

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082223\
 Data File : VX037165.D
 Acq On : 22 Aug 2023 20:27
 Operator : JC/MD
 Sample : 04051-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 23 01:48:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	38067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	79431	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	83996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41415	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47796	87.091	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 174.180%#	
35) Dibromofluoromethane	5.391	113	33025	62.779	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 125.560%#	
50) Toluene-d8	8.653	98	100560	52.699	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.400%	
62) 4-Bromofluorobenzene	11.079	95	44666	59.563	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.120%	

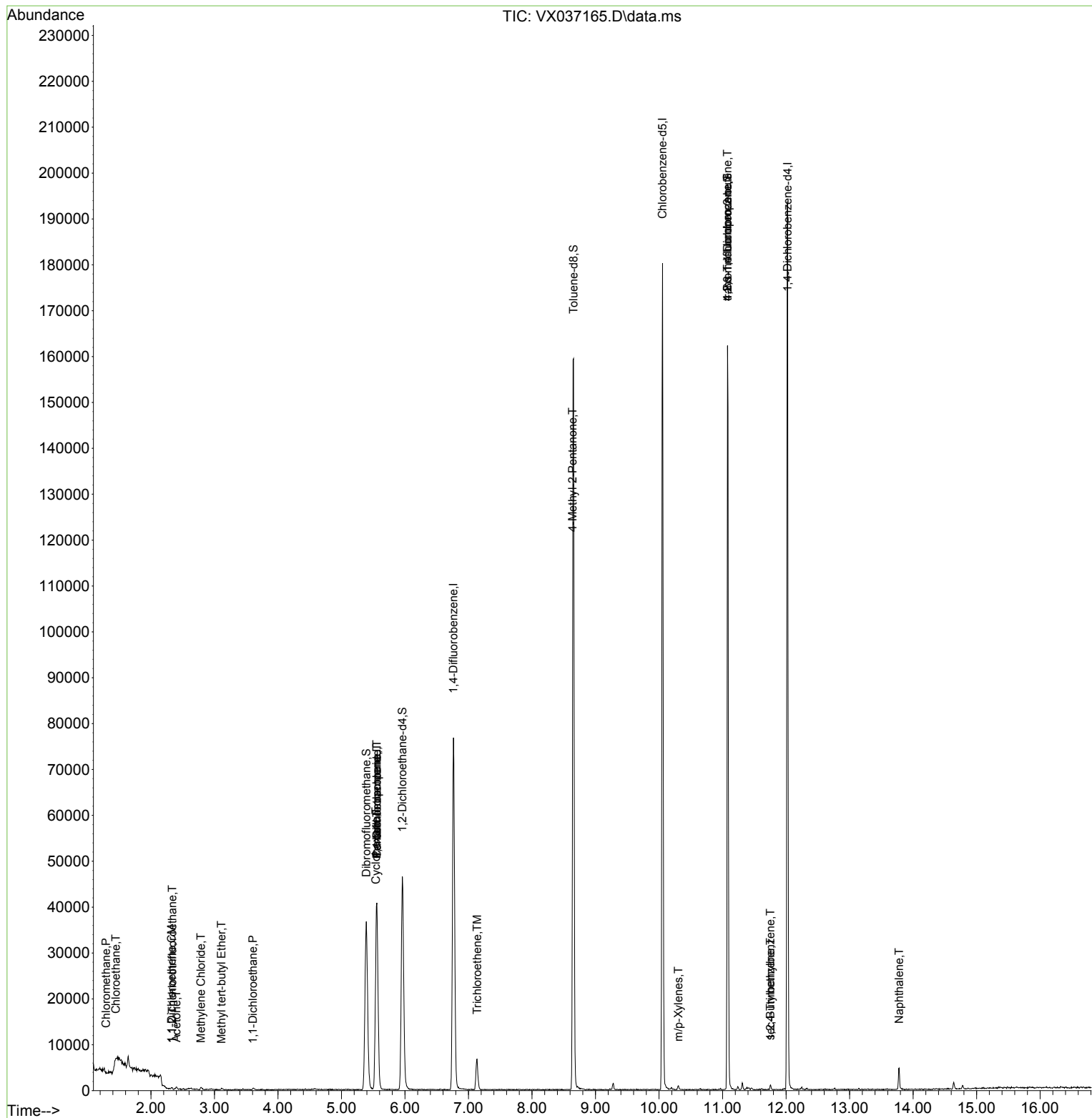
Target Compounds				Qvalue		
3) Chloromethane	1.294	50	118	0.305	ug/l #	43
6) Chloroethane	1.447	64	5975	24.113	ug/l #	55
9) 1,1,2-Trichlorotrifluo...	2.337	101	155	0.385	ug/l #	44
12) 1,1-Dichloroethene	2.325	96	90	0.230	ug/l #	52
16) Acetone	2.398	43	659	3.069	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	404	0.272	ug/l #	89
20) Methylene Chloride	2.788	84	297	0.619	ug/l #	68
24) 1,1-Dichloroethane	3.605	63	582	0.746	ug/l #	83
31) Cyclohexane	5.544	56	728	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	3074	4.113	ug/l #	51
38) Carbon Tetrachloride	5.556	117	4133	5.091	ug/l #	15
44) Trichloroethene	7.135	130	2820	4.640	ug/l	86
51) 4-Methyl-2-Pentanone	8.641	43	409	0.556	ug/l #	1
68) m/p-Xylenes	10.305	106	279	0.231	ug/l	79
76) 1,2,3-Trichloropropane	11.079	75	23301	26.418	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23301	73.788	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	726	0.286	ug/l	93
85) sec-Butylbenzene	11.756	105	726	0.260	ug/l #	57
95) Naphthalene	13.780	128	3871	1.121	ug/l	99

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

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QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

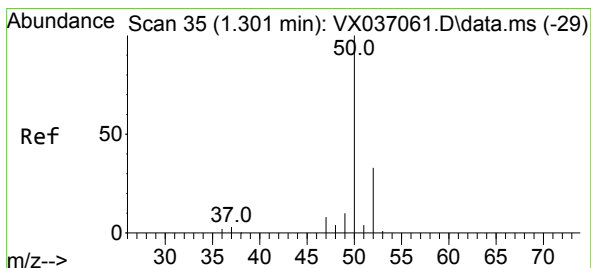
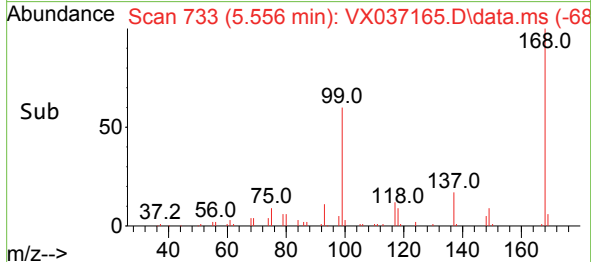
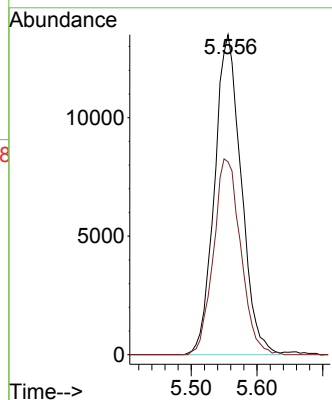
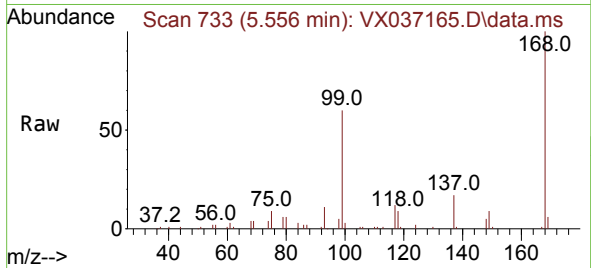




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

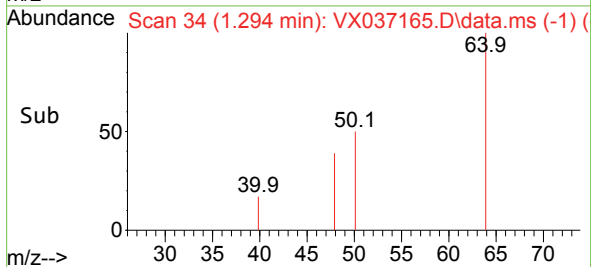
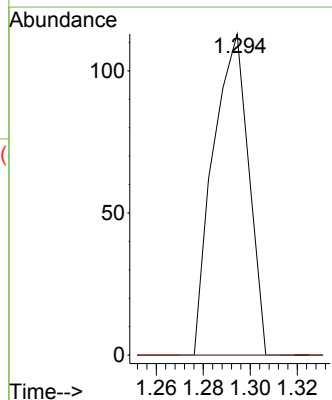
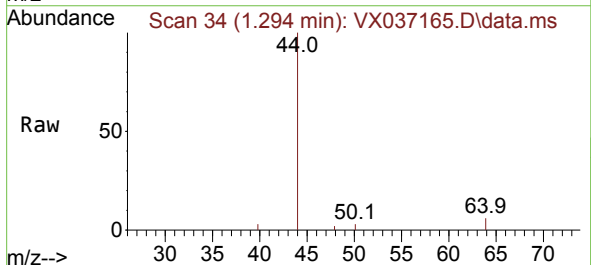
Instrument :
MSVOA_X
ClientSampleId :

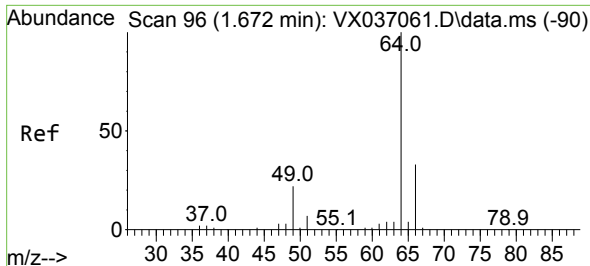
Tgt Ion:168 Resp: 38067
Ion Ratio Lower Upper
168 100
99 60.3 56.6 85.0



#3
Chloromethane
Concen: 0.305 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

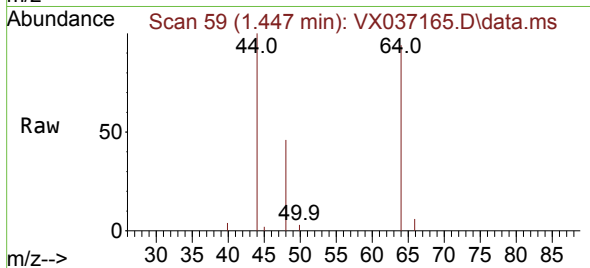
Tgt Ion: 50 Resp: 118
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



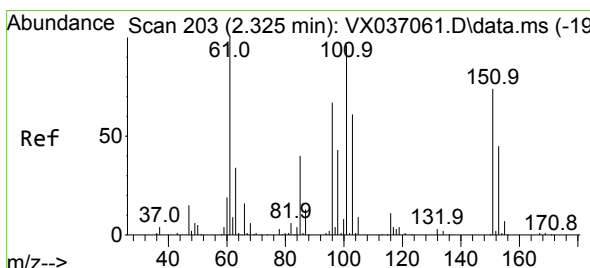
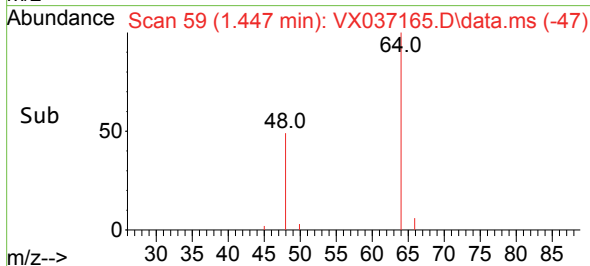
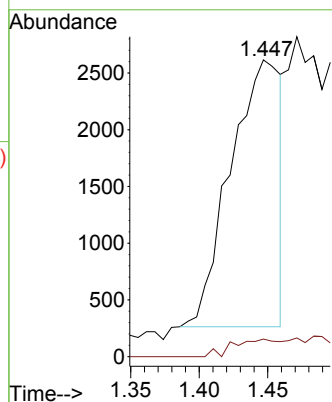


#6
Chloroethane
Concen: 24.113 ug/l
RT: 1.447 min Scan# 59
Delta R.T. -0.225 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Instrument :
MSVOA_X
ClientSampleId :

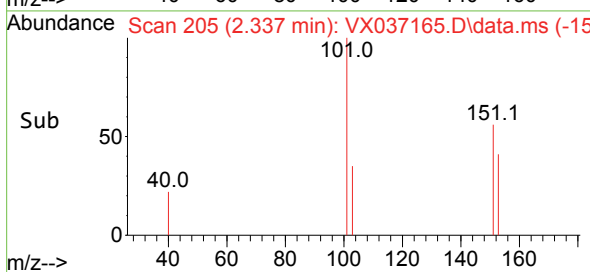
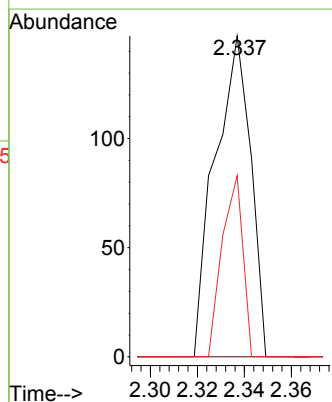
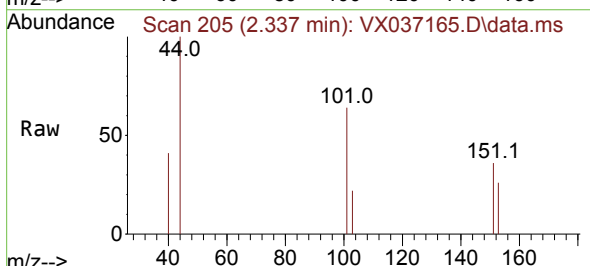


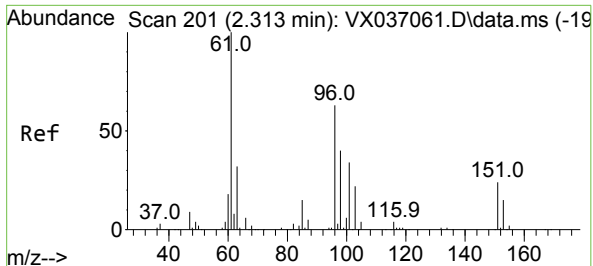
Tgt Ion: 64 Resp: 5975
Ion Ratio Lower Upper
64 100
66 6.6 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.385 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.012 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Tgt Ion: 101 Resp: 155
Ion Ratio Lower Upper
101 100
85 0.0 37.0 55.6#
151 32.9 58.6 87.8#





#12

1,1-Dichloroethene

Concen: 0.230 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.012 min

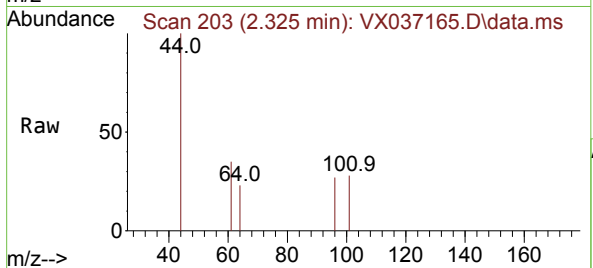
Lab File: VX037165.D

Acq: 22 Aug 2023 20:27

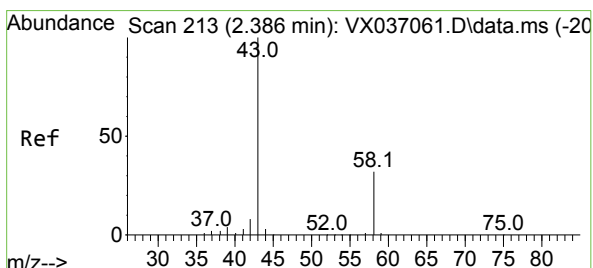
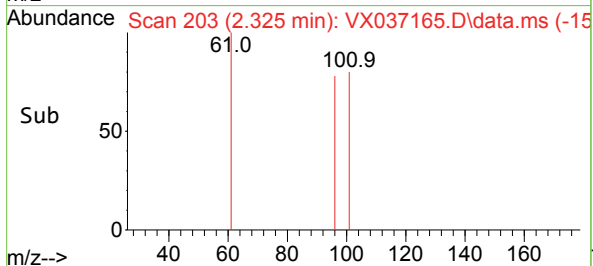
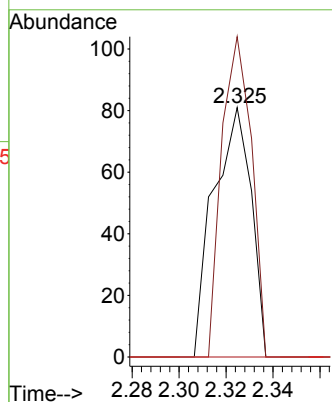
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 96	Resp:	90
Ion	Ratio	Lower Upper
96	100	
61	128.4	144.6 216.8#
98	0.0	50.4 75.6#



#16

Acetone

Concen: 3.069 ug/l

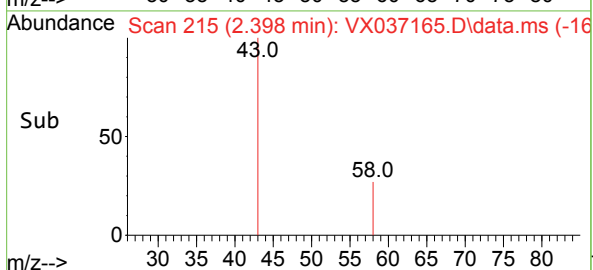
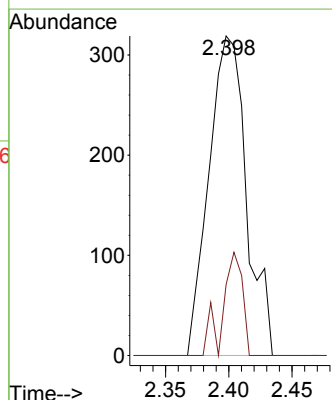
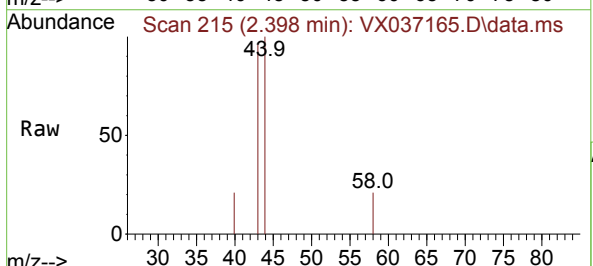
RT: 2.398 min Scan# 215

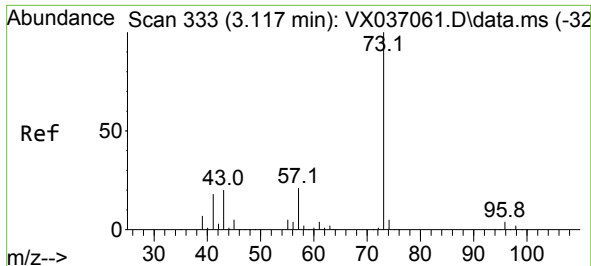
Delta R.T. 0.012 min

Lab File: VX037165.D

Acq: 22 Aug 2023 20:27

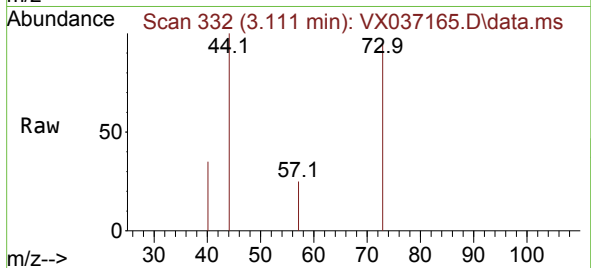
Tgt Ion: 43	Resp:	659
Ion	Ratio	Lower Upper
43	100	
58	22.3	21.9 32.9



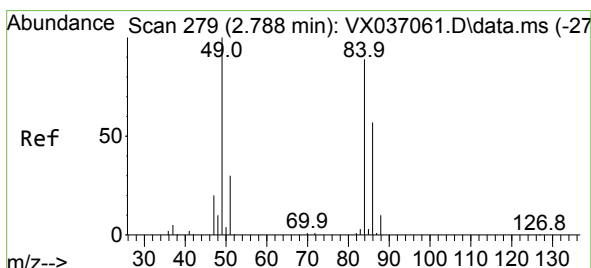
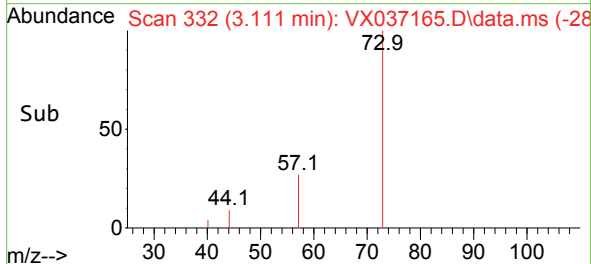
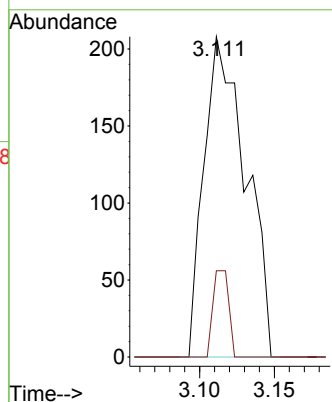


#19
Methyl tert-butyl Ether
Concen: 0.272 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Instrument :
MSVOA_X
ClientSampleId :

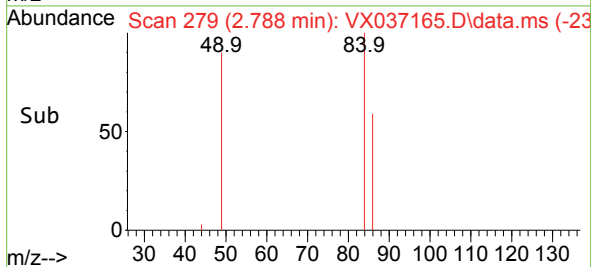
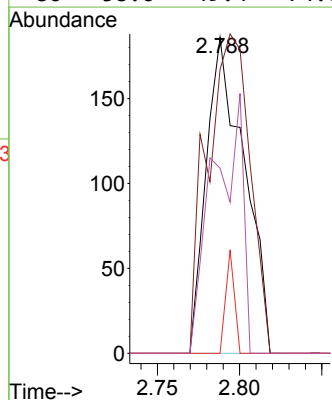
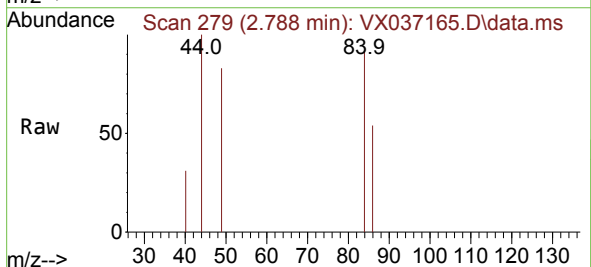


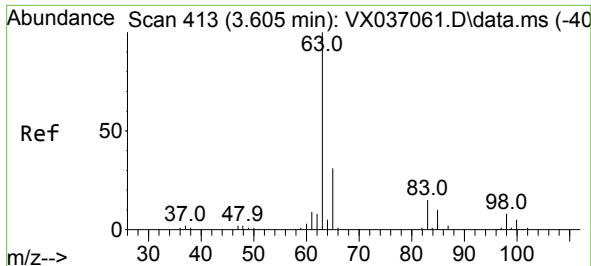
Tgt Ion: 73 Resp: 404
Ion Ratio Lower Upper
73 100
57 26.9 17.3 25.9#



#20
Methylene Chloride
Concen: 0.619 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

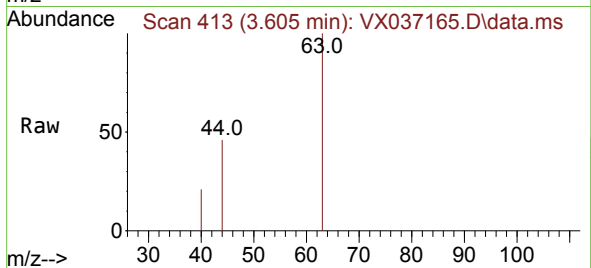
Tgt Ion: 84 Resp: 297
Ion Ratio Lower Upper
84 100
49 89.8 103.6 155.4#
51 0.0 33.8 50.6#
86 58.6 49.4 74.0



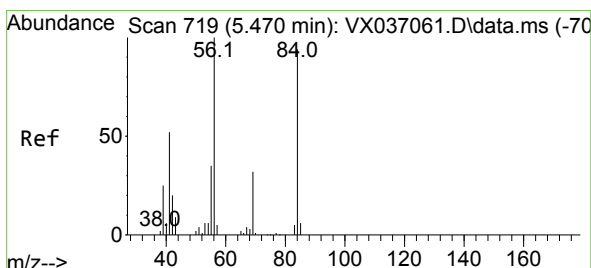
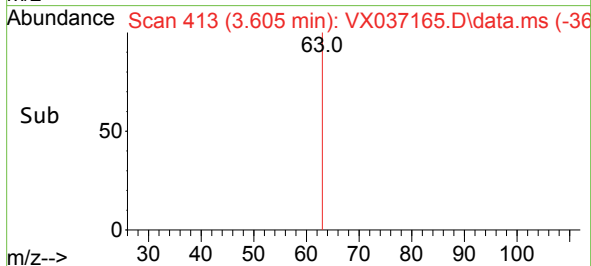
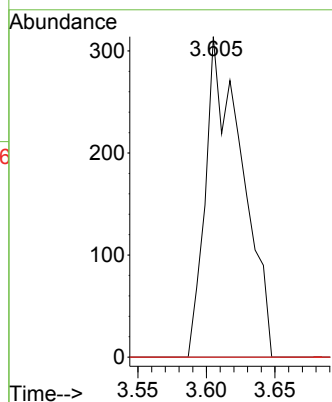


#24
1,1-Dichloroethane
Concen: 0.746 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Instrument :
MSVOA_X
ClientSampleId :

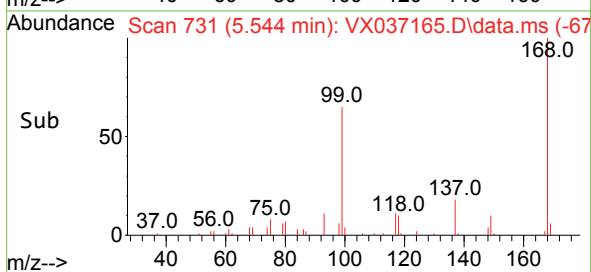
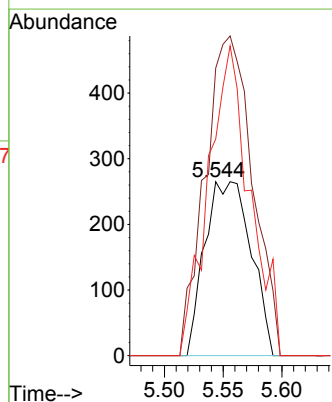
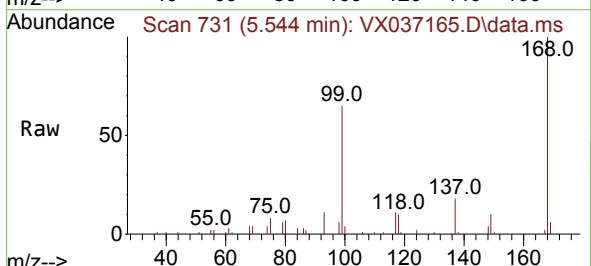


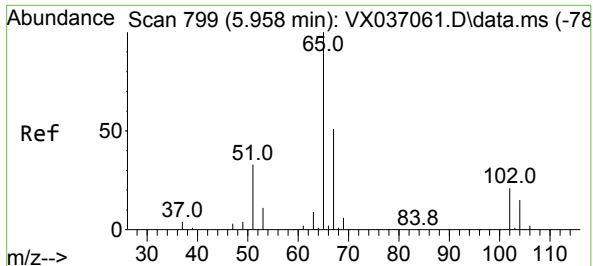
Tgt Ion: 63 Resp: 582
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#31
Cyclohexane
Concen: 1.180 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Tgt Ion: 56 Resp: 728
Ion Ratio Lower Upper
56 100
69 165.3 23.4 35.2#
84 124.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 87.091 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037165.D

Acq: 22 Aug 2023 20:27

Instrument :

MSVOA_X

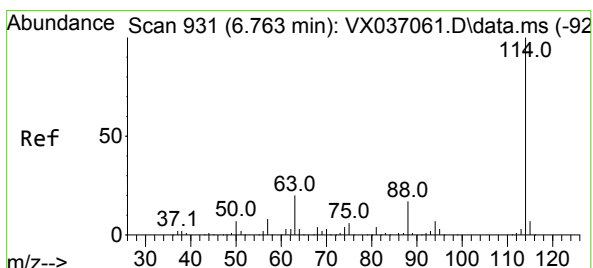
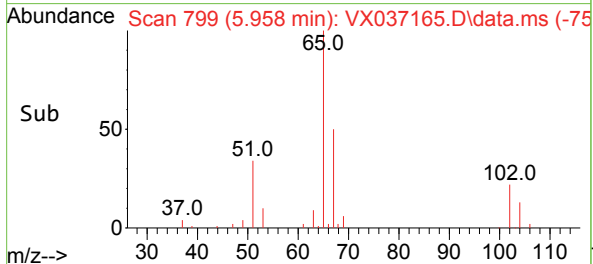
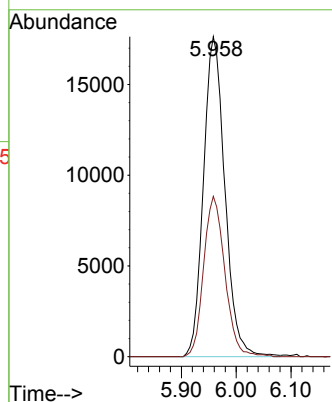
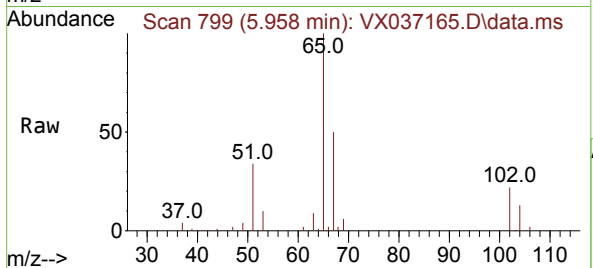
ClientSampleId :

Tgt Ion: 65 Resp: 47796

Ion Ratio Lower Upper

65 100

67 49.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037165.D

Acq: 22 Aug 2023 20:27

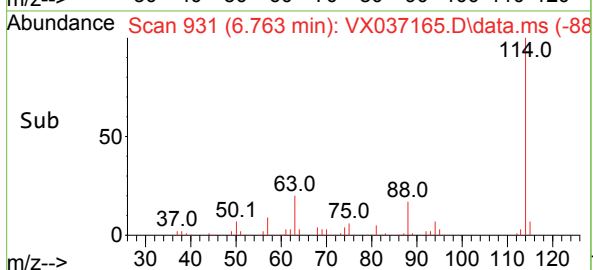
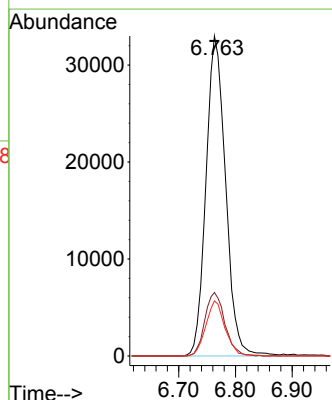
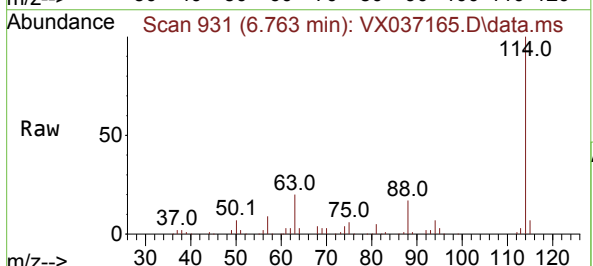
Tgt Ion: 114 Resp: 79431

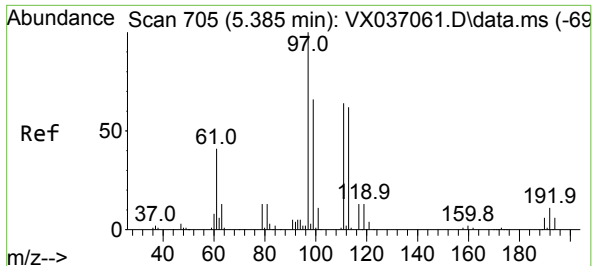
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

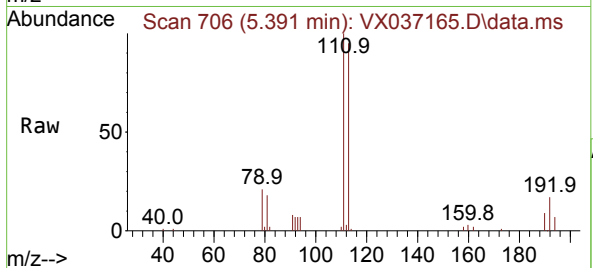
88 17.2 0.0 36.6



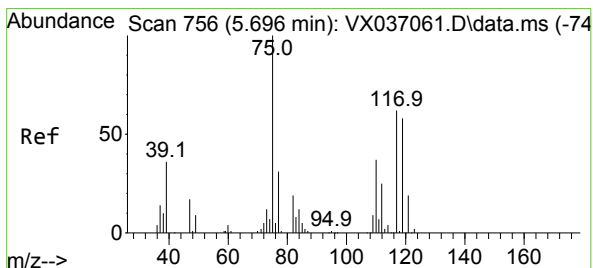
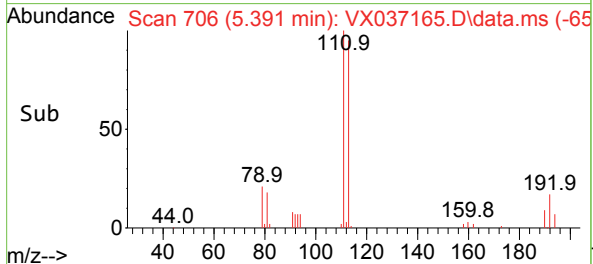
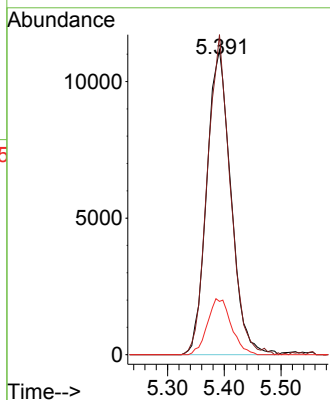


#35
Dibromofluoromethane
Concen: 62.779 ug/l
RT: 5.391 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Instrument :
MSVOA_X
ClientSampleId :

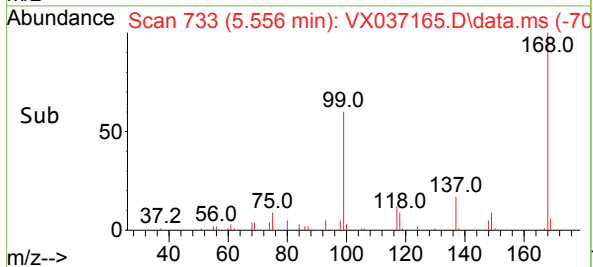
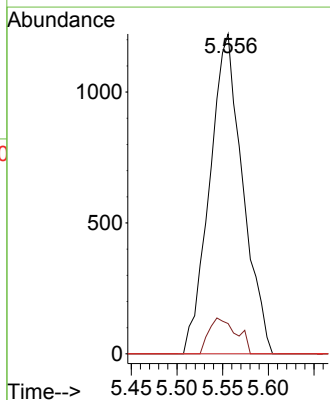
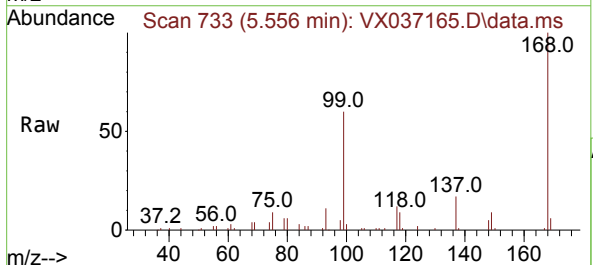


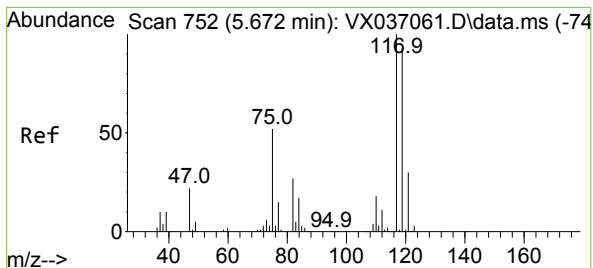
Tgt Ion:113 Resp: 33025
Ion Ratio Lower Upper
113 100
111 99.7 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.113 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Tgt Ion: 75 Resp: 3074
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.091 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.116 min

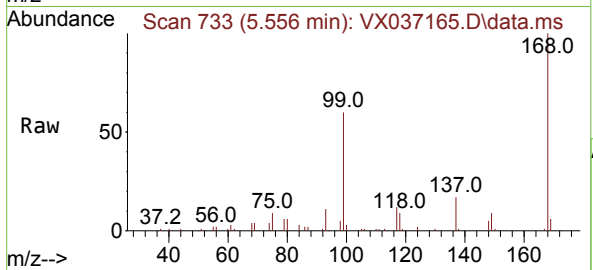
Lab File: VX037165.D

Acq: 22 Aug 2023 20:27

Instrument :

MSVOA_X

ClientSampleId :



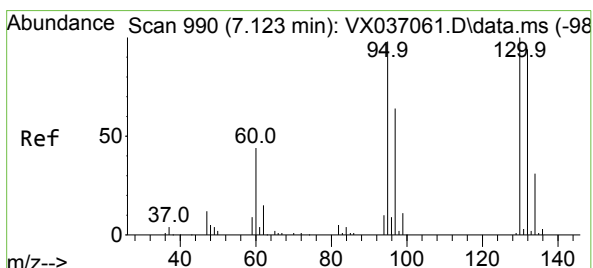
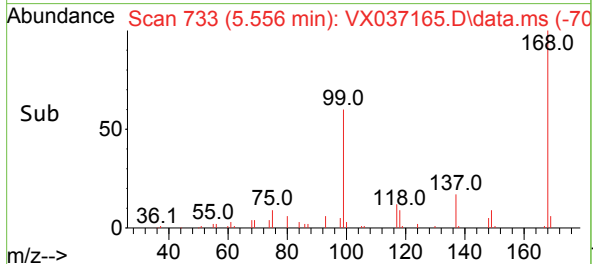
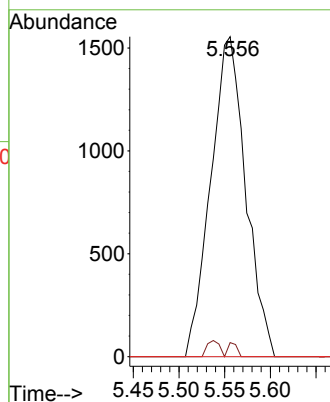
Tgt Ion:117 Resp: 4133

Ion Ratio Lower Upper

117 100

119 4.4 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 4.640 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.012 min

Lab File: VX037165.D

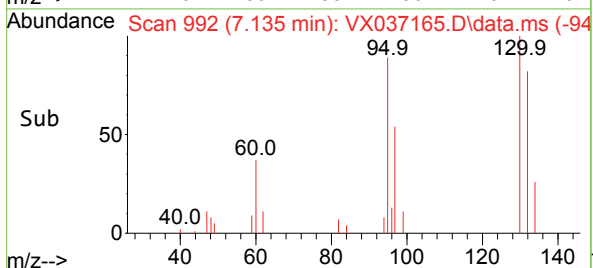
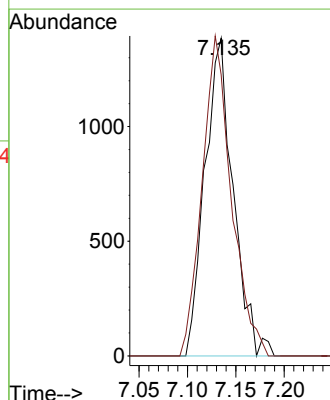
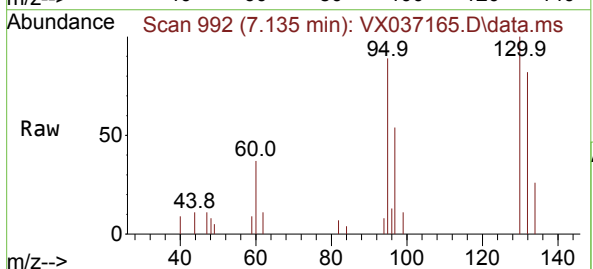
Acq: 22 Aug 2023 20:27

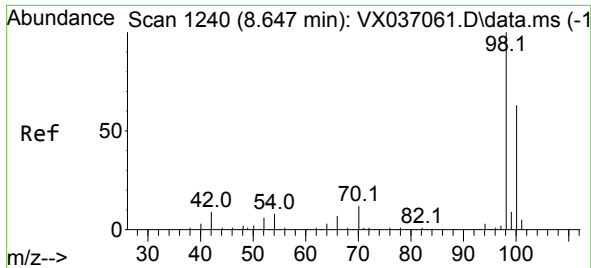
Tgt Ion:130 Resp: 2820

Ion Ratio Lower Upper

130 100

95 88.5 0.0 204.4

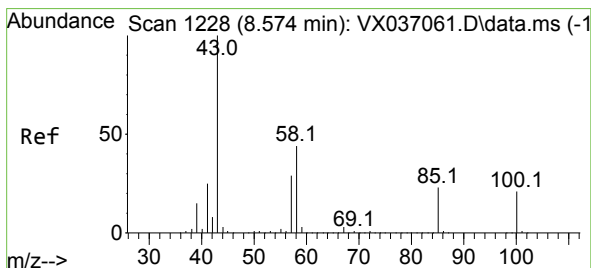
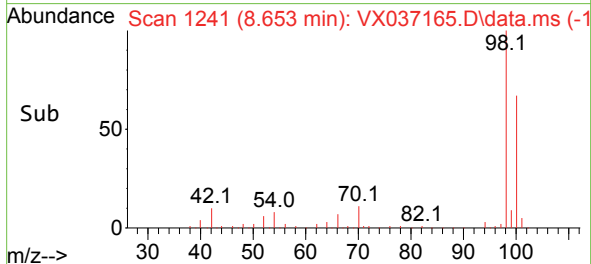
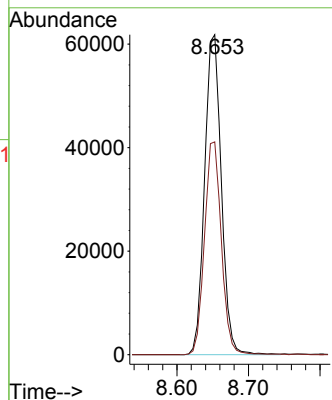
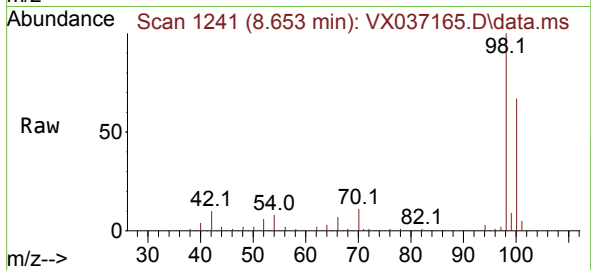




#50
Toluene-d8
Concen: 52.699 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

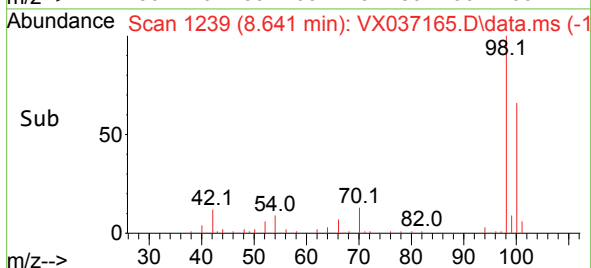
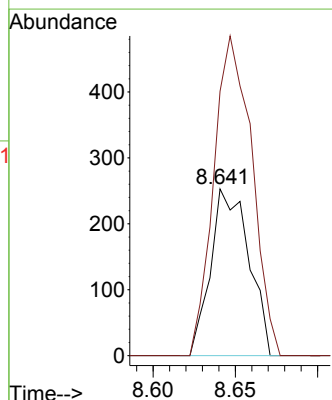
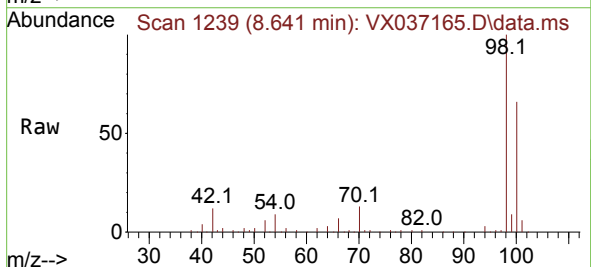
Instrument :
MSVOA_X
ClientSampleId :

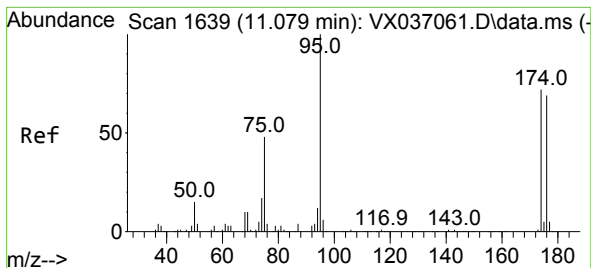
Tgt Ion: 98 Resp: 100560
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Tgt Ion: 43 Resp: 409
Ion Ratio Lower Upper
43 100
58 191.0 30.4 45.6#

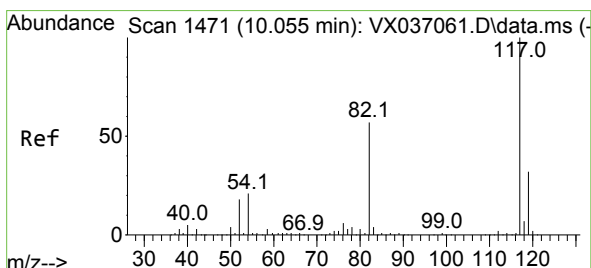
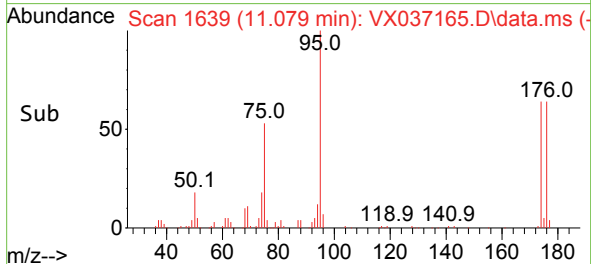
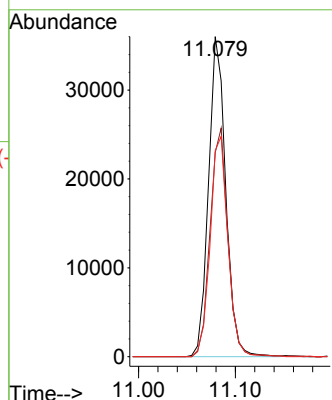
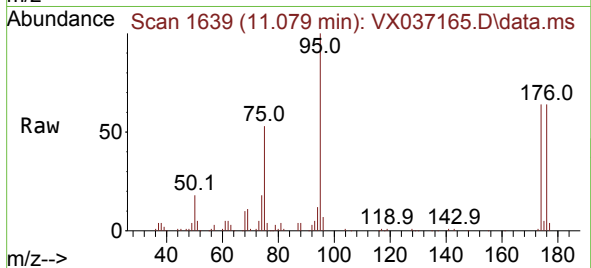




#62
4-Bromofluorobenzene
Concen: 59.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

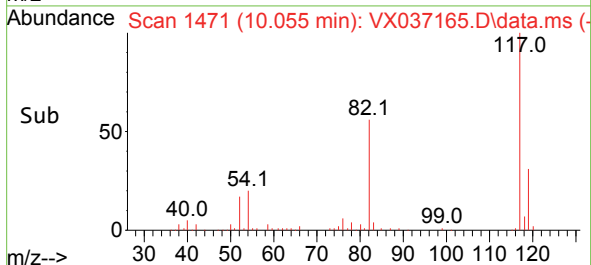
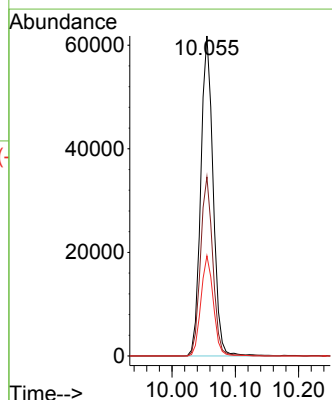
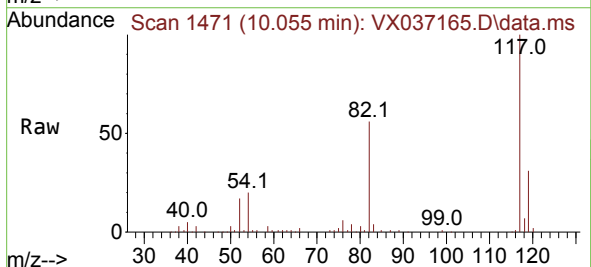
Instrument :
MSVOA_X
ClientSampleId :

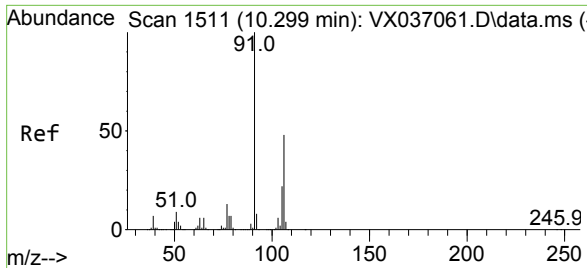
Tgt Ion: 95 Resp: 44666
Ion Ratio Lower Upper
95 100
174 73.3 0.0 135.6
176 70.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Tgt Ion: 117 Resp: 83996
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 31.3 25.5 38.3

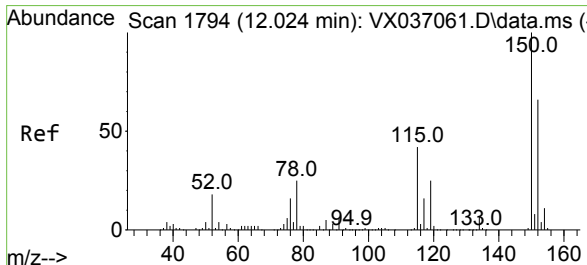
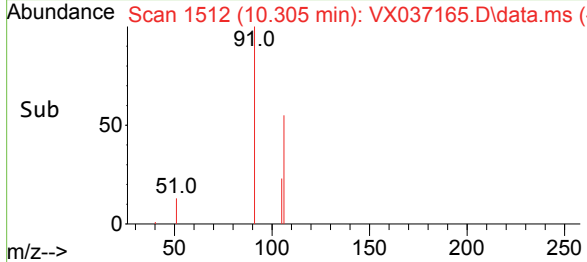
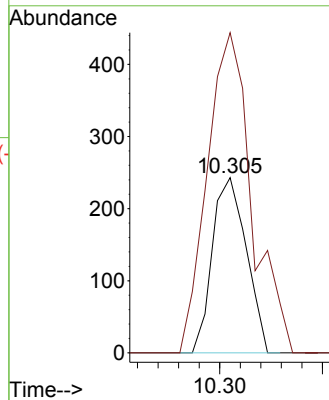
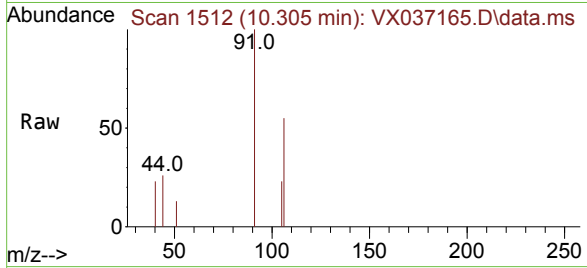




#68
m/p-Xylenes
Concen: 0.231 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

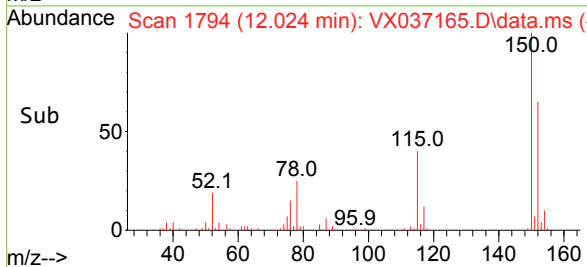
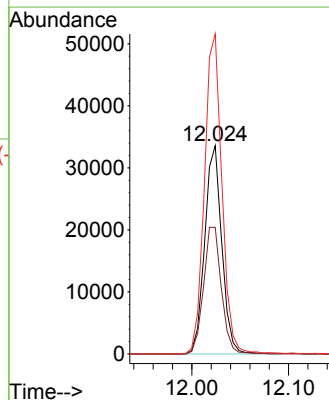
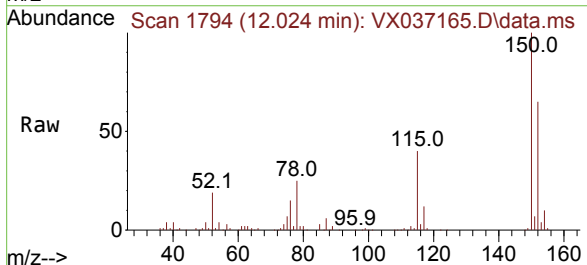
Instrument :
MSVOA_X
ClientSampleId :

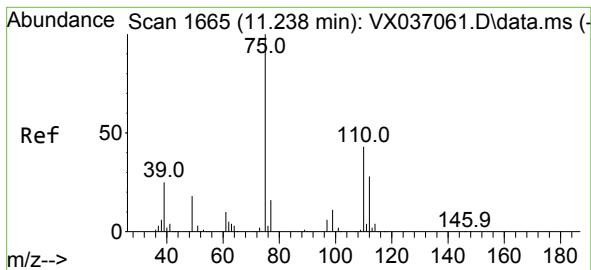
Tgt Ion:106 Resp: 279
Ion Ratio Lower Upper
106 100
91 239.8 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037165.D
Acq: 22 Aug 2023 20:27

Tgt Ion:152 Resp: 41415
Ion Ratio Lower Upper
152 100
115 63.4 43.3 129.9
150 156.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.418 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037165.D

Acq: 22 Aug 2023 20:27

Instrument :

MSVOA_X

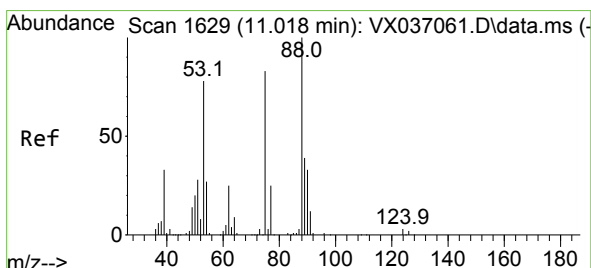
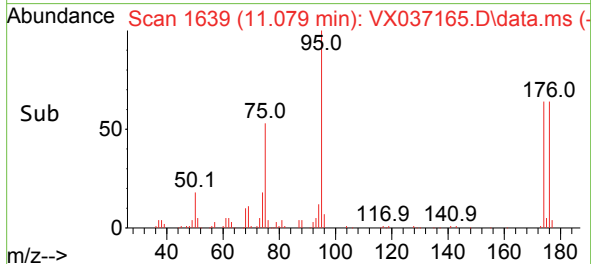
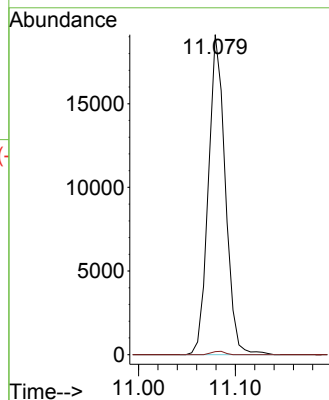
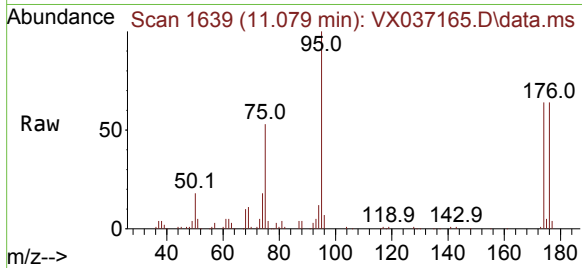
ClientSampleId :

Tgt Ion: 75 Resp: 23301

Ion Ratio Lower Upper

75 100

77 0.8 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.788 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037165.D

Acq: 22 Aug 2023 20:27

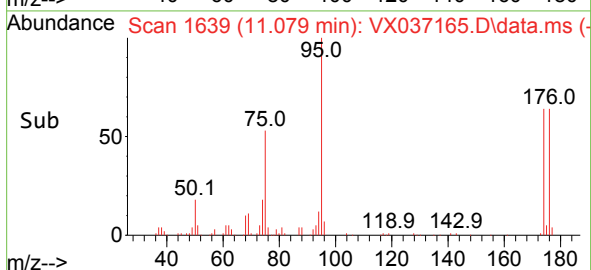
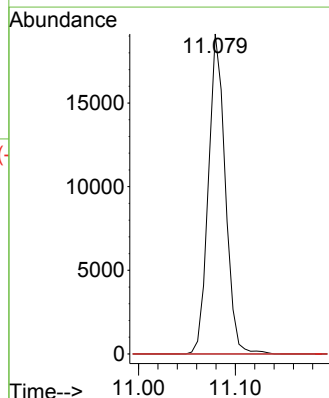
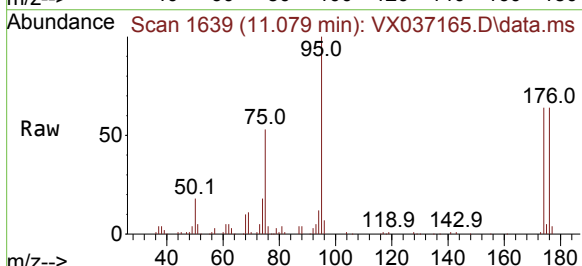
Tgt Ion: 75 Resp: 23301

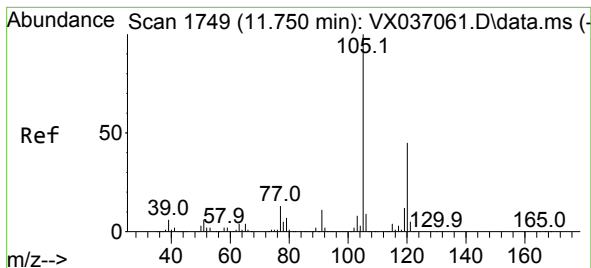
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.286 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX037165.D

Acq: 22 Aug 2023 20:27

Instrument :

MSVOA_X

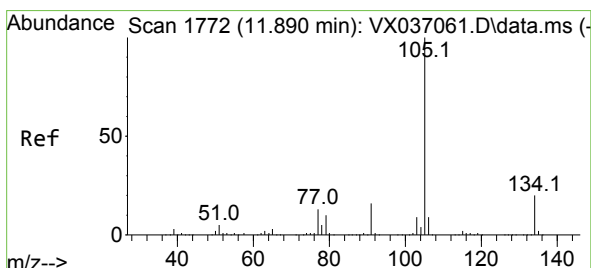
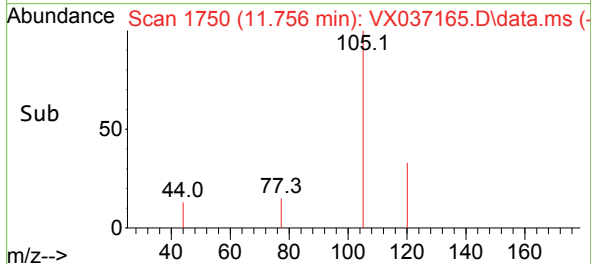
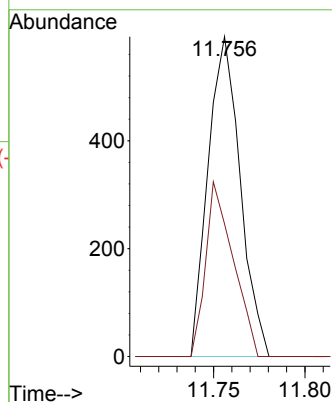
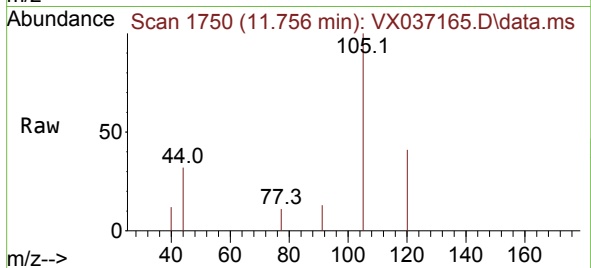
ClientSampleId :

Tgt Ion:105 Resp: 726

Ion Ratio Lower Upper

105 100

120 46.8 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.260 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.134 min

Lab File: VX037165.D

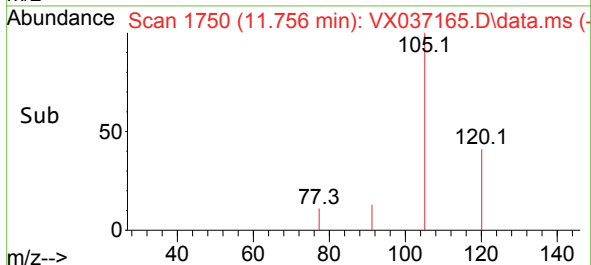
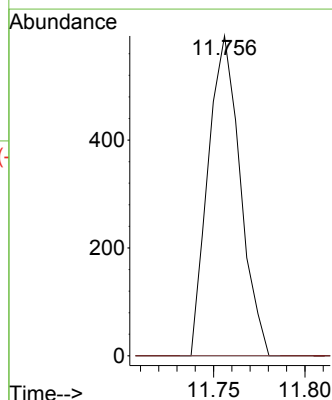
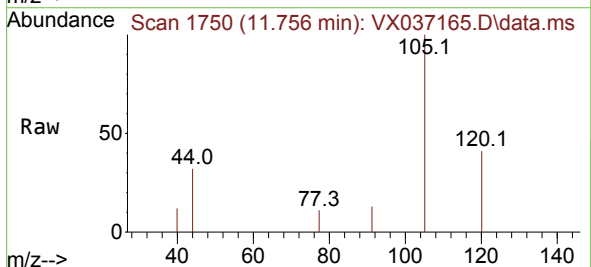
Acq: 22 Aug 2023 20:27

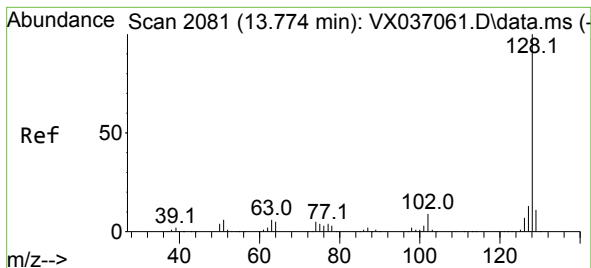
Tgt Ion:105 Resp: 726

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#





#95

Naphthalene

Concen: 1.121 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

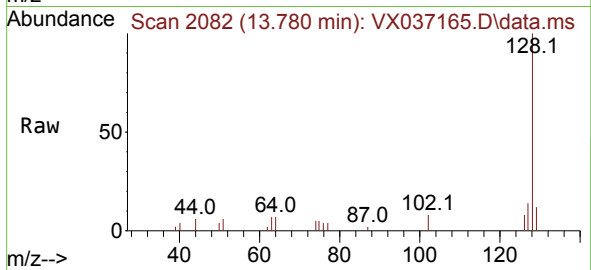
Lab File: VX037165.D

Acq: 22 Aug 2023 20:27

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 3871

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.2 8.8 13.2

