

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062421\
 Data File : VX022871.D
 Acq On : 24 Jun 2021 15:51
 Operator : JC/MD
 Sample : M2783-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20210618

Quant Time: Jun 25 05:38:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

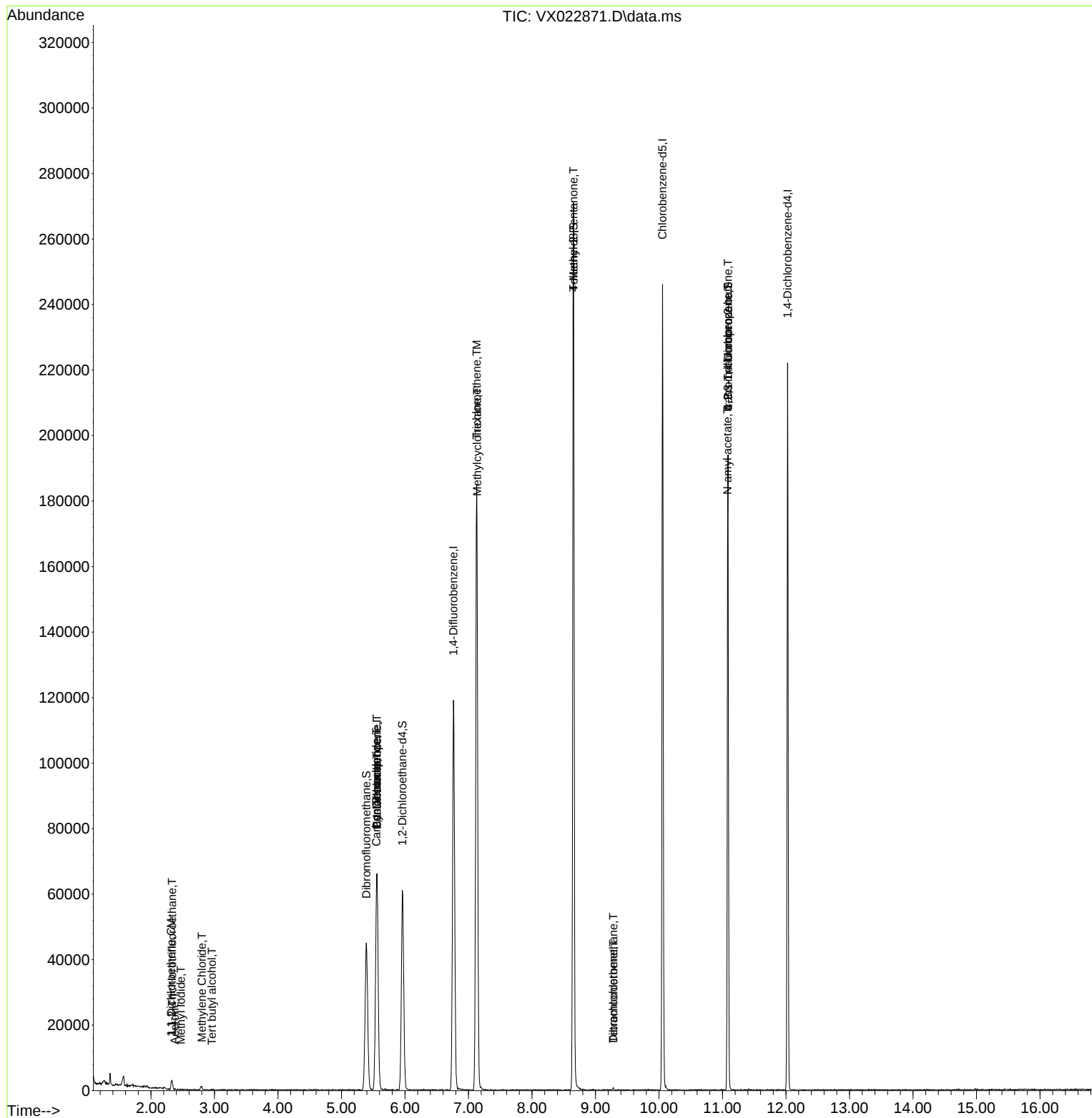
Internal Standards						
1) Pentafluorobenzene	5.556	168	55071	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	110601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	37971	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54020	54.05	ug/l	0.00
Spiked Amount 50.000	Range	78 - 117	Recovery	=	108.10%	
35) Dibromofluoromethane	5.391	113	38422	54.71	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	=	109.42%	
50) Toluene-d8	8.653	98	151723	55.12	ug/l	0.00
Spiked Amount 50.000	Range	92 - 112	Recovery	=	110.24%	
62) 4-Bromofluorobenzene	11.085	95	51322	49.96	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	=	99.92%	
Target Compounds						
						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	1072	1.50	ug/l	# 87
10) Methyl Iodide	2.471	142	61	3.94	ug/l	# 42
11) Tert butyl alcohol	2.959	59	73	0.35	ug/l	# 73
12) 1,1-Dichloroethene	2.319	96	361	0.51	ug/l	# 82
16) Acetone	2.374	43	284	0.64	ug/l	# 59
20) Methylene Chloride	2.800	84	496	0.93	ug/l	# 76
31) Cyclohexane	5.556	56	1714	1.21	ug/l	# 40
36) 1,1-Dichloropropene	5.556	75	5757	4.90	ug/l	# 47
38) Carbon Tetrachloride	5.550	117	6890	6.99	ug/l	# 15
39) Methylcyclohexane	7.135	83	995	0.73	ug/l	# 1
44) Trichloroethene	7.129	130	63484	79.03	ug/l	93
51) 4-Methyl-2-Pentanone	8.653	43	885	0.65	ug/l	# 1
60) Dibromochloromethane	9.281	129	129	3.80	ug/l	# 11
64) Tetrachloroethene	9.281	164	143	0.20	ug/l	# 82
74) N-amyl acetate	11.079	43	19	2.06	ug/l	# 1
76) 1,2,3-Trichloropropane	11.085	75	28664	28.58	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	28664	73.65	ug/l	# 12

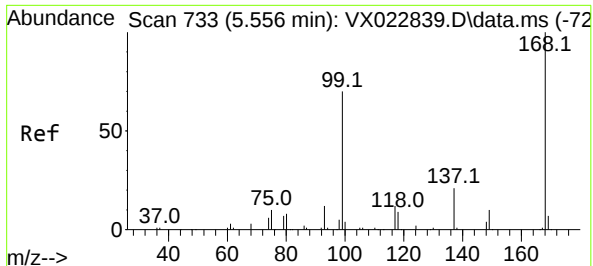
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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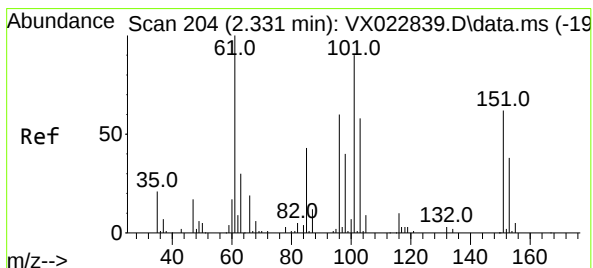
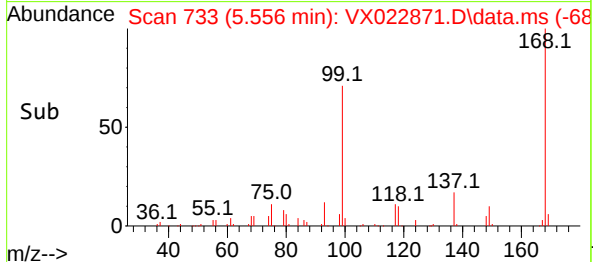
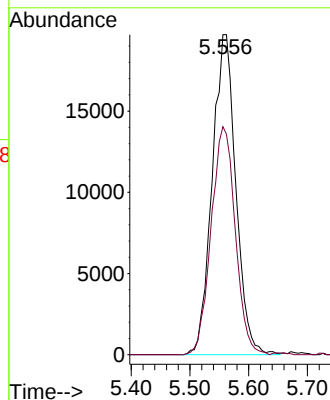
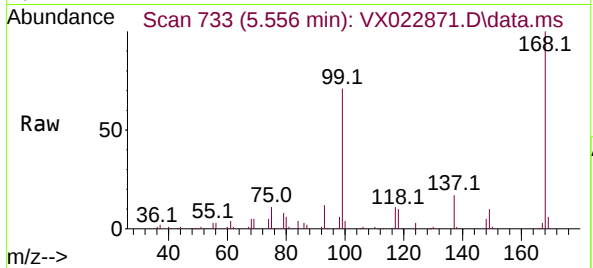




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

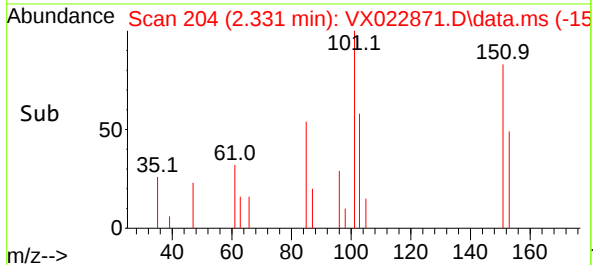
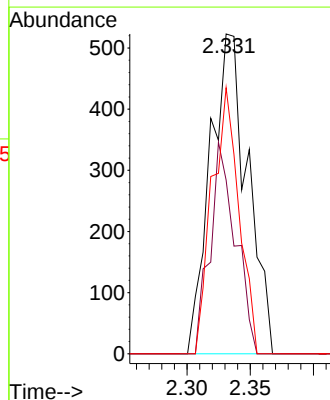
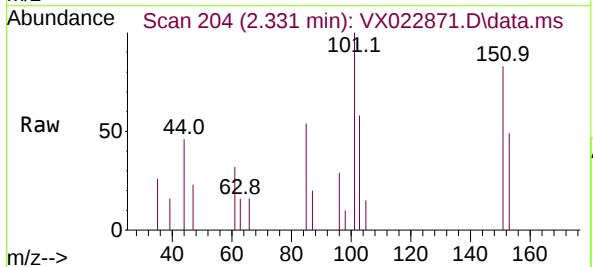
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210618

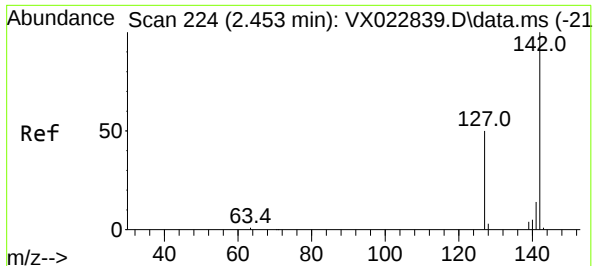
Tgt Ion:168 Resp: 55071
Ion Ratio Lower Upper
168 100
99 71.2 45.8 68.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.50 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

Tgt Ion:101 Resp: 1072
Ion Ratio Lower Upper
101 100
85 45.3 34.9 52.3
151 60.0 61.4 92.2#

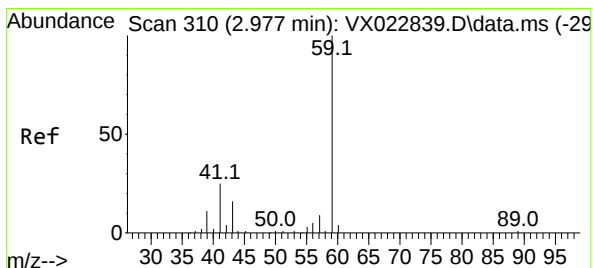
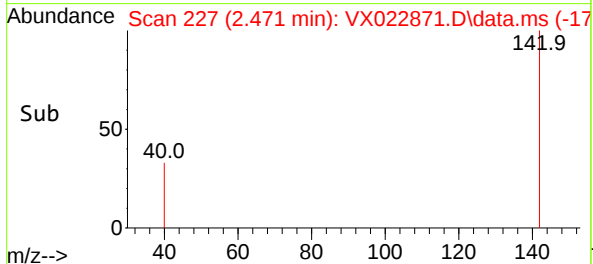
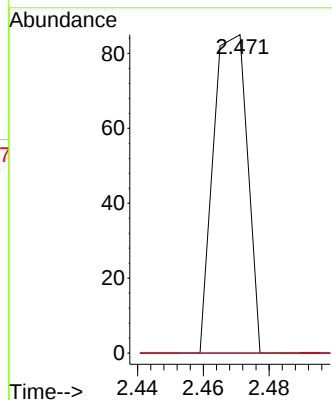
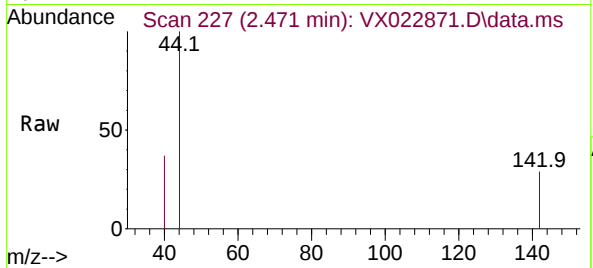




#10
Methyl Iodide
Concen: 3.94 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

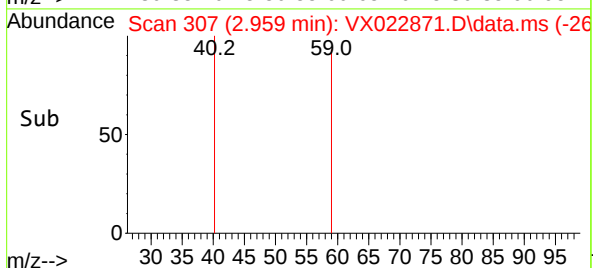
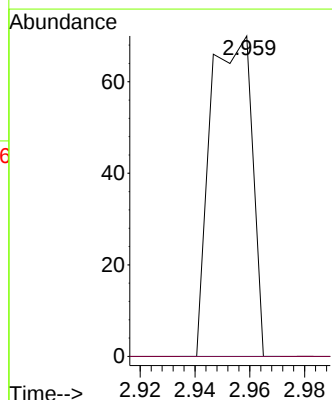
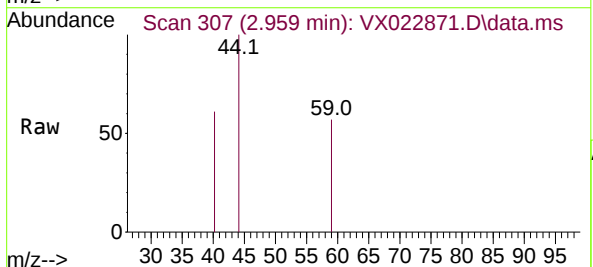
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210618

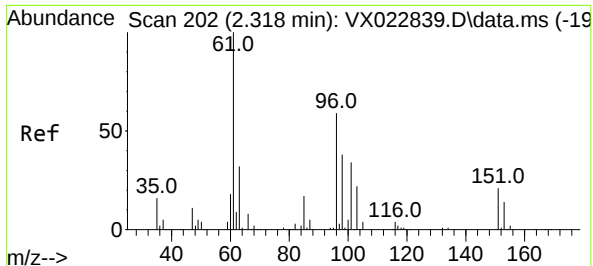
Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.51 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.001 min

Lab File: VX022871.D

Acq: 24 Jun 2021 15:51

Tgt Ion: 96 Resp: 361

Ion Ratio Lower Upper

96 100

61 143.1 124.6 187.0

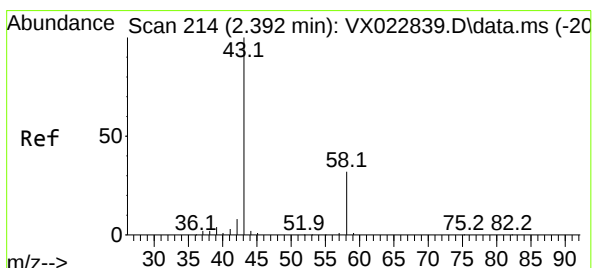
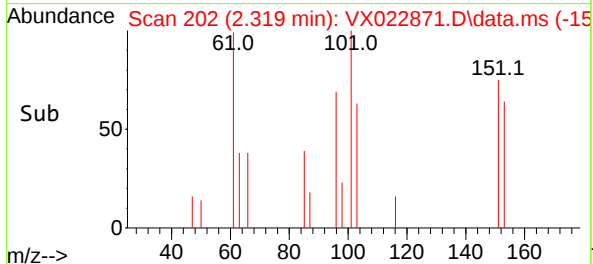
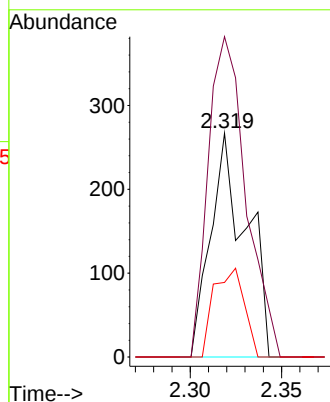
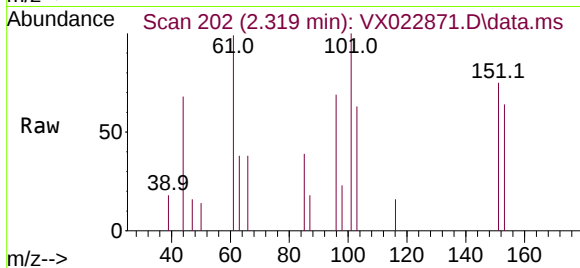
98 33.3 50.6 76.0#

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20210618



#16

Acetone

Concen: 0.64 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.018 min

Lab File: VX022871.D

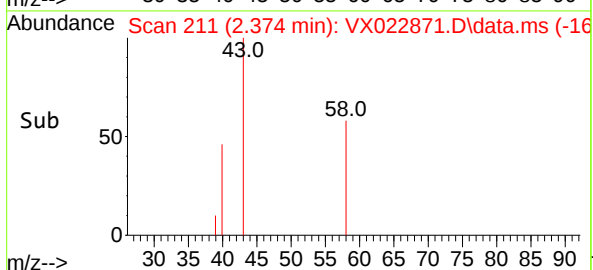
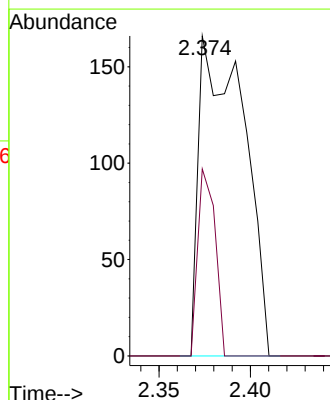
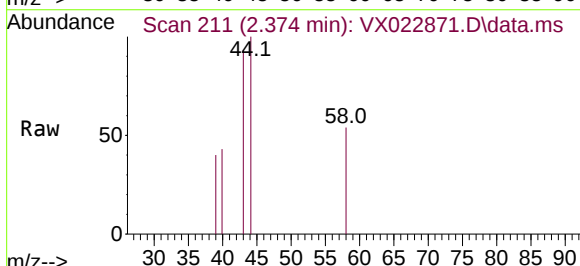
Acq: 24 Jun 2021 15:51

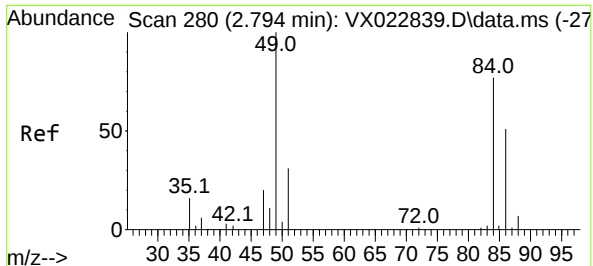
Tgt Ion: 43 Resp: 284

Ion Ratio Lower Upper

43 100

58 58.4 27.8 41.8#





#20

Methylene Chloride

Concen: 0.93 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX022871.D

Acq: 24 Jun 2021 15:51

Tgt Ion: 84 Resp: 496

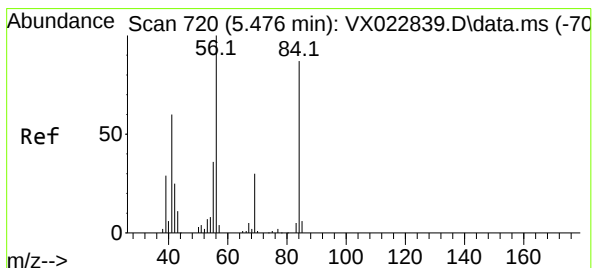
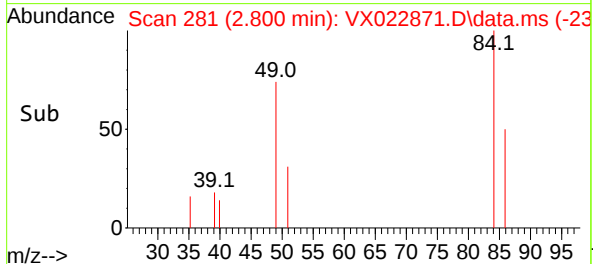
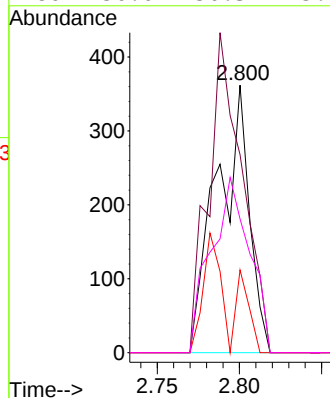
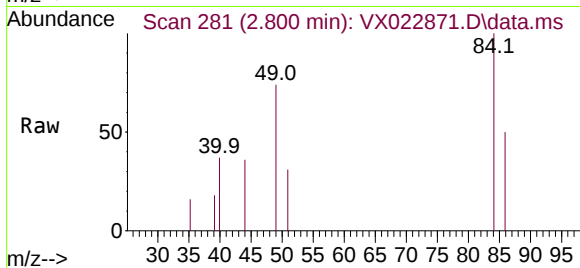
Ion Ratio Lower Upper

84 100

49 74.0 88.6 132.8#

51 30.9 27.0 40.6

86 50.0 50.3 75.5#



#31

Cyclohexane

Concen: 1.21 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.080 min

Lab File: VX022871.D

Acq: 24 Jun 2021 15:51

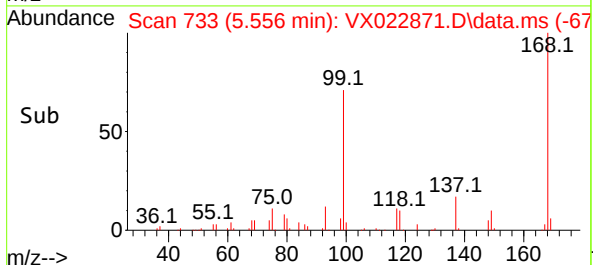
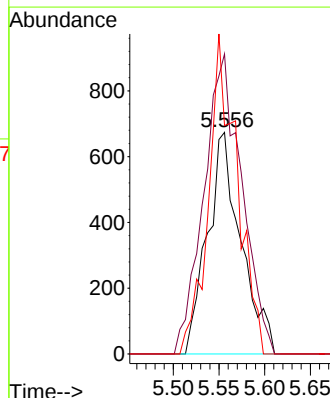
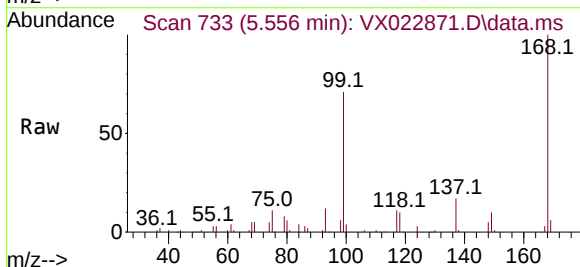
Tgt Ion: 56 Resp: 1714

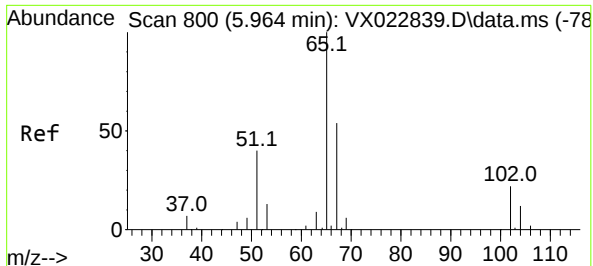
Ion Ratio Lower Upper

56 100

69 135.3 25.3 37.9#

84 103.1 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 54.05 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX022871.D

Acq: 24 Jun 2021 15:51

Tgt Ion: 65 Resp: 54020

Ion Ratio Lower Upper

65 100

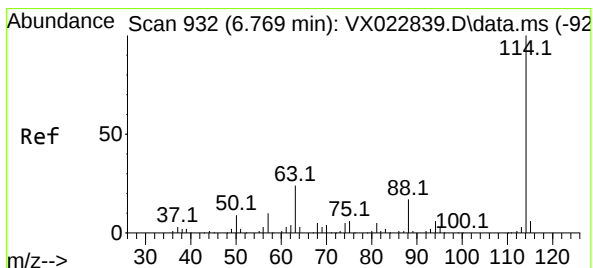
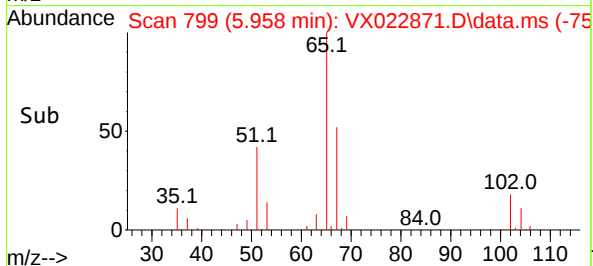
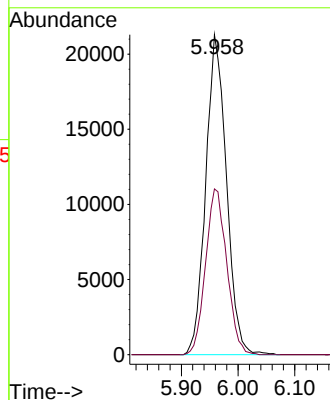
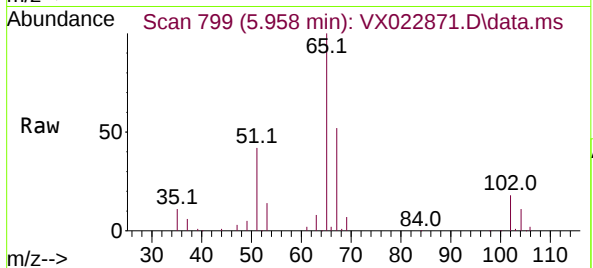
67 53.0 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20210618



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX022871.D

Acq: 24 Jun 2021 15:51

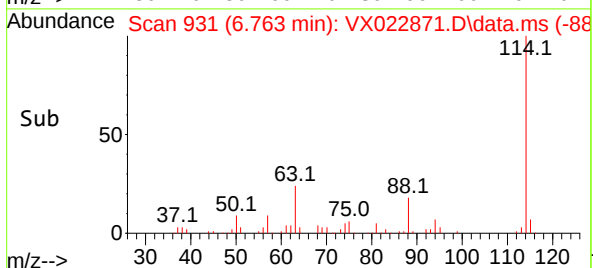
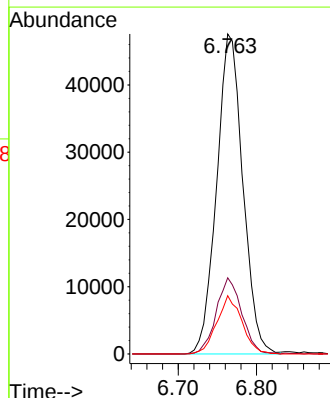
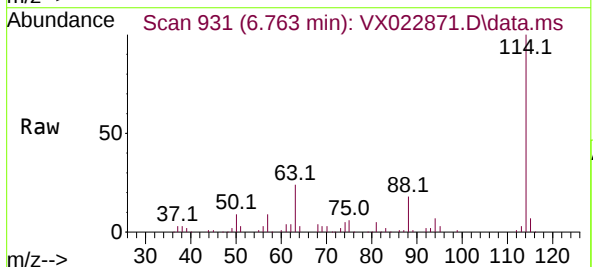
Tgt Ion: 114 Resp: 110601

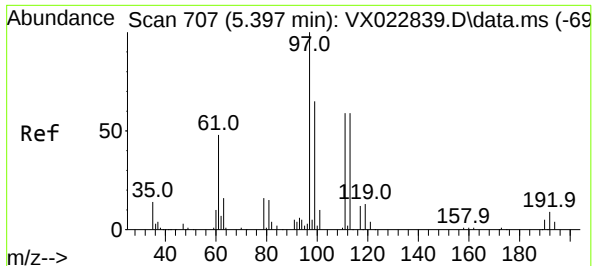
Ion Ratio Lower Upper

114 100

63 23.8 0.0 40.8

88 18.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 54.71 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX022871.D

Acq: 24 Jun 2021 15:51

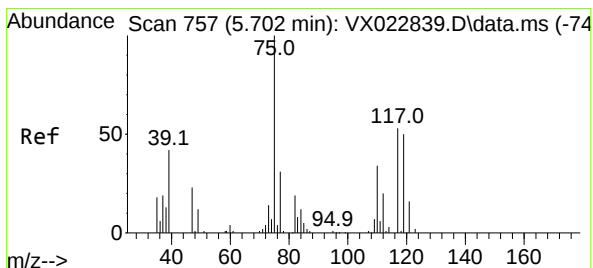
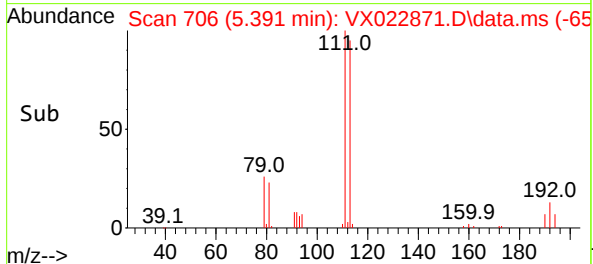
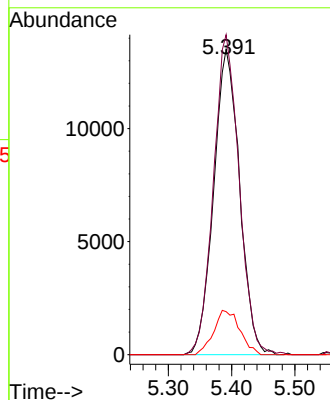
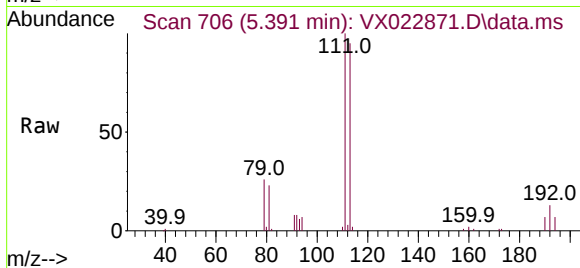
Tgt Ion:113 Resp: 38422

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

192 14.6 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.90 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022871.D

Acq: 24 Jun 2021 15:51

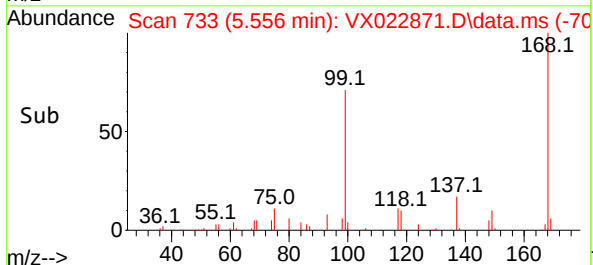
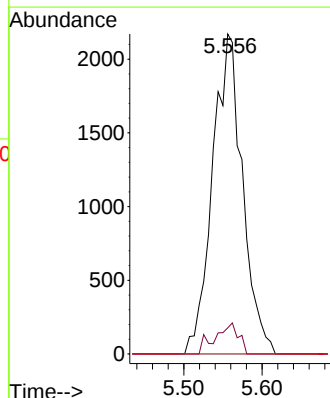
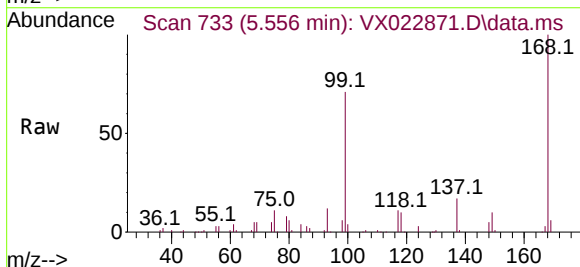
Tgt Ion: 75 Resp: 5757

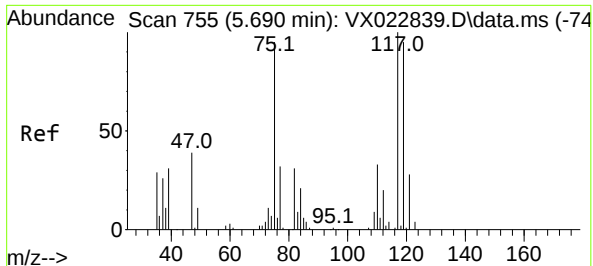
Ion Ratio Lower Upper

75 100

110 7.5 18.1 54.4#

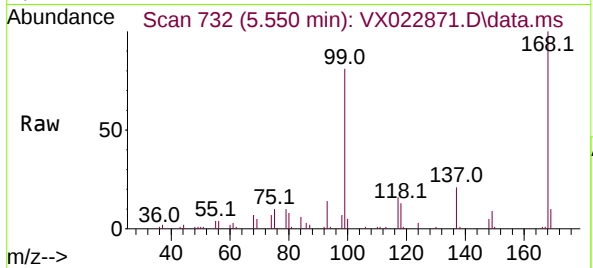
77 0.0 25.3 37.9#



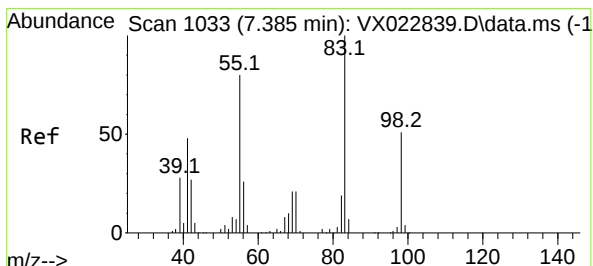
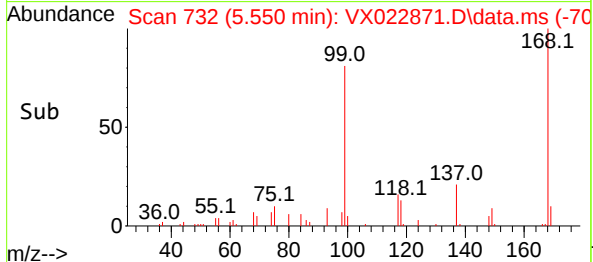
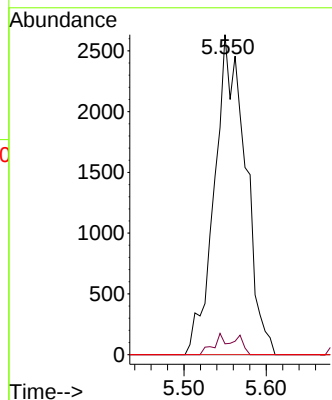


#38
Carbon Tetrachloride
Concen: 6.99 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210618

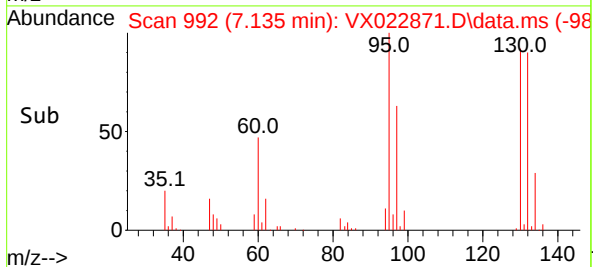
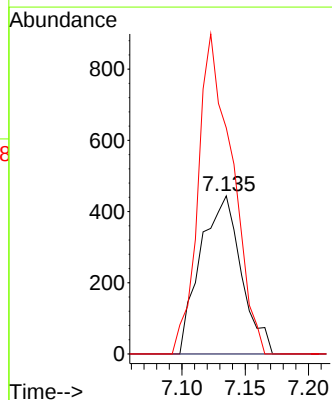
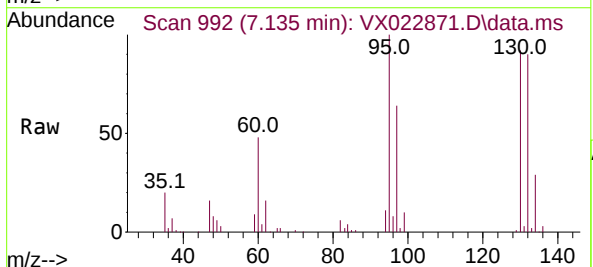


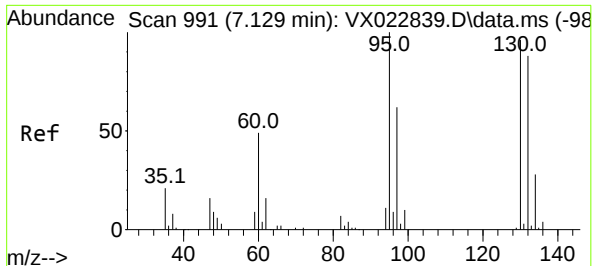
Tgt Ion:117 Resp: 6890
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.73 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

Tgt Ion: 83 Resp: 995
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 143.0 38.1 57.1#

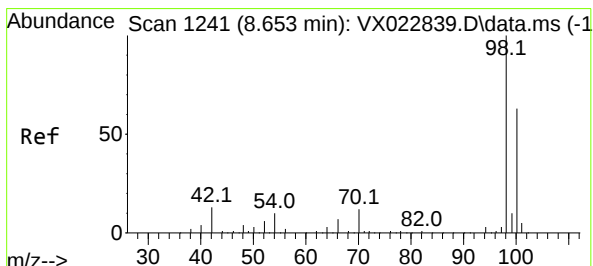
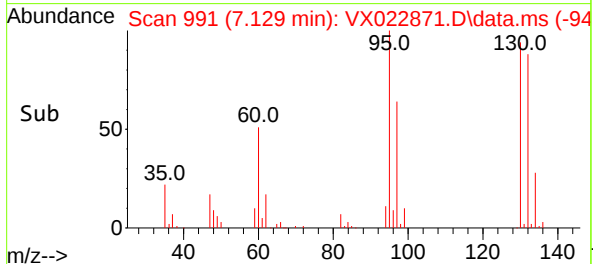
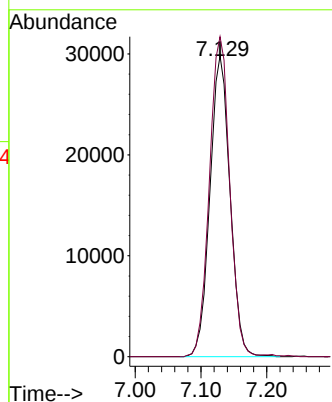
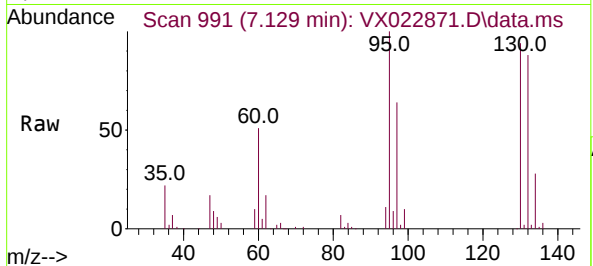




#44
Trichloroethene
Concen: 79.03 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

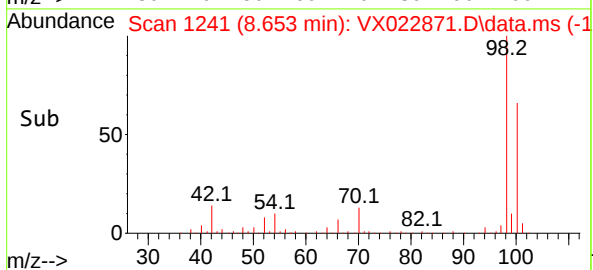
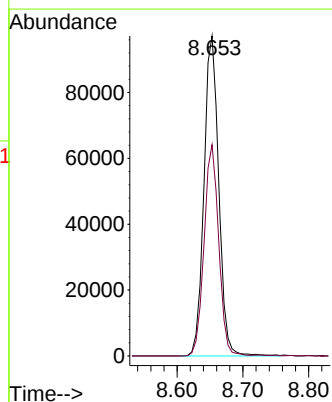
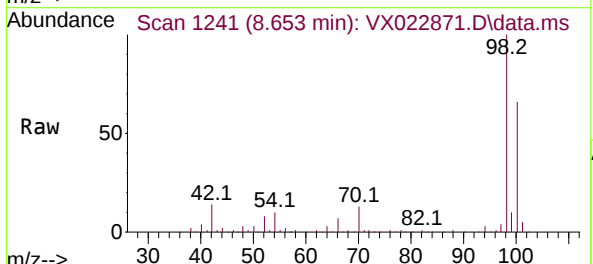
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210618

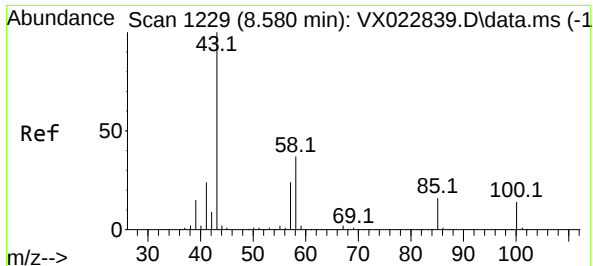
Tgt Ion:130 Resp: 63484
Ion Ratio Lower Upper
130 100
95 106.4 0.0 198.0



#50
Toluene-d8
Concen: 55.12 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

Tgt Ion: 98 Resp: 151723
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9

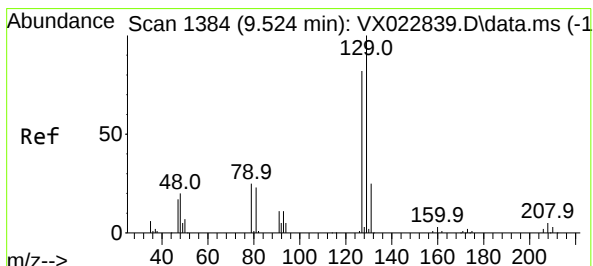
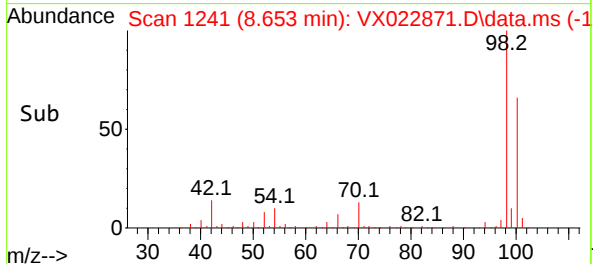
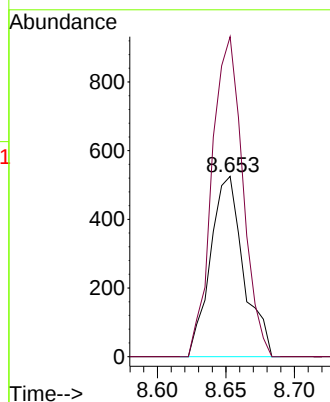
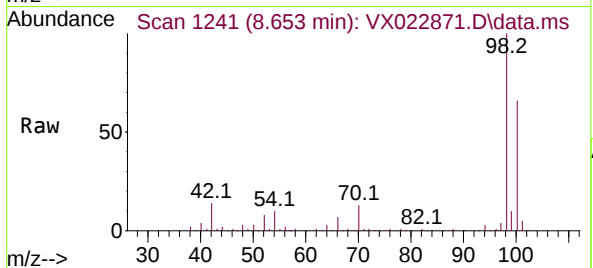




#51
4-Methyl-2-Pentanone
Concen: 0.65 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

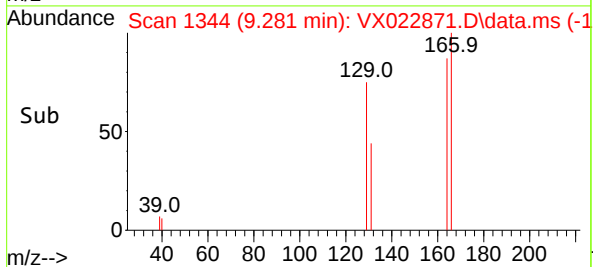
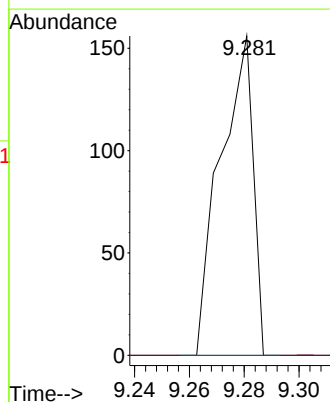
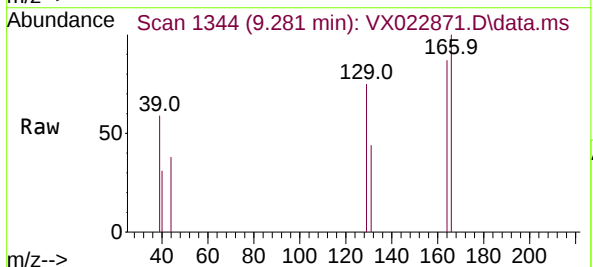
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210618

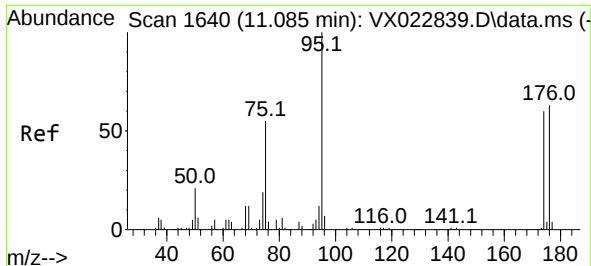
Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
58 164.7 35.4 53.0#



#60
Dibromochloromethane
Concen: 3.80 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.243 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

Tgt Ion: 129 Resp: 129
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

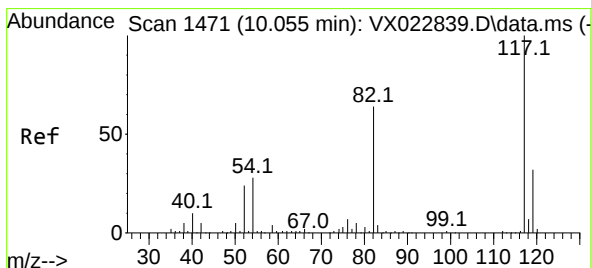
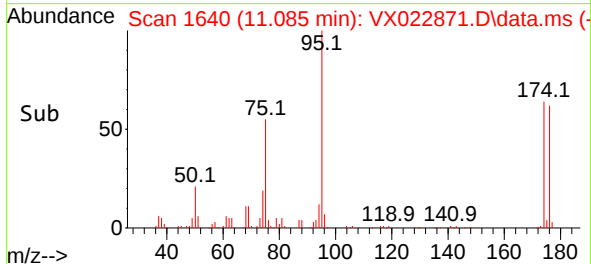
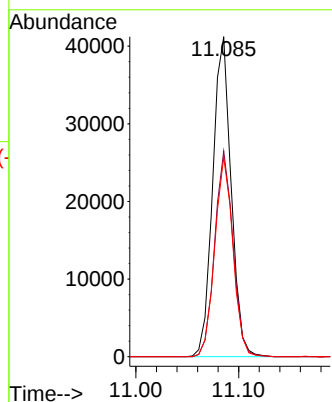
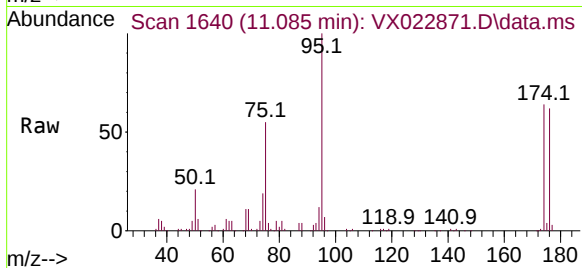




#62
4-Bromofluorobenzene
Concen: 49.96 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

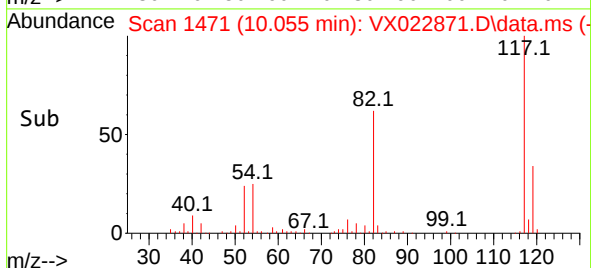
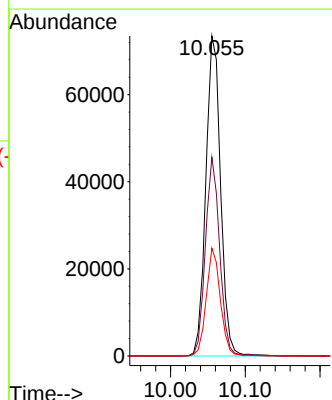
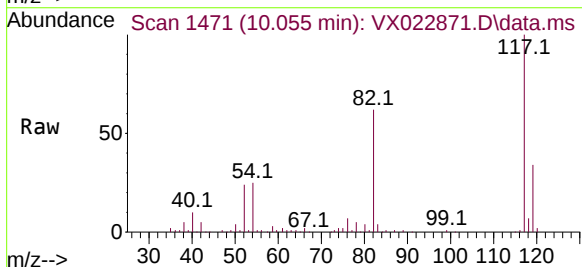
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210618

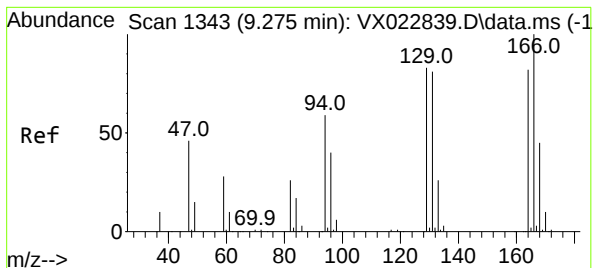
Tgt Ion: 95 Resp: 51322
Ion Ratio Lower Upper
95 100
174 63.9 0.0 154.6
176 61.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

Tgt Ion: 117 Resp: 100774
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 33.7 26.6 39.8





#64

Tetrachloroethene

Concen: 0.20 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX022871.D

Acq: 24 Jun 2021 15:51

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20210618

Tgt Ion:164 Resp: 143

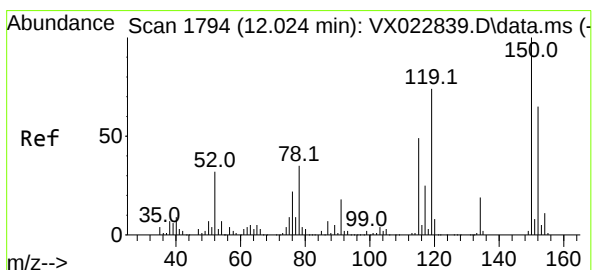
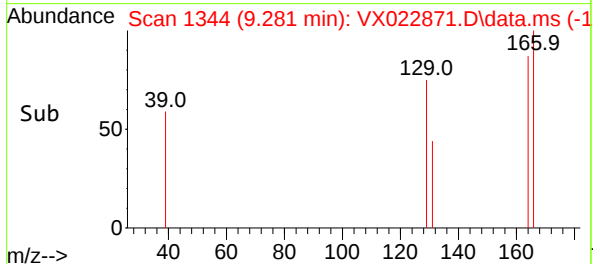
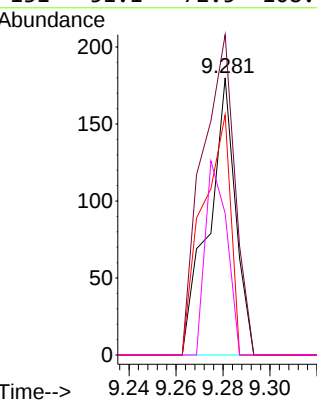
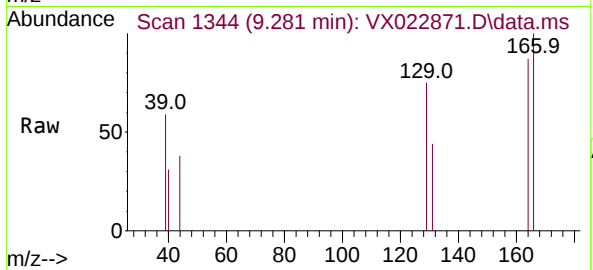
Ion Ratio Lower Upper

164 100

166 115.6 103.4 155.2

129 86.7 70.8 106.2

131 51.1 72.5 108.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX022871.D

Acq: 24 Jun 2021 15:51

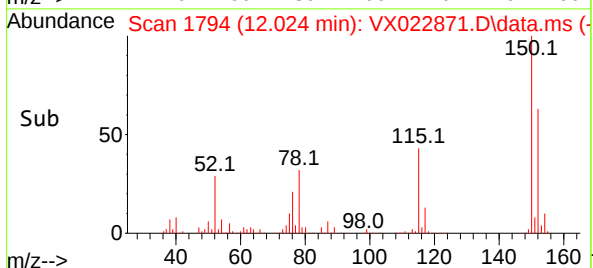
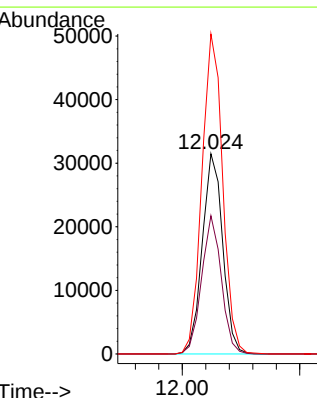
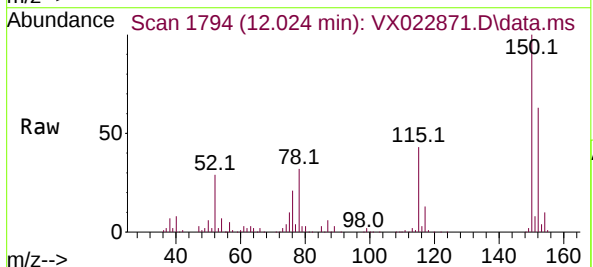
Tgt Ion:152 Resp: 37971

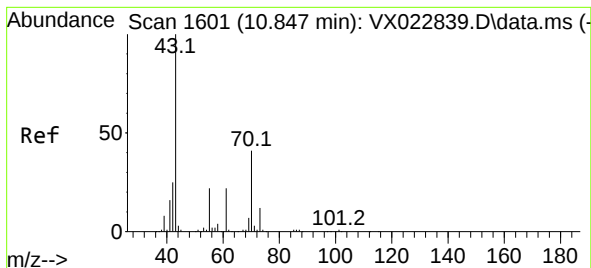
Ion Ratio Lower Upper

152 100

115 66.5 41.1 123.3

150 162.2 0.0 349.0

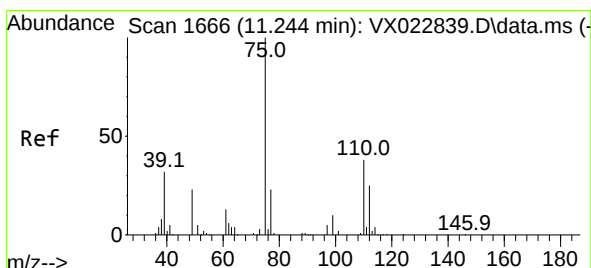
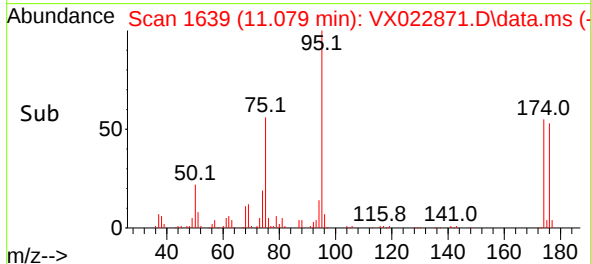
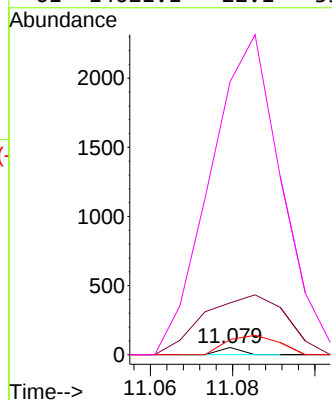
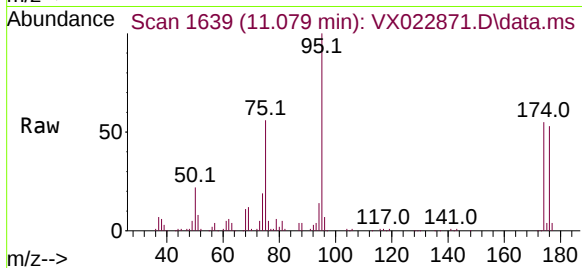




#74
N-amy1 acetate
Concen: 2.06 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.232 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

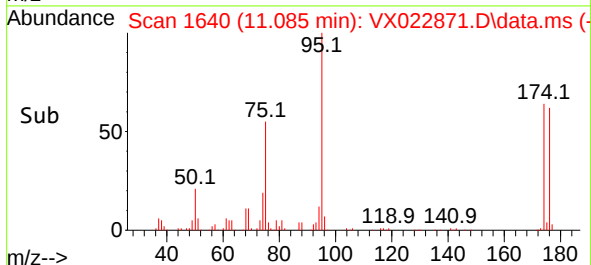
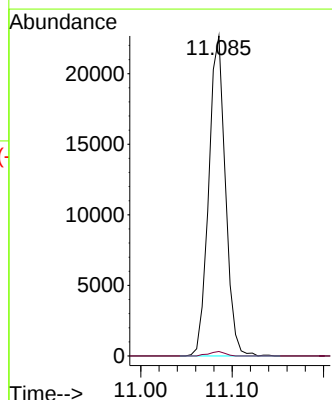
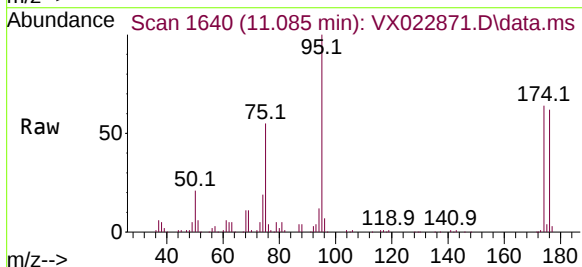
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20210618

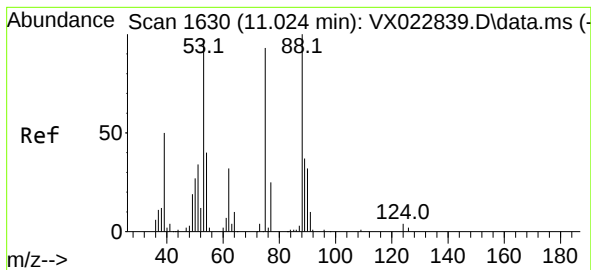
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
70 3210.5 39.0 58.6#
55 652.6 21.5 32.3#
61 14621.1 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 28.58 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022871.D
Acq: 24 Jun 2021 15:51

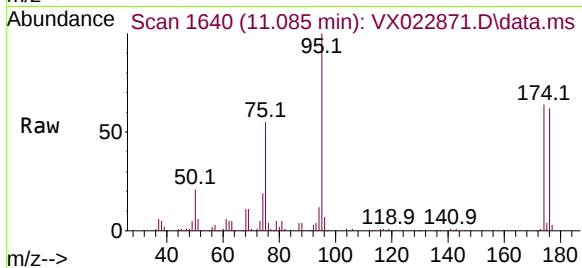
Tgt Ion: 75 Resp: 28664
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.65 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX022871.D
 Acq: 24 Jun 2021 15:51

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20210618



Tgt Ion: 75 Resp: 28664
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

