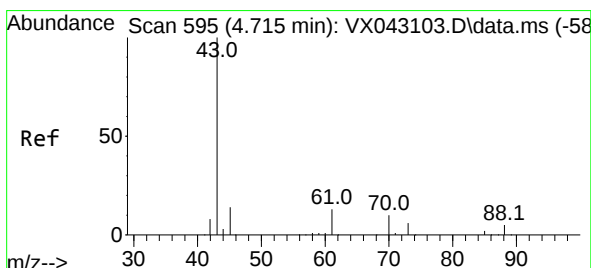
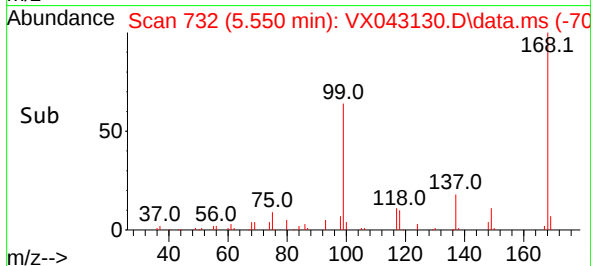
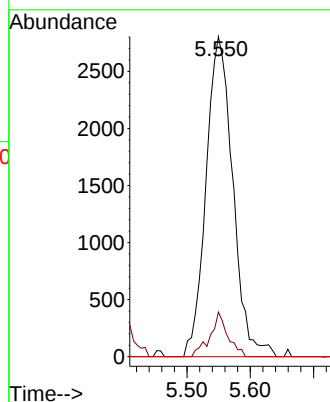
Tgt Ion: 75 Resp: 8246

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.114 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.147 min

Lab File: VX043130.D

Acq: 24 Sep 2024 18:08

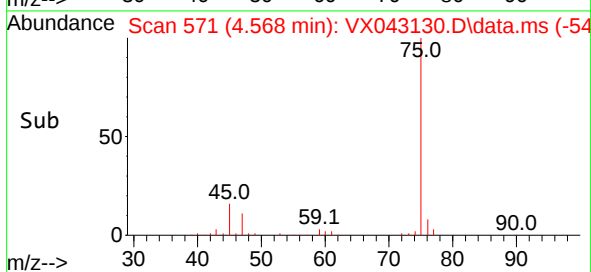
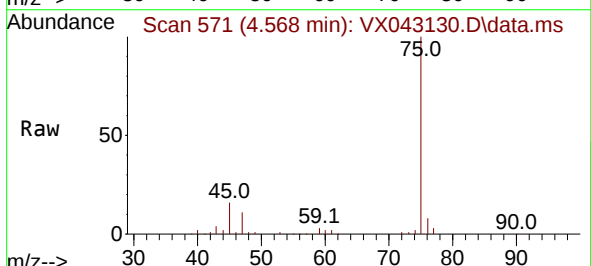
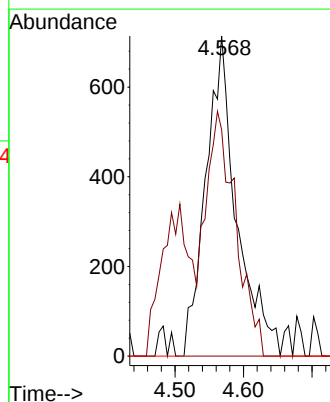
Tgt Ion: 43 Resp: 2236

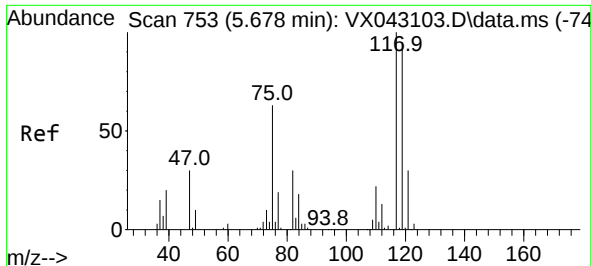
Ion Ratio Lower Upper

43 100

61 74.2 10.9 16.3#

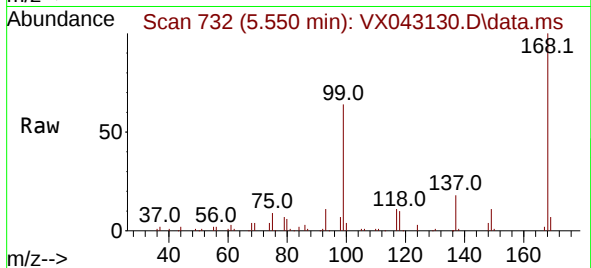
70 0.0 8.6 13.0#



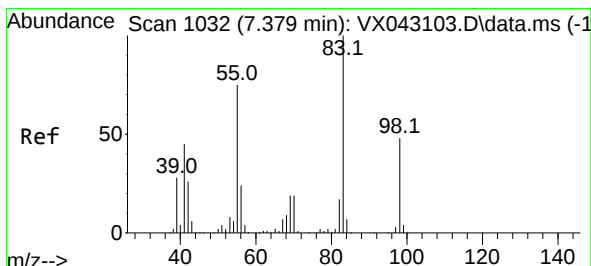
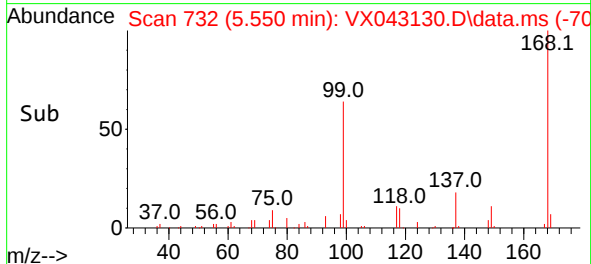
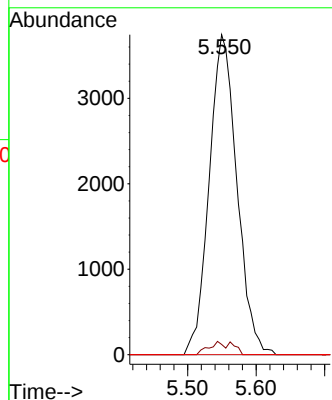


#38
Carbon Tetrachloride
Concen: 5.110 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

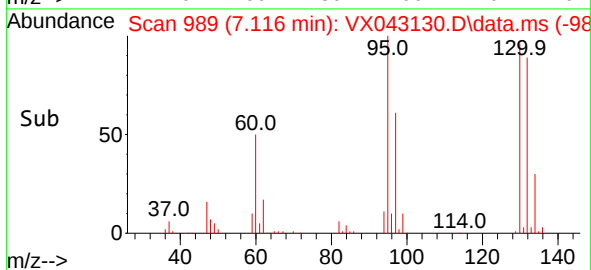
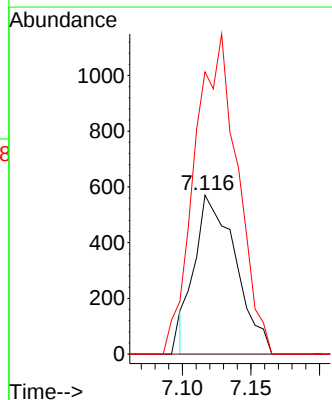
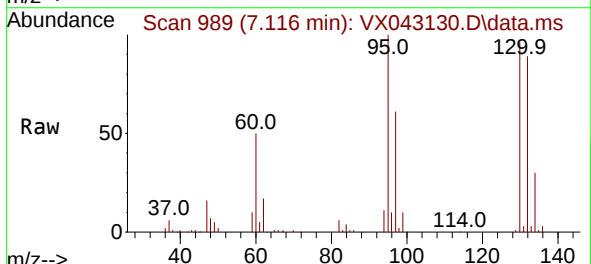


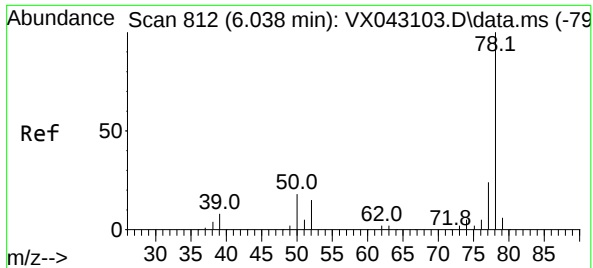
Tgt Ion:117 Resp: 10515
Ion Ratio Lower Upper
117 100
119 3.2 75.5 113.3#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.589 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.262 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion: 83 Resp: 1180
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.4#
98 177.7 38.6 58.0#

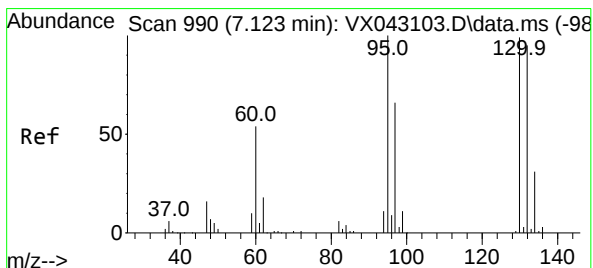
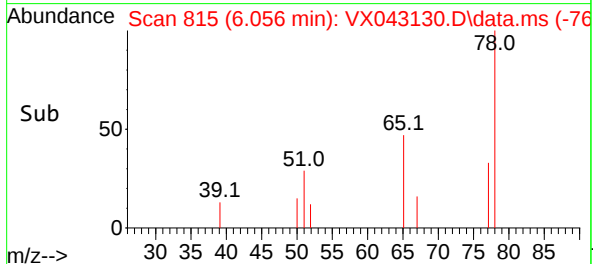
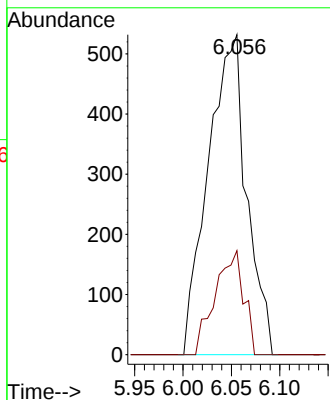
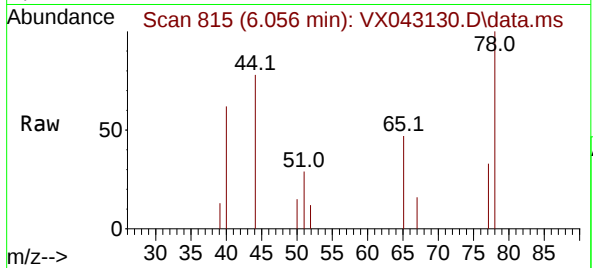




#40
Benzene
Concen: 0.313 ug/l
RT: 6.056 min Scan# 812
Delta R.T. 0.018 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

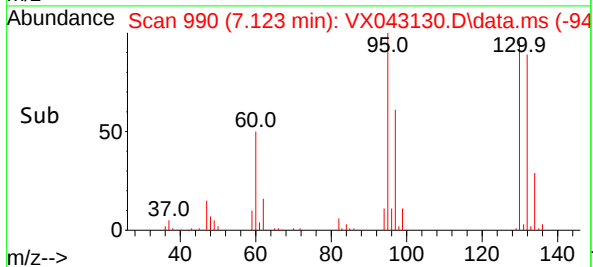
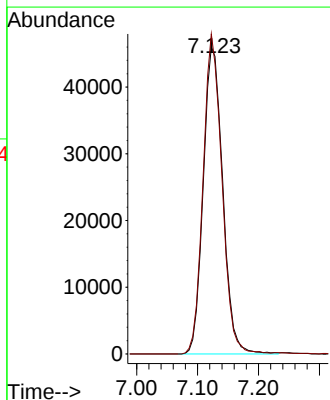
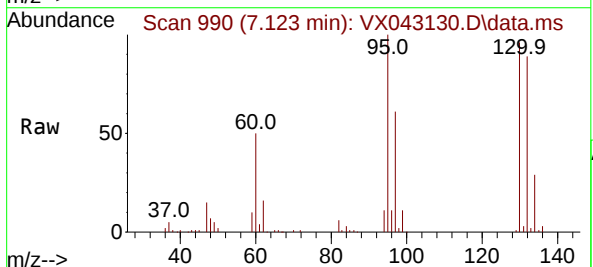
Instrument :
MSVOA_X
ClientSampleId :

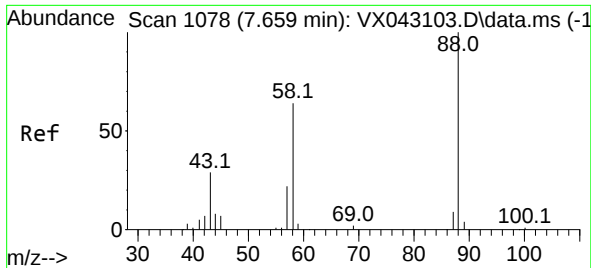
Tgt Ion: 78 Resp: 1474
Ion Ratio Lower Upper
78 100
77 32.5 19.3 28.9#



#44
Trichloroethene
Concen: 79.509 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion:130 Resp: 102549
Ion Ratio Lower Upper
130 100
95 104.2 0.0 201.6

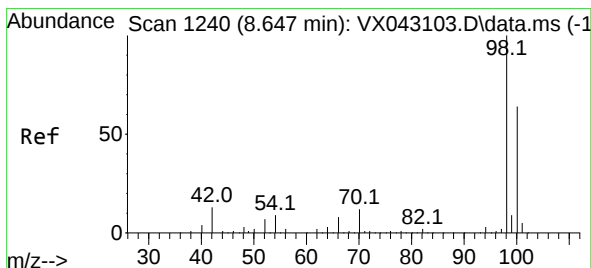
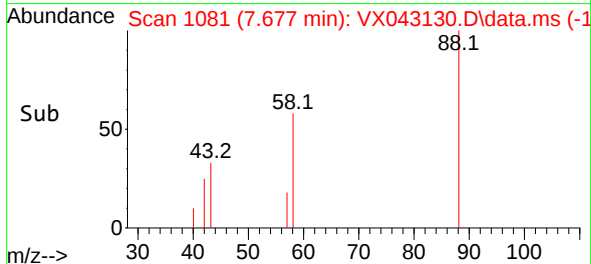
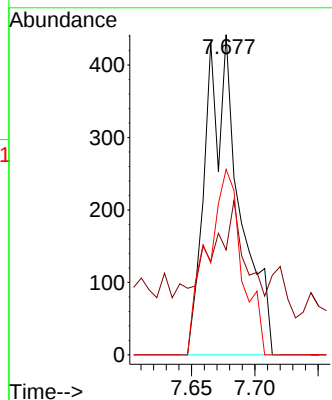
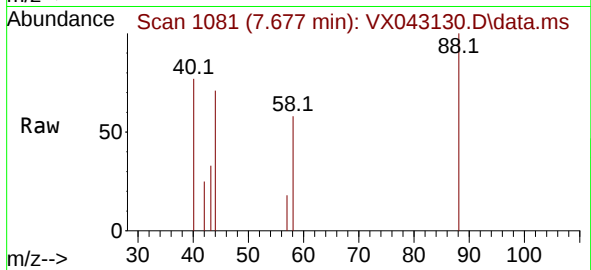




#49
1,4-Dioxane
Concen: 26.225 ug/l
RT: 7.677 min Scan# 1078
Delta R.T. 0.018 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

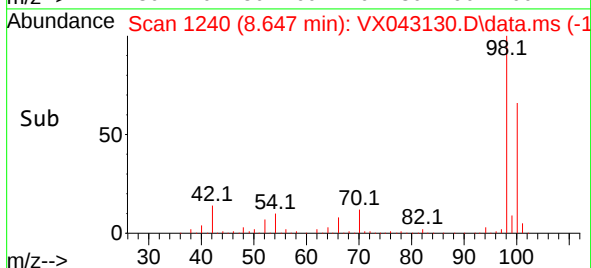
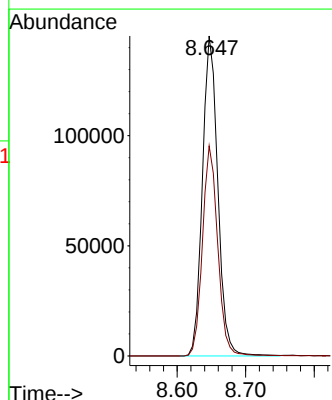
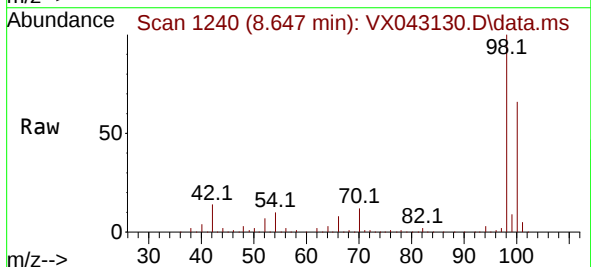
Instrument :
MSVOA_X
ClientSampleId :

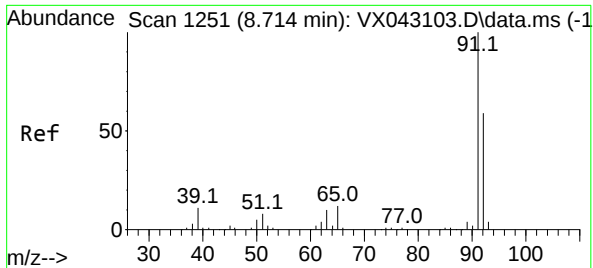
Tgt Ion: 88 Resp: 815
Ion Ratio Lower Upper
88 100
43 31.8 29.5 44.3
58 59.9 52.5 78.7



#50
Toluene-d8
Concen: 51.759 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion: 98 Resp: 227663
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

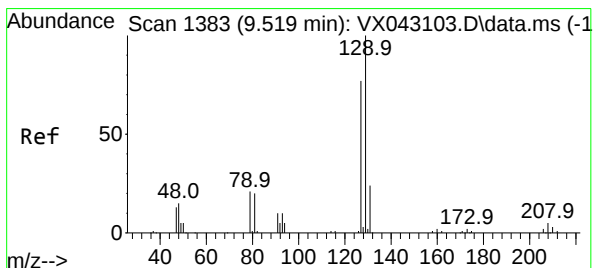
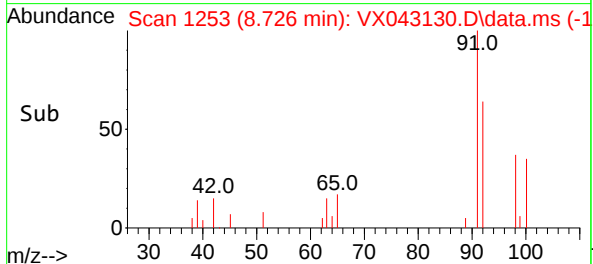
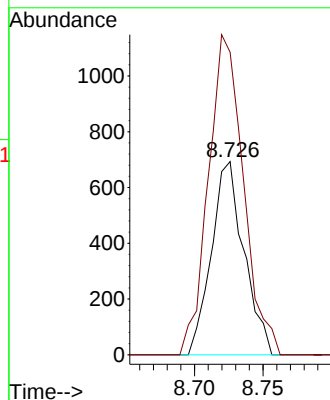
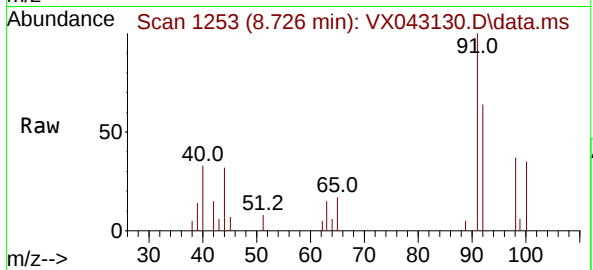




#52
Toluene
Concen: 0.377 ug/l
RT: 8.726 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

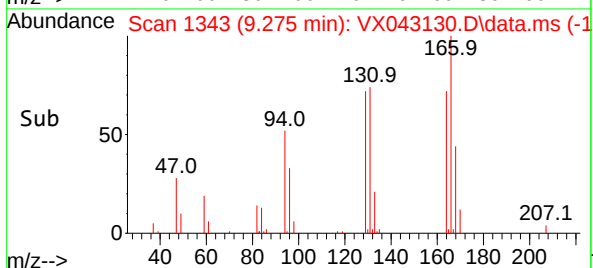
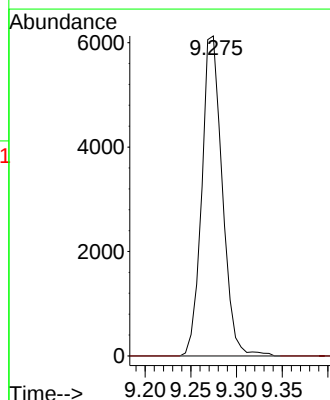
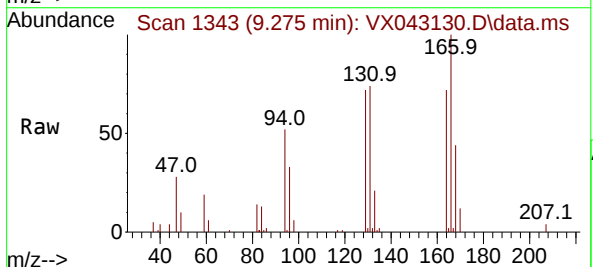
Instrument :
MSVOA_X
ClientSampleId :

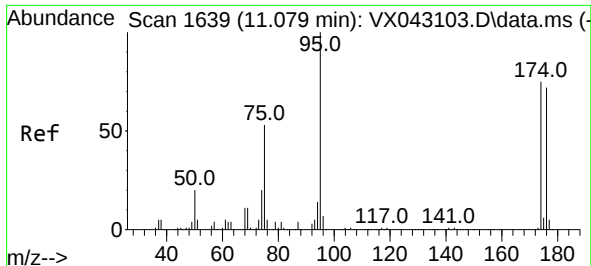
Tgt Ion: 92 Resp: 1144
Ion Ratio Lower Upper
92 100
91 178.5 135.9 203.9



#60
Dibromochloromethane
Concen: 5.854 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion:129 Resp: 9556
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 53.651 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043130.D

Acq: 24 Sep 2024 18:08

Instrument :

MSVOA_X

ClientSampleId :

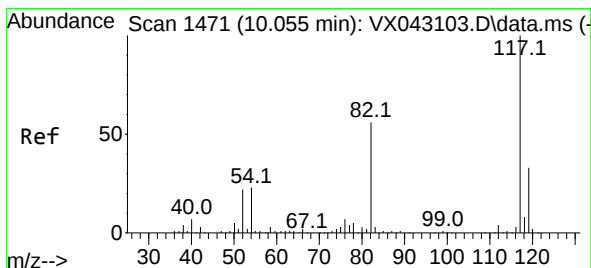
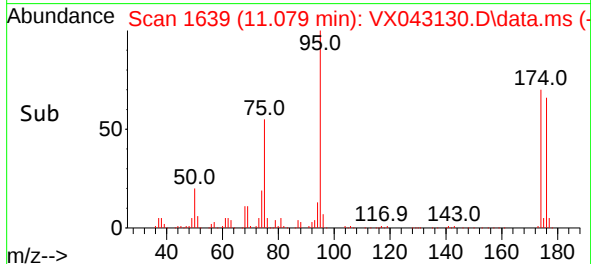
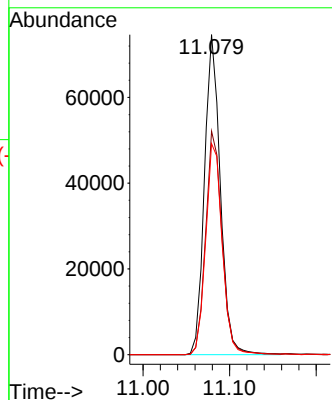
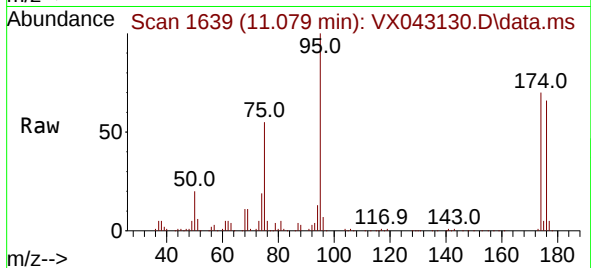
Tgt Ion: 95 Resp: 95035

Ion Ratio Lower Upper

95 100

174 71.9 0.0 146.0

176 68.9 0.0 142.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043130.D

Acq: 24 Sep 2024 18:08

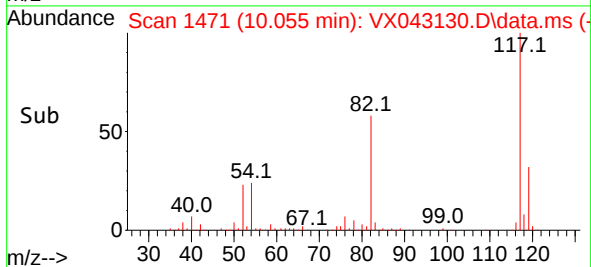
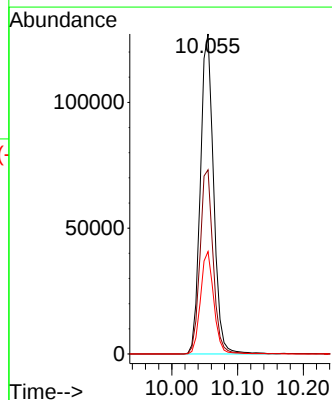
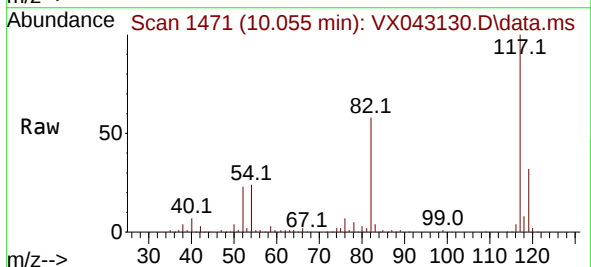
Tgt Ion: 117 Resp: 177505

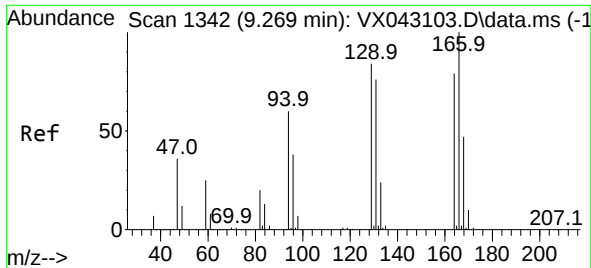
Ion Ratio Lower Upper

117 100

82 57.6 44.7 67.1

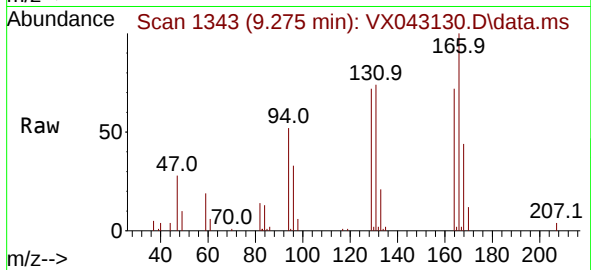
119 32.0 26.3 39.5



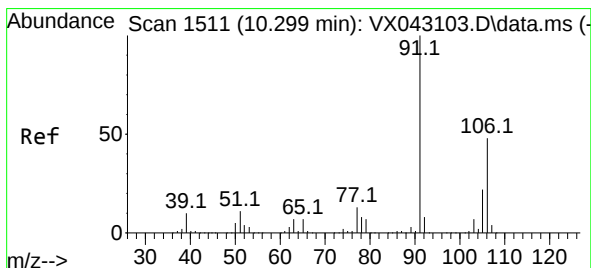
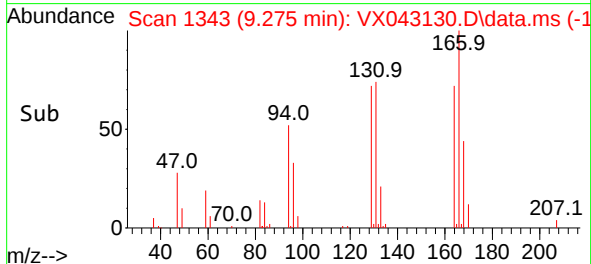
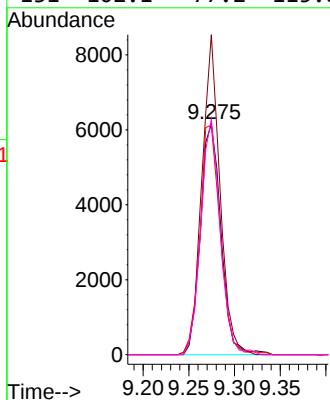


#64
Tetrachloroethene
Concen: 7.453 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

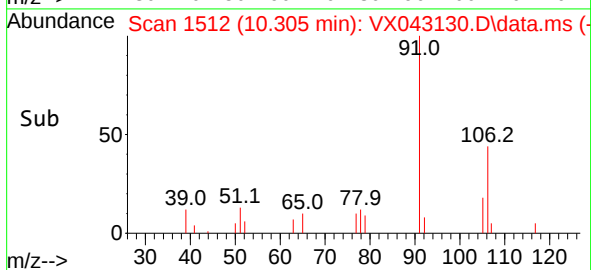
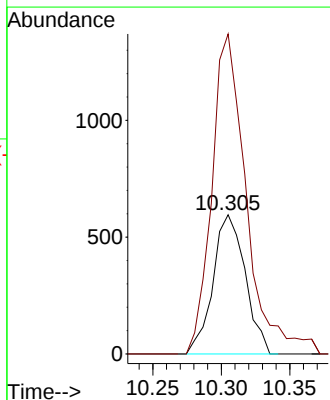
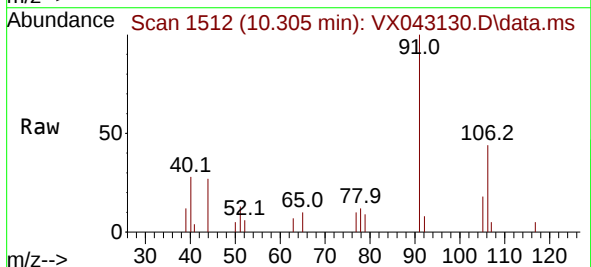


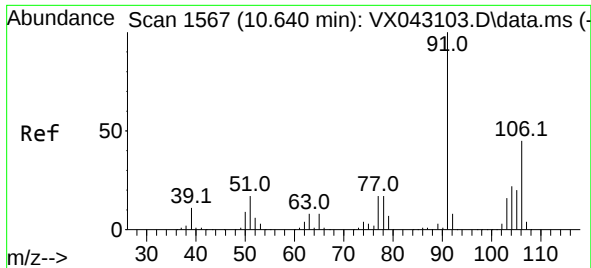
Tgt	Ion:164	Resp:	9586
Ion	Ratio	Lower	Upper
164	100		
166	138.7	101.2	151.8
129	99.6	84.7	127.1
131	102.1	77.2	115.8



#68
m/p-Xylenes
Concen: 0.396 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion:106	Resp:	975	
Ion	Ratio	Lower	Upper
106	100		
91	246.6	167.5	251.3

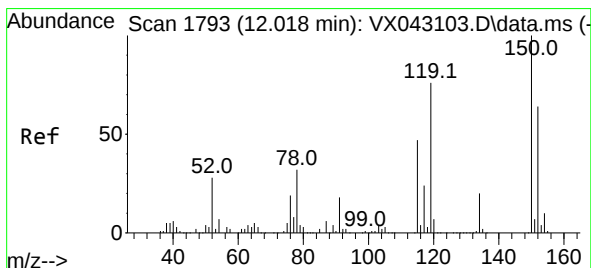
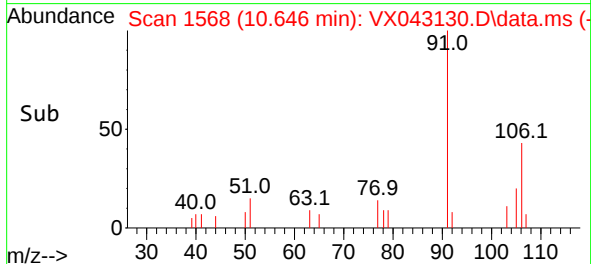
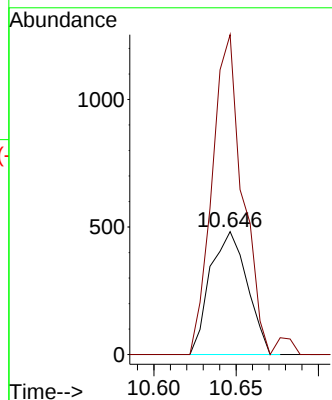
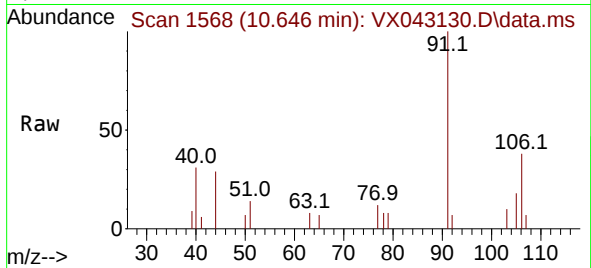




#69
o-Xylene
Concen: 0.306 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

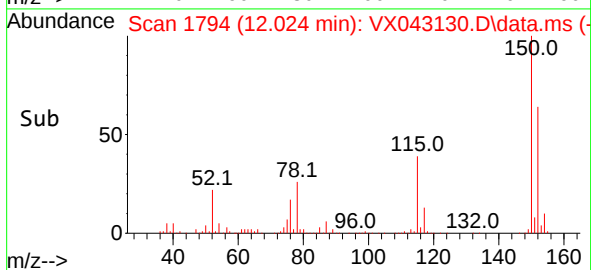
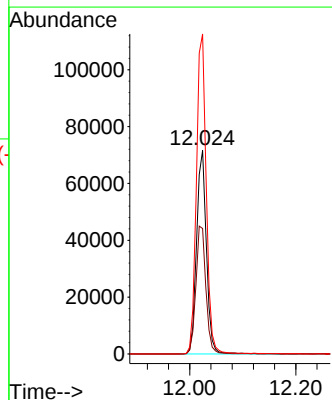
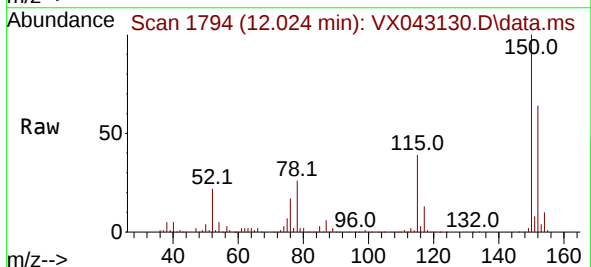
Instrument :
MSVOA_X
ClientSampleId :

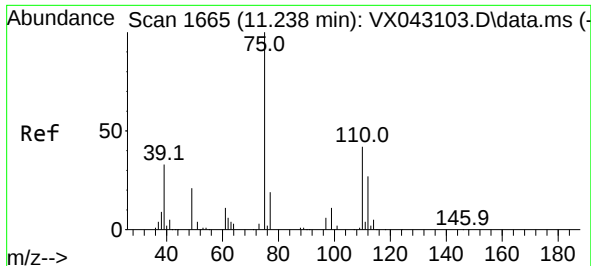
Tgt Ion:106 Resp: 756
Ion Ratio Lower Upper
106 100
91 221.0 112.5 337.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion:152 Resp: 91681
Ion Ratio Lower Upper
152 100
115 64.0 43.7 131.1
150 157.6 0.0 344.6

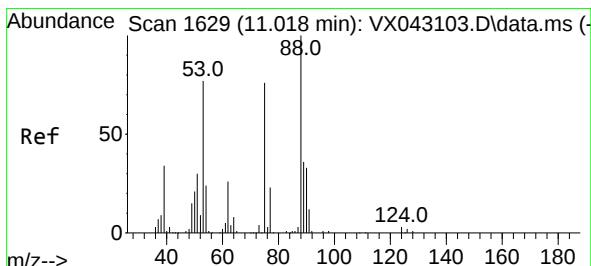
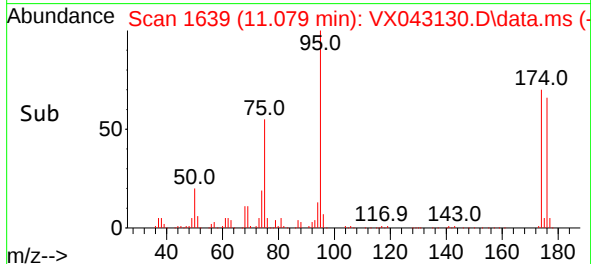
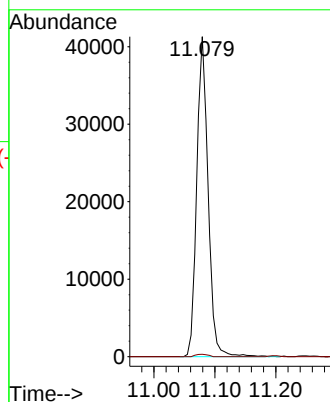
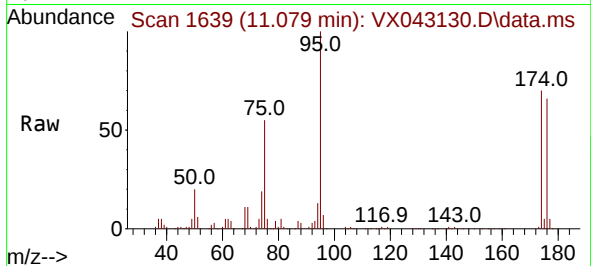




#76
1,2,3-Trichloropropane
Concen: 27.329 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

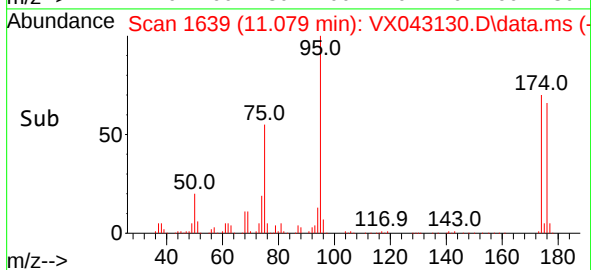
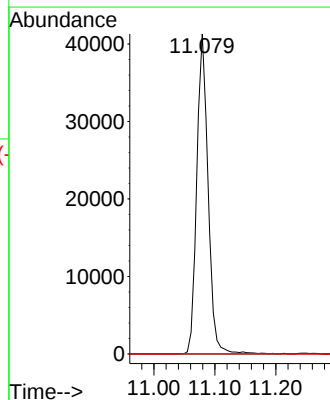
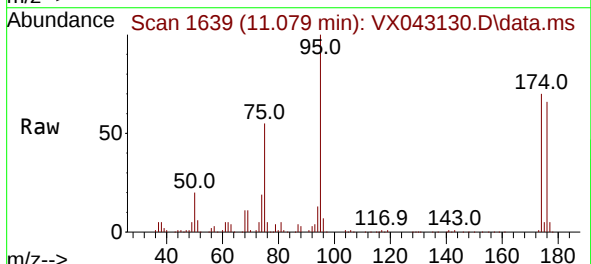
Instrument :
MSVOA_X
ClientSampleId :

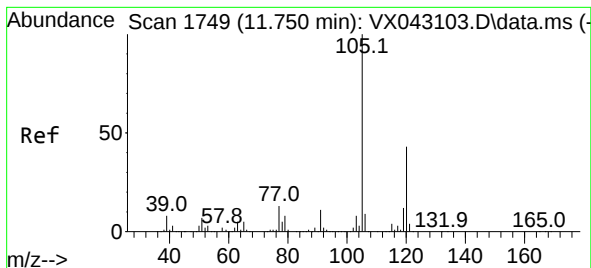
Tgt Ion: 75 Resp: 53269
Ion Ratio Lower Upper
75 100
77 0.8 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.113 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043130.D
Acq: 24 Sep 2024 18:08

Tgt Ion: 75 Resp: 53269
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.268 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043130.D

Acq: 24 Sep 2024 18:08

Instrument :

MSVOA_X

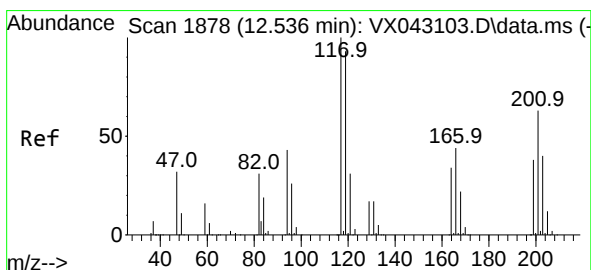
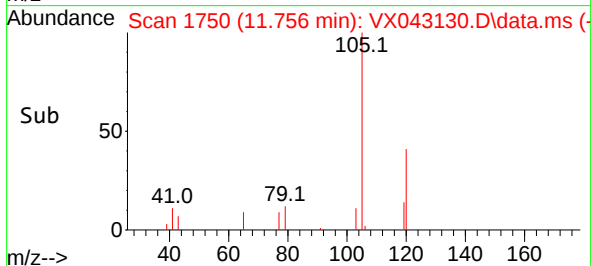
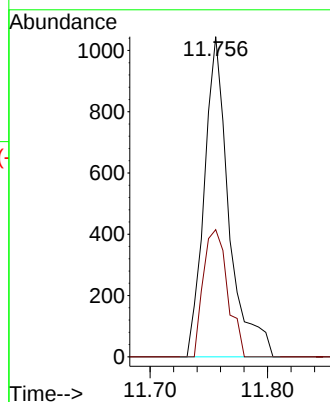
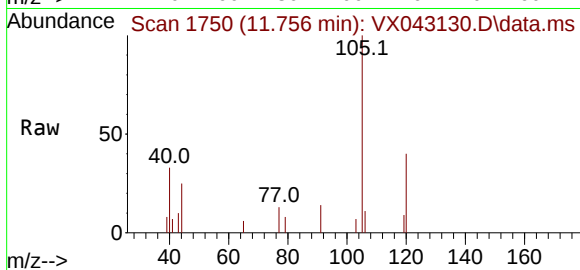
ClientSampleId :

Tgt Ion:105 Resp: 1519

Ion Ratio Lower Upper

105 100

120 39.1 21.8 65.4



#90

Hexachloroethane

Concen: 0.246 ug/l

RT: 12.414 min Scan# 1858

Delta R.T. -0.122 min

Lab File: VX043130.D

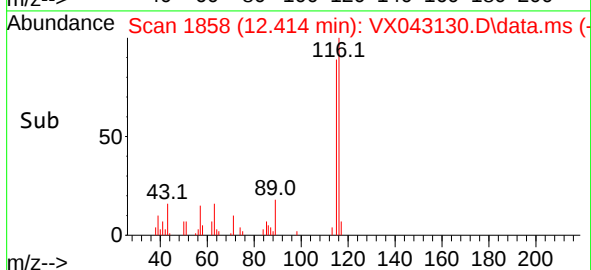
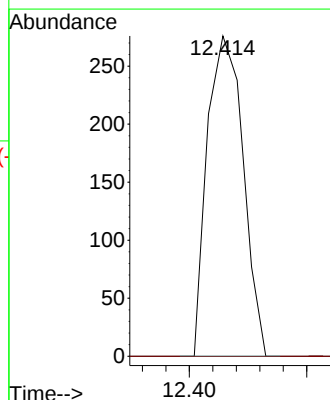
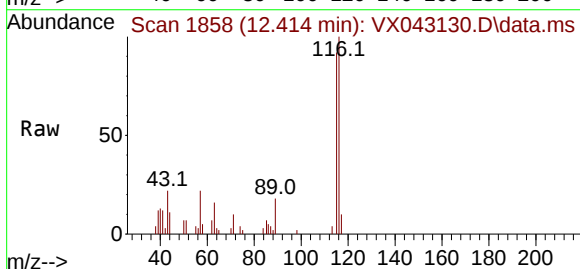
Acq: 24 Sep 2024 18:08

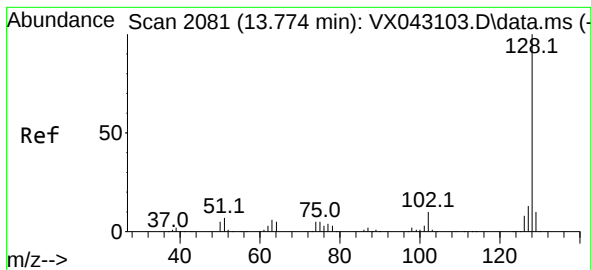
Tgt Ion:117 Resp: 293

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#





#95

Naphthalene

Concen: 6.538 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

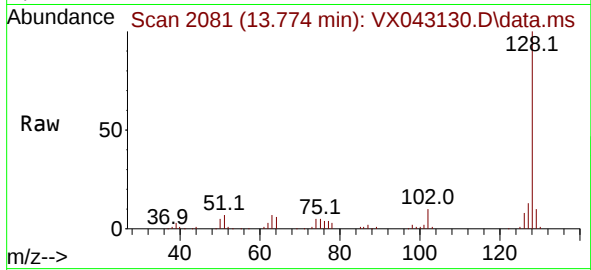
Lab File: VX043130.D

Acq: 24 Sep 2024 18:08

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 41762

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 10.5 8.6 13.0

