

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021629.D
 Acq On : 30 Mar 2021 15:08
 Operator : JC/MD
 Sample : M1867-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GWBR2-95-105-032921-FD

Quant Time: Mar 31 04:58:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

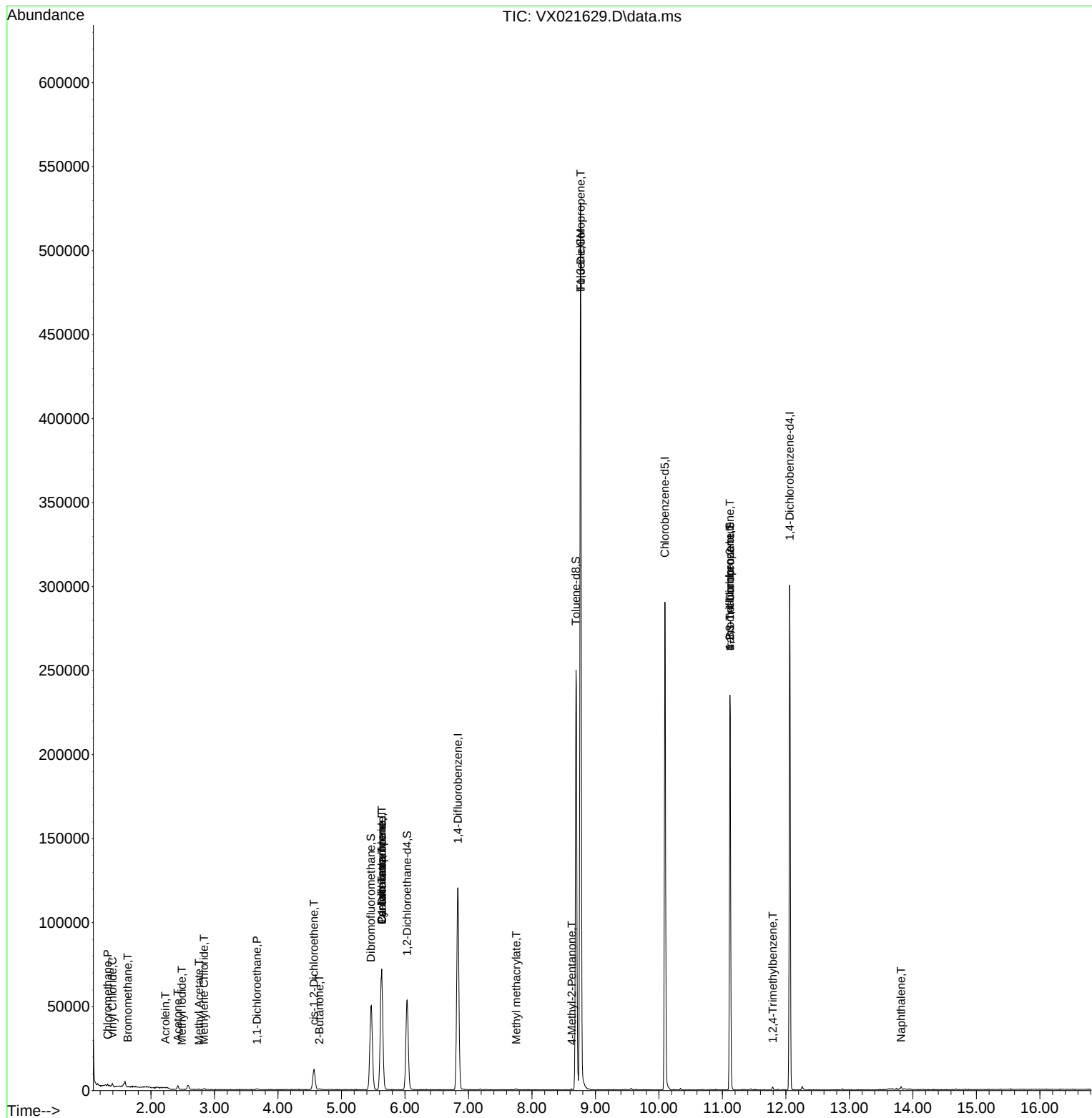
Internal Standards						
1) Pentafluorobenzene	5.635	168	61291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	112153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	118445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	54015	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	53438	52.40	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.80%			
35) Dibromofluoromethane	5.464	113	41706	52.35	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.70%			
50) Toluene-d8	8.694	98	144174	50.79	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.58%			
62) 4-Bromofluorobenzene	11.118	95	61265	55.51	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.02%			
Target Compounds					Qvalue	
3) Chloromethane	1.316	50	1440	1.90	ug/l #	87
4) Vinyl Chloride	1.393	62	892	1.29	ug/l	98
5) Bromomethane	1.634	94	129	0.47	ug/l	84
10) Methyl Iodide	2.487	142	77	6.78	ug/l #	42
13) Acrolein	2.228	56	20	4.53	ug/l #	1
16) Acetone	2.422	43	2154	5.59	ug/l	90
18) Methyl Acetate	2.758	43	268	0.24	ug/l #	47
20) Methylene Chloride	2.834	84	286	0.38	ug/l	93
24) 1,1-Dichloroethane	3.670	63	822	0.63	ug/l #	81
25) 2-Butanone	4.652	43	282	0.48	ug/l #	45
27) cis-1,2-Dichloroethene	4.564	96	7065	8.97	ug/l	96
31) Cyclohexane	5.635	56	1786	1.59	ug/l #	24
36) 1,1-Dichloropropene	5.635	75	5520	5.02	ug/l #	50
38) Carbon Tetrachloride	5.635	117	7001	5.93	ug/l #	17
48) Methyl methacrylate	7.753	41	418	0.38	ug/l #	65
51) 4-Methyl-2-Pentanone	8.629	43	316	0.25	ug/l #	65
52) Toluene	8.765	92	183376	95.14	ug/l	99
53) t-1,3-Dichloropropene	8.765	75	2429	1.92	ug/l #	1
76) 1,2,3-Trichloropropane	11.118	75	34200	27.20	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	34200	82.84	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.794	105	693	0.21	ug/l #	61
95) Naphthalene	13.812	128	1040	0.30	ug/l #	92

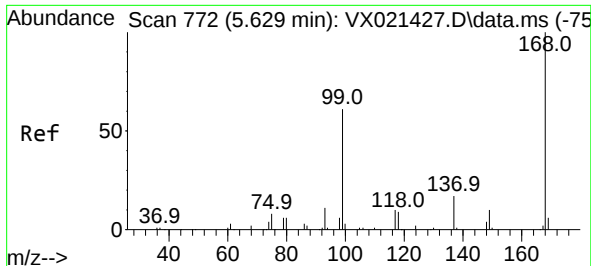
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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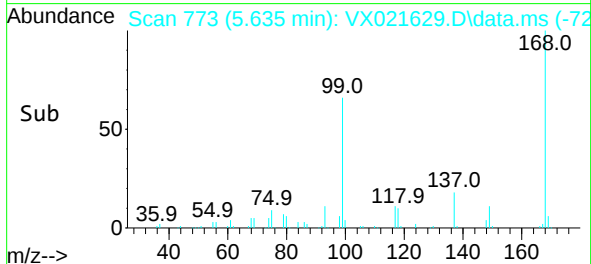
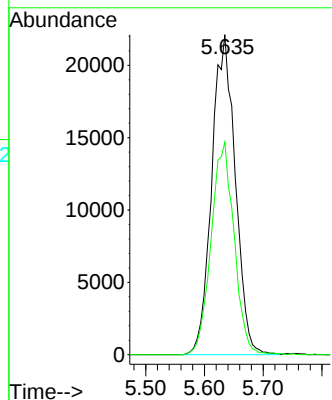
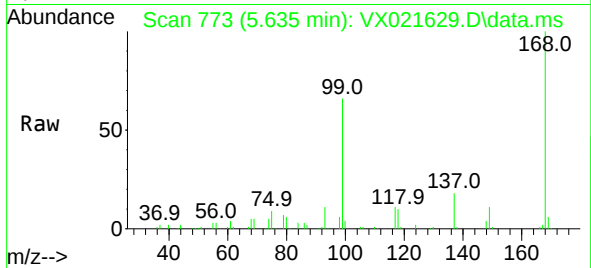




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

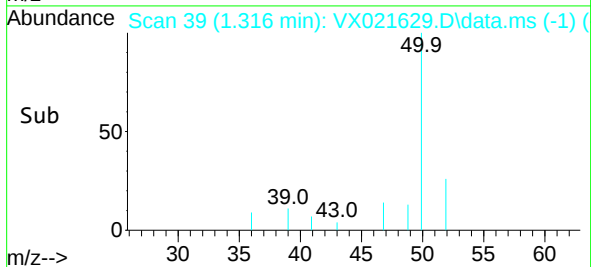
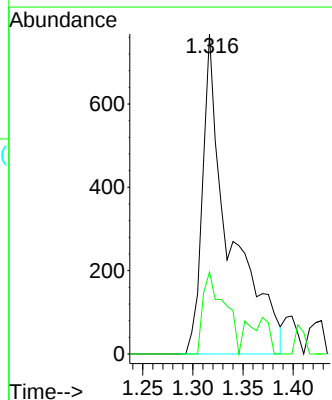
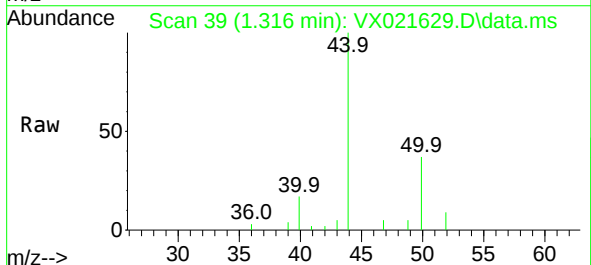
Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD

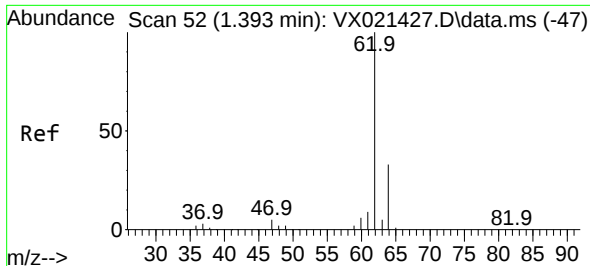
Tgt Ion:168 Resp: 61291
Ion Ratio Lower Upper
168 100
99 66.4 45.8 68.6



#3
Chloromethane
Concen: 1.90 ug/l
RT: 1.316 min Scan# 39
Delta R.T. 0.005 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Tgt Ion: 50 Resp: 1440
Ion Ratio Lower Upper
50 100
52 25.7 26.4 39.6#

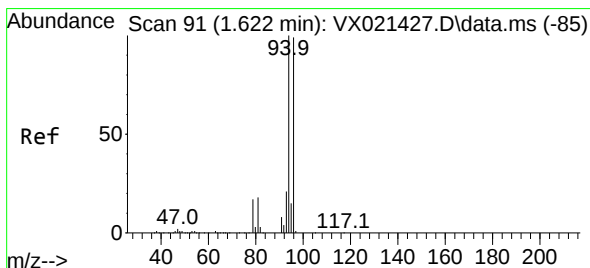
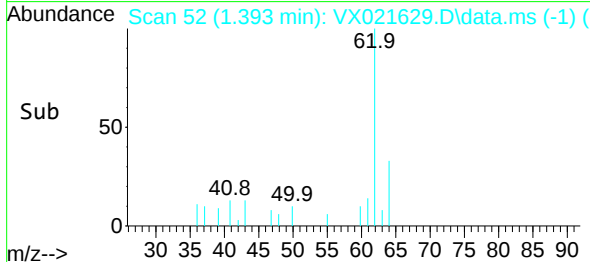
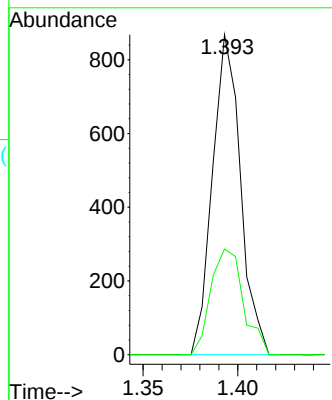
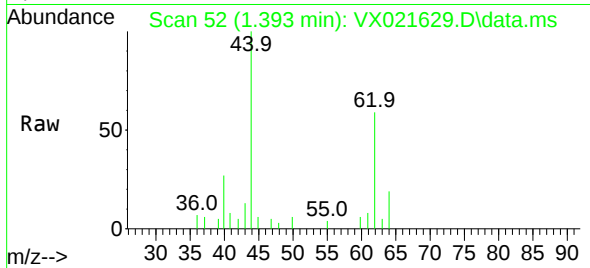




#4
 Vinyl Chloride
 Concen: 1.29 ug/l
 RT: 1.393 min Scan# 52
 Delta R.T. -0.000 min
 Lab File: VX021629.D
 Acq: 30 Mar 2021 15:08

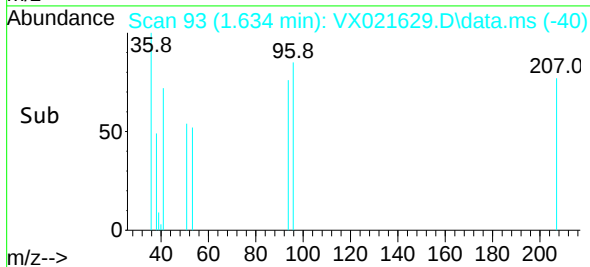
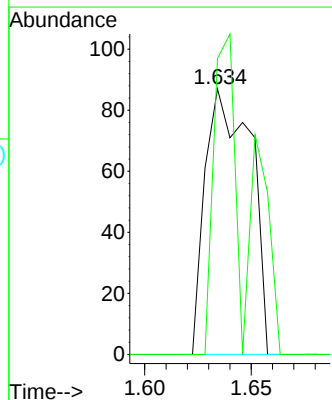
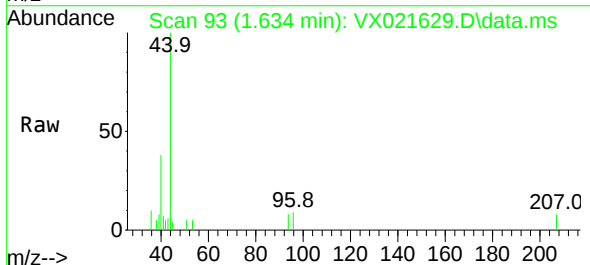
Instrument :
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 ClientSampleId :
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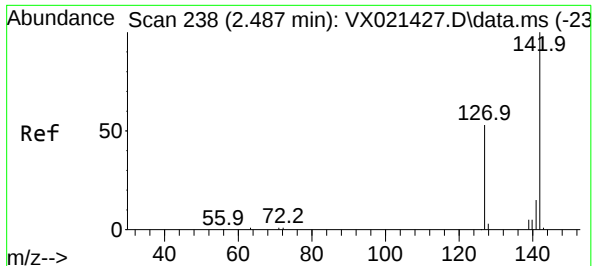
Tgt Ion: 62 Resp: 892
 Ion Ratio Lower Upper
 62 100
 64 33.1 25.7 38.5



#5
 Bromomethane
 Concen: 0.47 ug/l
 RT: 1.634 min Scan# 93
 Delta R.T. 0.012 min
 Lab File: VX021629.D
 Acq: 30 Mar 2021 15:08

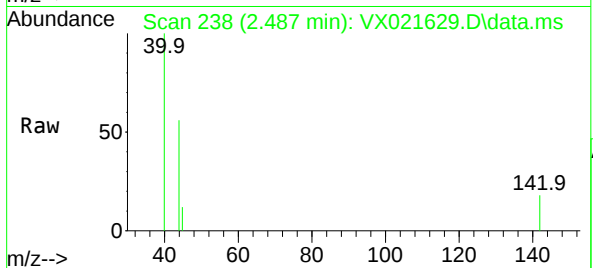
Tgt Ion: 94 Resp: 129
 Ion Ratio Lower Upper
 94 100
 96 111.5 76.4 114.6



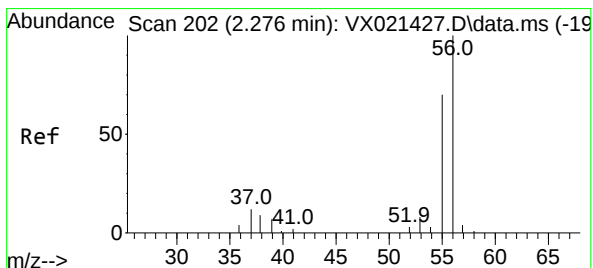
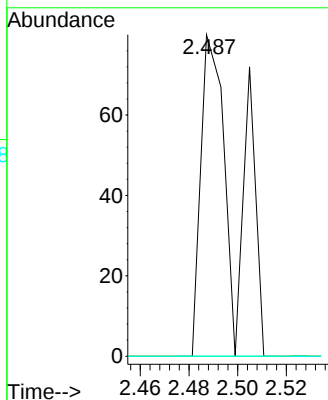
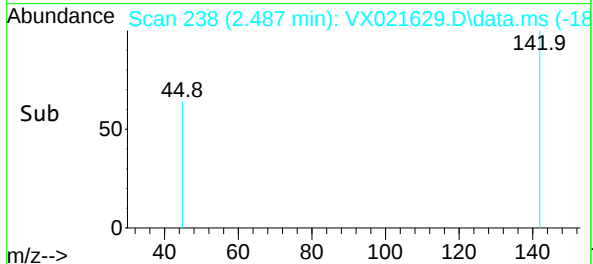


#10
Methyl Iodide
Concen: 6.78 ug/l
RT: 2.487 min Scan# 238
Delta R.T. 0.000 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

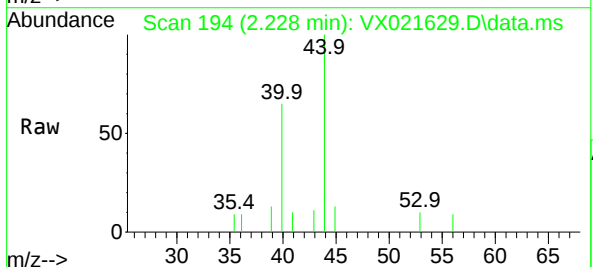
Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD



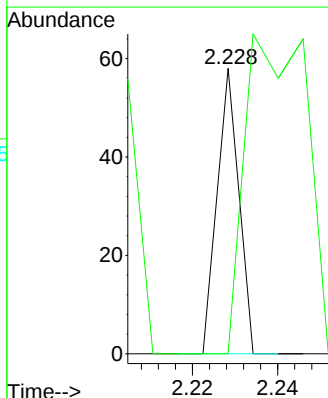
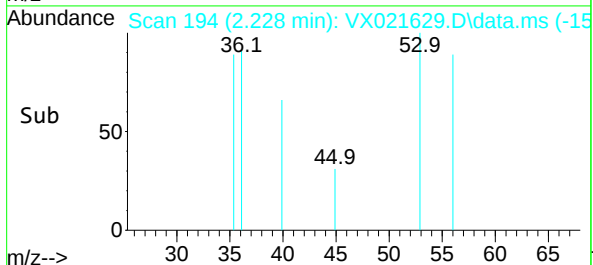
Tgt Ion:142 Resp: 77
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 4.53 ug/l
RT: 2.228 min Scan# 194
Delta R.T. -0.048 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08



Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 325.0 56.4 84.6#

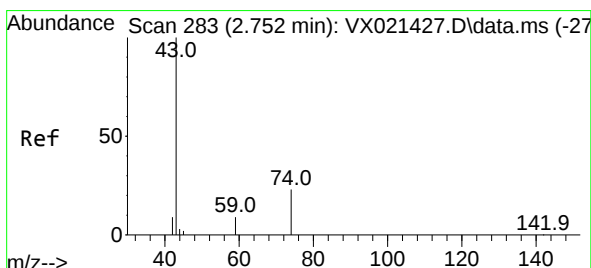
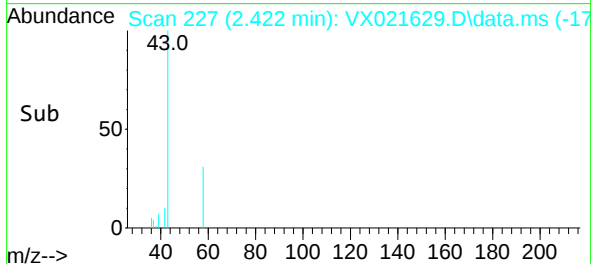
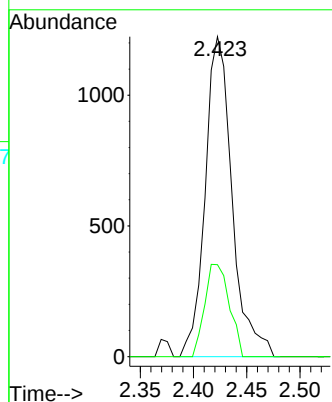
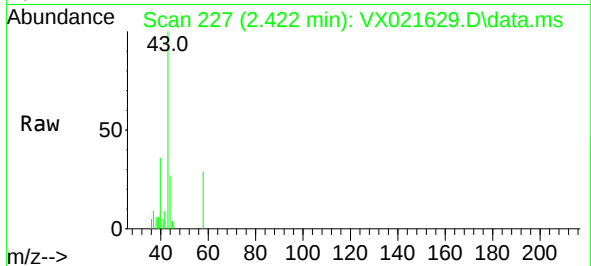




#16
Acetone
Concen: 5.59 ug/l
RT: 2.422 min Scan# 227
Delta R.T. -0.001 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

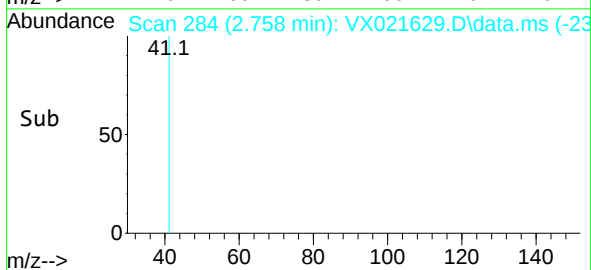
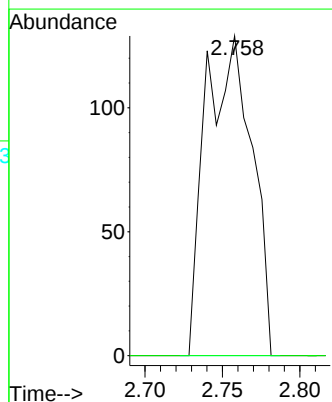
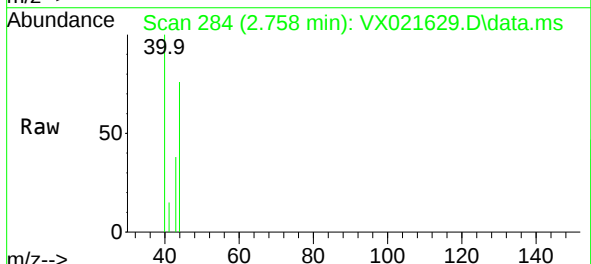
Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD

Tgt Ion: 43 Resp: 2154
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8



#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.758 min Scan# 284
Delta R.T. 0.006 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.38 ug/l

RT: 2.834 min Scan# 297

Delta R.T. 0.000 min

Lab File: VX021629.D

Acq: 30 Mar 2021 15:08

Instrument :

MSVOA_X

ClientSampleId :

GWBR2-95-105-032921-FD

Tgt Ion: 84 Resp: 286

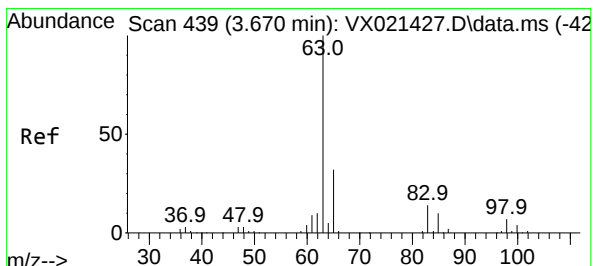
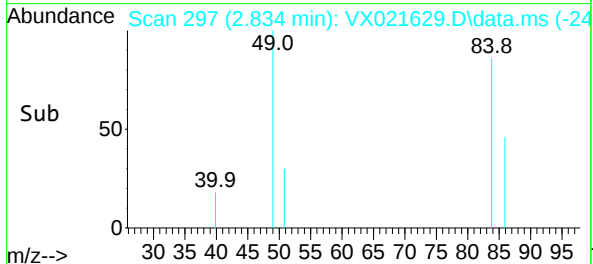
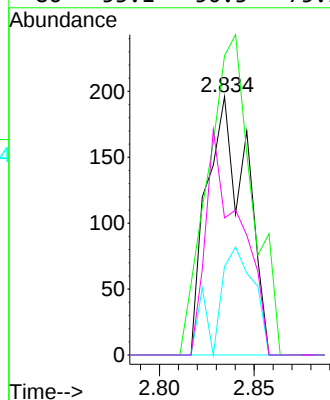
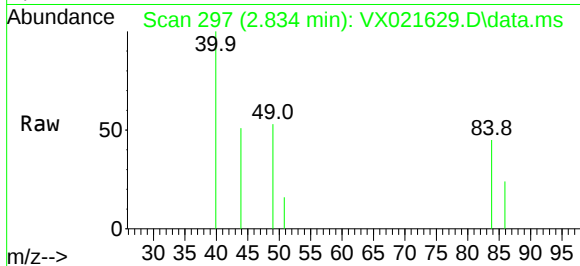
Ion Ratio Lower Upper

84 100

49 115.8 88.6 132.8

51 34.2 27.0 40.6

86 53.1 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.63 ug/l

RT: 3.670 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX021629.D

Acq: 30 Mar 2021 15:08

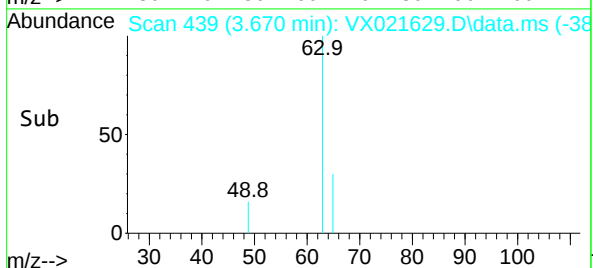
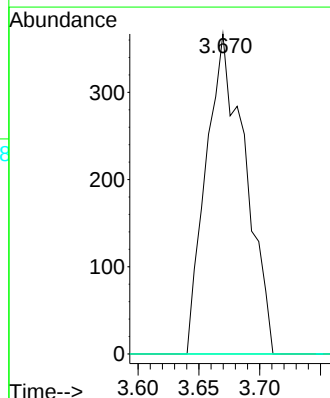
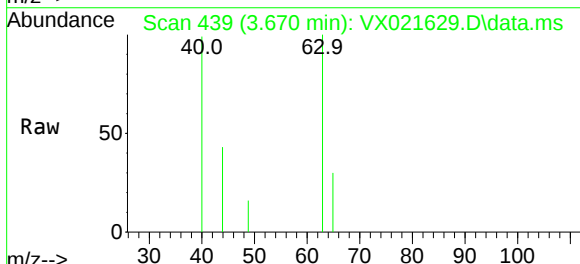
Tgt Ion: 63 Resp: 822

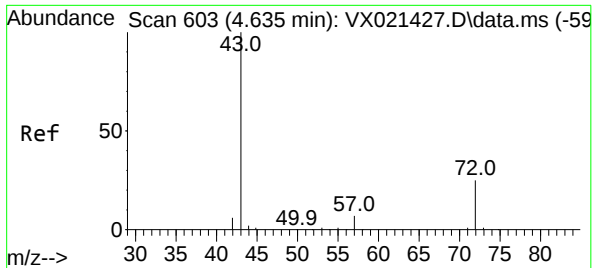
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#

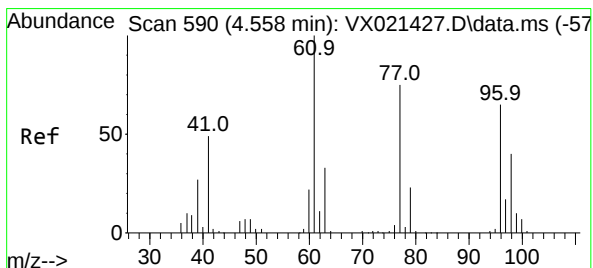
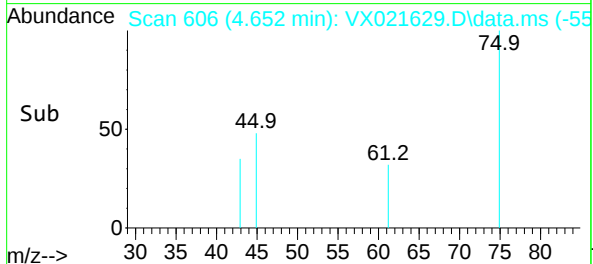
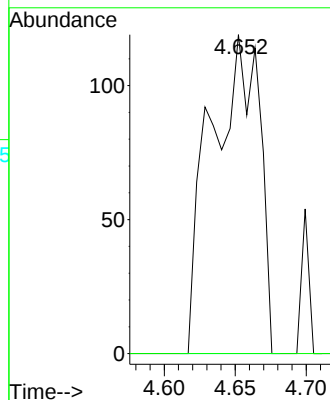
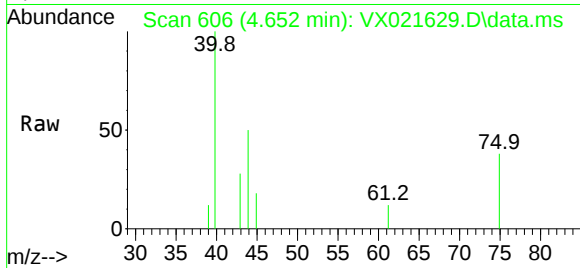




#25
2-Butanone
Concen: 0.48 ug/l
RT: 4.652 min Scan# 606
Delta R.T. 0.017 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

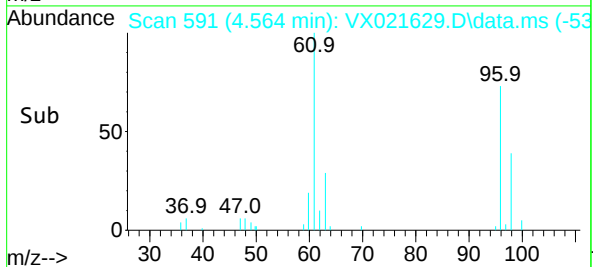
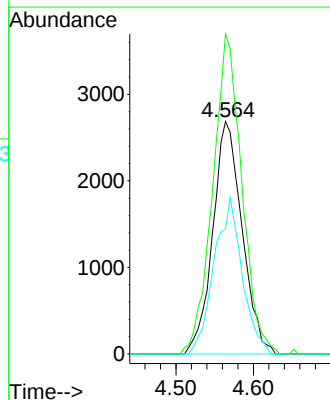
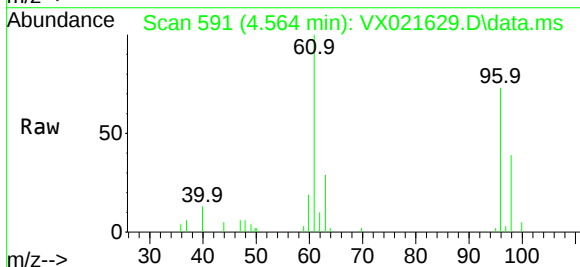
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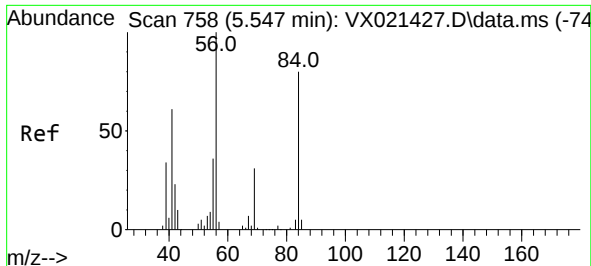
Tgt Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 8.97 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

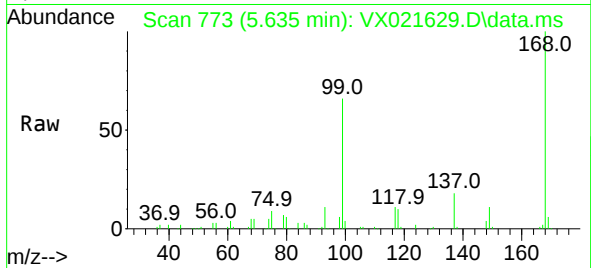
Tgt Ion: 96 Resp: 7065
Ion Ratio Lower Upper
96 100
61 136.7 0.0 285.6
98 64.3 0.0 129.6



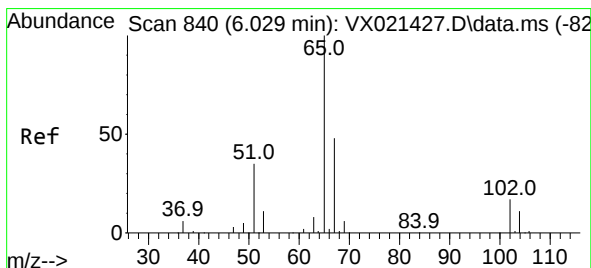
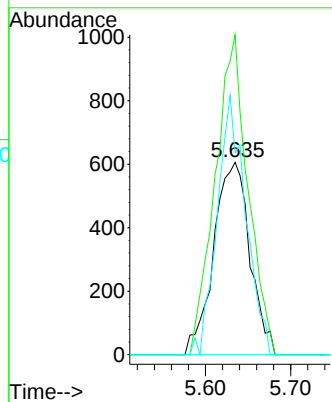
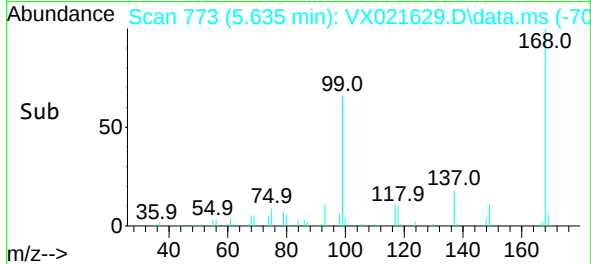


#31
Cyclohexane
Concen: 1.59 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

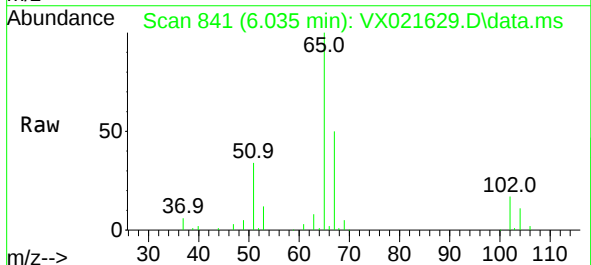
Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD



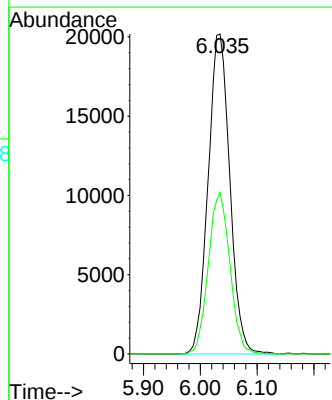
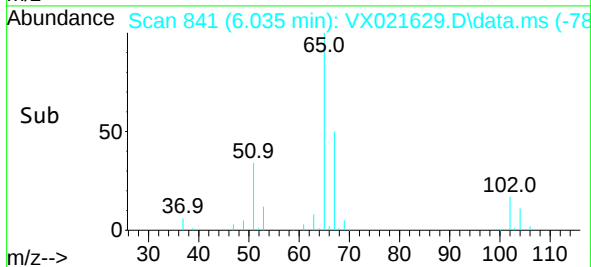
Tgt Ion: 56 Resp: 1786
Ion Ratio Lower Upper
56 100
69 166.3 25.3 37.9#
84 105.0 71.4 107.0

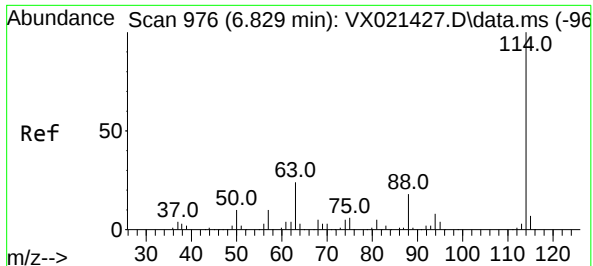


#33
1,2-Dichloroethane-d4
Concen: 52.40 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08



Tgt Ion: 65 Resp: 53438
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

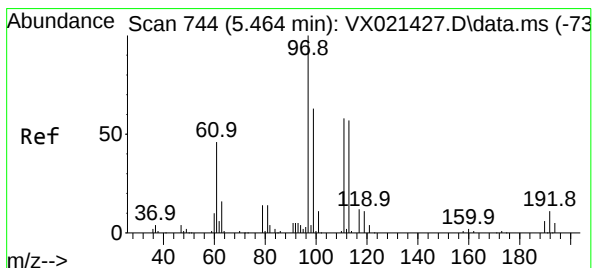
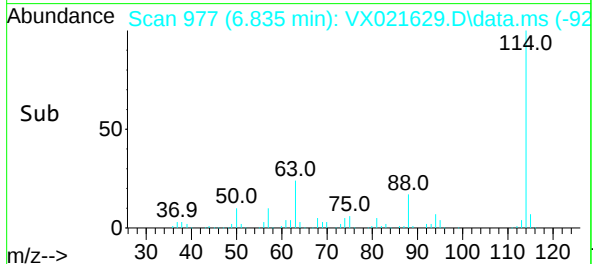
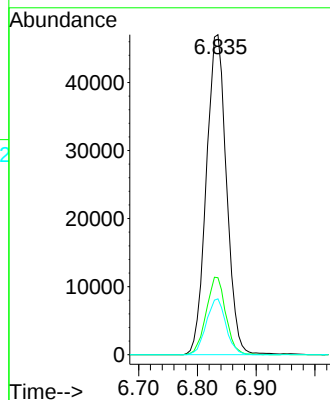
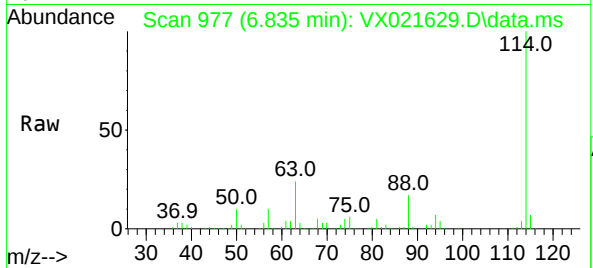




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.835 min Scan# 977
Delta R.T. 0.006 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

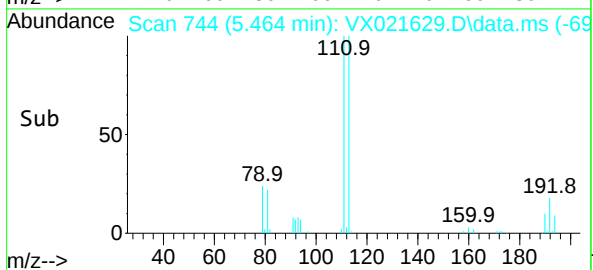
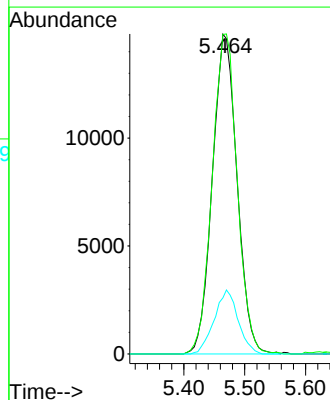
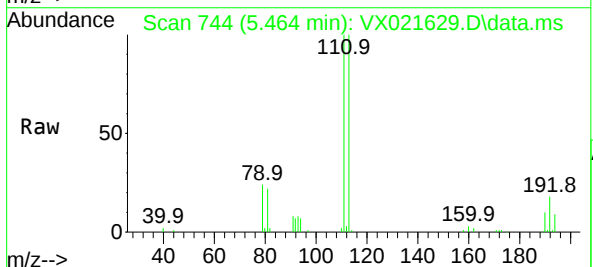
Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD

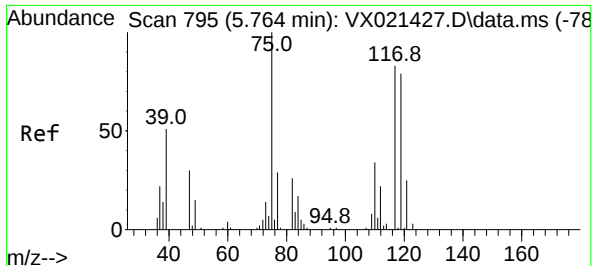
Tgt Ion:114 Resp: 112153
Ion Ratio Lower Upper
114 100
63 24.0 0.0 40.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.35 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Tgt Ion:113 Resp: 41706
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 19.3 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.02 ug/l

RT: 5.635 min Scan# 773

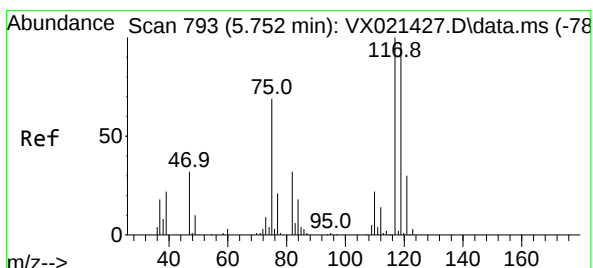
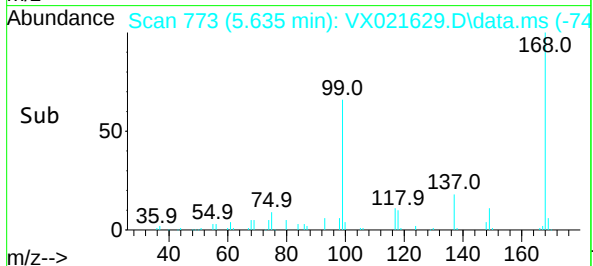
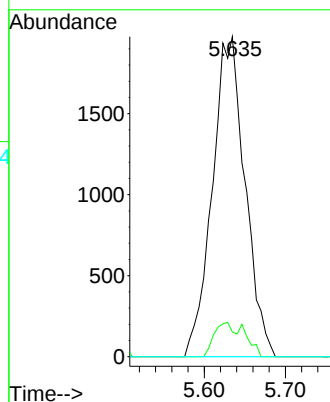
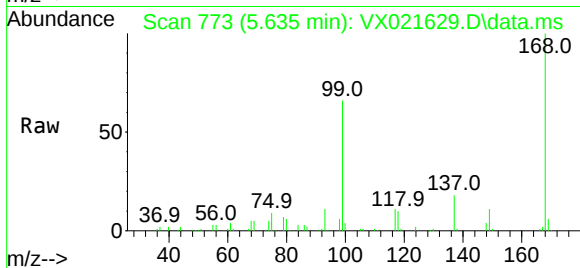
Delta R.T. -0.129 min

Lab File: VX021629.D

Acq: 30 Mar 2021 15:08

Tgt Ion:	75	Resp:	5520
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD



#38

Carbon Tetrachloride

Concen: 5.93 ug/l

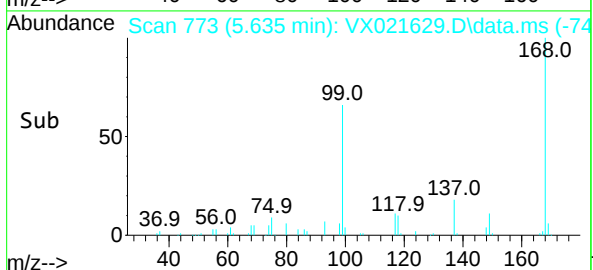
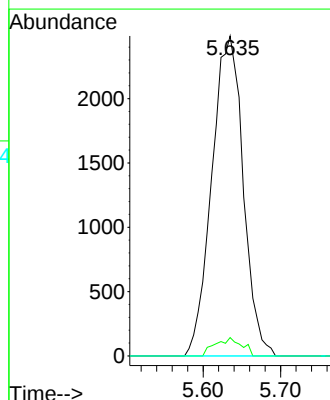
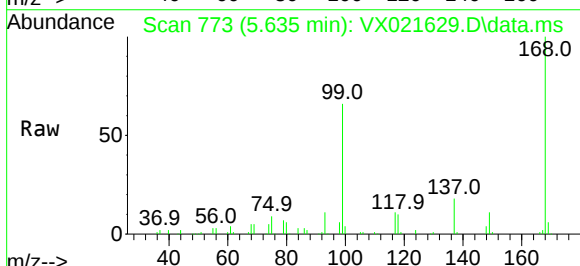
RT: 5.635 min Scan# 773

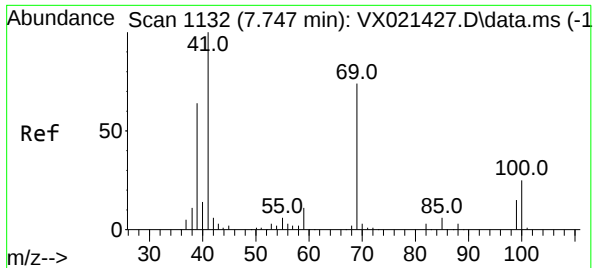
Delta R.T. -0.117 min

Lab File: VX021629.D

Acq: 30 Mar 2021 15:08

Tgt Ion:	117	Resp:	7001
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.2	114.2#
121	0.0	24.8	37.2#





#48

Methyl methacrylate

Concen: 0.38 ug/l

RT: 7.753 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VX021629.D

Acq: 30 Mar 2021 15:08

Tgt Ion: 41 Resp: 418

Ion Ratio Lower Upper

41 100

69 52.6 76.0 114.0#

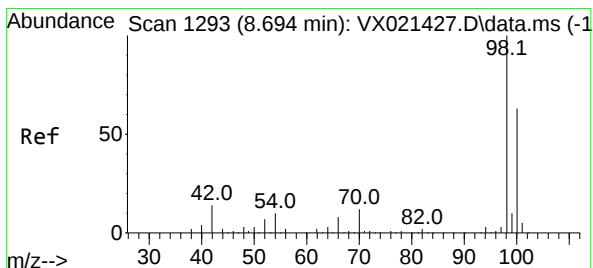
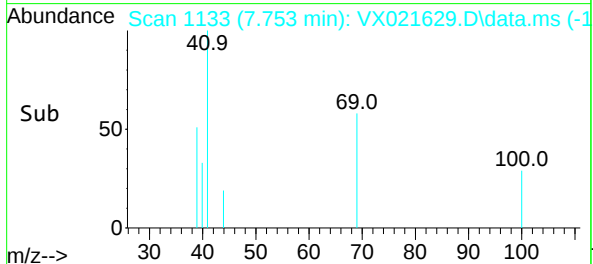
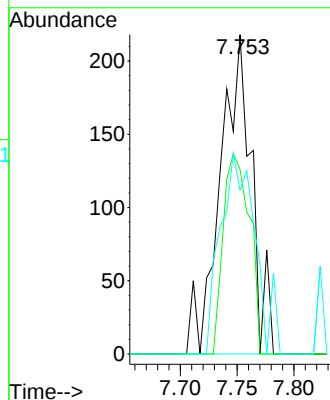
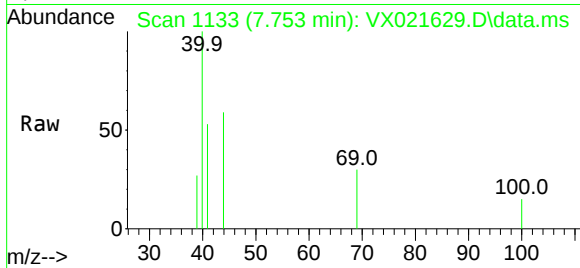
39 69.9 44.6 67.0#

Instrument :

MSVOA_X

ClientSampleId :

GWBR2-95-105-032921-FD



#50

Toluene-d8

Concen: 50.79 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. -0.000 min

Lab File: VX021629.D

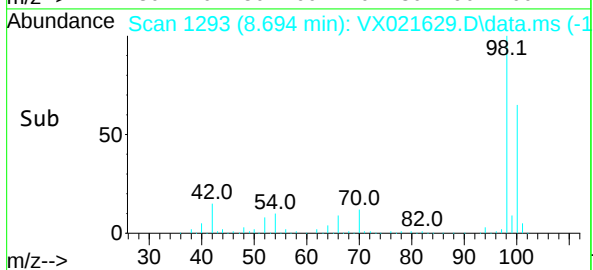
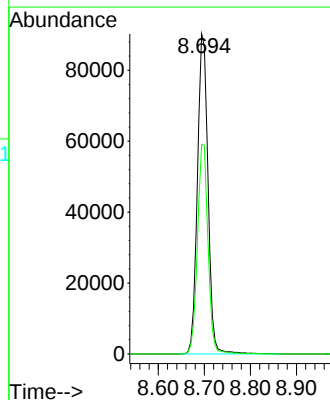
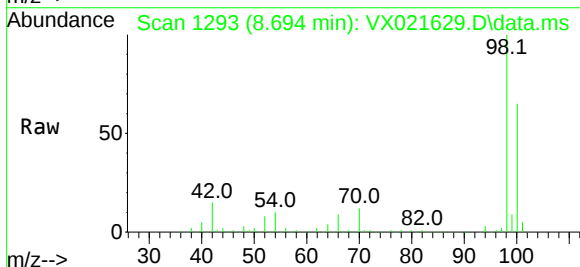
Acq: 30 Mar 2021 15:08

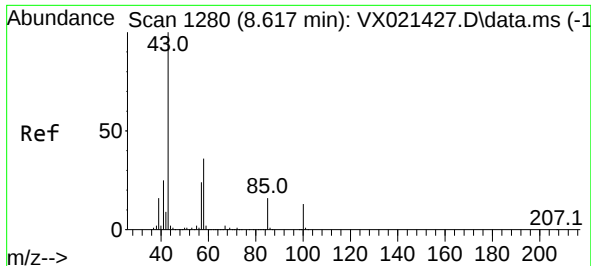
Tgt Ion: 98 Resp: 144174

Ion Ratio Lower Upper

98 100

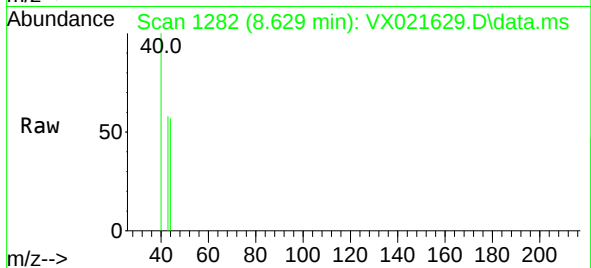
100 65.2 51.9 77.9



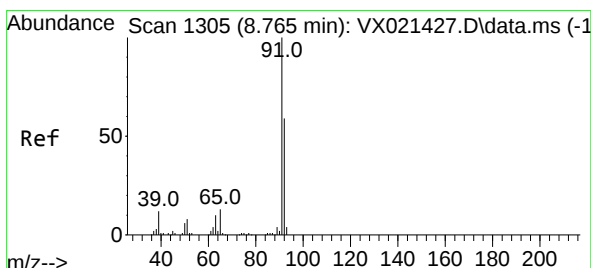
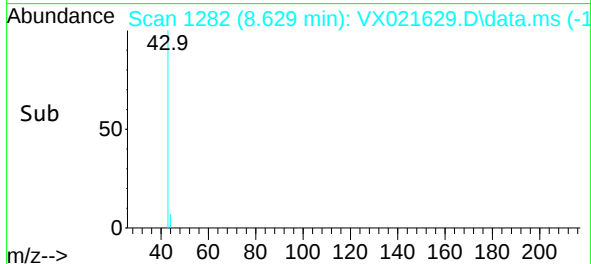
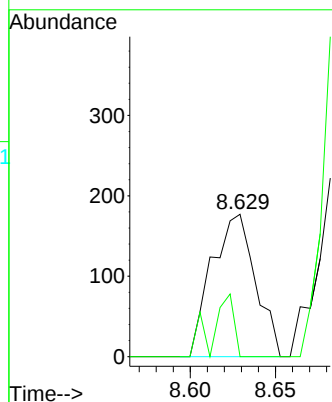


#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 8.629 min Scan# 1282
Delta R.T. 0.012 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD

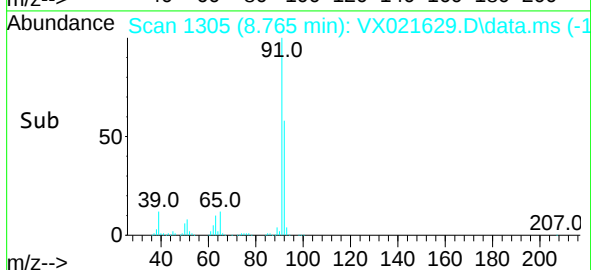
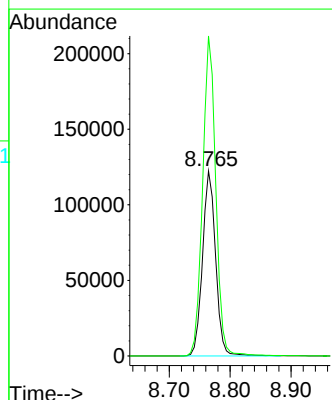
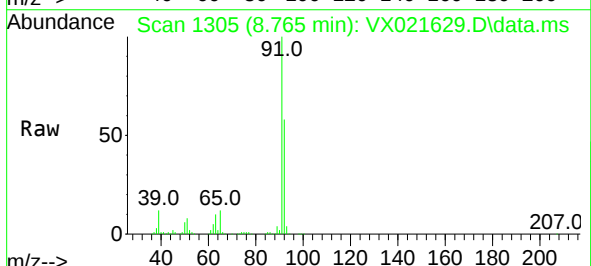


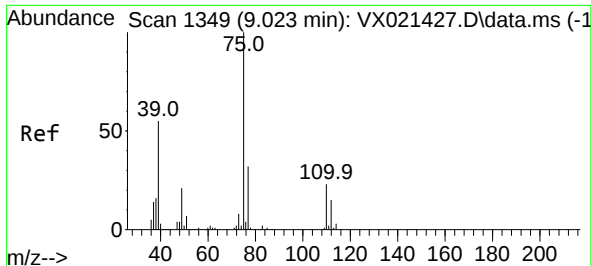
Tgt Ion: 43 Resp: 316
Ion Ratio Lower Upper
43 100
58 21.5 35.4 53.0#



#52
Toluene
Concen: 95.14 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.001 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Tgt Ion: 92 Resp: 183376
Ion Ratio Lower Upper
92 100
91 173.4 137.1 205.7

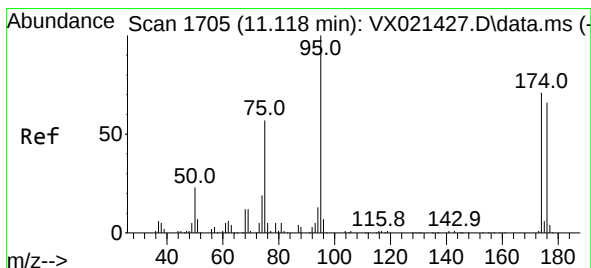
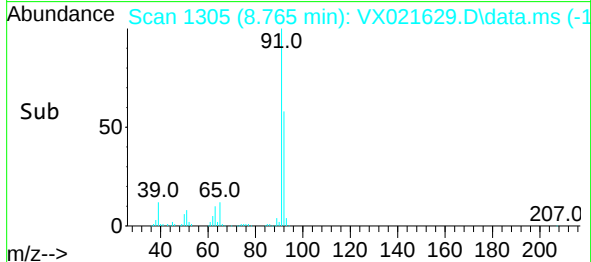
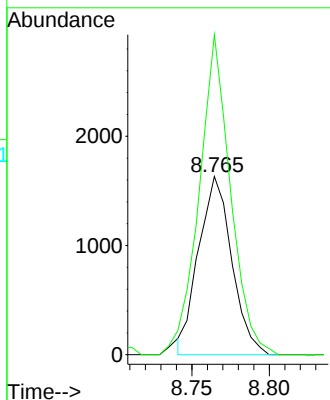
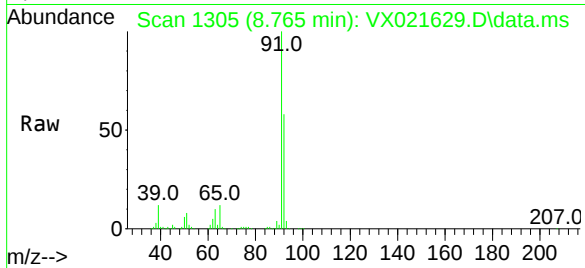




#53
t-1,3-Dichloropropene
Concen: 1.92 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.258 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

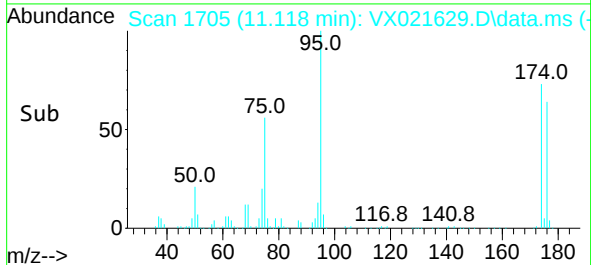
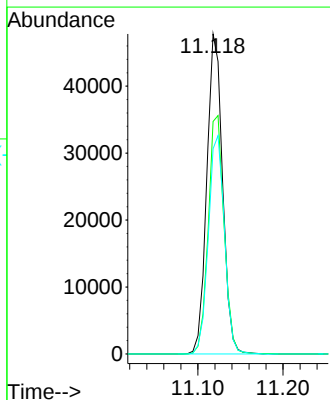
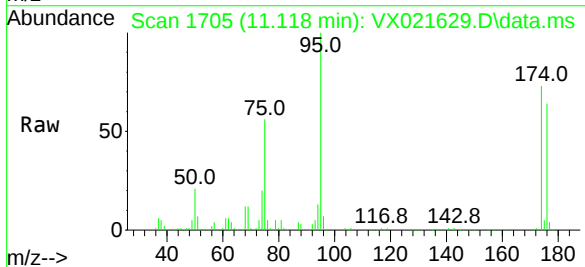
Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD

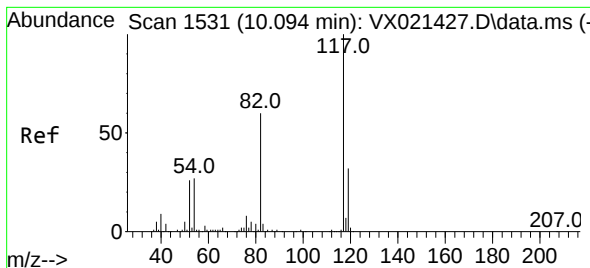
Tgt Ion: 75 Resp: 2429
Ion Ratio Lower Upper
75 100
77 179.6 24.9 37.3#



#62
4-Bromofluorobenzene
Concen: 55.51 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Tgt Ion: 95 Resp: 61265
Ion Ratio Lower Upper
95 100
174 75.0 0.0 154.6
176 69.8 0.0 155.8

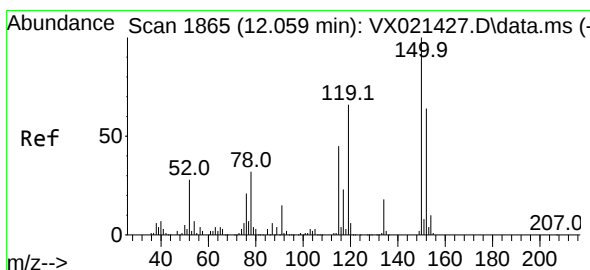
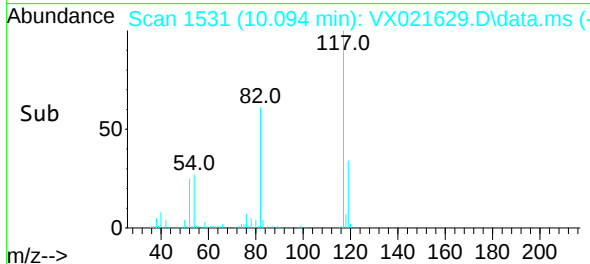
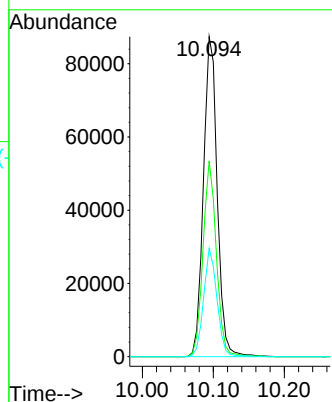
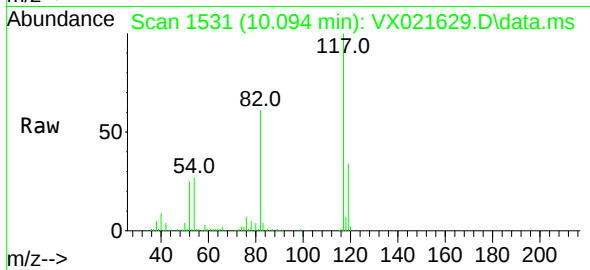




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

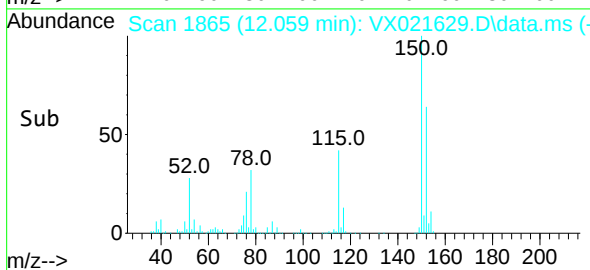
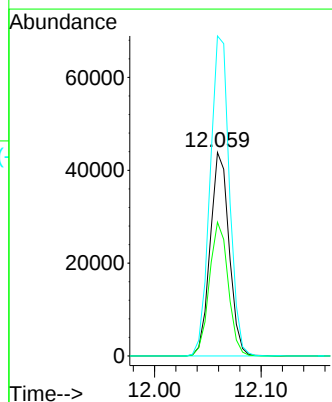
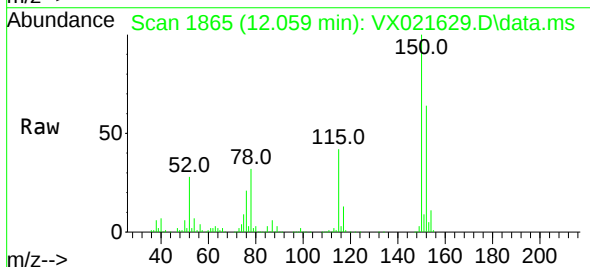
Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD

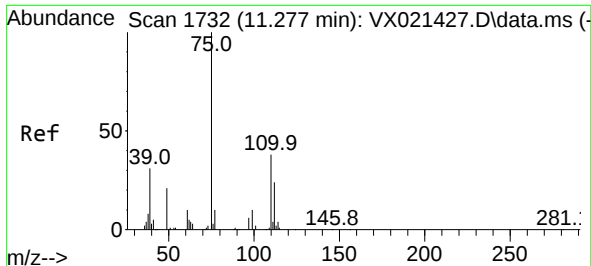
Tgt Ion:117 Resp: 118445
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 33.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Tgt Ion:152 Resp: 54015
Ion Ratio Lower Upper
152 100
115 65.2 41.1 123.3
150 160.8 0.0 349.0

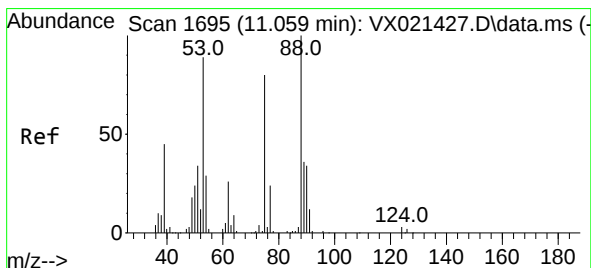
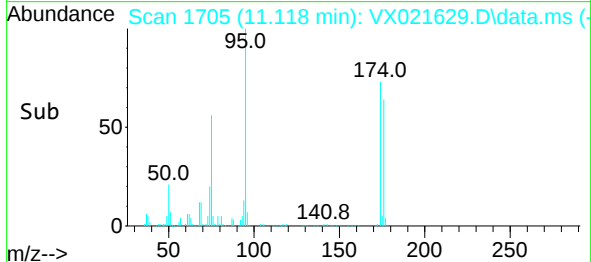
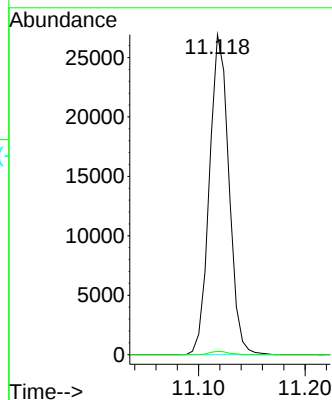
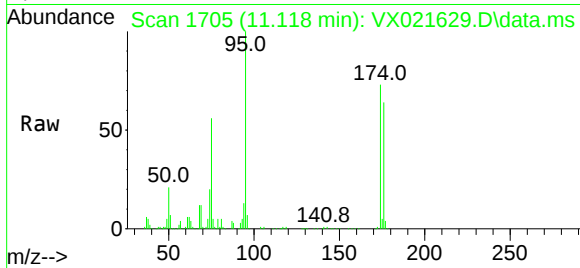




#76
1,2,3-Trichloropropane
Concen: 27.20 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

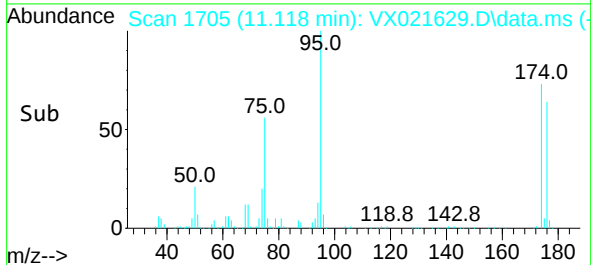
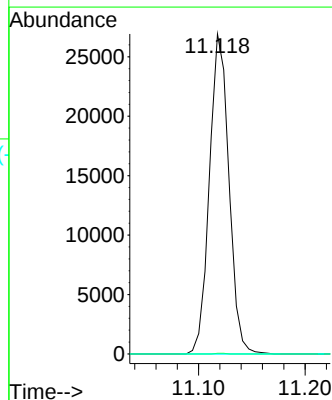
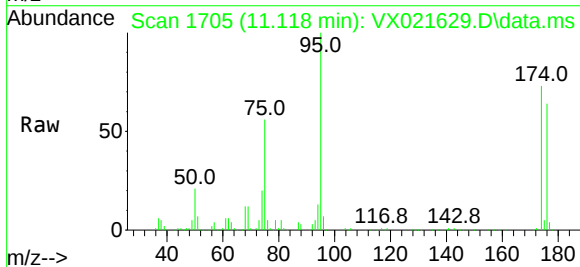
Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD

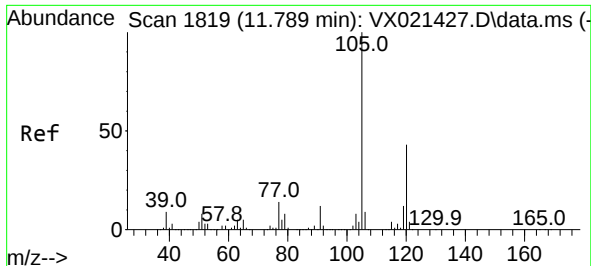
Tgt Ion: 75 Resp: 34200
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.84 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Tgt Ion: 75 Resp: 34200
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

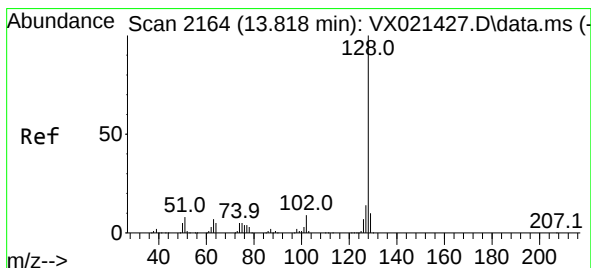
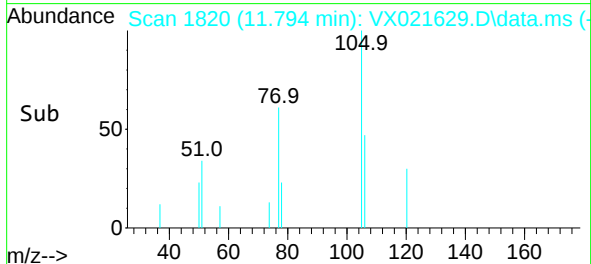
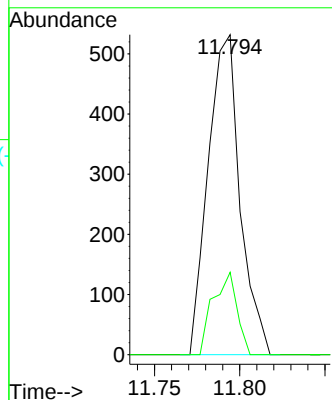
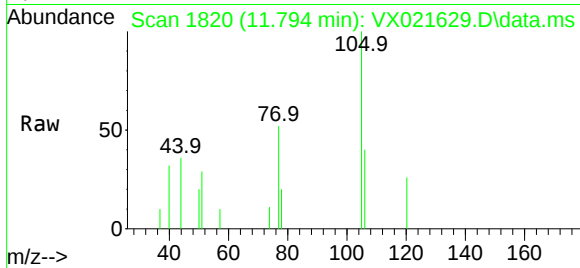




#84
1,2,4-Trimethylbenzene
Concen: 0.21 ug/l
RT: 11.794 min Scan# 1820
Delta R.T. 0.005 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Instrument :
MSVOA_X
ClientSampleId :
GWBR2-95-105-032921-FD

Tgt Ion:105 Resp: 693
Ion Ratio Lower Upper
105 100
120 19.3 22.4 67.3#



#95
Naphthalene
Concen: 0.30 ug/l
RT: 13.812 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VX021629.D
Acq: 30 Mar 2021 15:08

Tgt Ion:128 Resp: 1040
Ion Ratio Lower Upper
128 100
127 17.4 10.3 15.5#
129 9.3 8.8 13.2

