

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026818.D
 Acq On : 08 Feb 2022 13:41
 Operator : JC/MD
 Sample : N1405-07 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 09 03:02:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

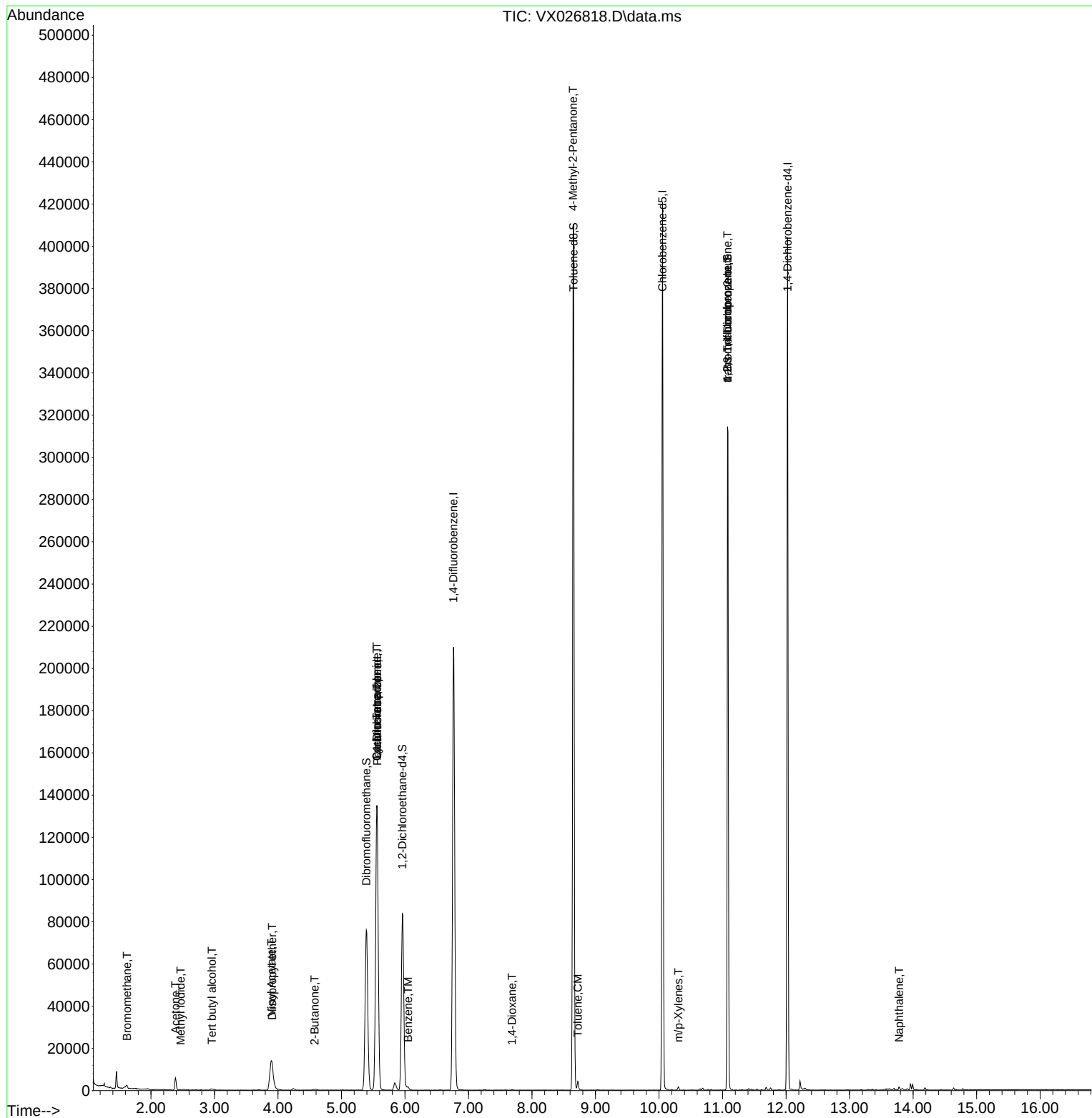
Internal Standards						
1) Pentafluorobenzene	5.562	168	129894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	218636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81831	52.481	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 104.960%		
35) Dibromofluoromethane	5.391	113	67713	51.983	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.960%		
50) Toluene-d8	8.653	98	247983	51.864	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.720%		
62) 4-Bromofluorobenzene	11.079	95	88462	52.550	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 105.100%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	133	0.228	ug/l #	69
6) Chloroethane	1.551	64	22	Below Cal	#	43
10) Methyl Iodide	2.465	142	227	2.372	ug/l #	58
11) Tert butyl alcohol	2.959	59	904	3.209	ug/l #	75
16) Acetone	2.386	43	6471	9.449	ug/l	99
22) Diisopropyl ether	3.910	45	1313	0.277	ug/l #	1
23) Vinyl Acetate	3.898	43	3331	0.836	ug/l #	73
25) 2-Butanone	4.574	43	316	0.286	ug/l #	50
31) Cyclohexane	5.556	56	2616	1.056	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10056	4.894	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13309	6.176	ug/l #	18
40) Benzene	6.050	78	1850	0.309	ug/l #	79
49) 1,4-Dioxane	7.684	88	146	4.759	ug/l #	67
51) 4-Methyl-2-Pentanone	8.647	43	1064	0.489	ug/l #	1
52) Toluene	8.720	92	1608	0.424	ug/l	98
68) m/p-Xylenes	10.305	106	540	0.204	ug/l	84
76) 1,2,3-Trichloropropane	11.079	75	43403	24.320	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	43403	74.274	ug/l #	3
95) Naphthalene	13.780	128	1195	0.200	ug/l #	94

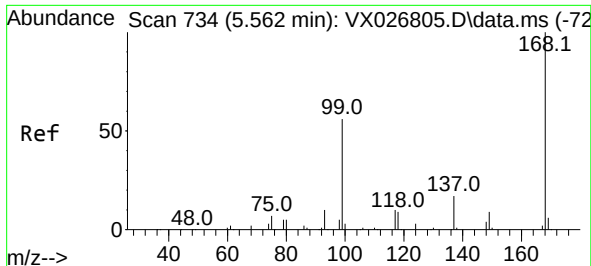
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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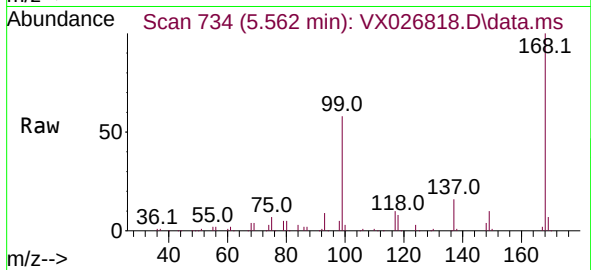
Quant Time: Feb 09 03:02:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 08 07:07:46 2022
Response via : Initial Calibration



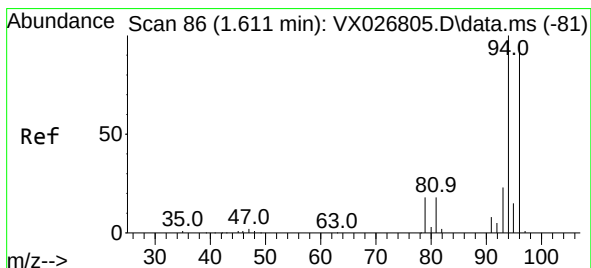
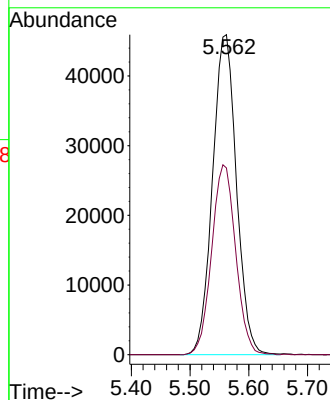
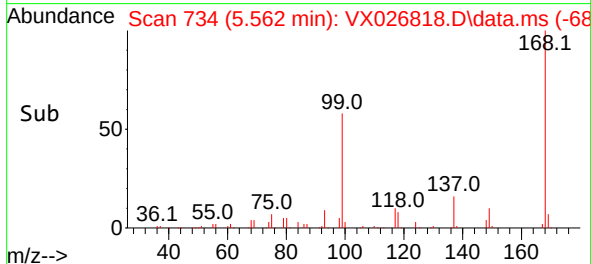


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Instrument :
MSVOA_X
ClientSampleId :

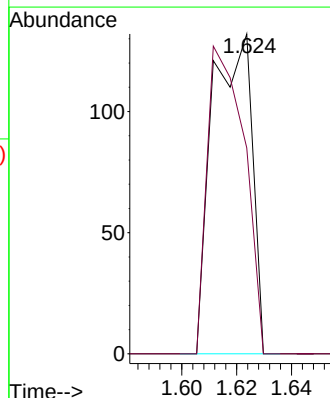
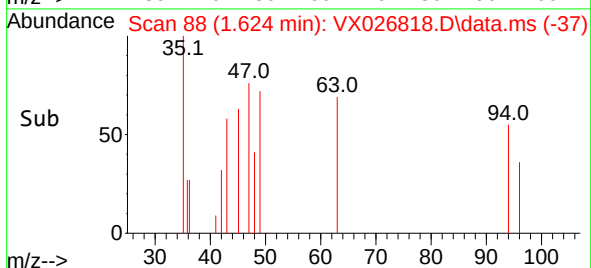
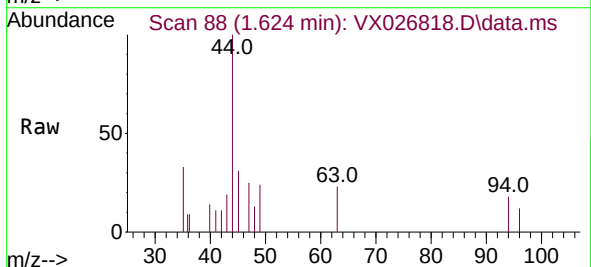


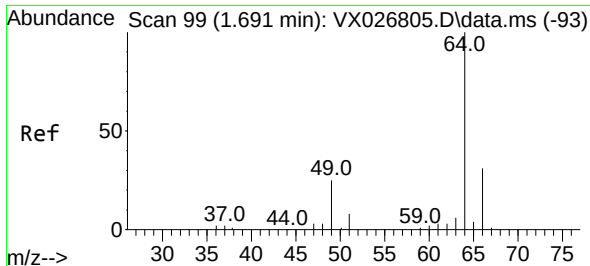
Tgt Ion:168 Resp: 129894
Ion Ratio Lower Upper
168 100
99 58.3 50.3 75.5



#5
Bromomethane
Concen: 0.228 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Tgt Ion: 94 Resp: 133
Ion Ratio Lower Upper
94 100
96 64.4 75.9 113.9#

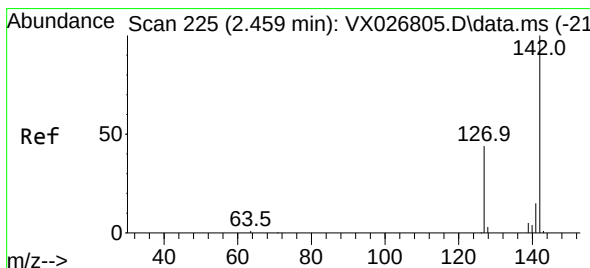
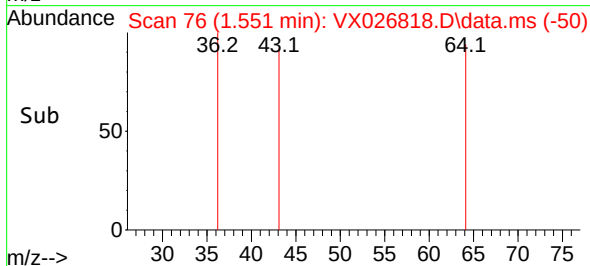
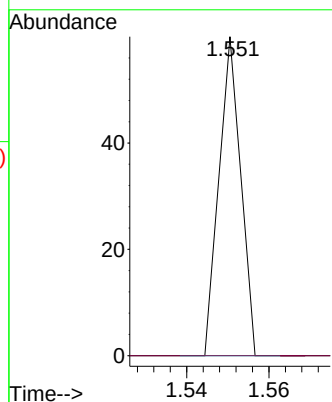
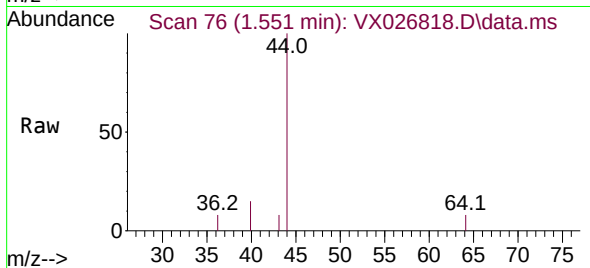




#6
Chloroethane
Concen: Below Cal
RT: 1.551 min Scan# 70
Delta R.T. -0.140 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

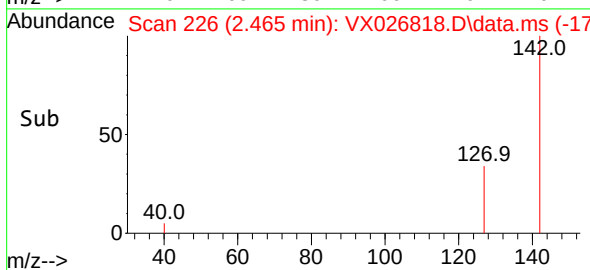
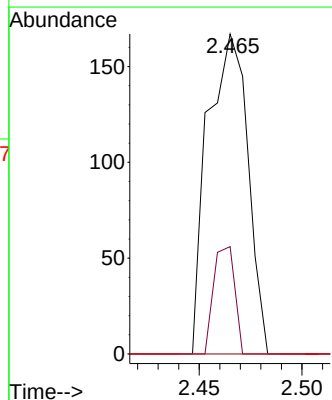
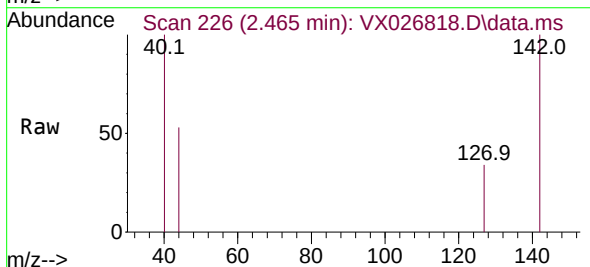
Instrument :
MSVOA_X
ClientSampleId :

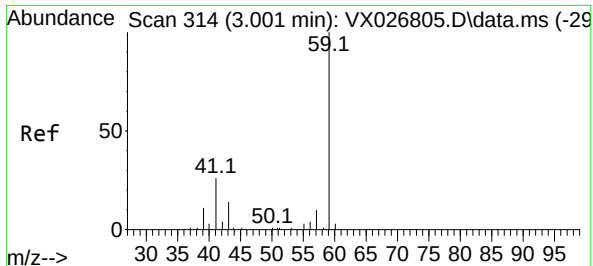
Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 2.372 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Tgt Ion: 142 Resp: 227
Ion Ratio Lower Upper
142 100
127 17.6 38.1 57.1#
141 0.0 11.2 16.8#





#11

Tert butyl alcohol

Concen: 3.209 ug/l

RT: 2.959 min Scan# 30

Delta R.T. -0.042 min

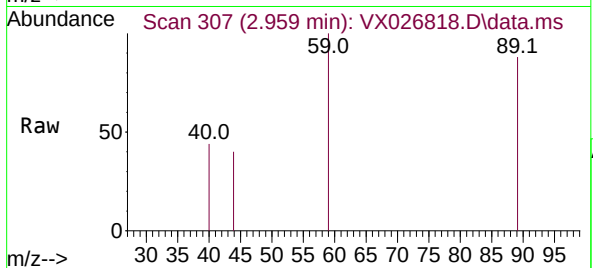
Lab File: VX026818.D

Acq: 08 Feb 2022 13:41

Instrument :

MSVOA_X

ClientSampleId :

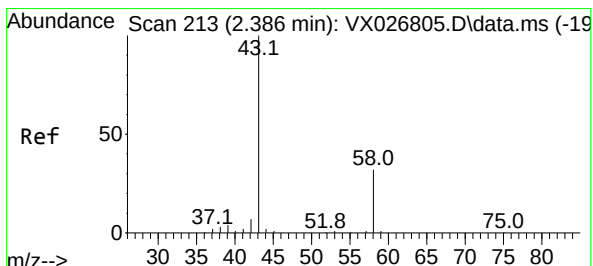
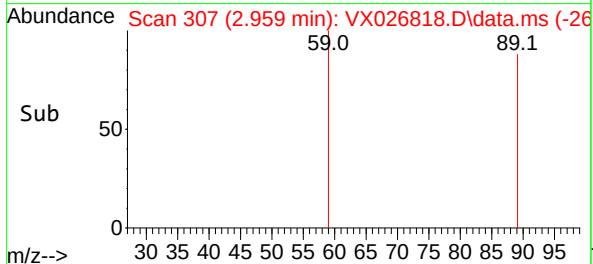
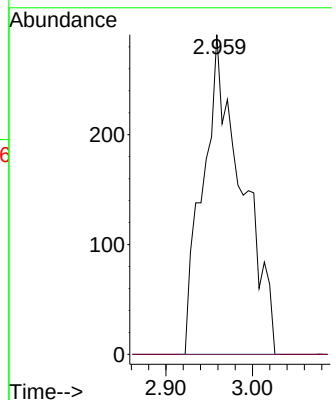


Tgt Ion: 59 Resp: 904

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 9.449 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX026818.D

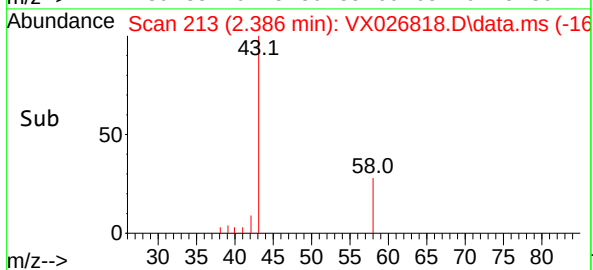
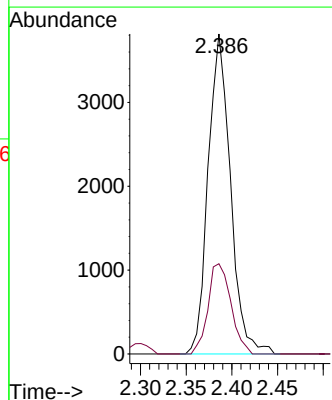
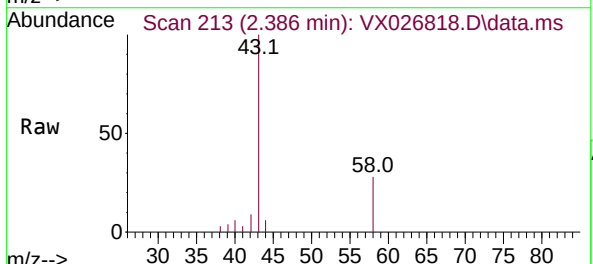
Acq: 08 Feb 2022 13:41

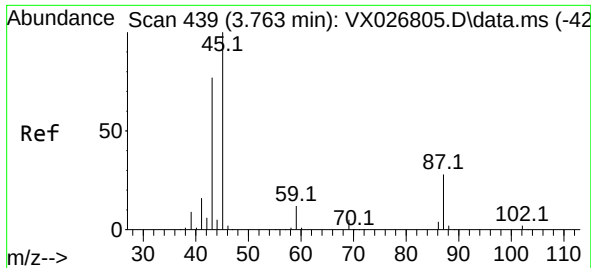
Tgt Ion: 43 Resp: 6471

Ion Ratio Lower Upper

43 100

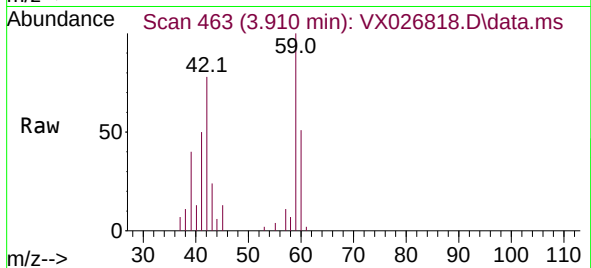
58 28.2 23.0 34.6



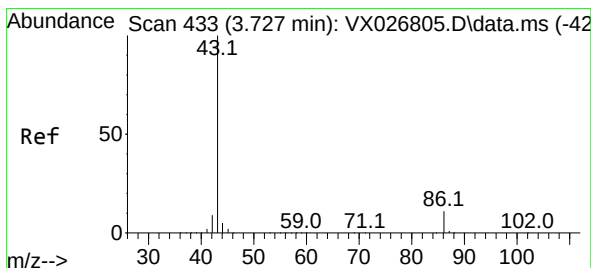
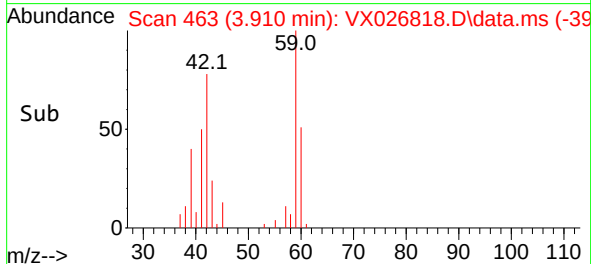
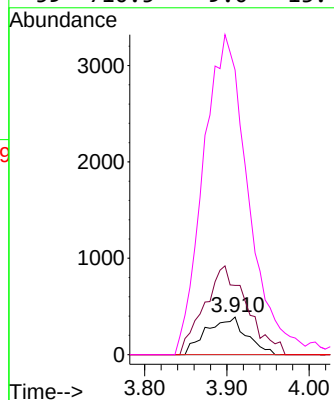


#22
Diisopropyl ether
Concen: 0.277 ug/l
RT: 3.910 min Scan# 410
Delta R.T. 0.146 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Instrument :
MSVOA_X
ClientSampleId :

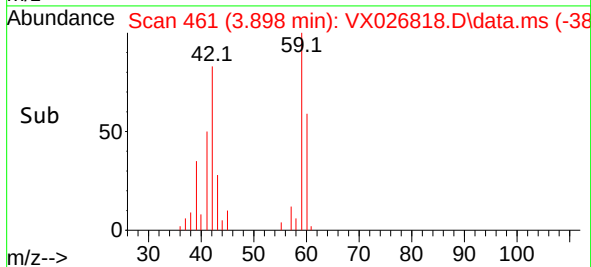
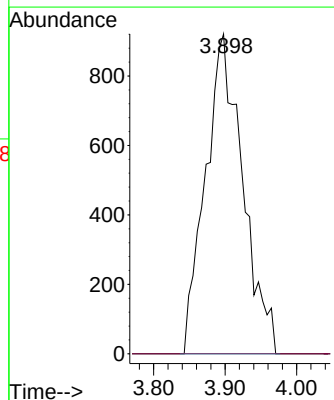
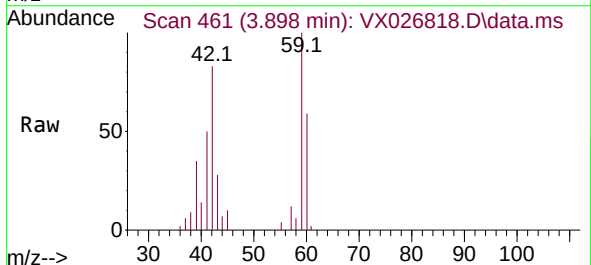


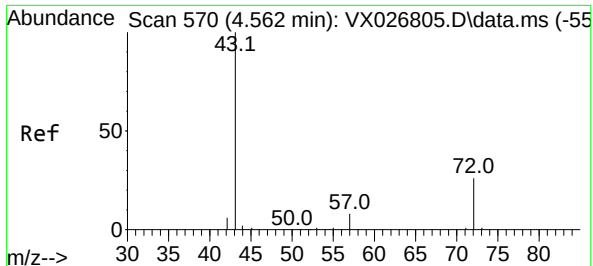
Tgt Ion:	45	Resp:	1313
Ion	Ratio	Lower	Upper
45	100		
43	184.6	60.6	91.0#
87	0.0	22.0	33.0#
59	710.5	9.0	13.4#



#23
Vinyl Acetate
Concen: 0.836 ug/l
RT: 3.898 min Scan# 461
Delta R.T. 0.171 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Tgt Ion:	43	Resp:	3331
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.1	12.1#

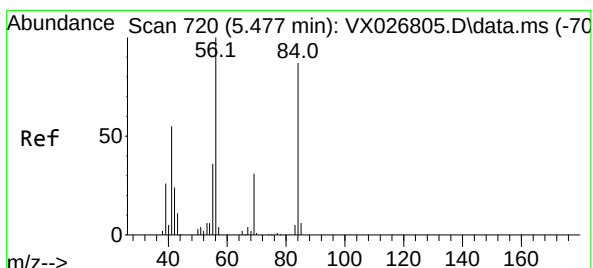
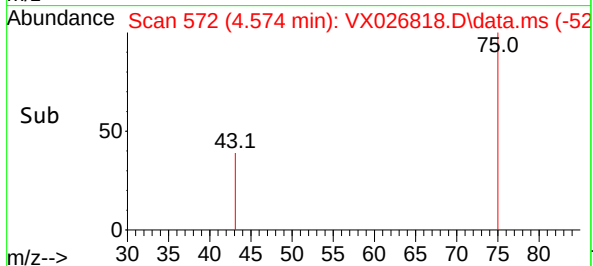
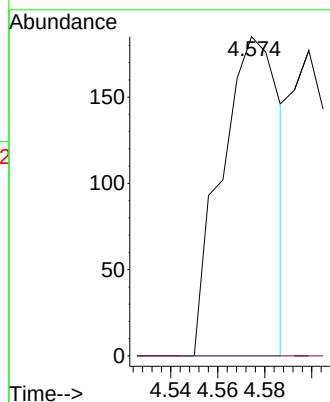
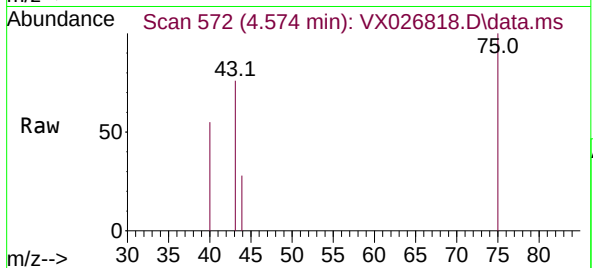




#25
2-Butanone
Concen: 0.286 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

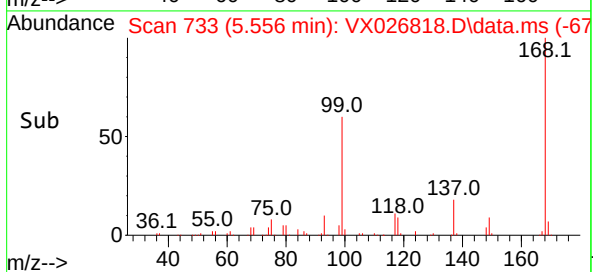
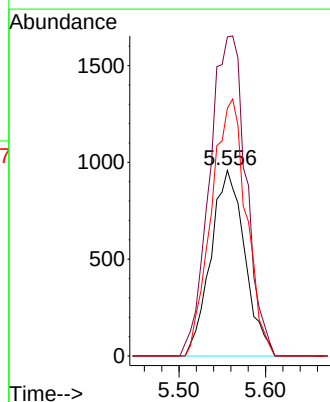
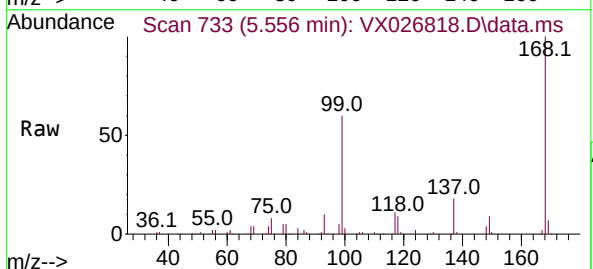
Instrument :
MSVOA_X
ClientSampleId :

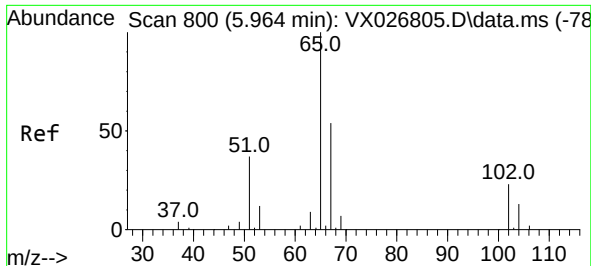
Tgt Ion: 43 Resp: 316
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 1.056 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Tgt Ion: 56 Resp: 2616
Ion Ratio Lower Upper
56 100
69 171.8 25.8 38.6#
84 133.5 68.9 103.3#

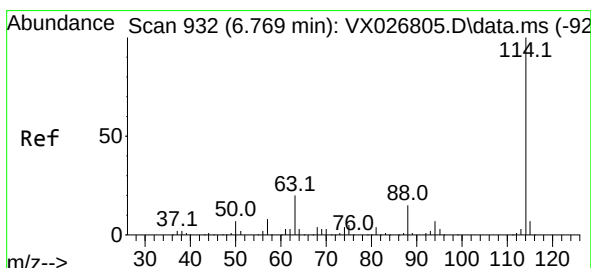
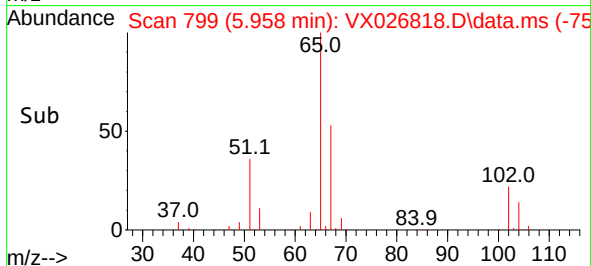
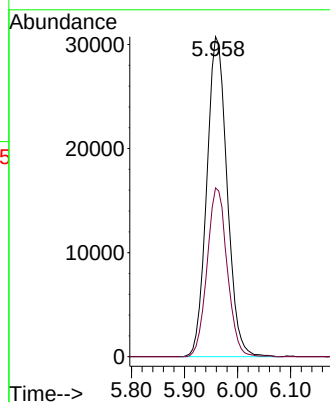
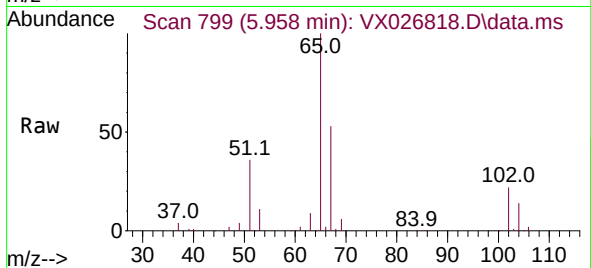




#33
 1,2-Dichloroethane-d4
 Concen: 52.481 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX026818.D
 Acq: 08 Feb 2022 13:41

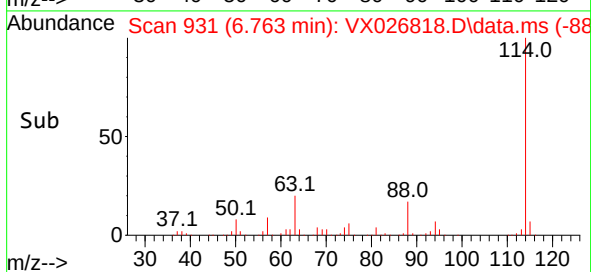
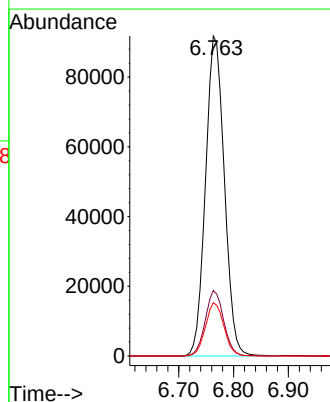
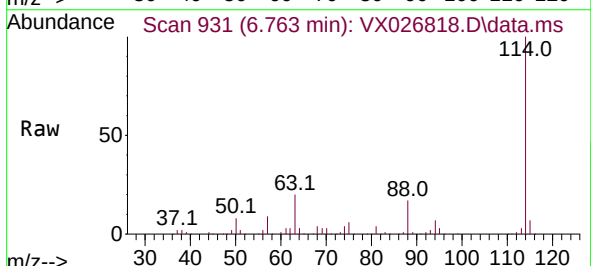
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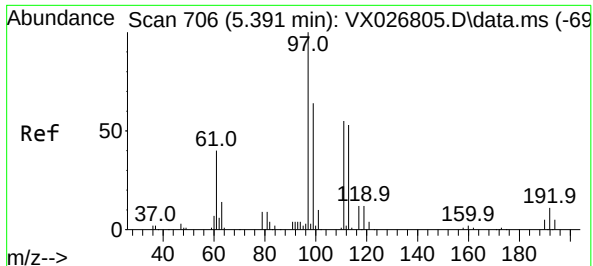
Tgt Ion: 65 Resp: 81831
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX026818.D
 Acq: 08 Feb 2022 13:41

Tgt Ion: 114 Resp: 218636
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.8
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.983 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

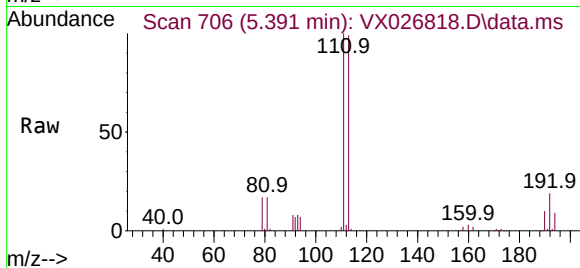
Lab File: VX026818.D

Acq: 08 Feb 2022 13:41

Instrument :

MSVOA_X

ClientSampleId :



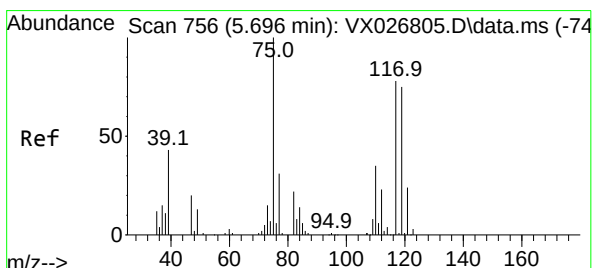
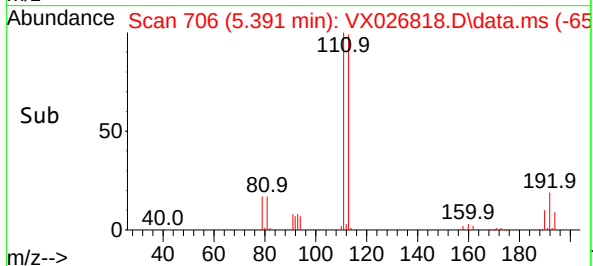
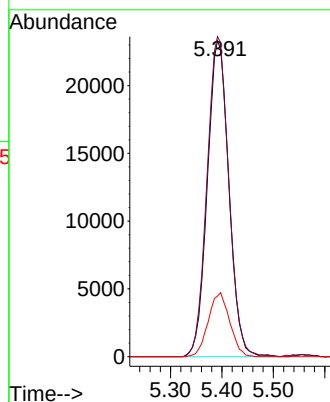
Tgt Ion:113 Resp: 67713

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

192 20.2 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026818.D

Acq: 08 Feb 2022 13:41

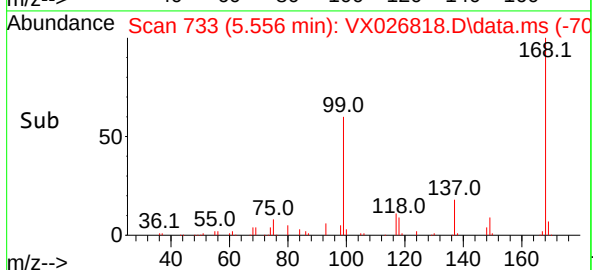
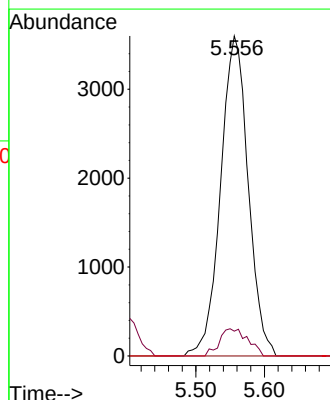
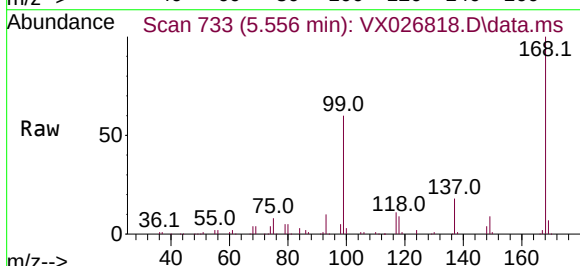
Tgt Ion: 75 Resp: 10056

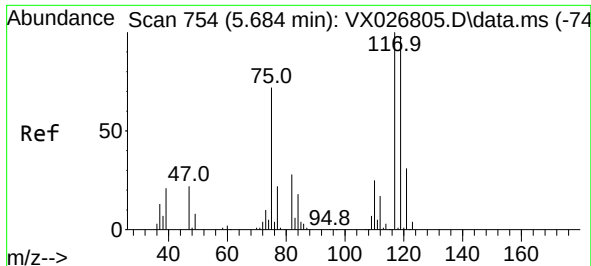
Ion Ratio Lower Upper

75 100

110 8.7 17.2 51.6#

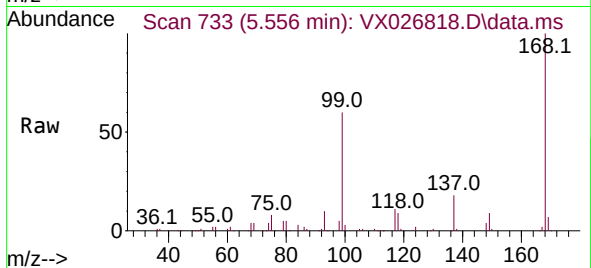
77 0.0 24.6 36.8#



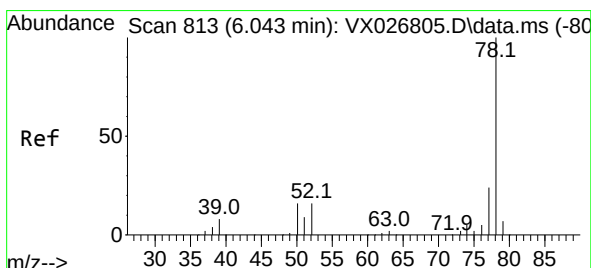
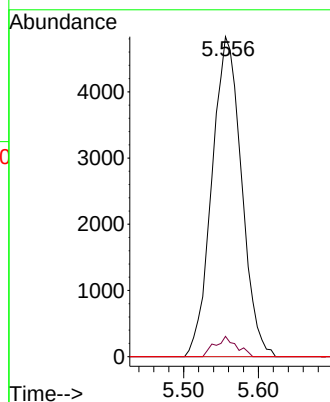
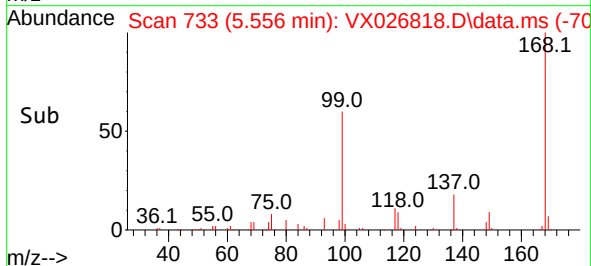


#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Instrument :
MSVOA_X
ClientSampleId :

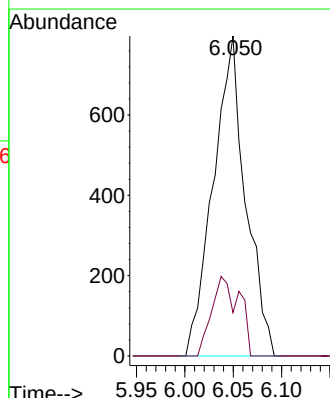
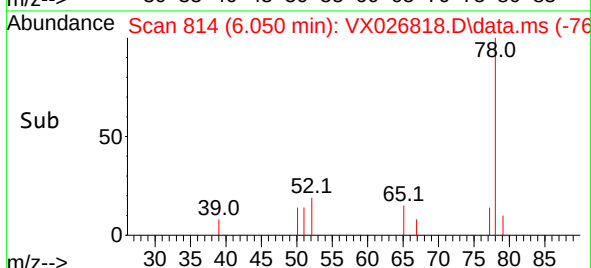
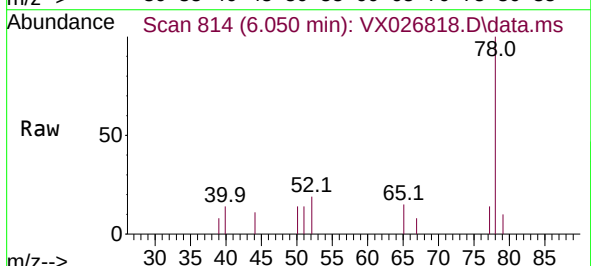


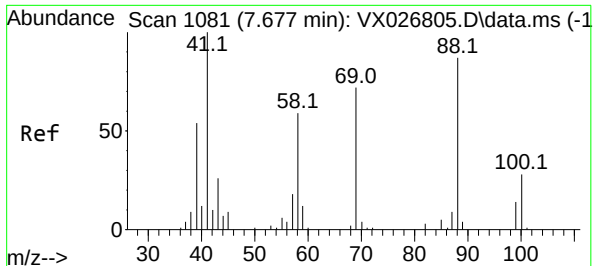
Tgt Ion:117 Resp: 13309
Ion Ratio Lower Upper
117 100
119 6.4 74.7 112.1#
121 0.0 25.4 38.0#



#40
Benzene
Concen: 0.309 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Tgt Ion: 78 Resp: 1850
Ion Ratio Lower Upper
78 100
77 13.6 18.9 28.3#





#49

1,4-Dioxane

Concen: 4.759 ug/l

RT: 7.684 min Scan# 1081

Delta R.T. 0.006 min

Lab File: VX026818.D

Acq: 08 Feb 2022 13:41

Instrument :

MSVOA_X

ClientSampleId :

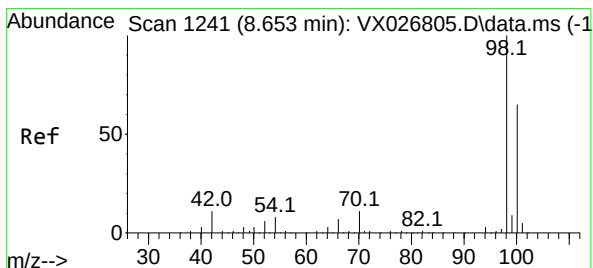
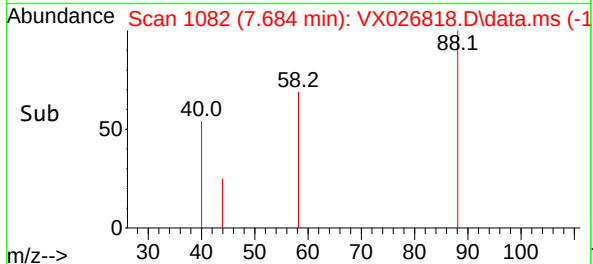
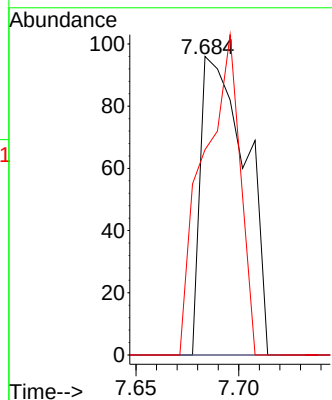
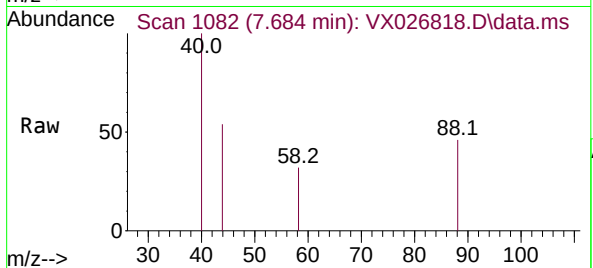
Tgt Ion: 88 Resp: 146

Ion Ratio Lower Upper

88 100

43 0.0 29.9 44.9#

58 87.0 57.8 86.6#



#50

Toluene-d8

Concen: 51.864 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX026818.D

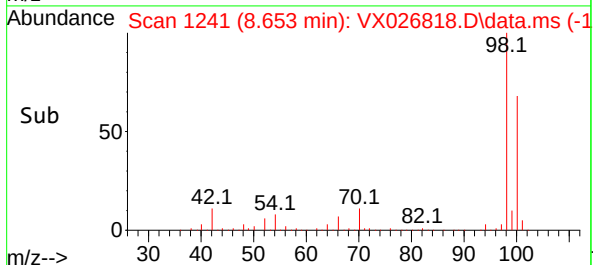
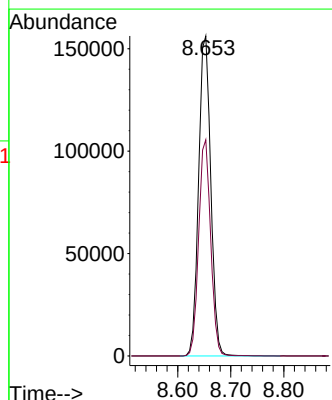
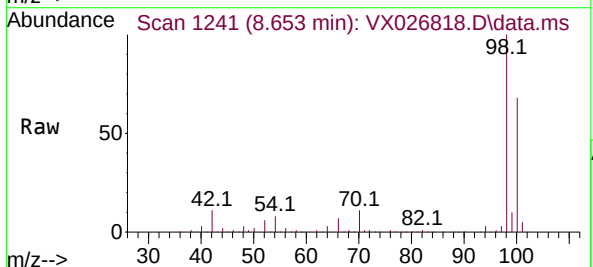
Acq: 08 Feb 2022 13:41

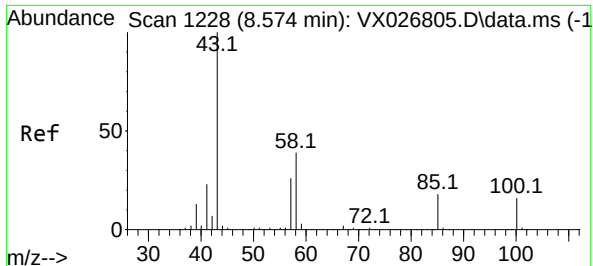
Tgt Ion: 98 Resp: 247983

Ion Ratio Lower Upper

98 100

100 66.5 53.2 79.8

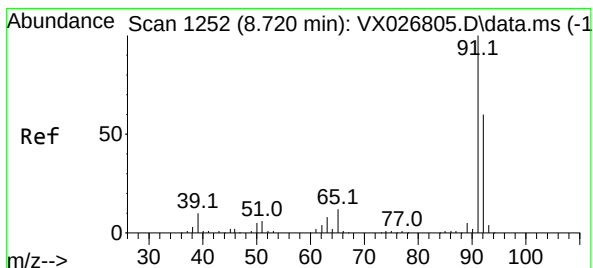
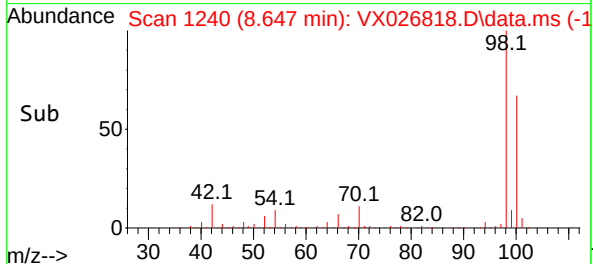
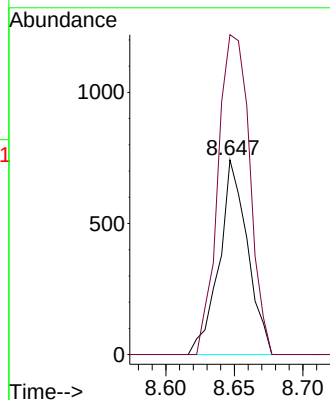
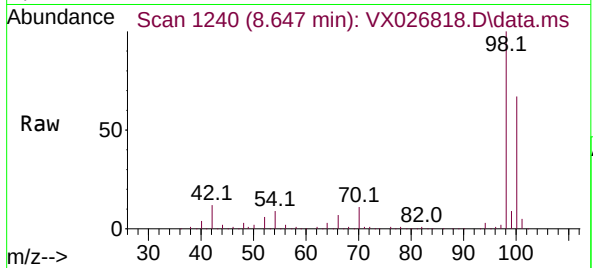




#51
4-Methyl-2-Pentanone
Concen: 0.489 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

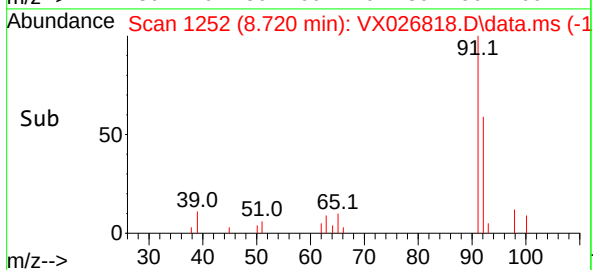
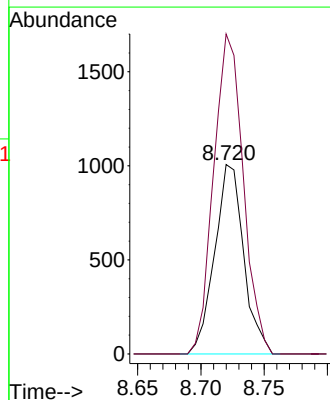
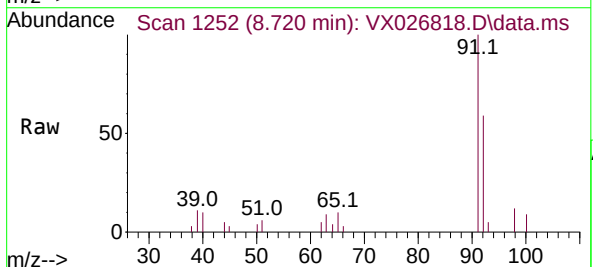
Instrument :
MSVOA_X
ClientSampleId :

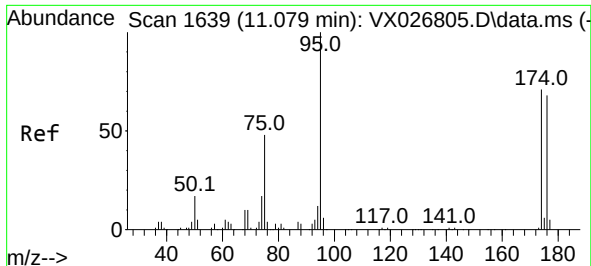
Tgt Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
58 184.9 30.5 45.7#



#52
Toluene
Concen: 0.424 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Tgt Ion: 92 Resp: 1608
Ion Ratio Lower Upper
92 100
91 172.1 135.7 203.5





#62

4-Bromofluorobenzene

Concen: 52.550 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026818.D

Acq: 08 Feb 2022 13:41

Instrument :

MSVOA_X

ClientSampleId :

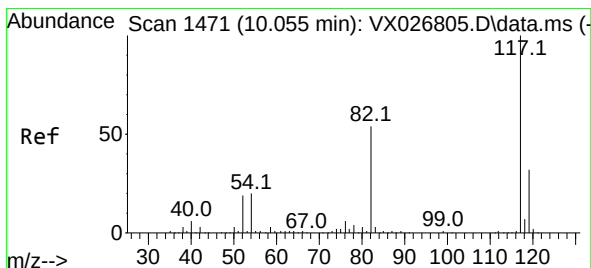
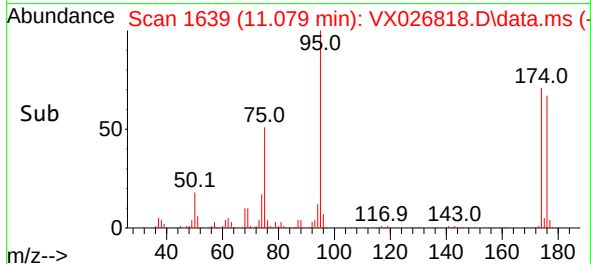
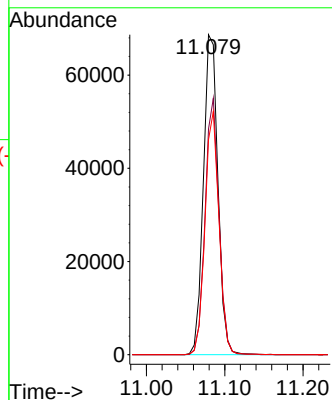
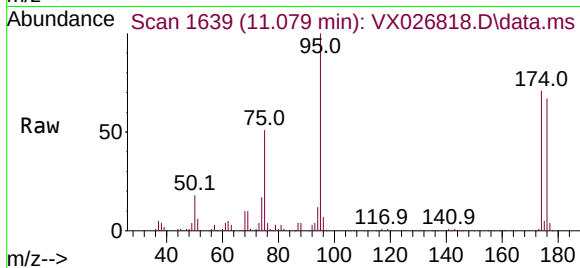
Tgt Ion: 95 Resp: 88462

Ion Ratio Lower Upper

95 100

174 76.5 0.0 148.6

176 73.3 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX026818.D

Acq: 08 Feb 2022 13:41

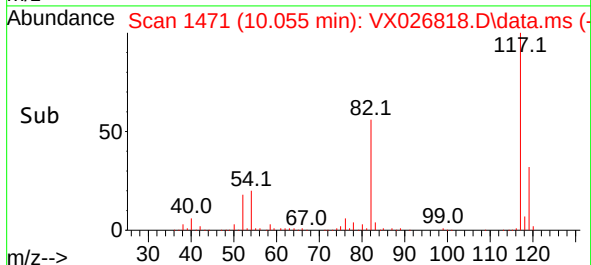
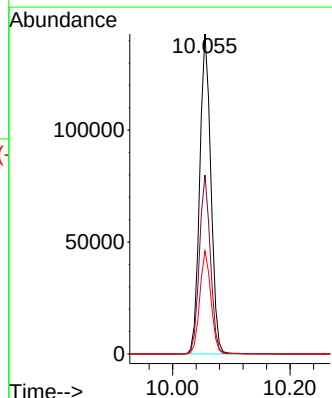
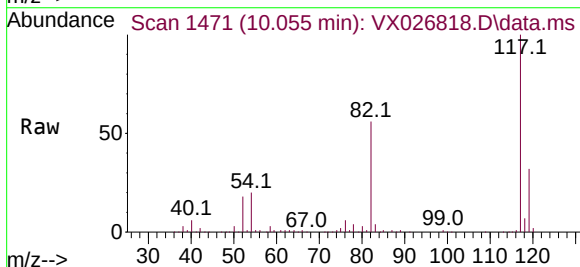
Tgt Ion: 117 Resp: 188025

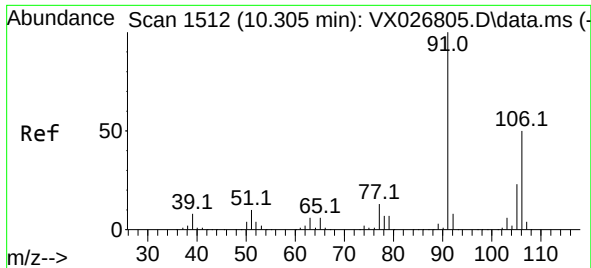
Ion Ratio Lower Upper

117 100

82 55.9 45.2 67.8

119 32.2 26.2 39.2

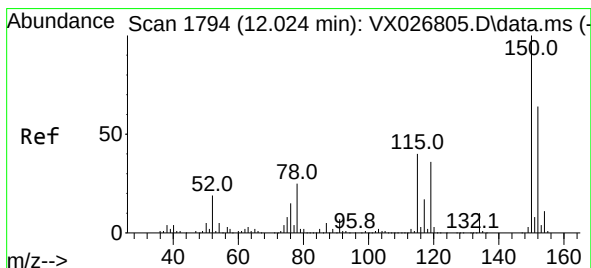
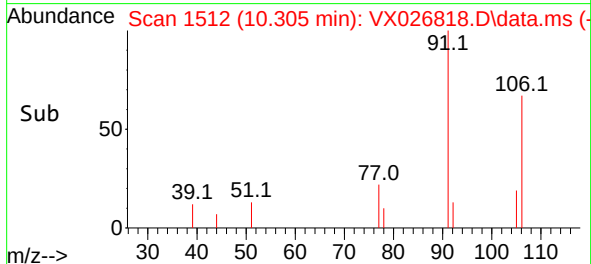
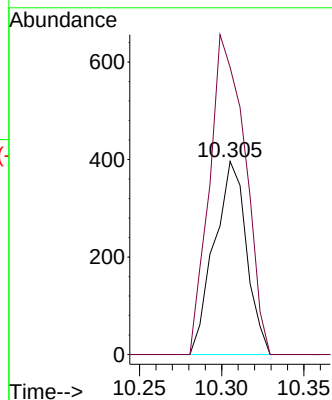
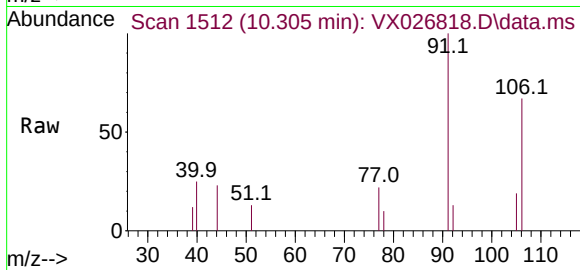




#68
m/p-Xylenes
Concen: 0.204 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

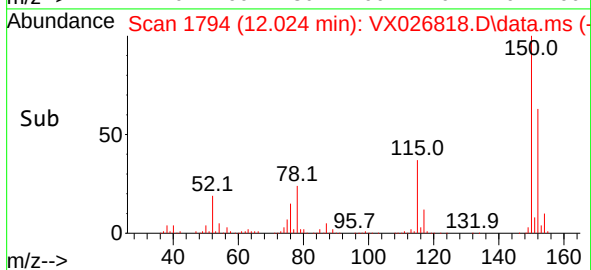
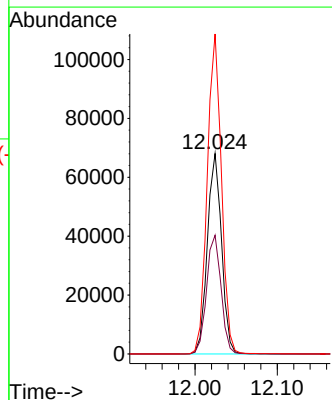
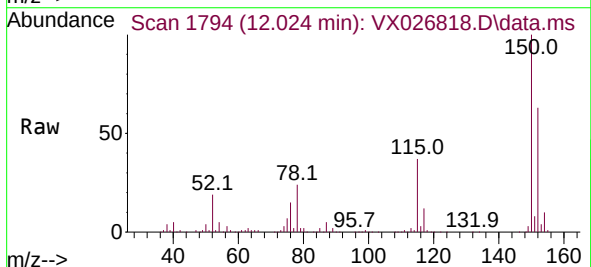
Instrument :
MSVOA_X
ClientSampleId :

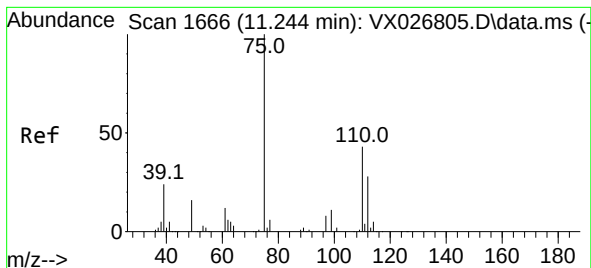
Tgt Ion:106 Resp: 540
Ion Ratio Lower Upper
106 100
91 182.2 165.3 247.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026818.D
Acq: 08 Feb 2022 13:41

Tgt Ion:152 Resp: 81527
Ion Ratio Lower Upper
152 100
115 60.5 44.2 132.6
150 159.6 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 24.320 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.164 min

Lab File: VX026818.D

Acq: 08 Feb 2022 13:41

Instrument :

MSVOA_X

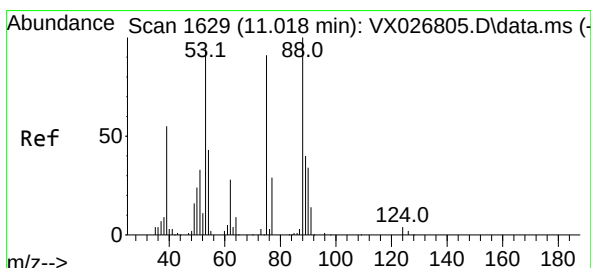
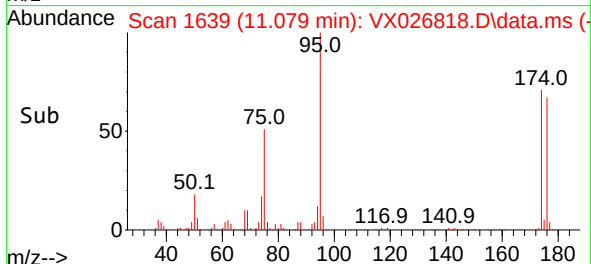
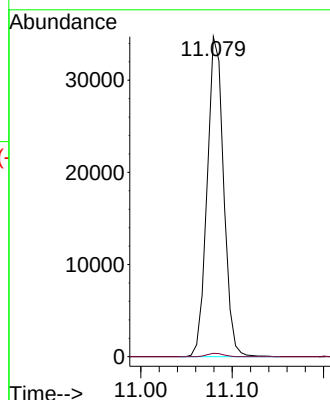
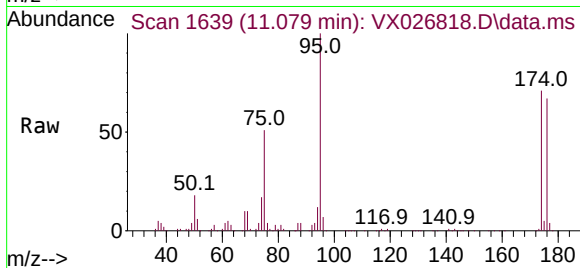
ClientSampleId :

Tgt Ion: 75 Resp: 43403

Ion Ratio Lower Upper

75 100

77 1.0 18.3 54.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.274 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX026818.D

Acq: 08 Feb 2022 13:41

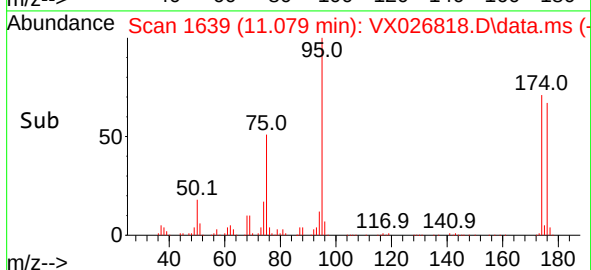
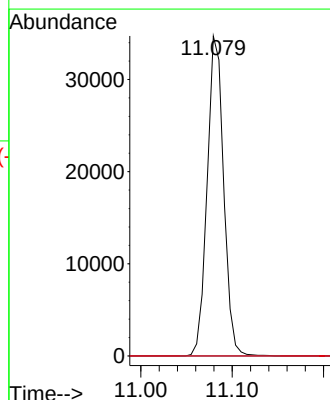
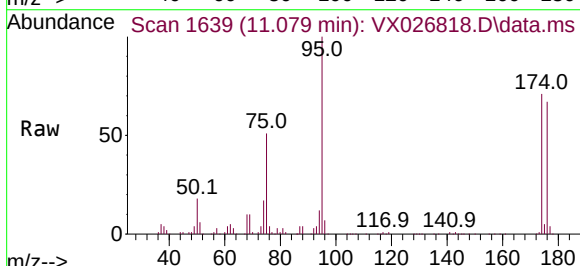
Tgt Ion: 75 Resp: 43403

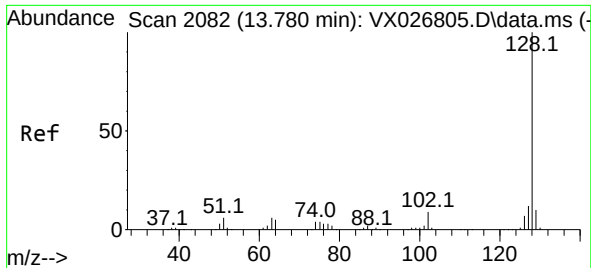
Ion Ratio Lower Upper

75 100

53 0.0 94.0 141.0#

89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 0.200 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

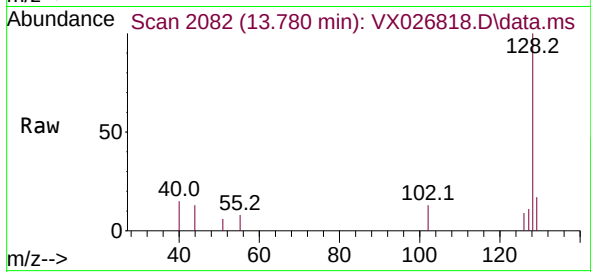
Lab File: VX026818.D

Acq: 08 Feb 2022 13:41

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 1195

Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

129 14.3 8.7 13.1#

