

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062821\
 Data File : VX022971.D
 Acq On : 28 Jun 2021 11:54
 Operator : JC/MD
 Sample : M2838-19DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20210622DL

Quant Time: Jun 29 03:04:18 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)

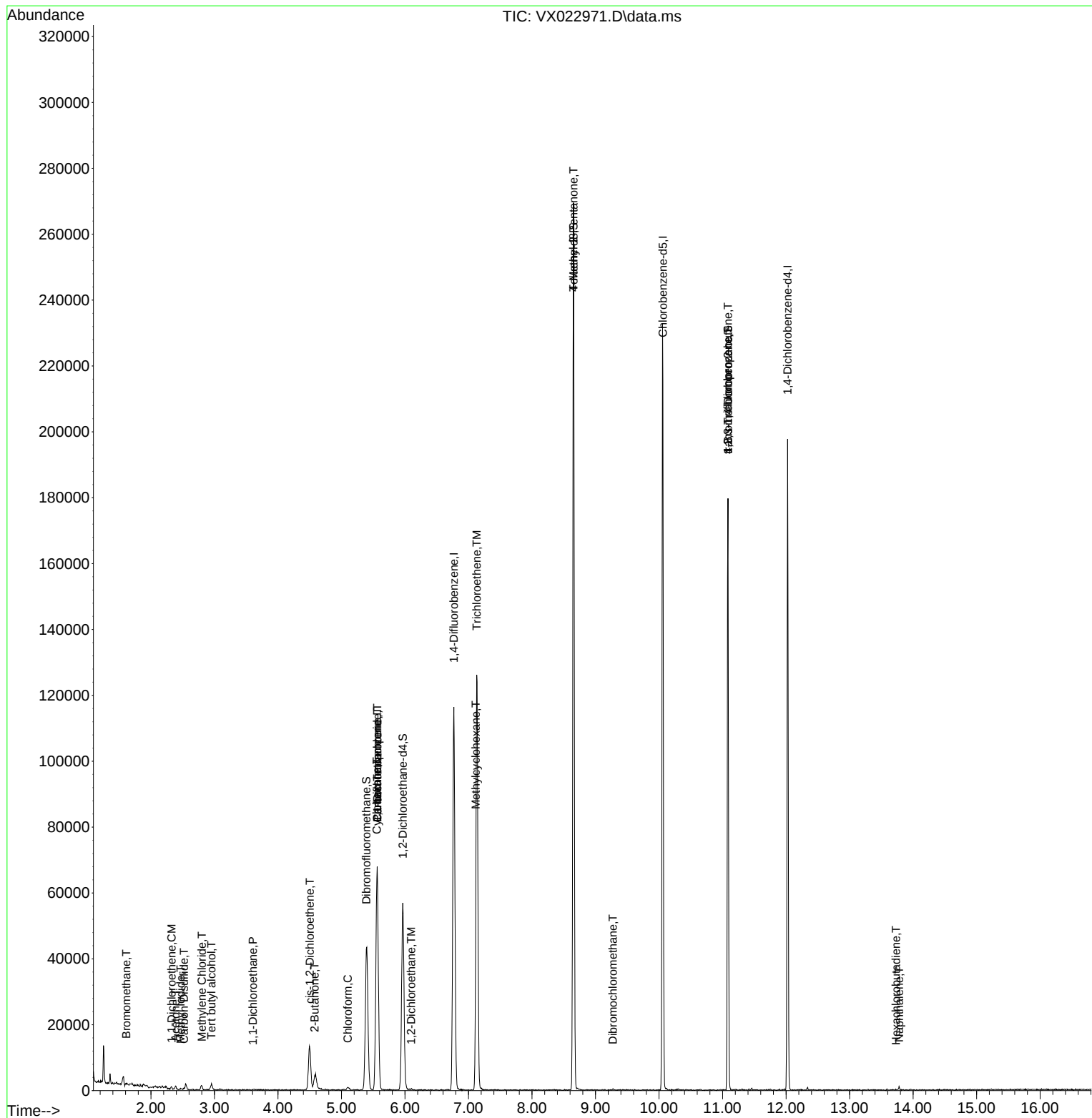
Internal Standards						
1) Pentafluorobenzene	5.562	168	54390	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	109397	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	95164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	33212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52975	53.669	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.340%			
35) Dibromofluoromethane	5.391	113	37191	53.536	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.080%			
50) Toluene-d8	8.653	98	146263	53.721	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.440%			
62) 4-Bromofluorobenzene	11.085	95	46888	46.144	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.280%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	382	0.892	ug/l	# 48
10) Methyl Iodide	2.465	142	393	4.305	ug/l	# 87
11) Tert butyl alcohol	2.953	59	1356	6.592	ug/l	# 73
12) 1,1-Dichloroethene	2.325	96	252	0.357	ug/l	# 84
16) Acetone	2.386	43	1128	2.578	ug/l	# 79
17) Carbon Disulfide	2.520	76	516	3.765	ug/l	# 75
20) Methylene Chloride	2.800	84	637	1.101	ug/l	# 85
24) 1,1-Dichloroethane	3.605	63	405	0.272	ug/l	# 81
25) 2-Butanone	4.574	43	194	0.285	ug/l	# 45
27) cis-1,2-Dichloroethene	4.501	96	7807	8.986	ug/l	96
30) Chloroform	5.099	83	1043	0.696	ug/l	85
31) Cyclohexane	5.556	56	1652	1.185	ug/l	# 6
36) 1,1-Dichloropropene	5.562	75	5675	4.884	ug/l	# 47
38) Carbon Tetrachloride	5.562	117	6559	6.730	ug/l	# 12
39) Methylcyclohexane	7.116	83	627	0.463	ug/l	# 1
42) 1,2-Dichloroethane	6.098	62	516	0.419	ug/l	# 73
44) Trichloroethene	7.129	130	42421	53.387	ug/l	95
51) 4-Methyl-2-Pentanone	8.653	43	963	0.715	ug/l	# 1
60) Dibromochloromethane	9.275	129	64	3.725	ug/l	# 11
76) 1,2,3-Trichloropropane	11.085	75	26742	30.484	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	26742	78.127	ug/l	# 12
94) Hexachlorobutadiene	13.731	225	75	0.314	ug/l	# 19
95) Naphthalene	13.780	128	872	2.232	ug/l	# 73

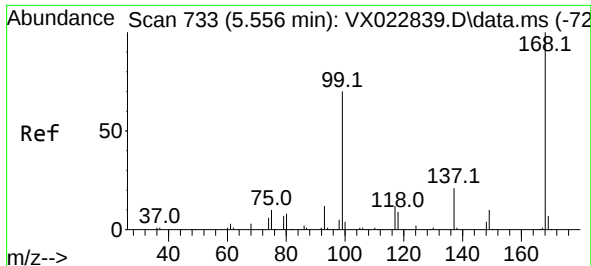
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL

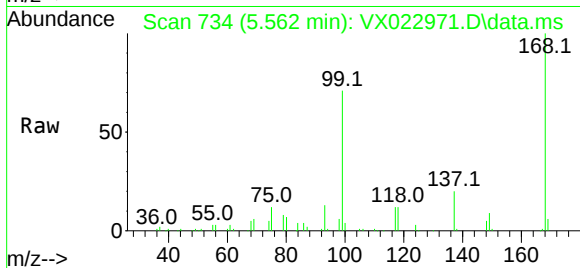
Quant Time: Jun 29 03:04:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
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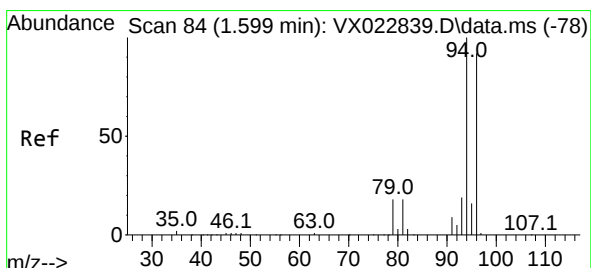
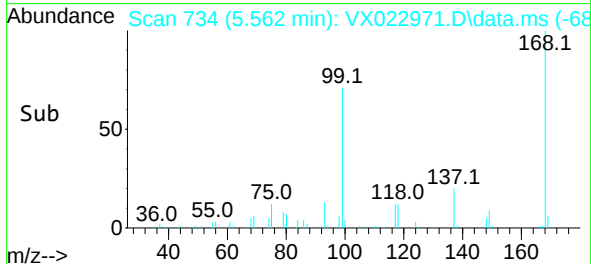
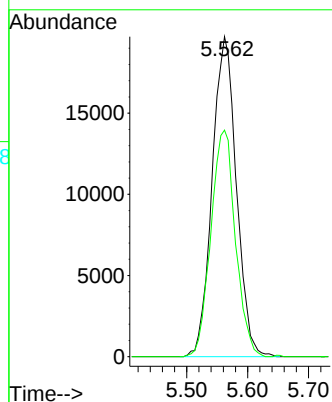


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL

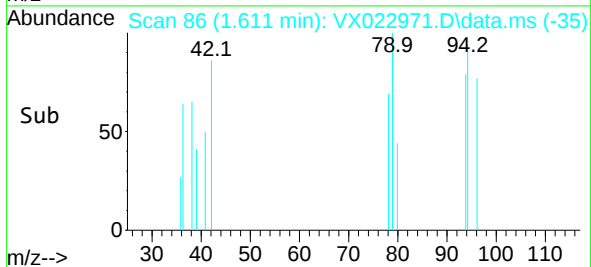
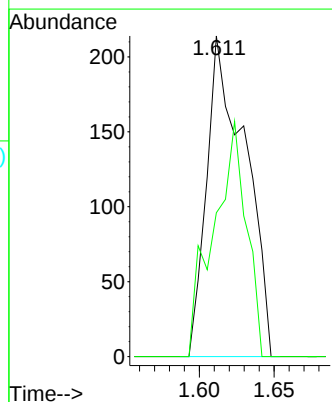
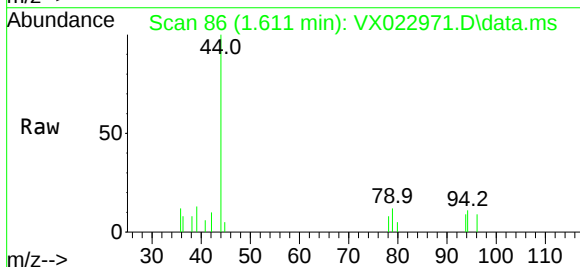


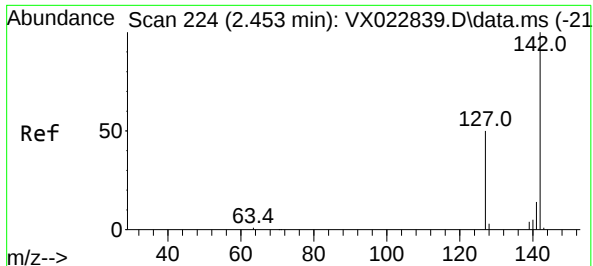
Tgt Ion:168 Resp: 54390
Ion Ratio Lower Upper
168 100
99 70.8 45.8 68.6#



#5
Bromomethane
Concen: 0.892 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

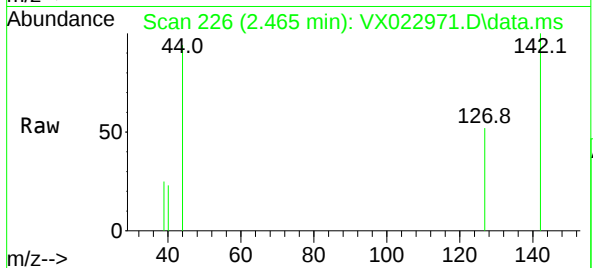
Tgt Ion: 94 Resp: 382
Ion Ratio Lower Upper
94 100
96 44.9 76.4 114.6#



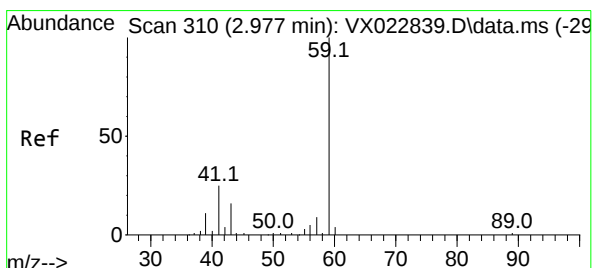
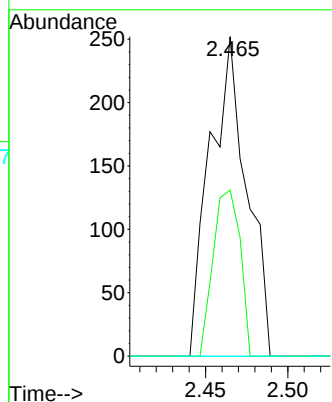
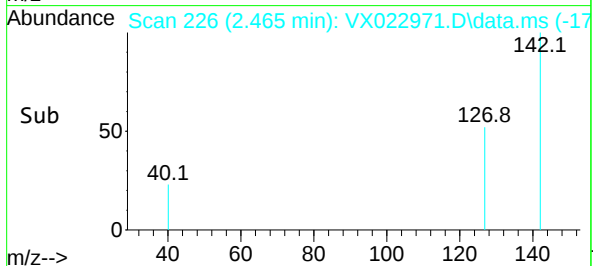


#10
Methyl Iodide
Concen: 4.305 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

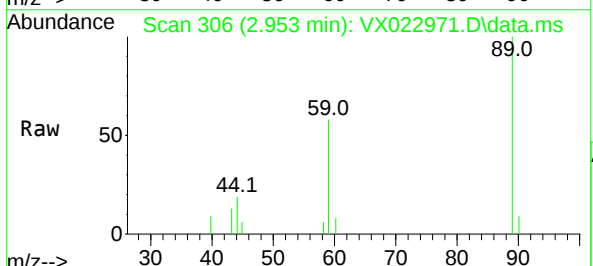
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL



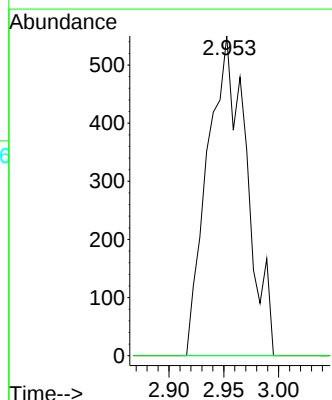
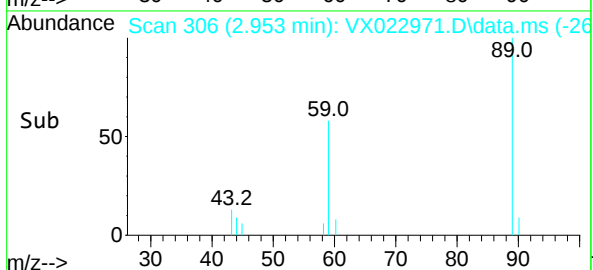
Tgt Ion:142 Resp: 393
Ion Ratio Lower Upper
142 100
127 37.9 33.3 49.9
141 0.0 11.4 17.0#

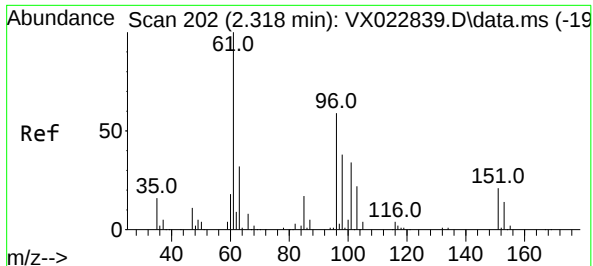


#11
Tert butyl alcohol
Concen: 6.592 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54



Tgt Ion: 59 Resp: 1356
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.357 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX022971.D

Acq: 28 Jun 2021 11:54

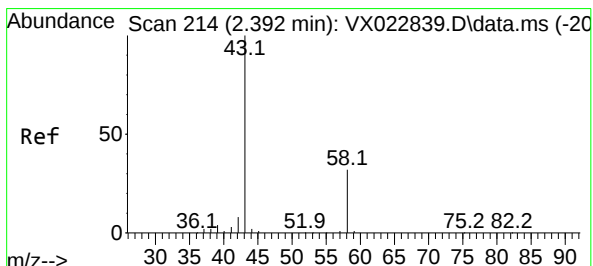
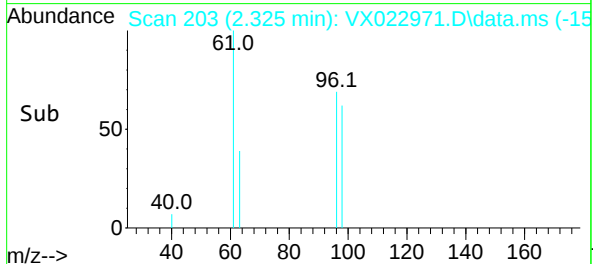
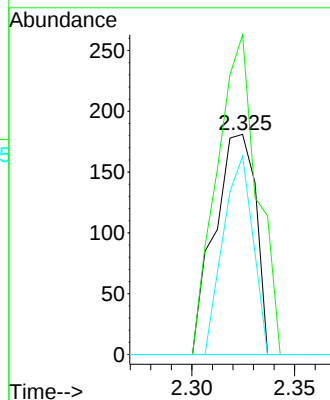
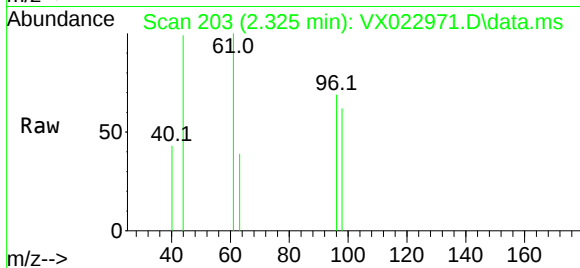
Tgt Ion: 96 Resp: 252

Ion Ratio Lower Upper

96 100

61 145.3 124.6 187.0

98 90.1 50.6 76.0#



#16

Acetone

Concen: 2.578 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX022971.D

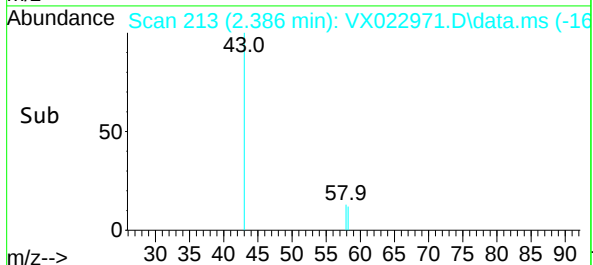
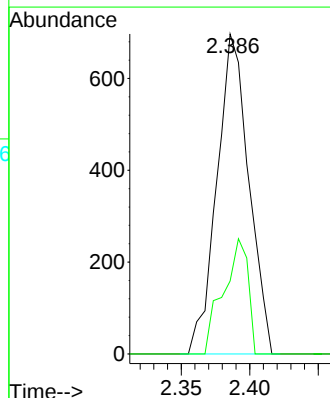
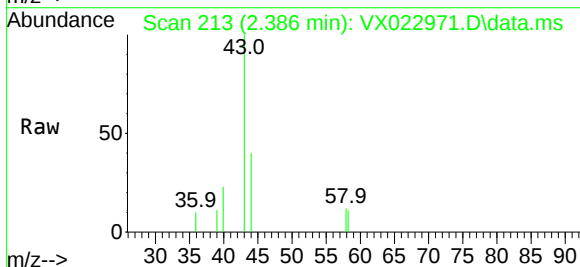
Acq: 28 Jun 2021 11:54

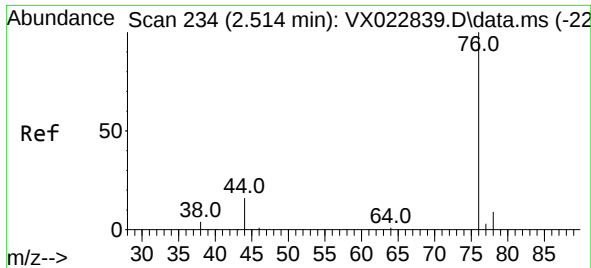
Tgt Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

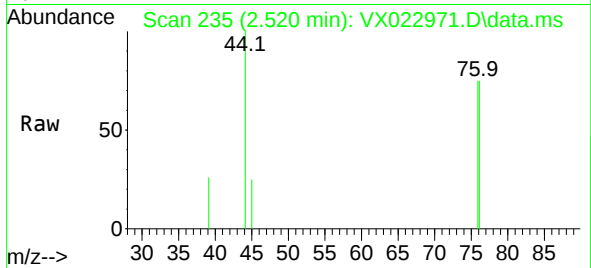
58 22.8 27.8 41.8#



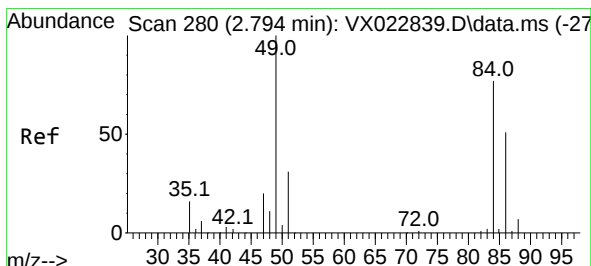
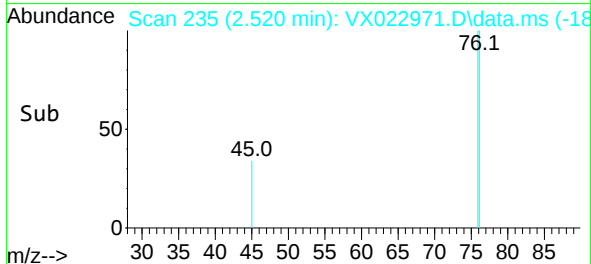
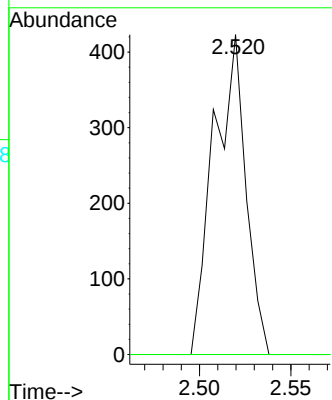


#17
Carbon Disulfide
Concen: 3.765 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL

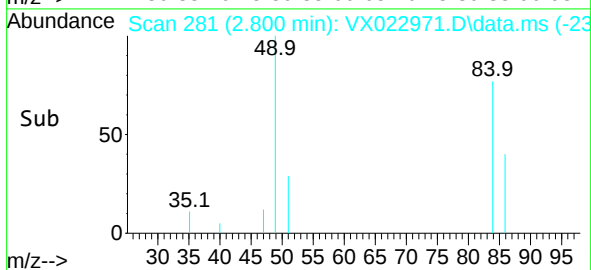
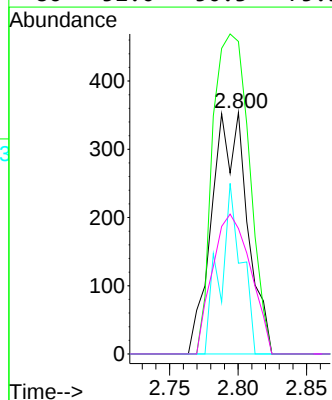
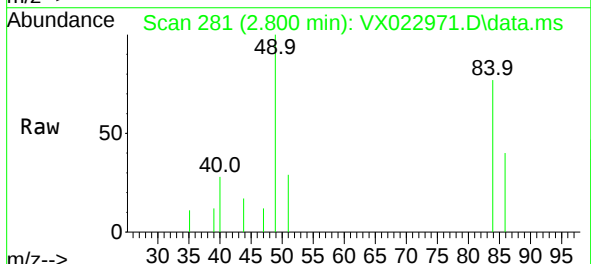


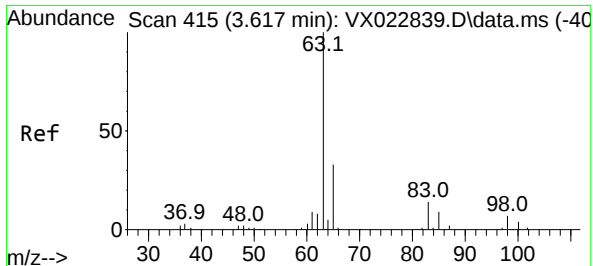
Tgt Ion: 76 Resp: 516
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 1.101 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Tgt Ion: 84 Resp: 637
Ion Ratio Lower Upper
84 100
49 129.4 88.6 132.8
51 37.6 27.0 40.6
86 52.0 50.3 75.5





#24

1,1-Dichloroethane

Concen: 0.272 ug/l

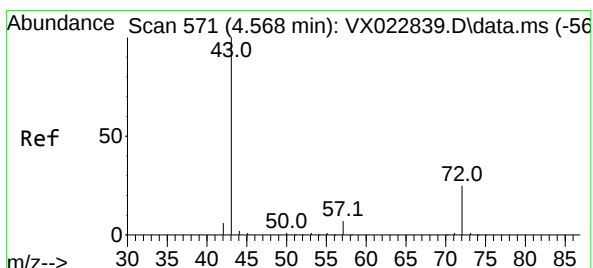
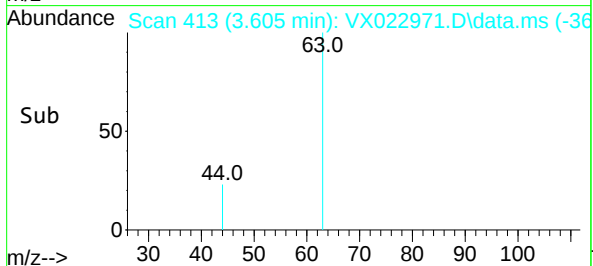
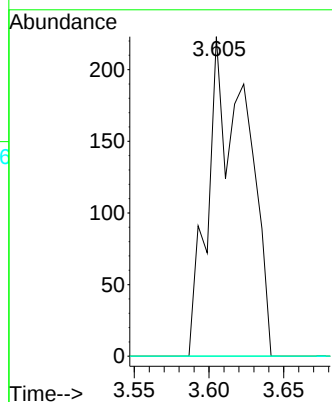
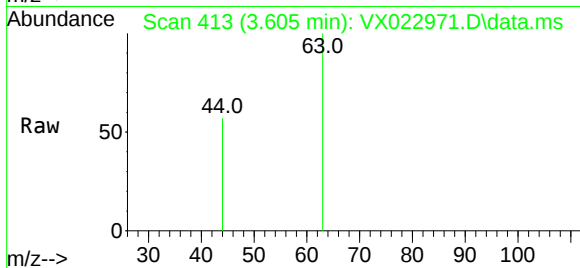
RT: 3.605 min Scan# 413

Delta R.T. -0.012 min

Lab File: VX022971.D

Acq: 28 Jun 2021 11:54

Tgt Ion:	63	Resp:	405
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.5	7.5#



#25

2-Butanone

Concen: 0.285 ug/l

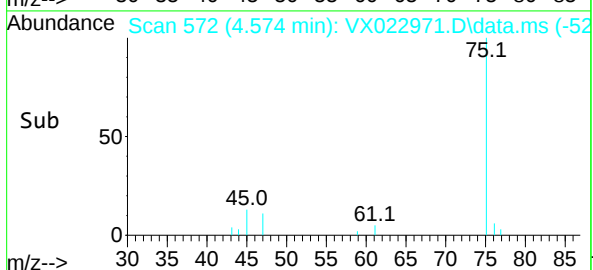
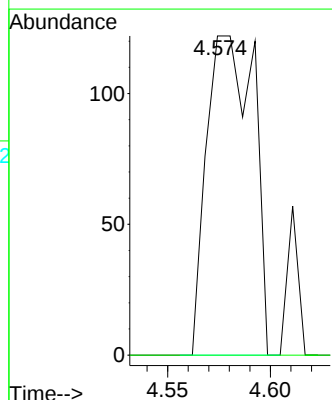
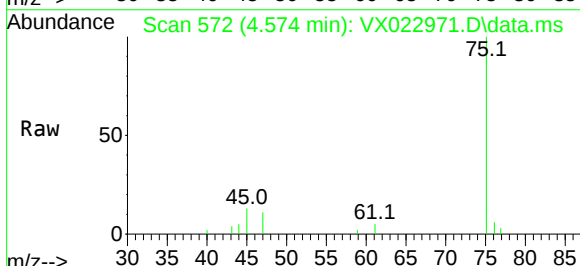
RT: 4.574 min Scan# 572

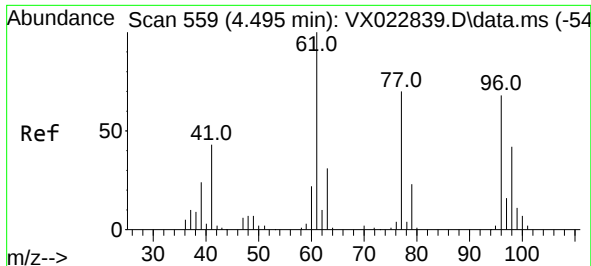
Delta R.T. 0.006 min

Lab File: VX022971.D

Acq: 28 Jun 2021 11:54

Tgt Ion:	43	Resp:	194
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#27

cis-1,2-Dichloroethene

Concen: 8.986 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX022971.D

Acq: 28 Jun 2021 11:54

Tgt Ion: 96 Resp: 7807

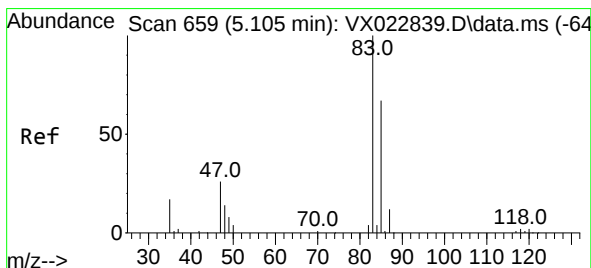
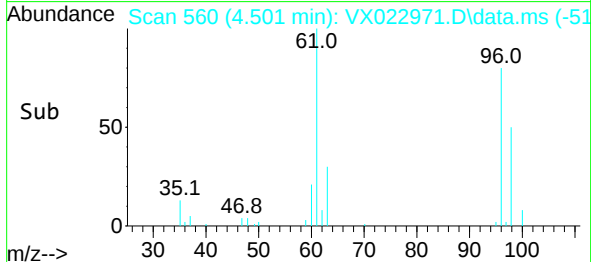
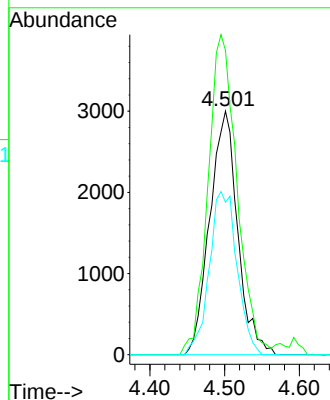
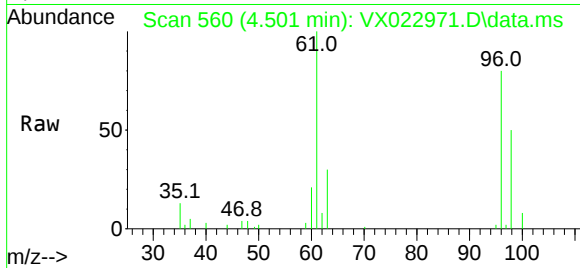
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	285.6
98	66.5	0.0	129.6

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#30

Chloroform

Concen: 0.696 ug/l

RT: 5.099 min Scan# 658

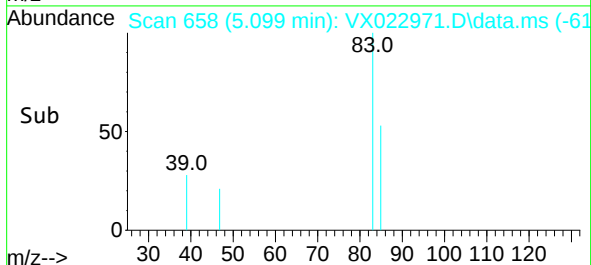
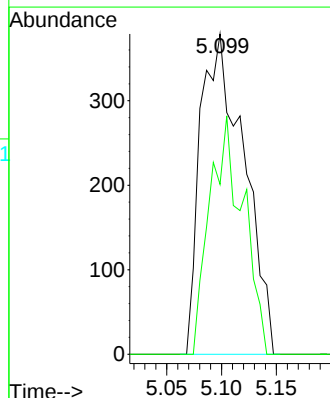
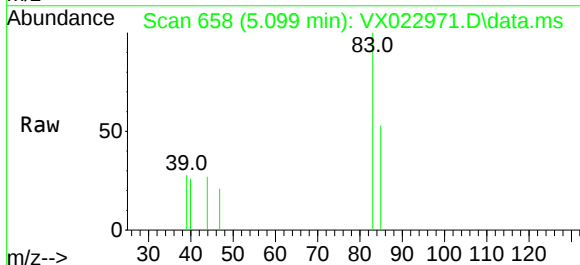
Delta R.T. -0.006 min

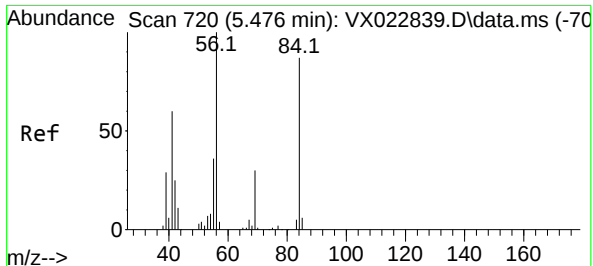
Lab File: VX022971.D

Acq: 28 Jun 2021 11:54

Tgt Ion: 83 Resp: 1043

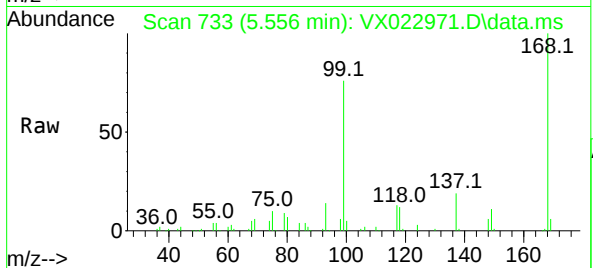
Ion	Ratio	Lower	Upper
83	100		
85	53.0	52.0	78.0



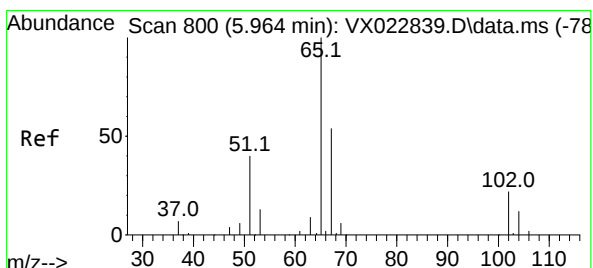
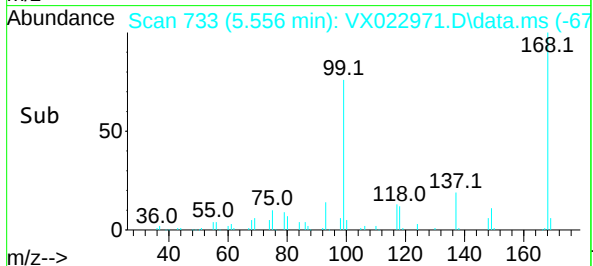
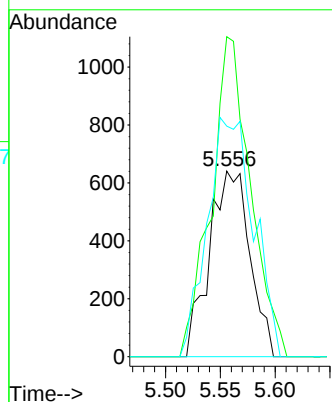


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Instrument :
MSVOA_X
ClientSampleId :
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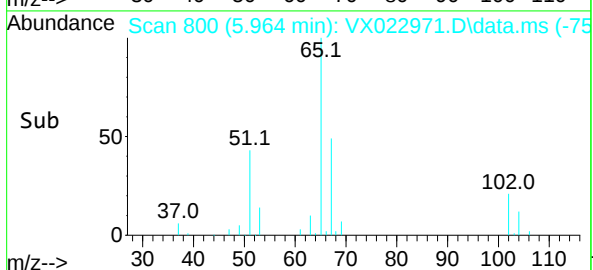
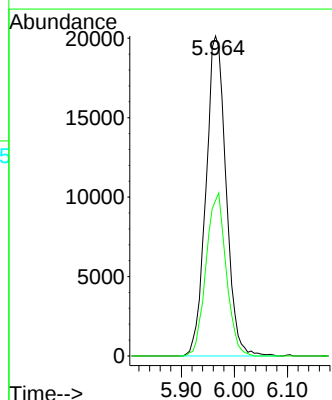
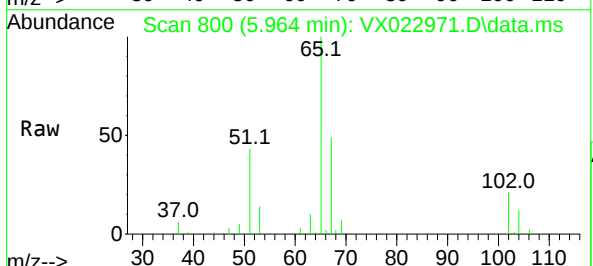


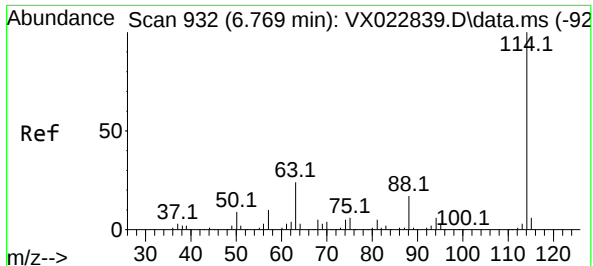
Tgt Ion: 56 Resp: 1652
Ion Ratio Lower Upper
56 100
69 172.4 25.3 37.9#
84 124.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.669 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Tgt Ion: 65 Resp: 52975
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX022971.D

Acq: 28 Jun 2021 11:54

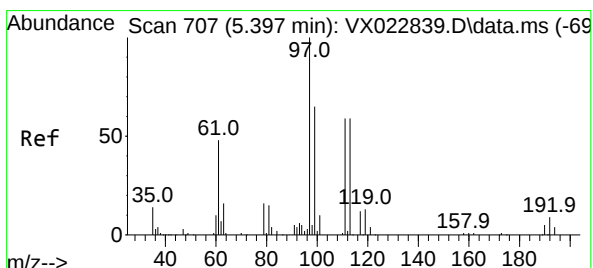
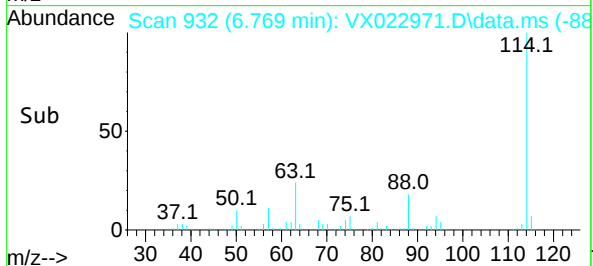
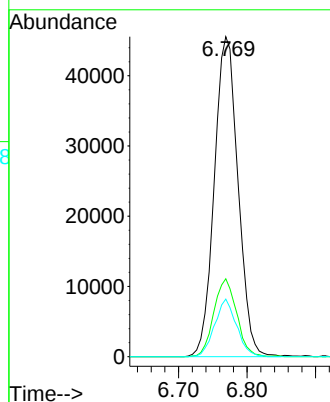
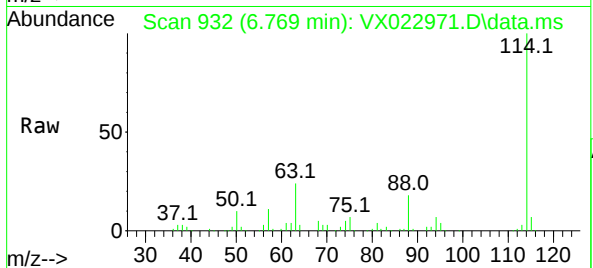
Tgt Ion:114 Resp: 109397

Ion Ratio Lower Upper

114 100

63 24.3 0.0 40.8

88 18.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 53.536 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX022971.D

Acq: 28 Jun 2021 11:54

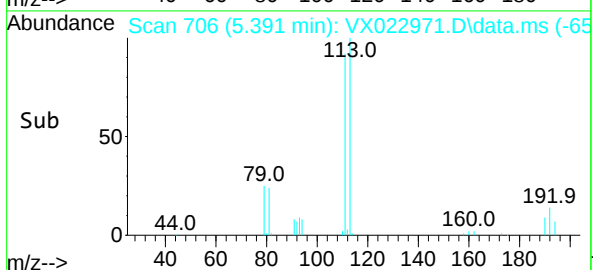
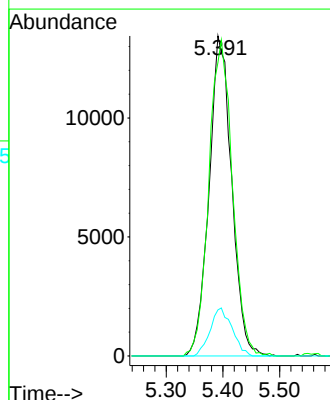
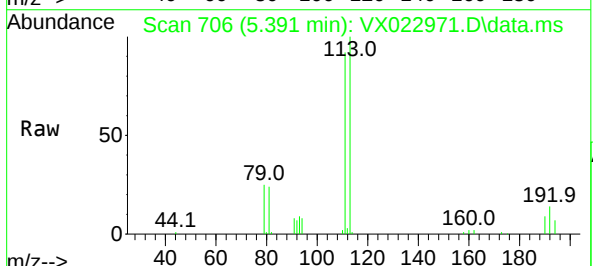
Tgt Ion:113 Resp: 37191

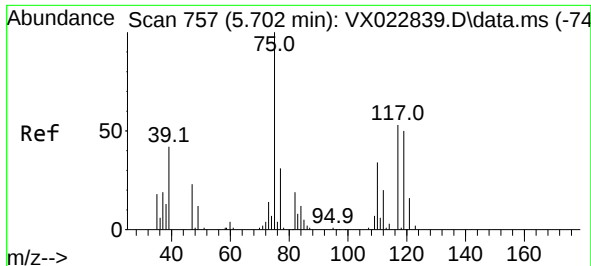
Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

192 14.6 16.7 25.1#

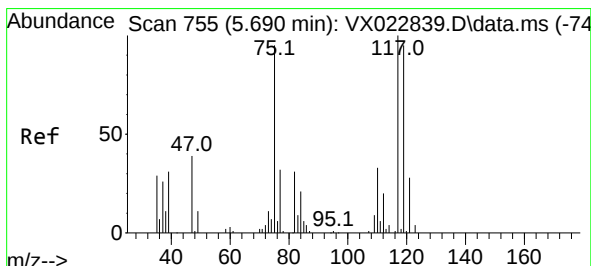
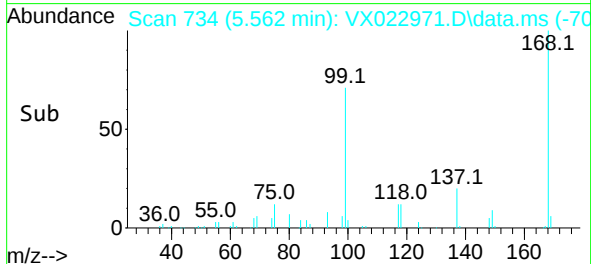
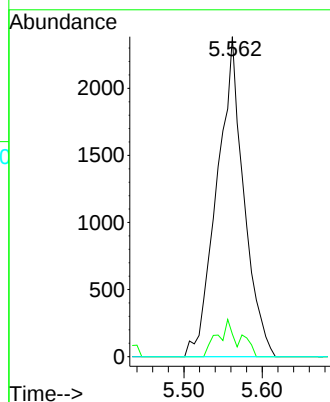
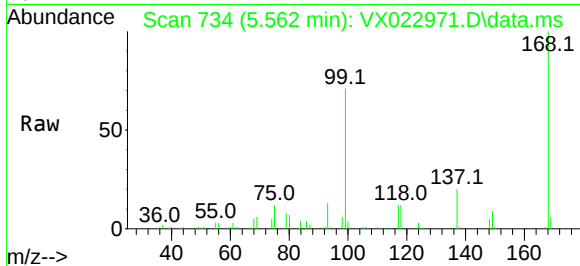




#36
1,1-Dichloropropene
Concen: 4.884 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

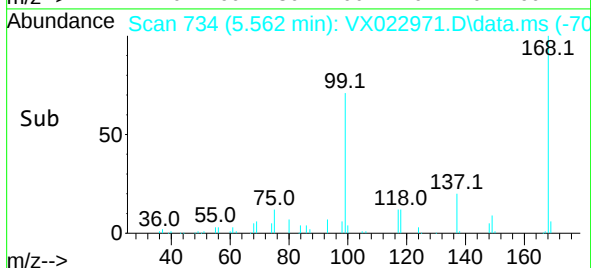
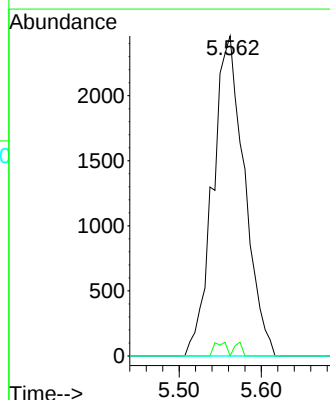
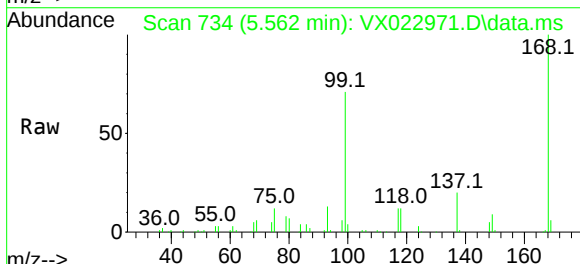
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL

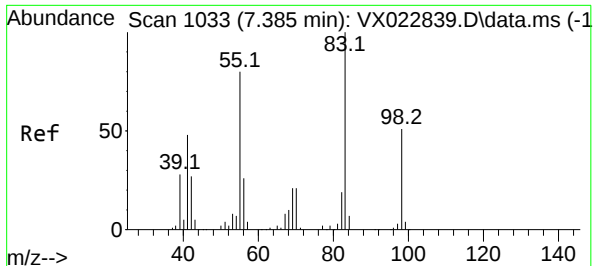
Tgt Ion: 75 Resp: 5675
Ion Ratio Lower Upper
75 100
110 6.7 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.730 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Tgt Ion: 117 Resp: 6559
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.463 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.269 min

Lab File: VX022971.D

Acq: 28 Jun 2021 11:54

Tgt Ion: 83 Resp: 627

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

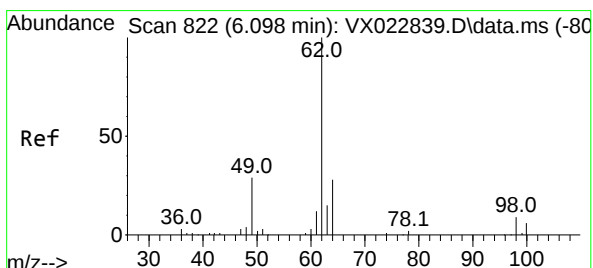
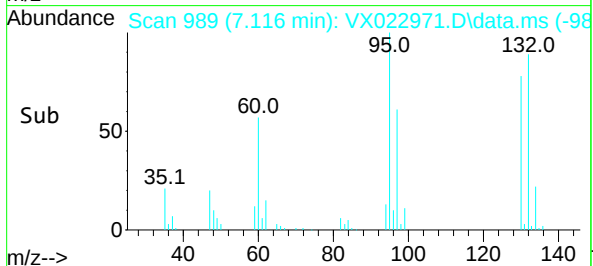
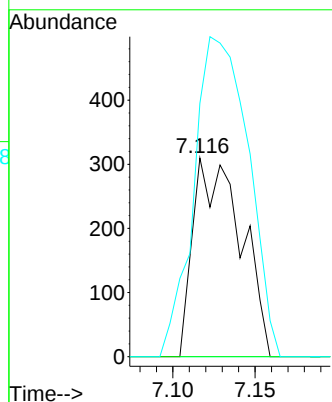
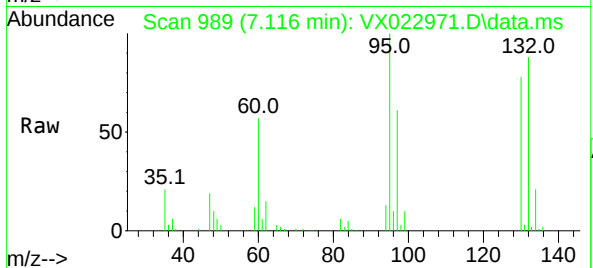
98 127.4 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20210622DL



#42

1,2-Dichloroethane

Concen: 0.419 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.000 min

Lab File: VX022971.D

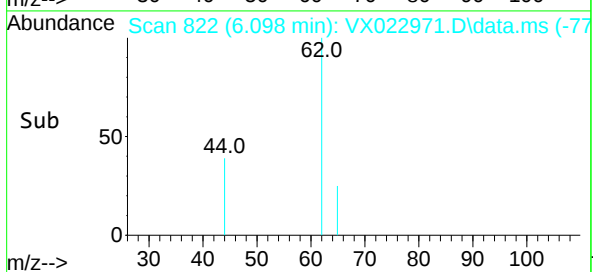
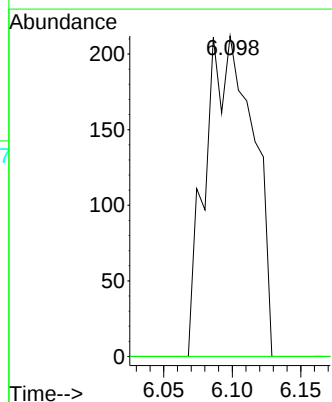
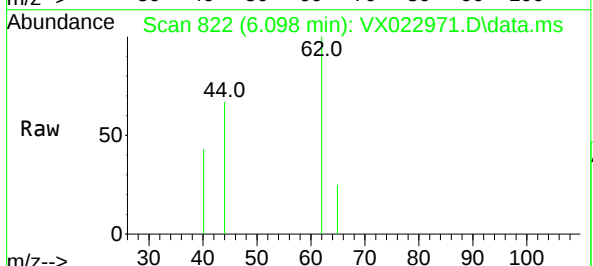
Acq: 28 Jun 2021 11:54

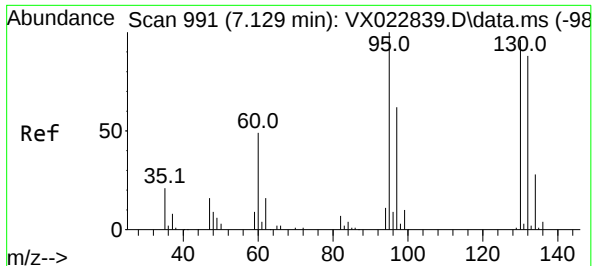
Tgt Ion: 62 Resp: 516

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2

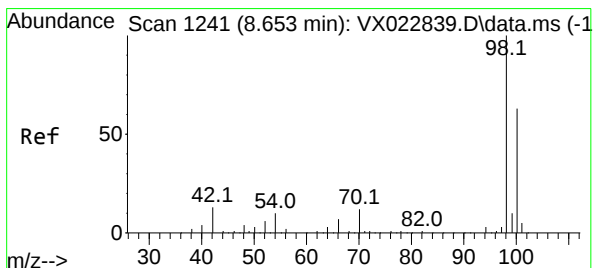
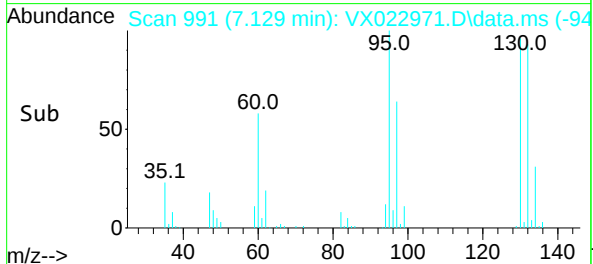
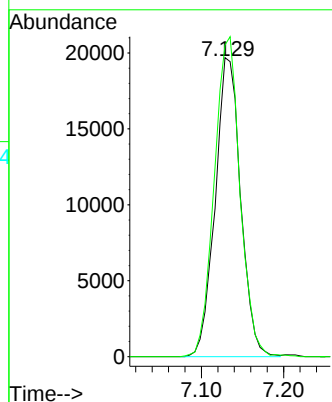
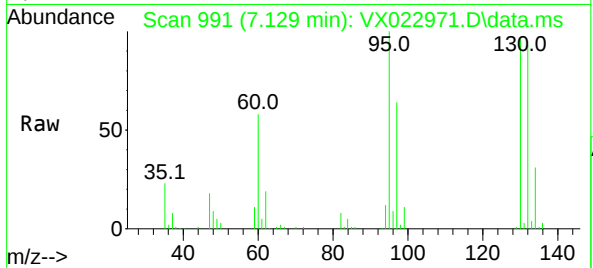




#44
Trichloroethene
Concen: 53.387 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

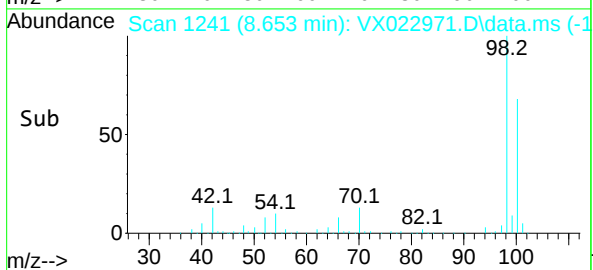
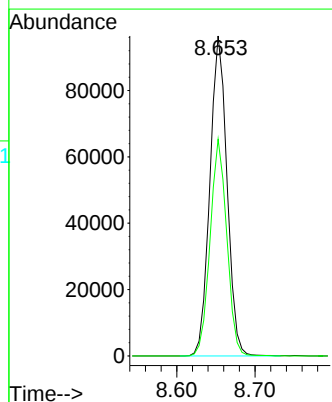
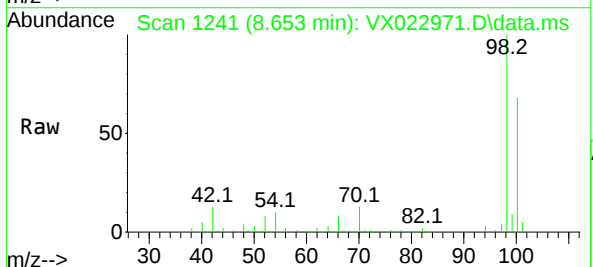
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL

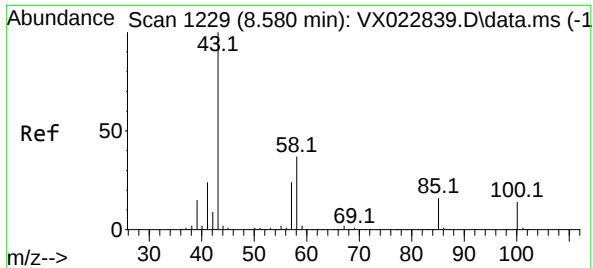
Tgt Ion:130 Resp: 42421
Ion Ratio Lower Upper
130 100
95 104.3 0.0 198.0



#50
Toluene-d8
Concen: 53.721 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Tgt Ion: 98 Resp: 146263
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9

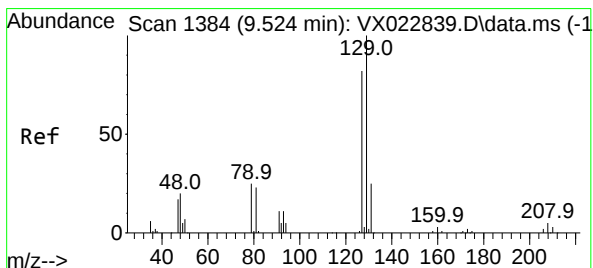
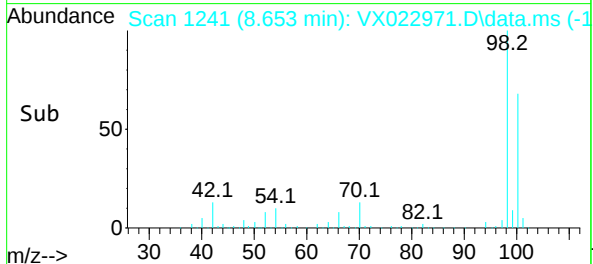
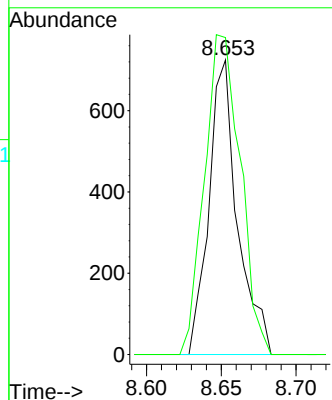
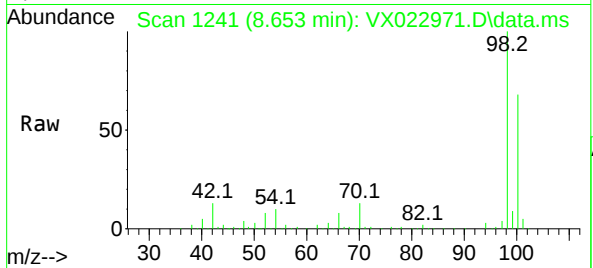




#51
4-Methyl-2-Pentanone
Concen: 0.715 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

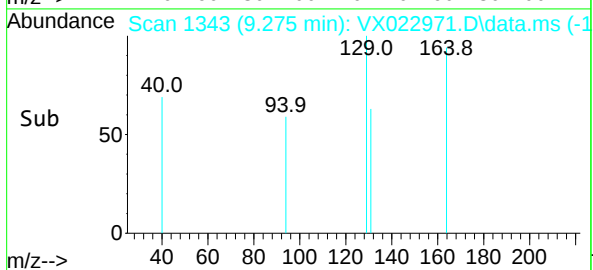
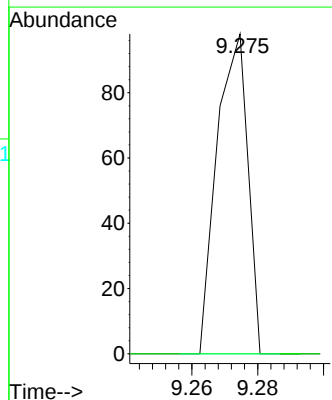
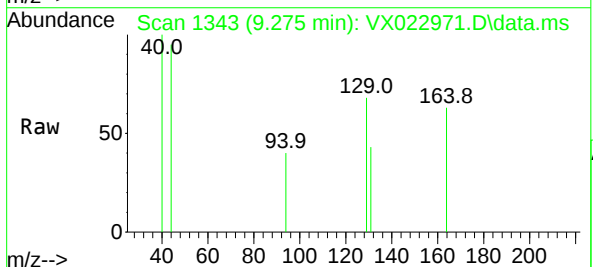
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL

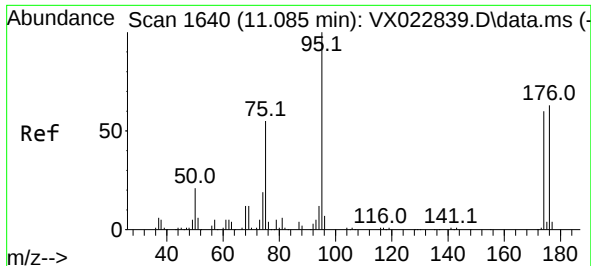
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 136.2 35.4 53.0#



#60
Dibromochloromethane
Concen: 3.725 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Tgt Ion: 129 Resp: 64
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

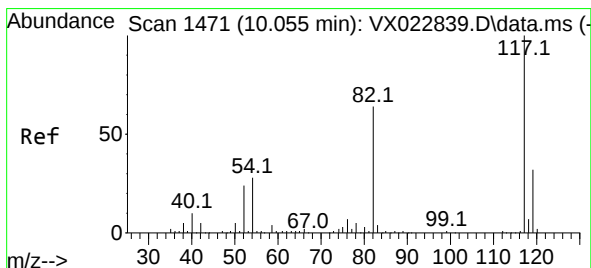
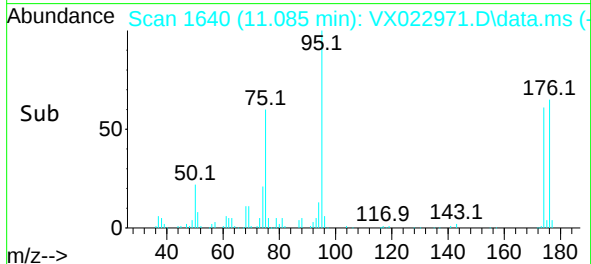
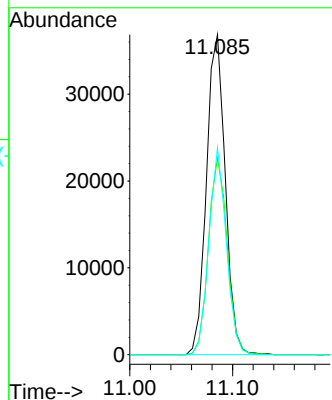
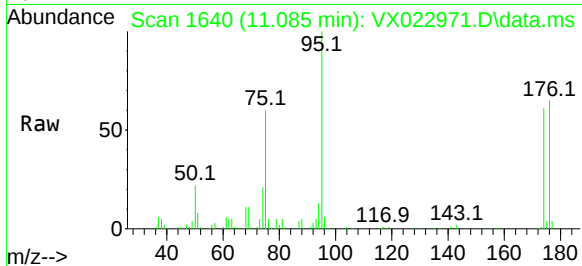




#62
4-Bromofluorobenzene
Concen: 46.144 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

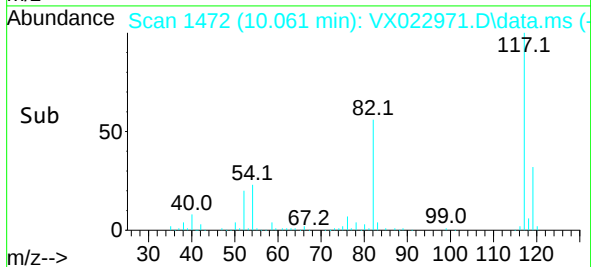
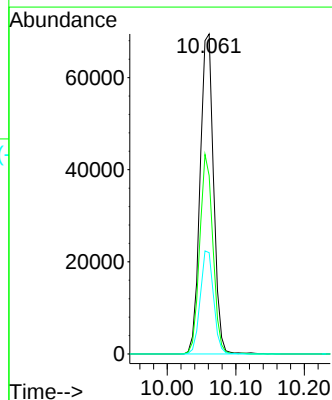
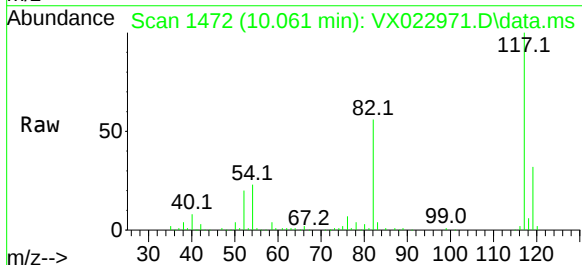
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL

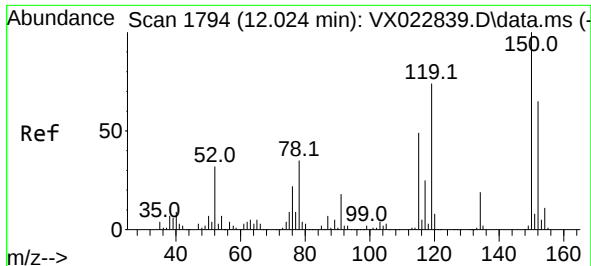
Tgt Ion: 95 Resp: 46888
Ion Ratio Lower Upper
95 100
174 61.5 0.0 154.6
176 59.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Tgt Ion: 117 Resp: 95164
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 31.7 26.6 39.8

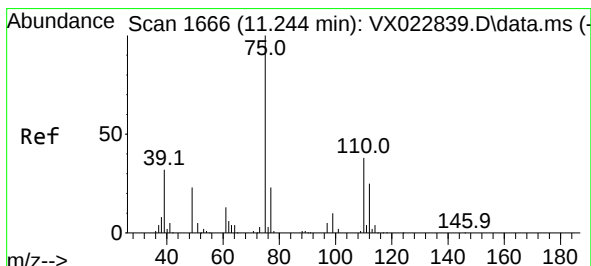
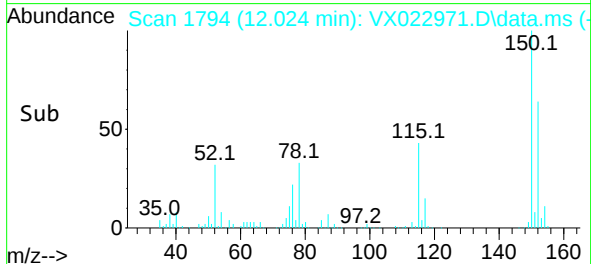
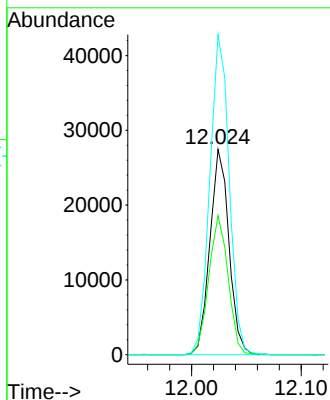
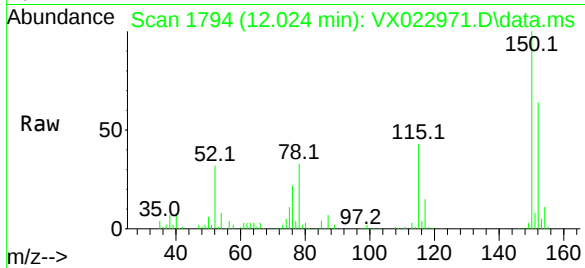




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022971.D
 Acq: 28 Jun 2021 11:54

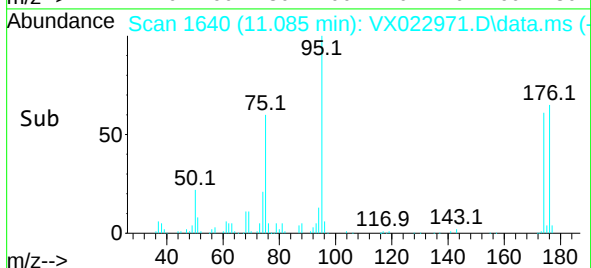
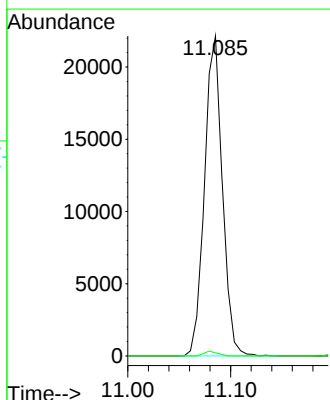
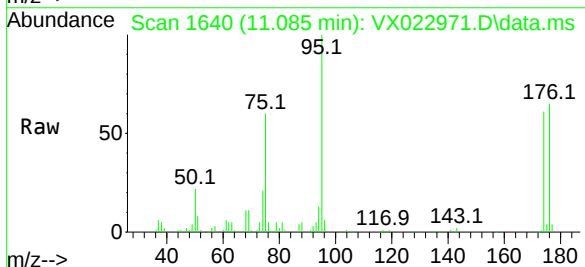
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20210622DL

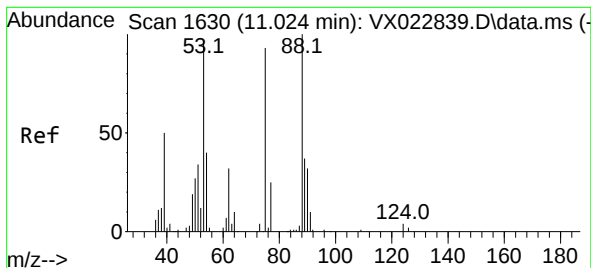
Tgt Ion:152 Resp: 33212
 Ion Ratio Lower Upper
 152 100
 115 68.5 41.1 123.3
 150 158.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 30.484 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022971.D
 Acq: 28 Jun 2021 11:54

Tgt Ion: 75 Resp: 26742
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

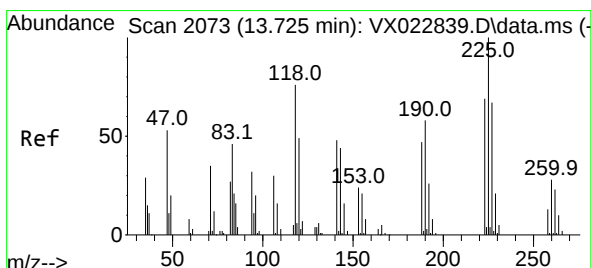
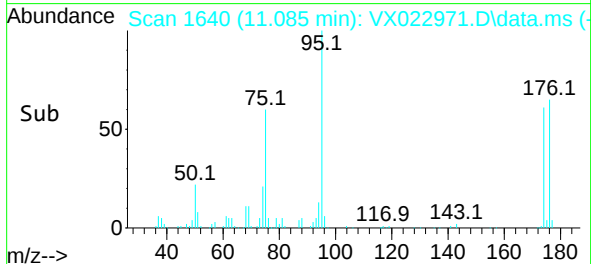
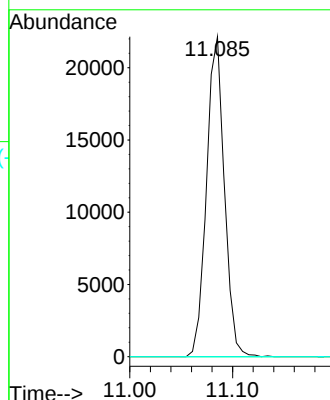
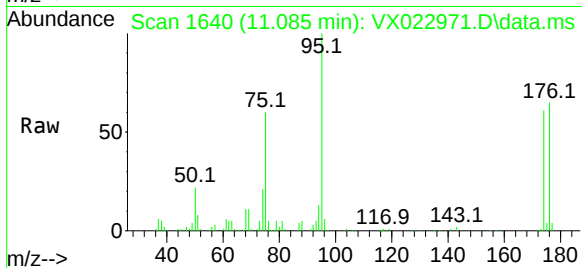




#81
trans-1,4-Dichloro-2-butene
Concen: 78.127 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

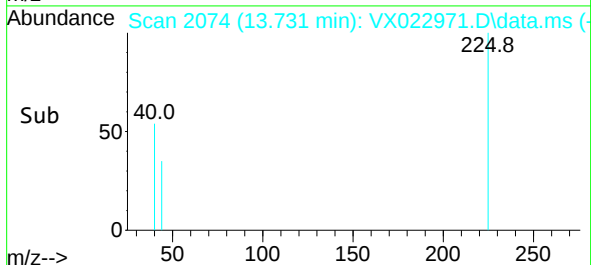
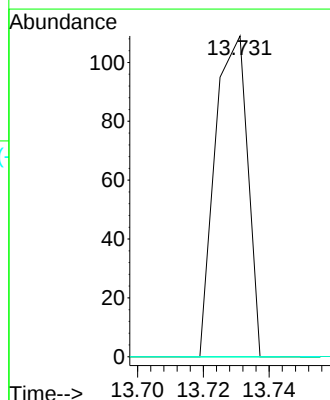
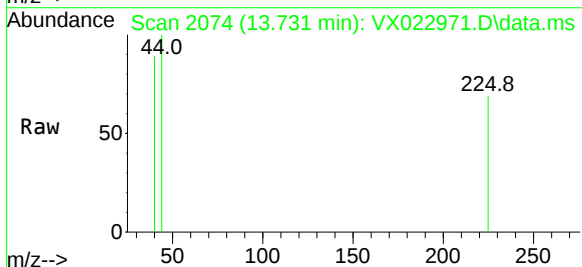
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL

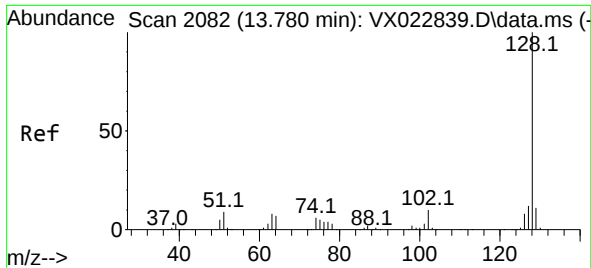
Tgt Ion: 75 Resp: 26742
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 0.314 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Tgt Ion: 225 Resp: 75
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 0.0 31.6 95.0#





#95
Naphthalene
Concen: 2.232 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022971.D
Acq: 28 Jun 2021 11:54

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20210622DL

Tgt Ion:128 Resp: 872
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.1 8.8 13.2#

