

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030820.D
 Acq On : 26 Aug 2022 13:29
 Operator : JC/MD
 Sample : N4245-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT161S1-20220817

Quant Time: Aug 27 02:38:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

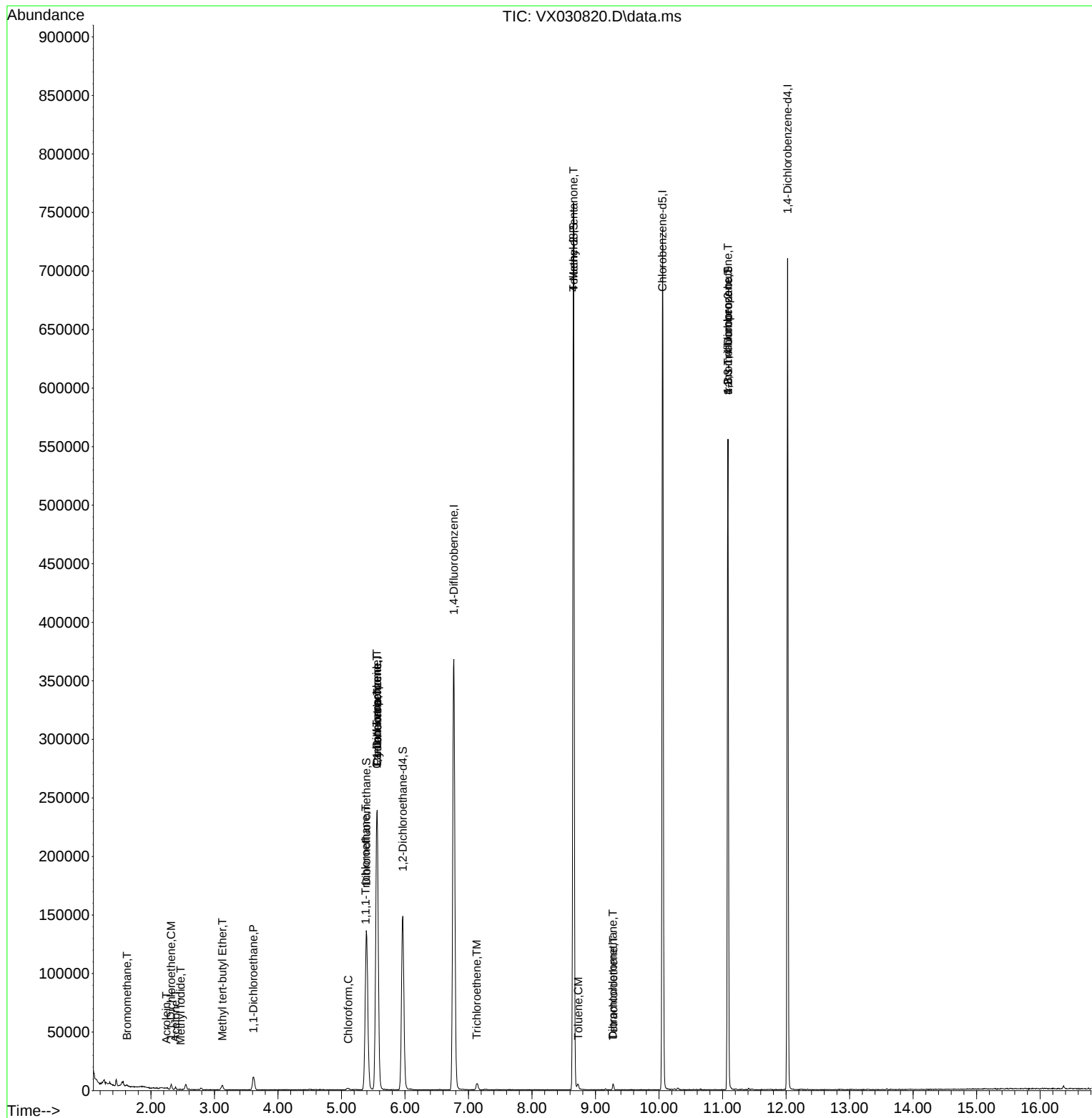
Internal Standards						
1) Pentafluorobenzene	5.562	168	227500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	389090	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	339870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143180	53.505	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.020%	
35) Dibromofluoromethane	5.391	113	121227	50.695	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.400%	
50) Toluene-d8	8.653	98	447603	53.716	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.440%	
62) 4-Bromofluorobenzene	11.085	95	146639	47.268	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.540%	
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	598	Below Cal		99
4) Vinyl Chloride	1.374	62	43	Below Cal	#	1
5) Bromomethane	1.624	94	364	0.343	ug/l #	65
6) Chloroethane	1.697	64	19	Below Cal	#	41
10) Methyl Iodide	2.465	142	173	4.116	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	1532	0.743	ug/l	95
13) Acrolein	2.239	56	54	10.153	ug/l #	14
16) Acetone	2.386	43	1736	1.404	ug/l	99
17) Carbon Disulfide	2.508	76	486	Below Cal	#	74
19) Methyl tert-butyl Ether	3.123	73	3711	0.520	ug/l	90
20) Methylene Chloride	2.782	84	796	Below Cal	#	74
24) 1,1-Dichloroethane	3.611	63	13567	3.123	ug/l	96
30) Chloroform	5.105	83	1920	0.420	ug/l #	63
31) Cyclohexane	5.562	56	4344	1.269	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	1407	0.381	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	17848	5.481	ug/l #	48
38) Carbon Tetrachloride	5.556	117	23362	6.802	ug/l #	17
44) Trichloroethene	7.129	130	2391	0.849	ug/l	81
51) 4-Methyl-2-Pentanone	8.653	43	1809	0.462	ug/l #	1
52) Toluene	8.726	92	1600	0.263	ug/l	91
60) Dibromochloromethane	9.275	129	868	0.308	ug/l #	11
64) Tetrachloroethene	9.281	164	1032	0.385	ug/l #	77
76) 1,2,3-Trichloropropane	11.085	75	72947	23.290	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	72947	75.143	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Fri Aug 26 02:03:28 2022
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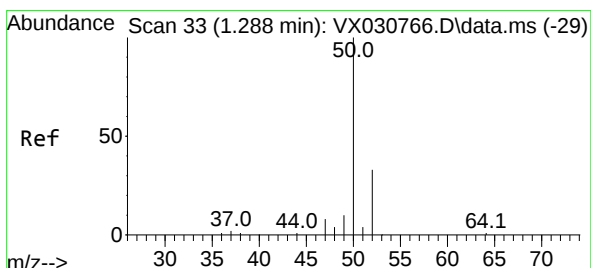
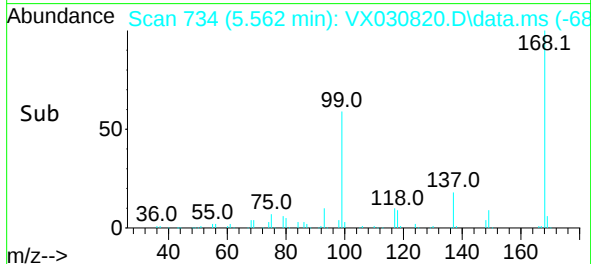
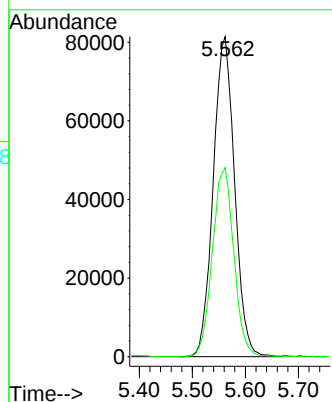
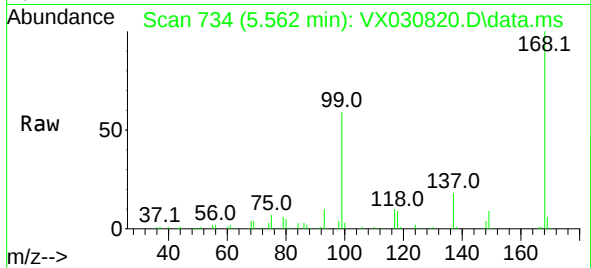




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

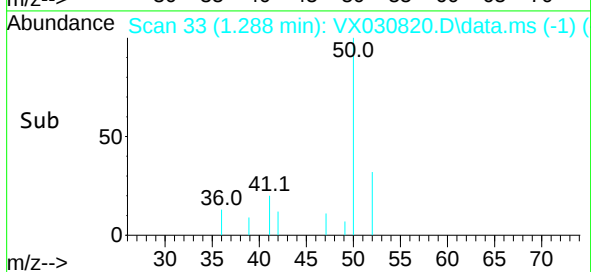
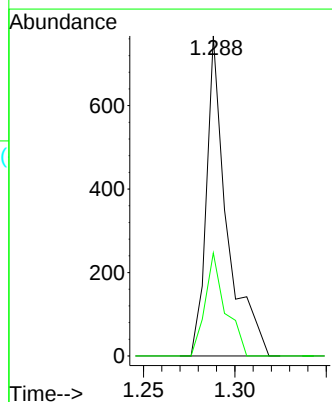
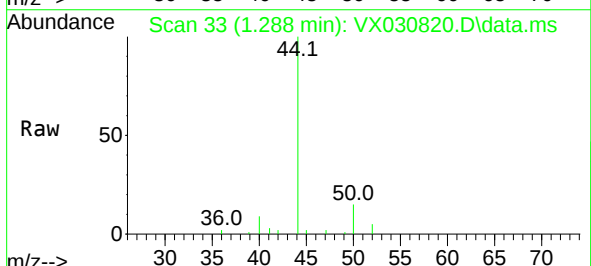
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

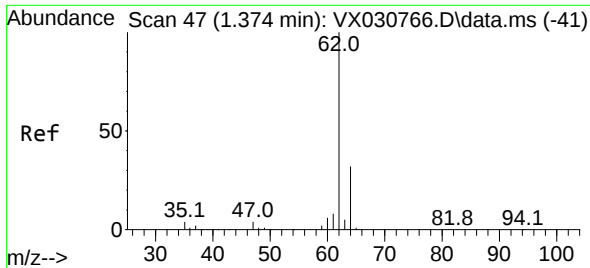
Tgt Ion:168 Resp: 227500
Ion Ratio Lower Upper
168 100
99 59.1 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion: 50 Resp: 598
Ion Ratio Lower Upper
50 100
52 32.2 26.3 39.5

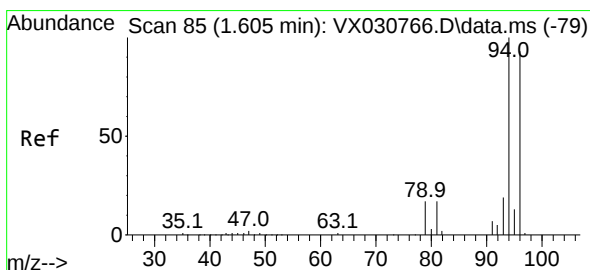
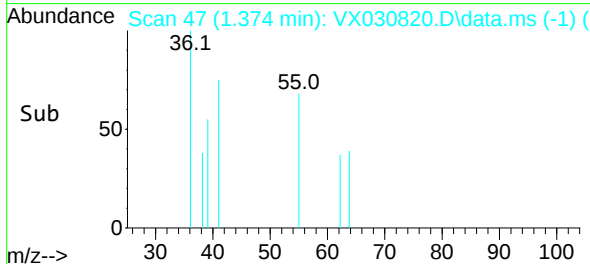
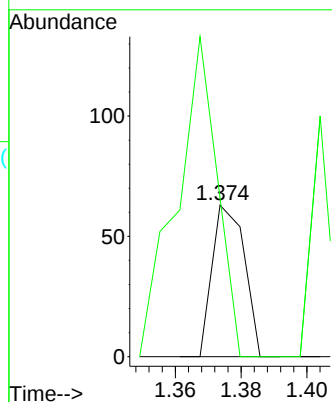
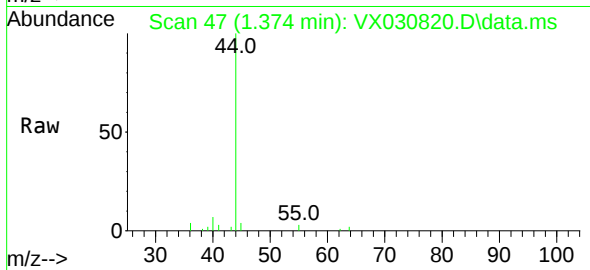




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030820.D
 Acq: 26 Aug 2022 13:29

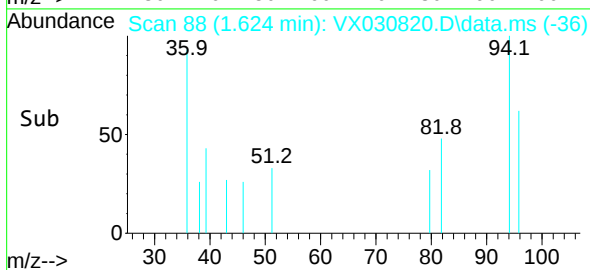
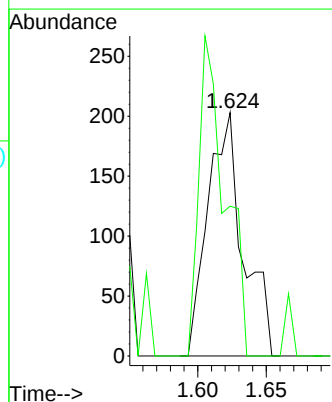
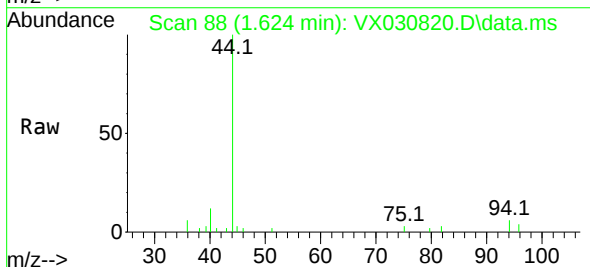
Instrument :
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 TT161S1-20220817

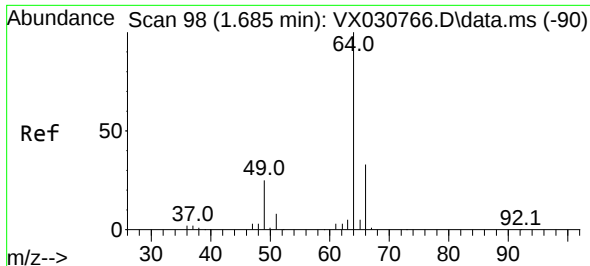
Tgt Ion: 62 Resp: 43
 Ion Ratio Lower Upper
 62 100
 64 104.8 25.2 37.8#



#5
 Bromomethane
 Concen: 0.343 ug/l
 RT: 1.624 min Scan# 88
 Delta R.T. 0.018 min
 Lab File: VX030820.D
 Acq: 26 Aug 2022 13:29

Tgt Ion: 94 Resp: 364
 Ion Ratio Lower Upper
 94 100
 96 61.6 76.9 115.3#

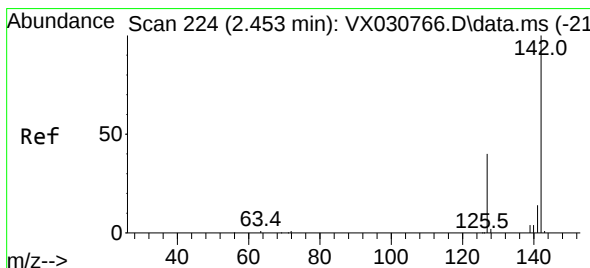
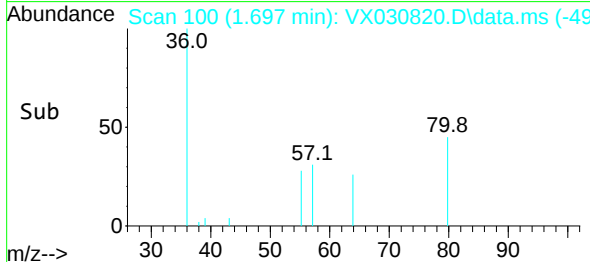
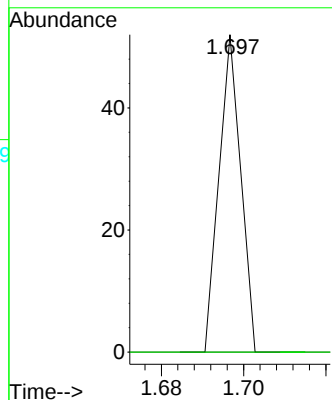
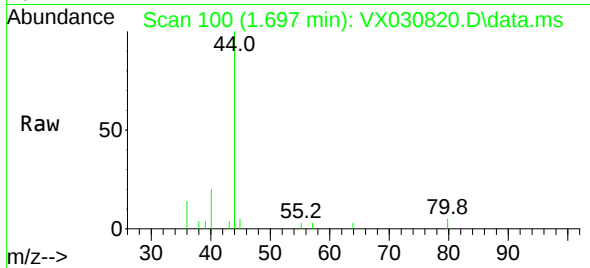




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

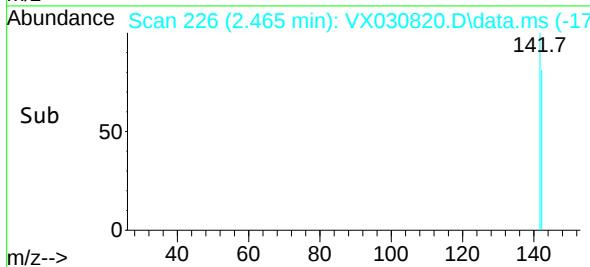
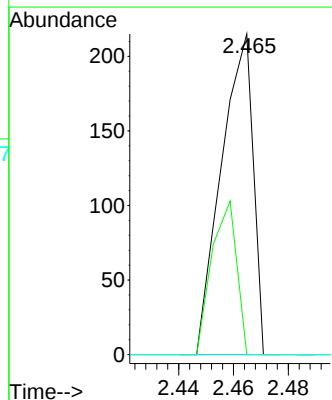
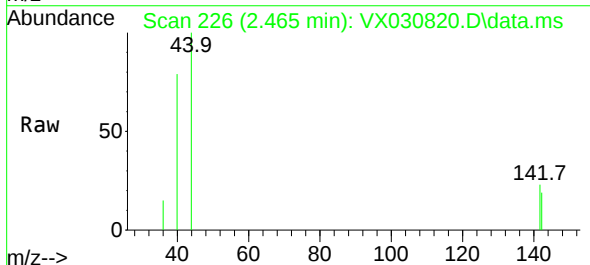
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

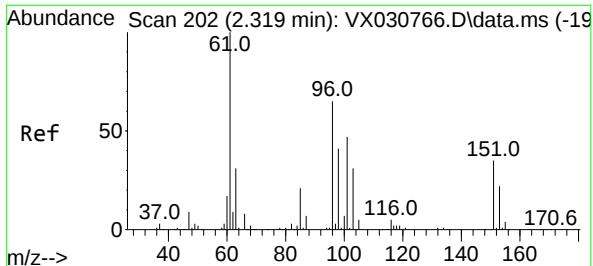
Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 4.116 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion: 142 Resp: 173
Ion Ratio Lower Upper
142 100
127 37.6 30.2 45.2
141 0.0 11.3 16.9#

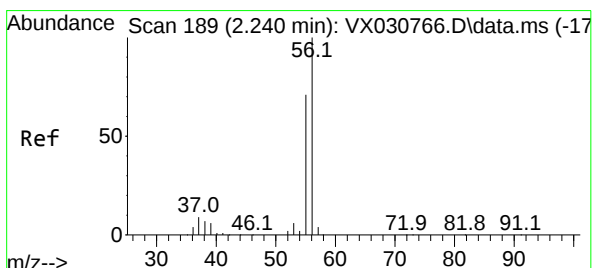
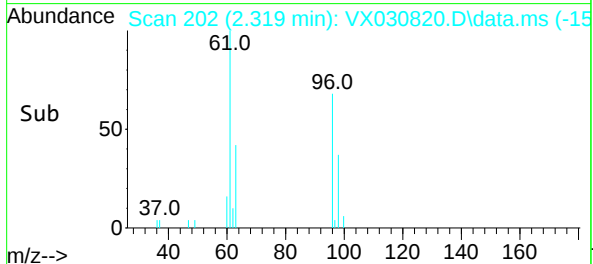
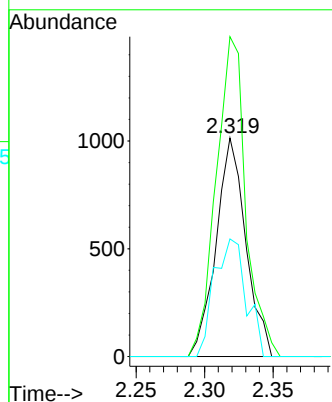
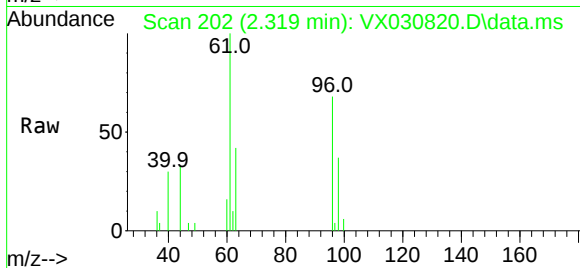




#12
1,1-Dichloroethene
Concen: 0.743 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

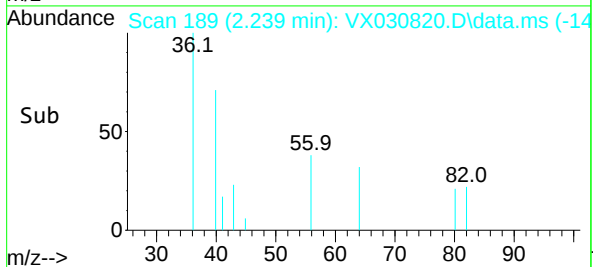
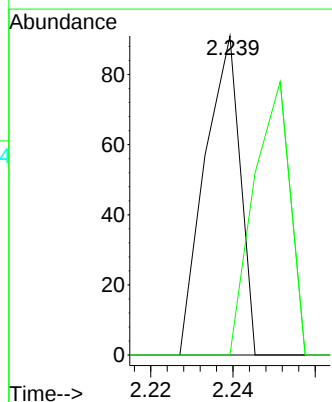
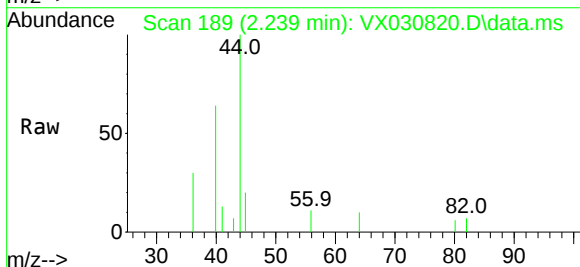
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

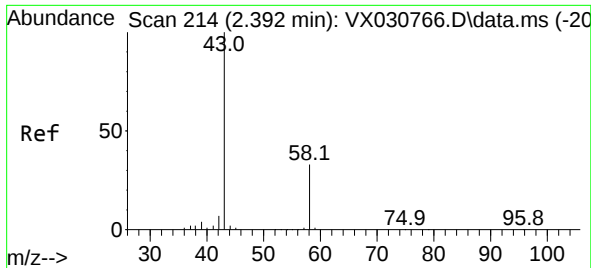
Tgt Ion: 96 Resp: 1532
Ion Ratio Lower Upper
96 100
61 146.4 117.4 176.0
98 53.8 52.2 78.4



#13
Acrolein
Concen: 10.153 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

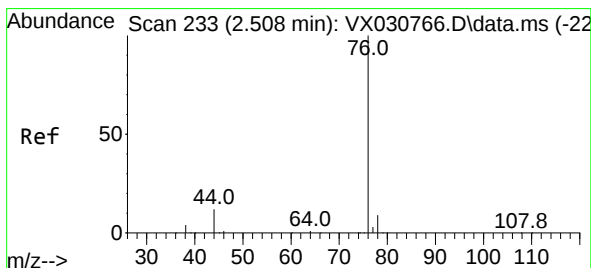
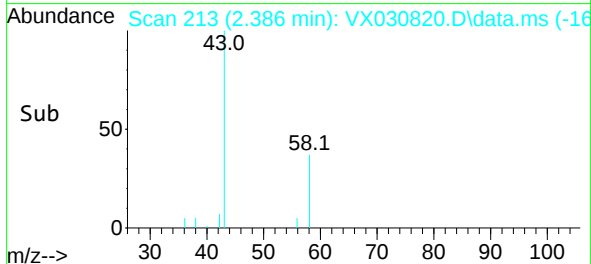
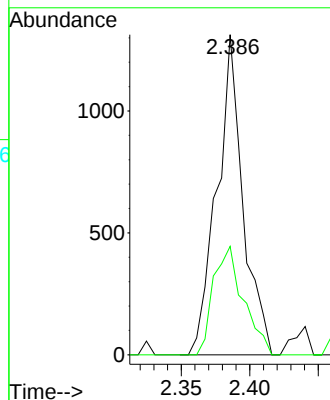
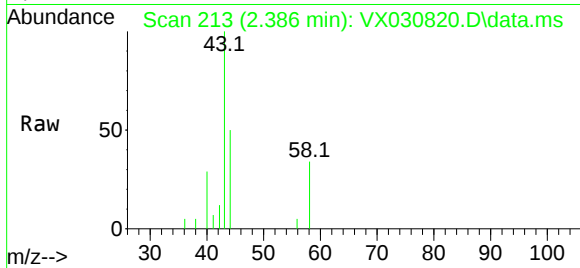




#16
Acetone
Concen: 1.404 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

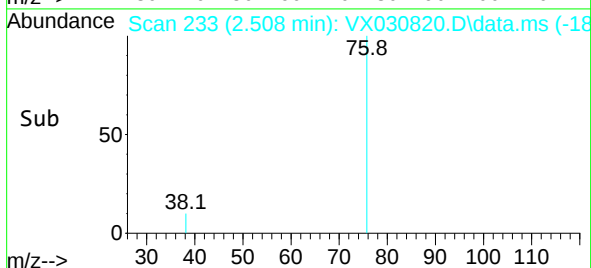
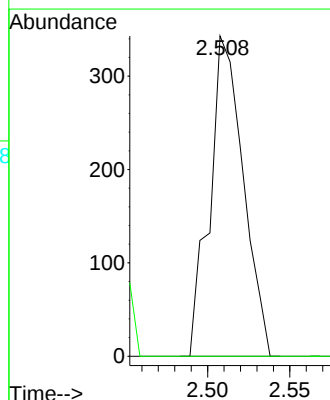
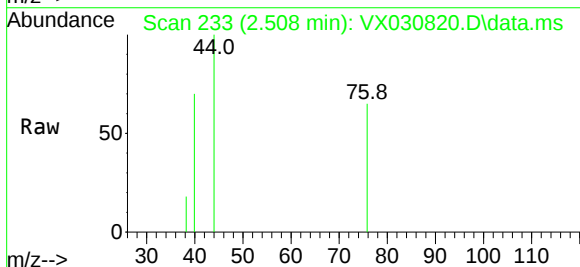
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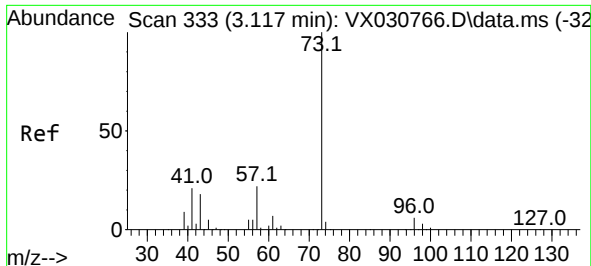
Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
58 33.9 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion: 76 Resp: 486
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

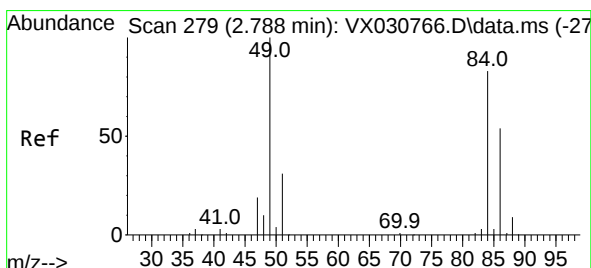
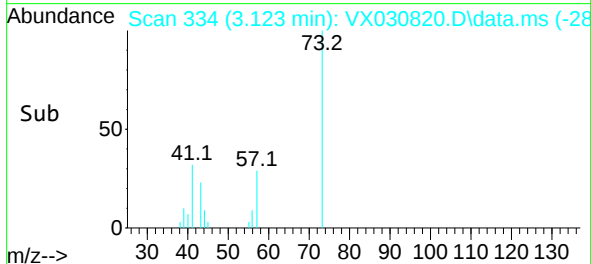
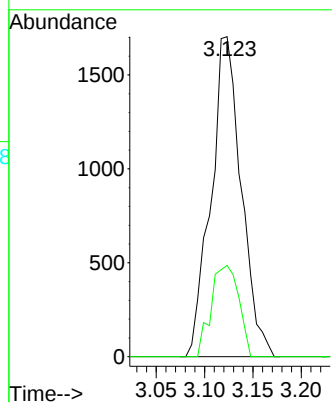
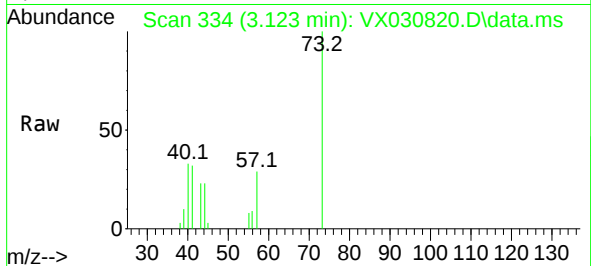




#19
Methyl tert-butyl Ether
Concen: 0.520 ug/l
RT: 3.123 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

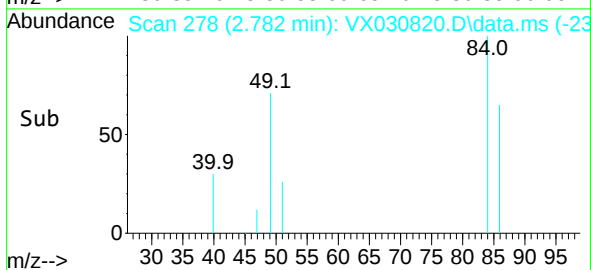
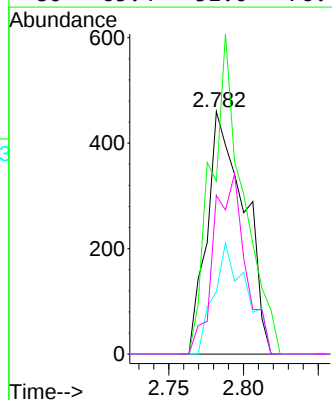
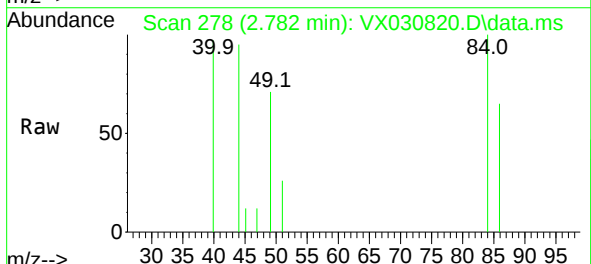
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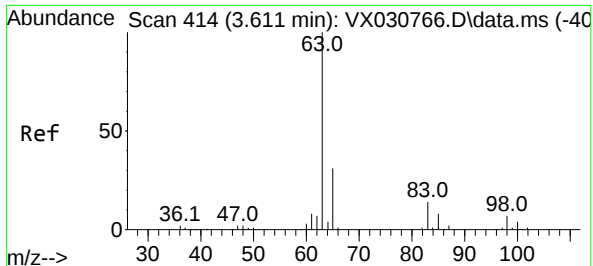
Tgt Ion: 73 Resp: 3711
Ion Ratio Lower Upper
73 100
57 28.5 19.0 28.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion: 84 Resp: 796
Ion Ratio Lower Upper
84 100
49 71.3 93.8 140.6#
51 25.7 29.4 44.0#
86 65.4 51.0 76.4

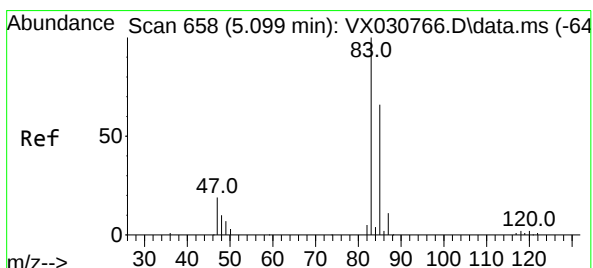
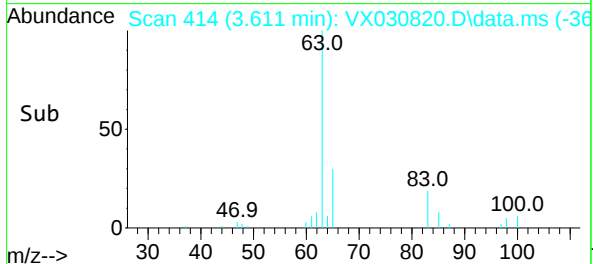
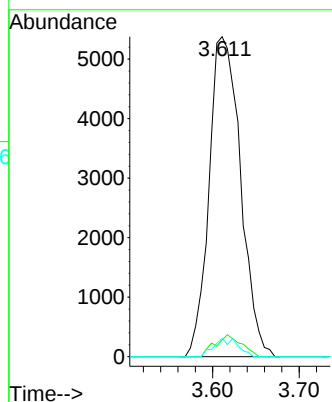
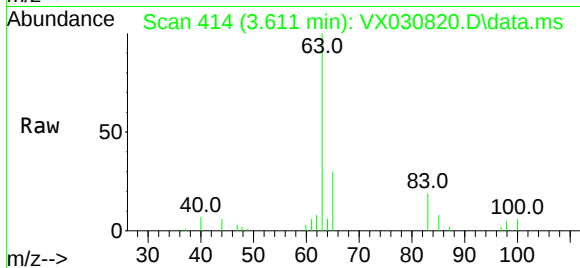




#24
1,1-Dichloroethane
Concen: 3.123 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

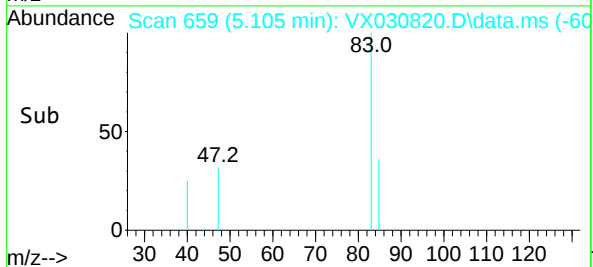
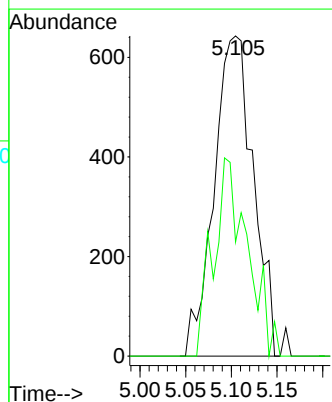
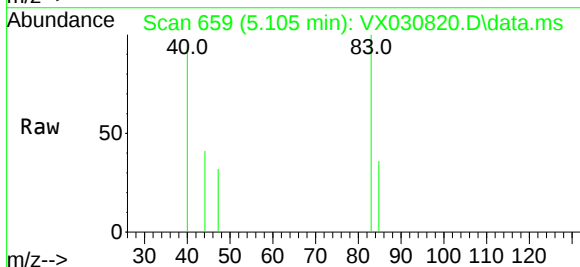
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

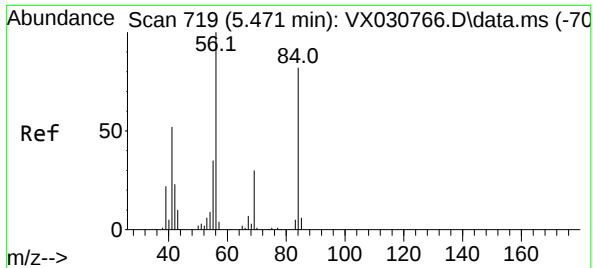
Tgt Ion: 63 Resp: 13567
Ion Ratio Lower Upper
63 100
98 5.2 3.5 10.5
100 5.7 2.3 6.9



#30
Chloroform
Concen: 0.420 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.006 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

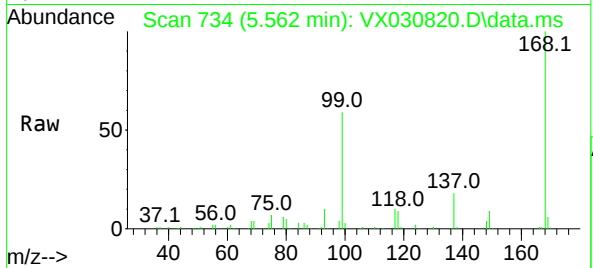
Tgt Ion: 83 Resp: 1920
Ion Ratio Lower Upper
83 100
85 35.6 51.5 77.3#





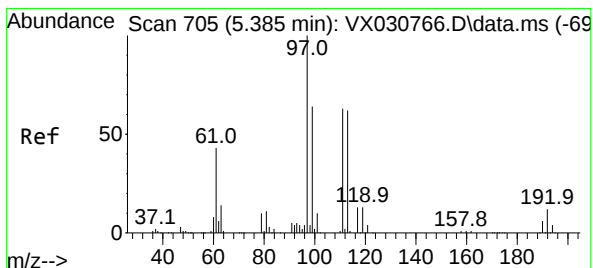
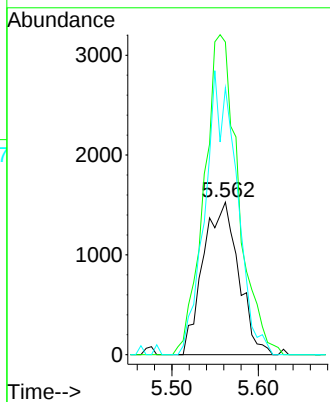
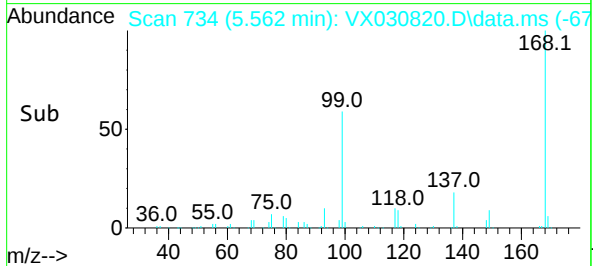
#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

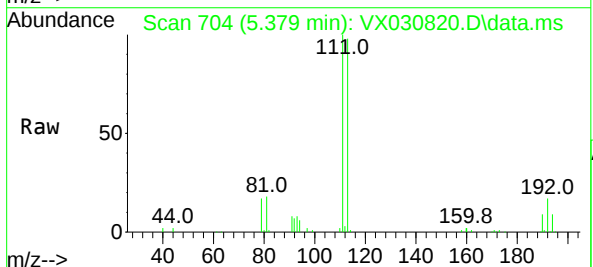


Tgt Ion: 56 Resp: 4344

Ion	Ratio	Lower	Upper
56	100		
69	200.3	25.4	38.0#
84	175.0	68.9	103.3#

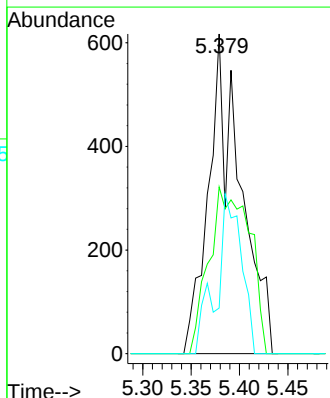
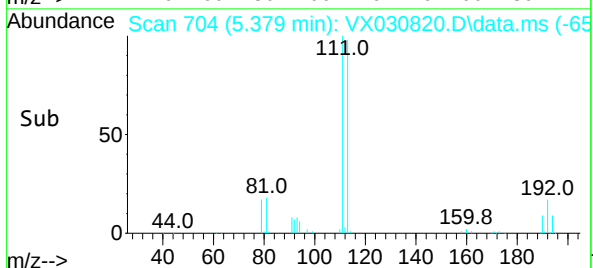


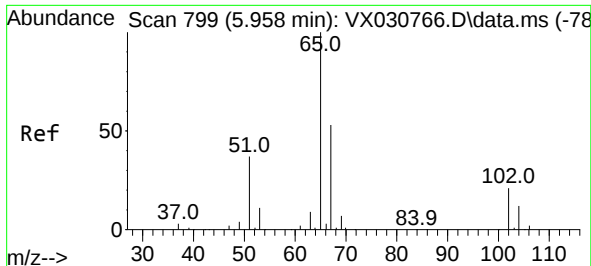
#32
1,1,1-Trichloroethane
Concen: 0.381 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29



Tgt Ion: 97 Resp: 1407

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	39.2	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 53.505 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030820.D

Acq: 26 Aug 2022 13:29

Instrument :

MSVOA_X

ClientSampleId :

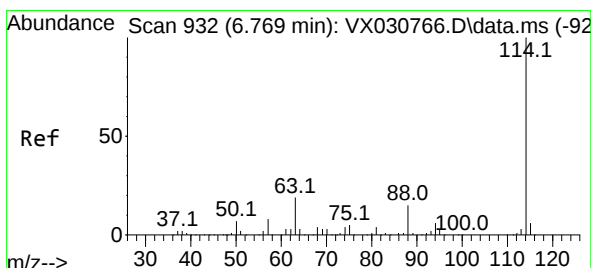
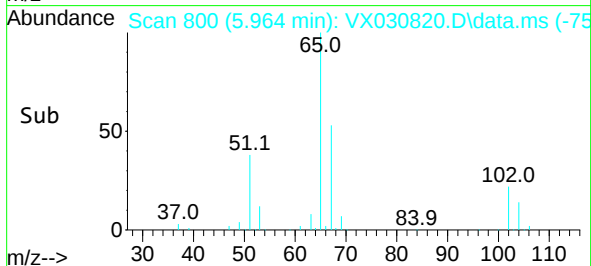
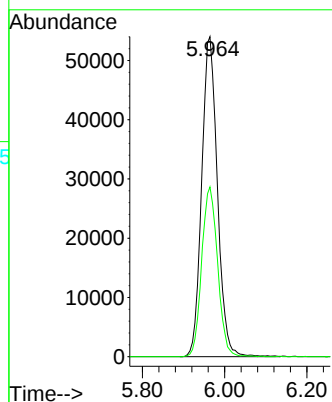
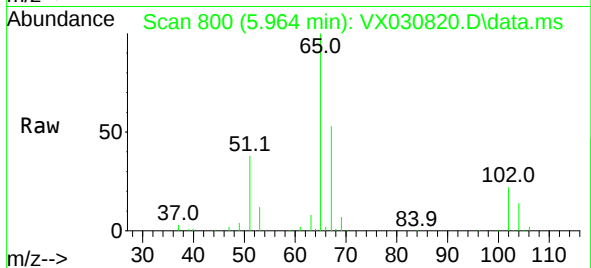
TT161S1-20220817

Tgt Ion: 65 Resp: 143180

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030820.D

Acq: 26 Aug 2022 13:29

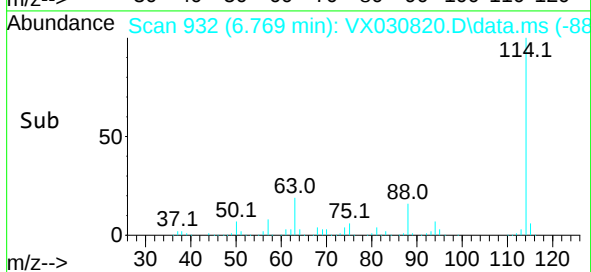
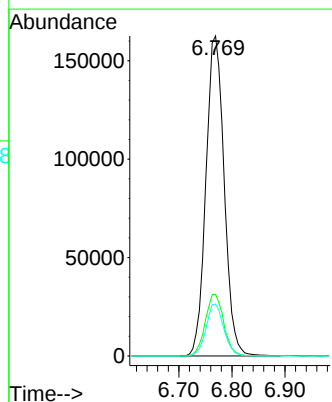
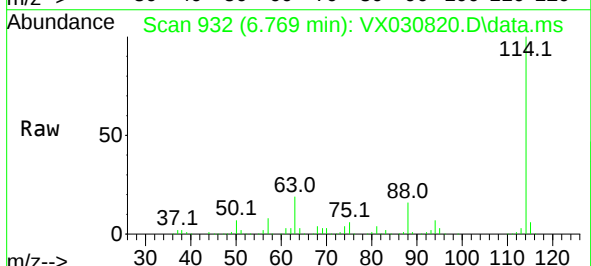
Tgt Ion: 114 Resp: 389090

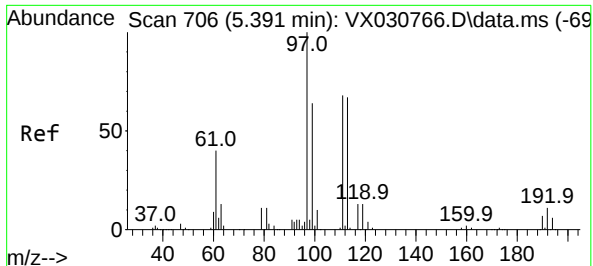
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.695 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030820.D

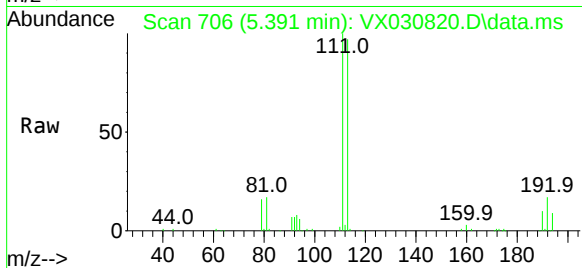
Acq: 26 Aug 2022 13:29

Instrument :

MSVOA_X

ClientSampleId :

TT161S1-20220817



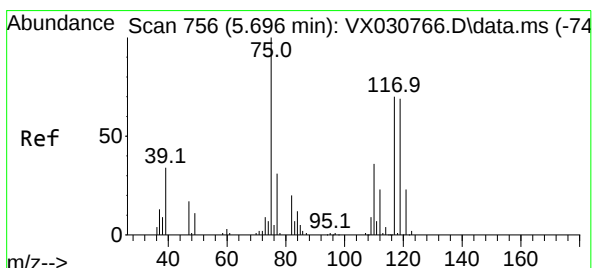
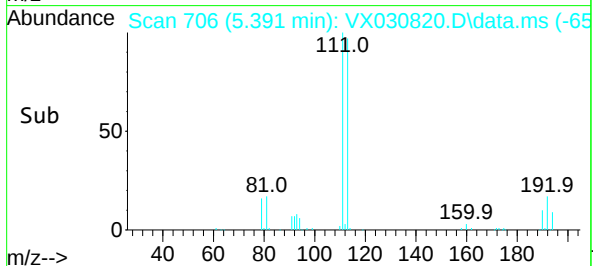
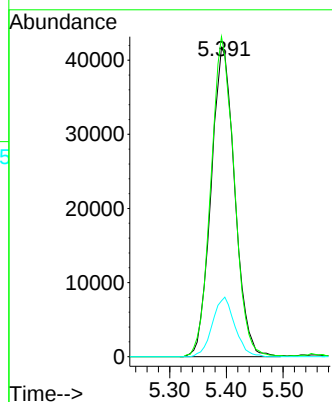
Tgt Ion:113 Resp: 121227

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

192 18.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.481 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030820.D

Acq: 26 Aug 2022 13:29

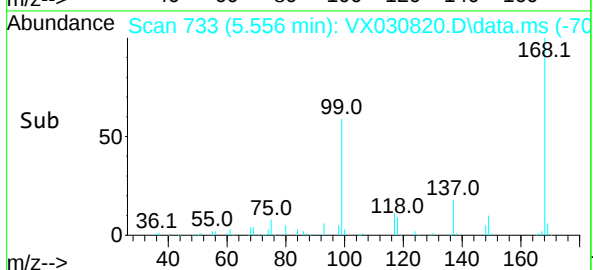
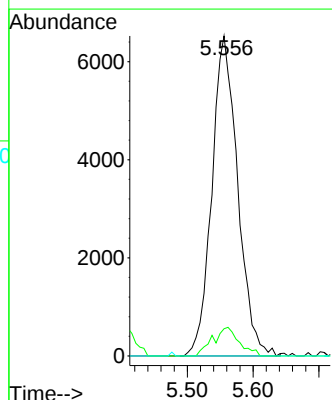
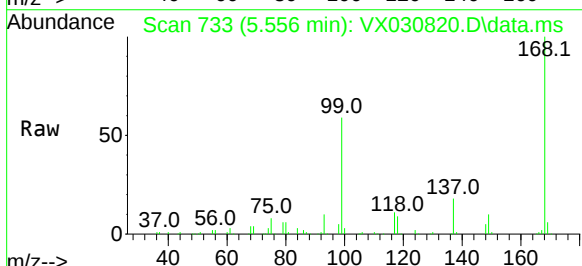
Tgt Ion: 75 Resp: 17848

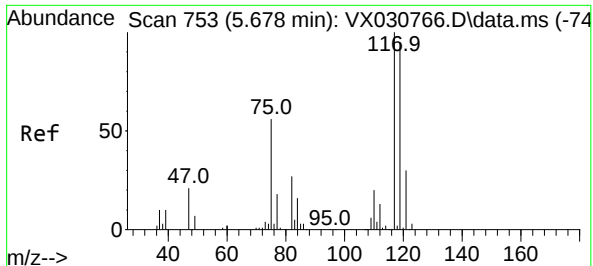
Ion Ratio Lower Upper

75 100

110 9.1 19.3 57.9#

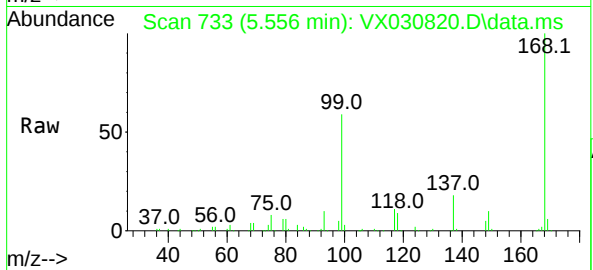
77 0.0 24.4 36.6#



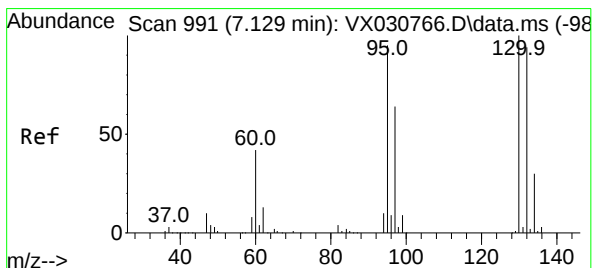
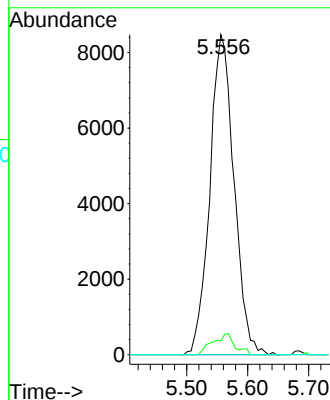
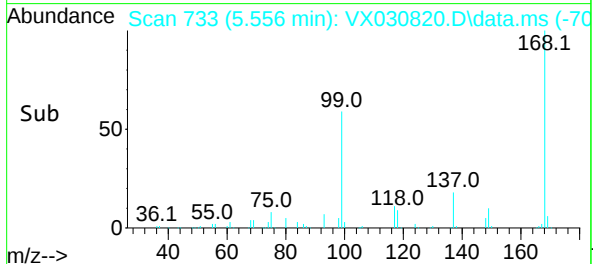


#38
Carbon Tetrachloride
Concen: 6.802 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

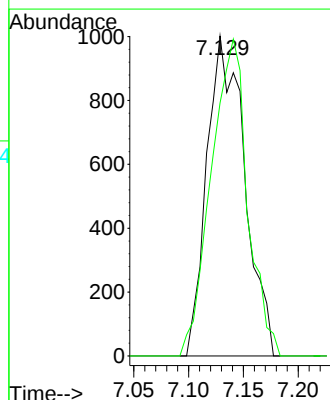
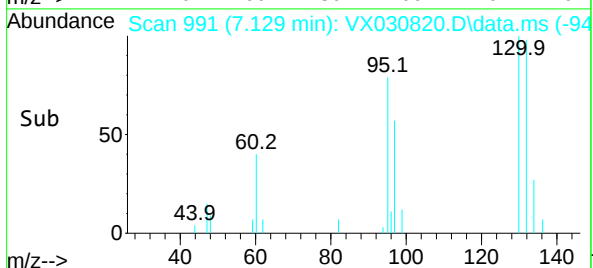
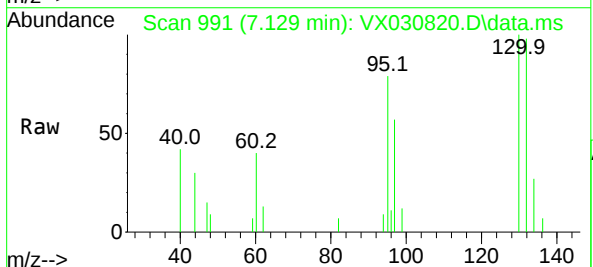


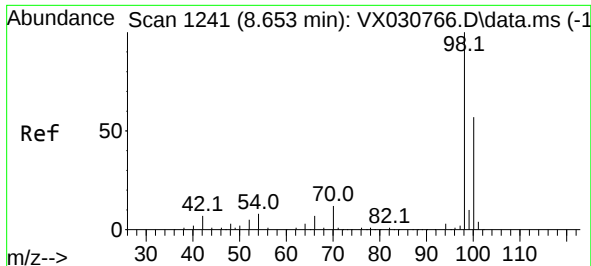
Tgt Ion:117 Resp: 23362
Ion Ratio Lower Upper
117 100
119 4.3 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.849 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion:130 Resp: 2391
Ion Ratio Lower Upper
130 100
95 79.0 0.0 194.8

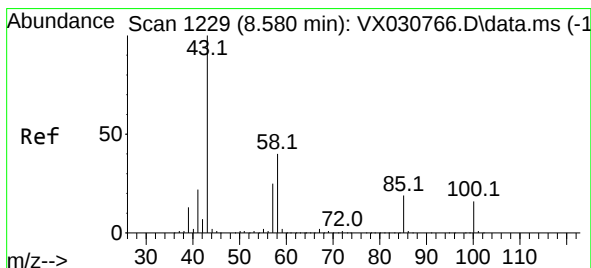
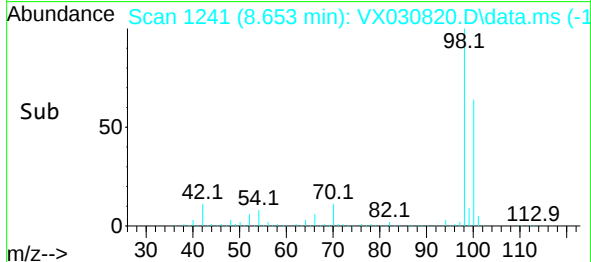
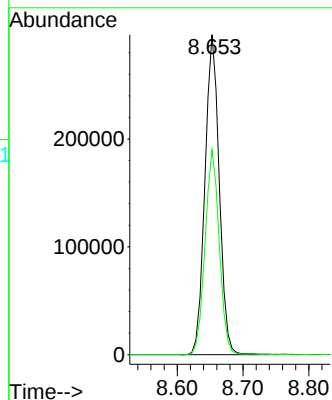
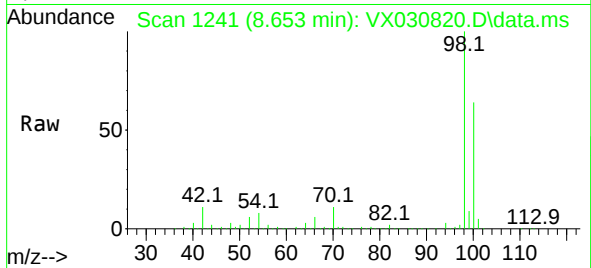




#50
Toluene-d8
Concen: 53.716 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

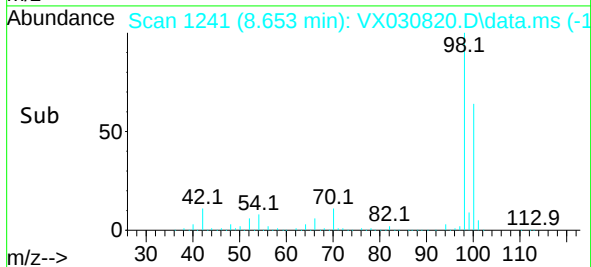
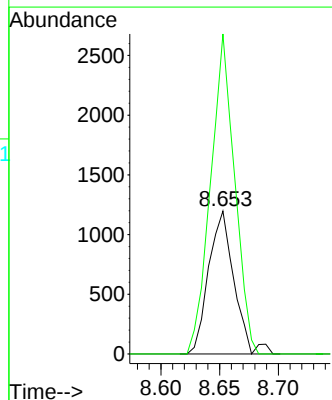
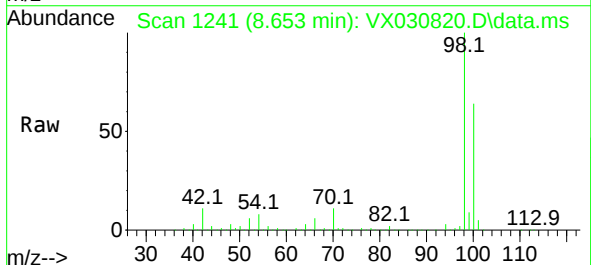
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

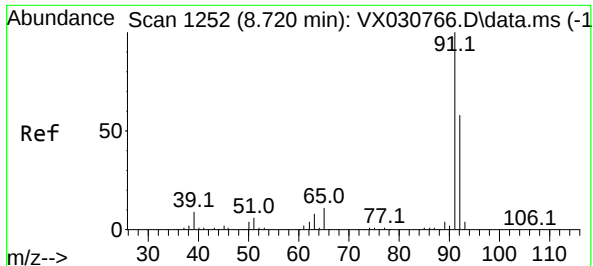
Tgt Ion: 98 Resp: 447603
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
58 211.4 31.4 47.2

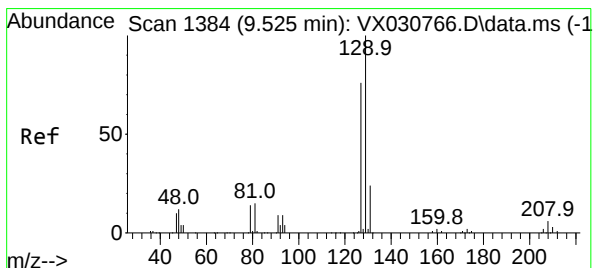
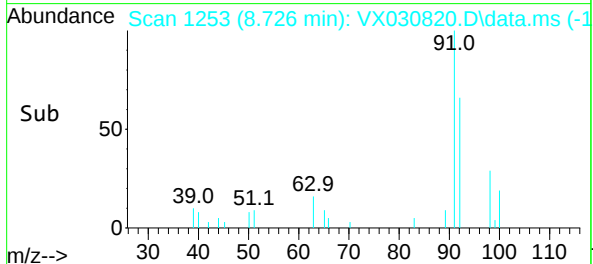
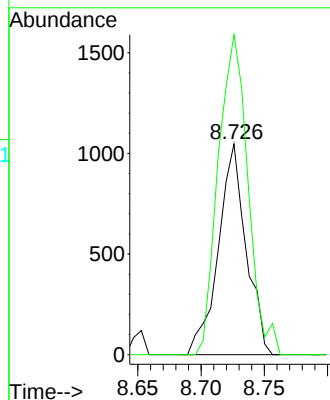
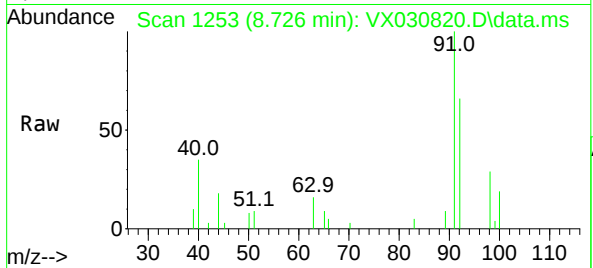




#52
Toluene
Concen: 0.263 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

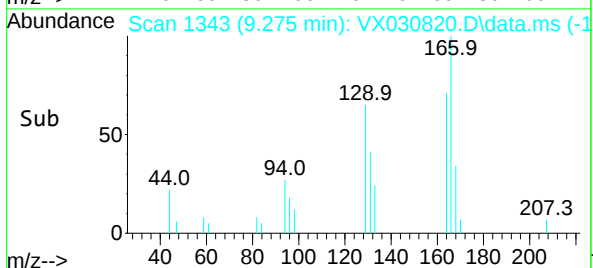
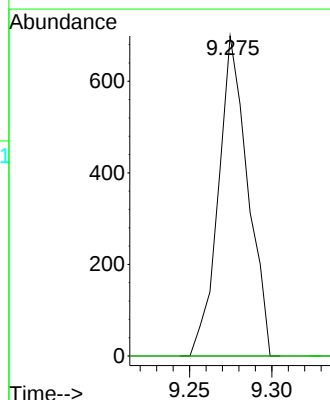
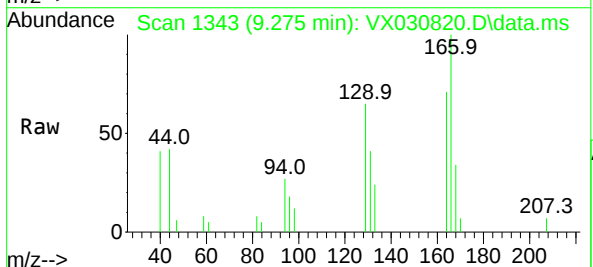
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

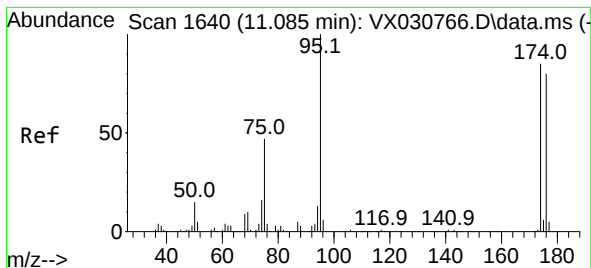
Tgt Ion: 92 Resp: 1600
Ion Ratio Lower Upper
92 100
91 162.1 139.2 208.8



#60
Dibromochloromethane
Concen: 0.308 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion: 129 Resp: 868
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

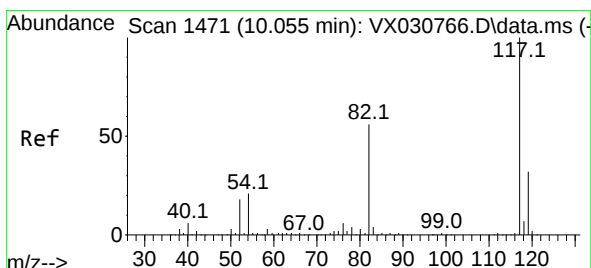
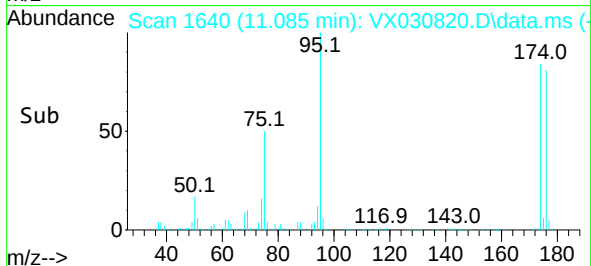
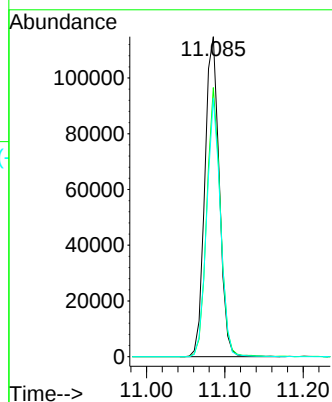
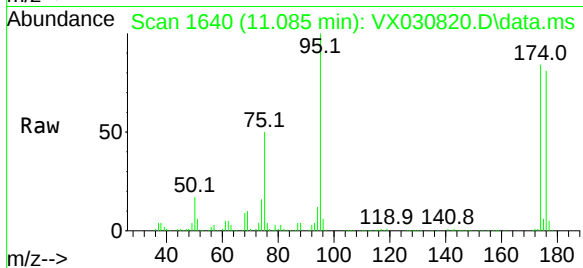




#62
4-Bromofluorobenzene
Concen: 47.268 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

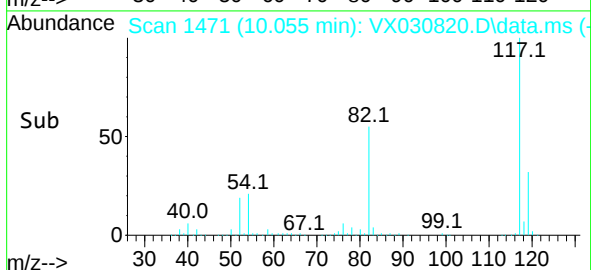
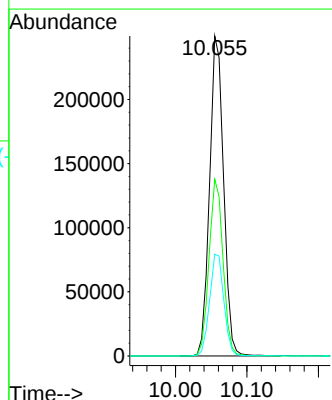
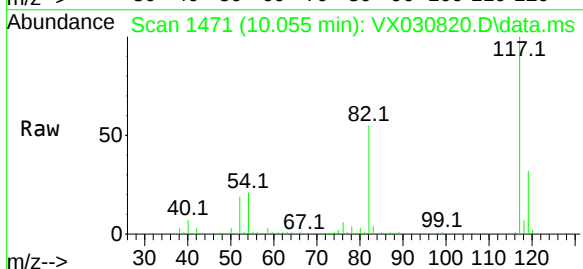
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

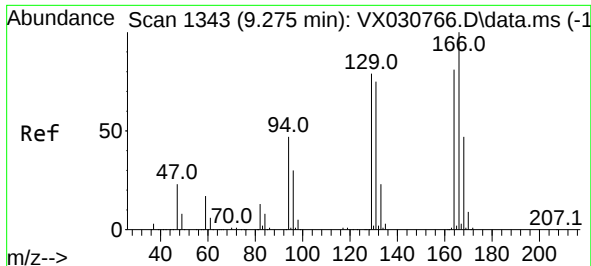
Tgt Ion: 95 Resp: 146639
Ion Ratio Lower Upper
95 100
174 79.3 0.0 149.0
176 76.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion: 117 Resp: 339870
Ion Ratio Lower Upper
117 100
82 55.2 42.7 64.1
119 31.8 25.4 38.2





#64

Tetrachloroethene

Concen: 0.385 ug/l

RT: 9.281 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX030820.D

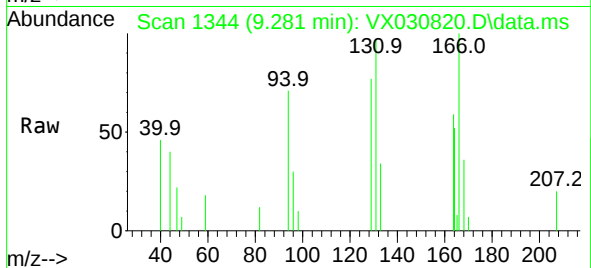
Acq: 26 Aug 2022 13:29

Instrument :

MSVOA_X

ClientSampleId :

TT161S1-20220817



Tgt Ion:164 Resp: 1032

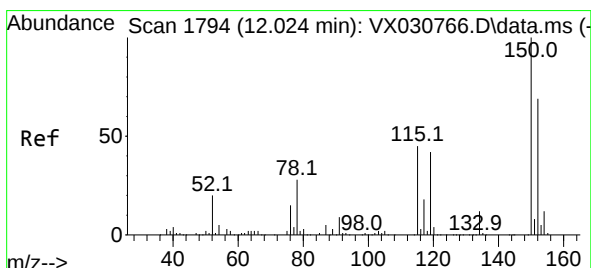
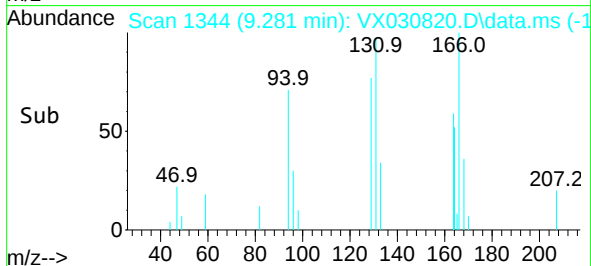
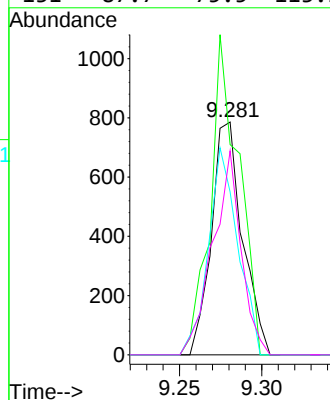
Ion Ratio Lower Upper

164 100

166 90.3 98.2 147.4#

129 70.0 80.8 121.2#

131 87.7 75.5 113.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX030820.D

Acq: 26 Aug 2022 13:29

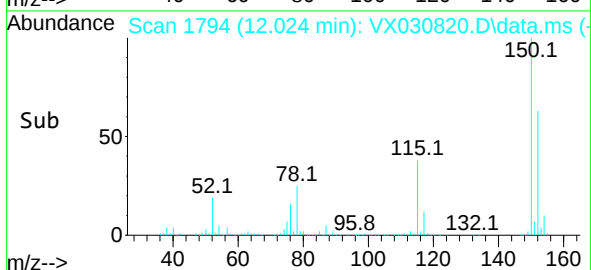
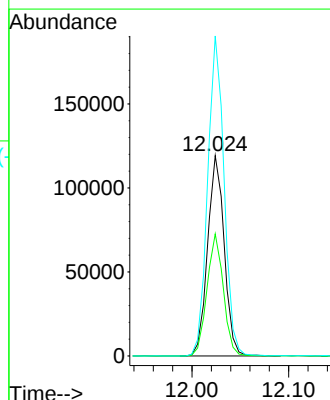
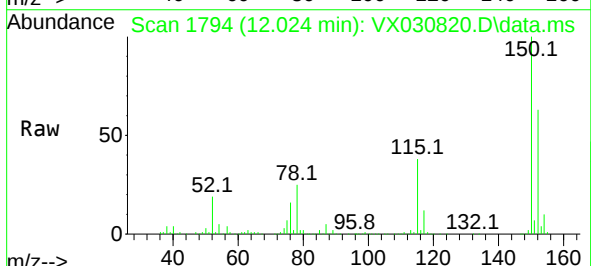
Tgt Ion:152 Resp: 142964

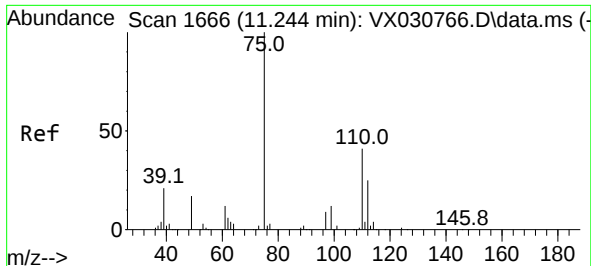
Ion Ratio Lower Upper

152 100

115 59.8 40.5 121.5

150 157.4 0.0 347.0

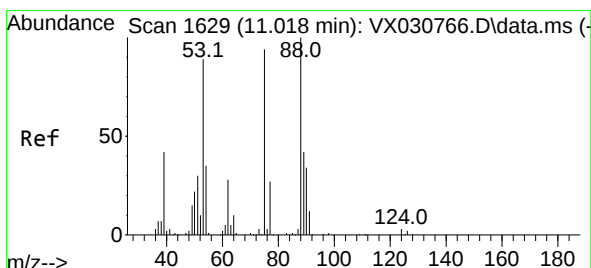
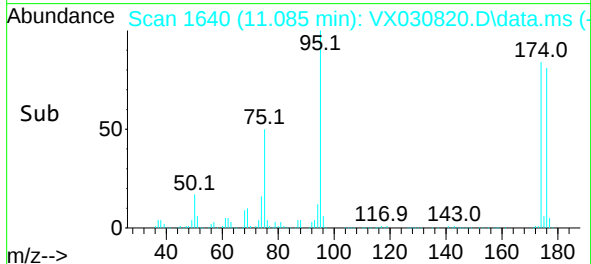
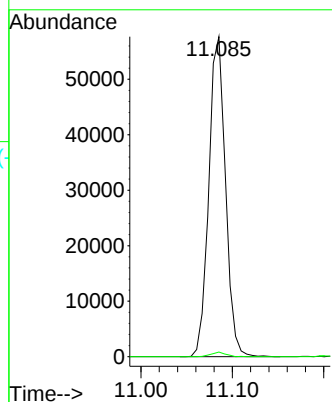
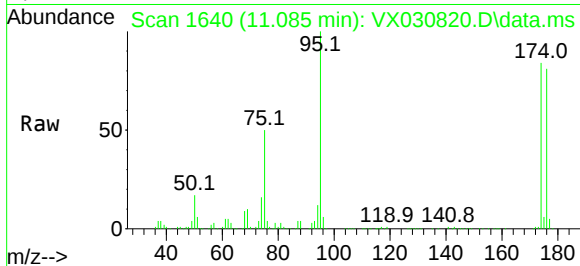




#76
1,2,3-Trichloropropane
Concen: 23.290 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220817

Tgt Ion: 75 Resp: 72947
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.143 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX030820.D
Acq: 26 Aug 2022 13:29

Tgt Ion: 75 Resp: 72947
Ion Ratio Lower Upper
75 100
53 0.2 74.2 111.4#
89 0.0 34.8 52.2#

