

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021066.D
 Acq On : 08 Mar 2021 17:05
 Operator : JC/MD
 Sample : M1596-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-125.9N-20210305

Quant Time: Mar 09 01:07:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	214617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	399044	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	397547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	173042	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	142381	49.12	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.24%
35) Dibromofluoromethane	5.464	113	124933	51.53	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.06%
50) Toluene-d8	8.694	98	504062	53.32	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.64%
62) 4-Bromofluorobenzene	11.124	95	186412	53.33	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.66%

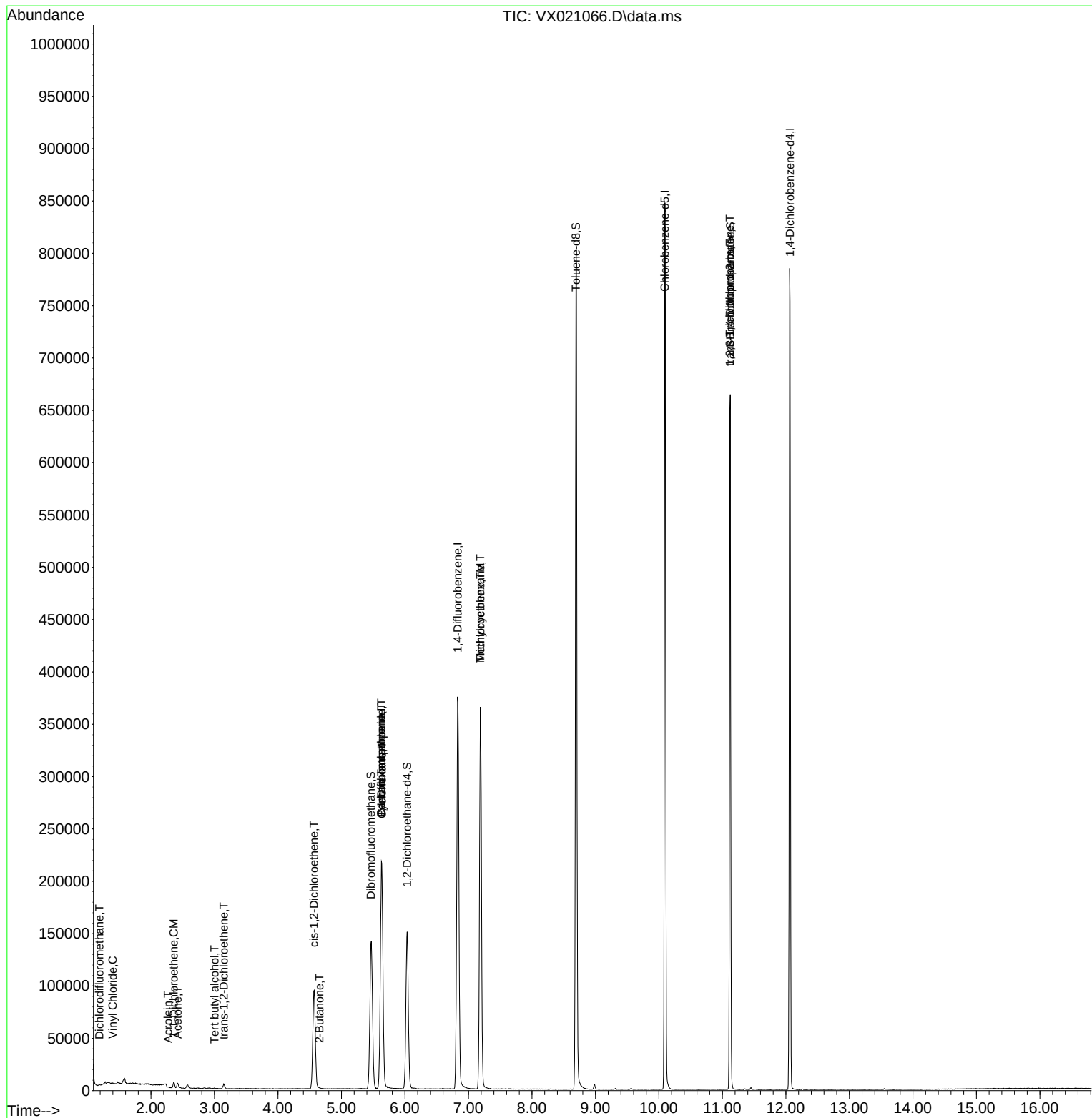
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	497	0.21	ug/l	88
4) Vinyl Chloride	1.399	62	625	0.21	ug/l #	81
5) Bromomethane	1.634	94	272	Below Cal	#	73
11) Tert butyl alcohol	2.999	59	203	0.31	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	1970	0.82	ug/l	91
13) Acrolein	2.270	56	88	0.22	ug/l #	35
16) Acetone	2.417	43	4645	3.89	ug/l	96
21) trans-1,2-Dichloroethene	3.146	96	1996	0.74	ug/l	83
25) 2-Butanone	4.652	43	1309	0.72	ug/l #	83
27) cis-1,2-Dichloroethene	4.564	96	63935	20.57	ug/l	88
31) Cyclohexane	5.635	56	4164	0.99	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	16287	4.29	ug/l #	48
38) Carbon Tetrachloride	5.629	117	20633	5.61	ug/l #	16
39) Methylcyclohexane	7.188	83	1730	0.36	ug/l #	1
44) Trichloroethene	7.188	130	147720	49.42	ug/l	99
76) 1,2,3-Trichloropropane	11.118	75	89347	24.00	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	89347	53.14	ug/l #	12

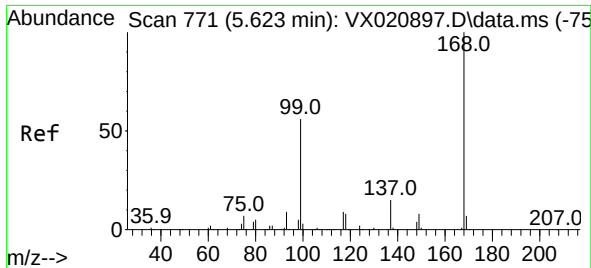
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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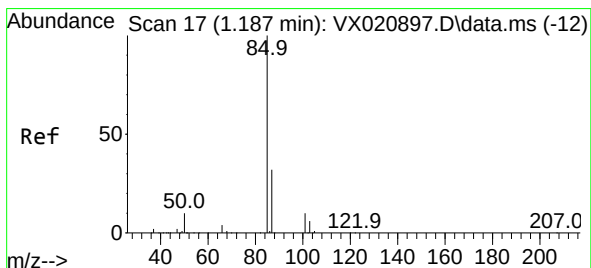
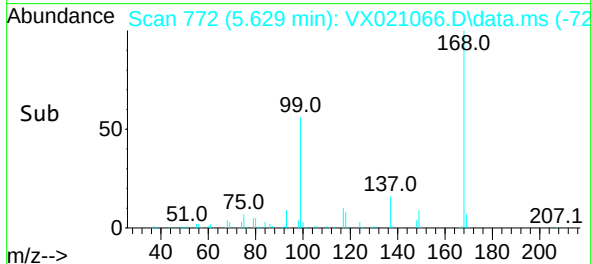
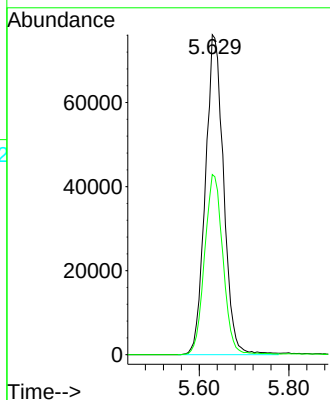
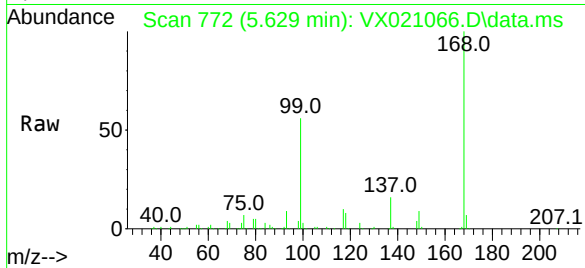




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

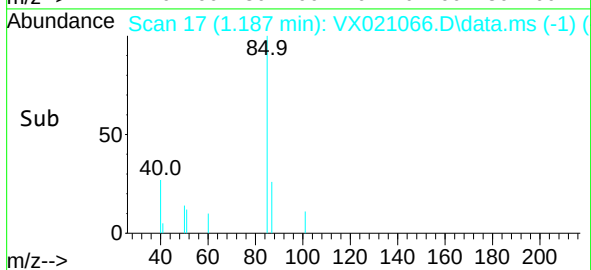
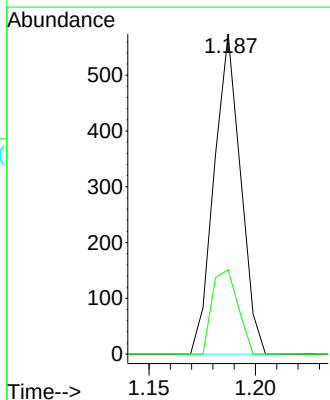
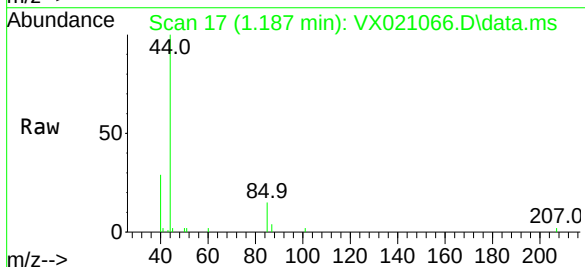
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9N-20210305

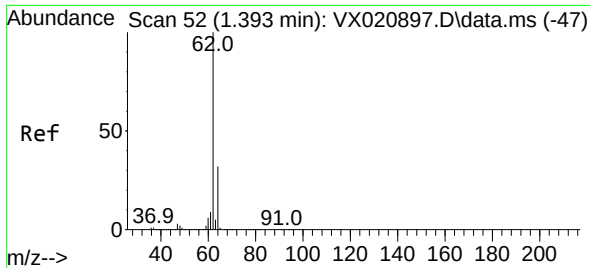
Tgt Ion:168 Resp: 214617
Ion Ratio Lower Upper
168 100
99 56.3 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.21 ug/l
RT: 1.187 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

Tgt Ion: 85 Resp: 497
Ion Ratio Lower Upper
85 100
87 26.3 16.4 49.2

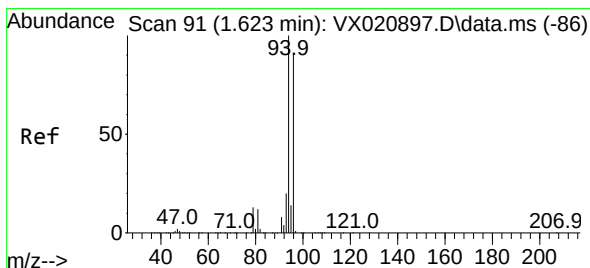
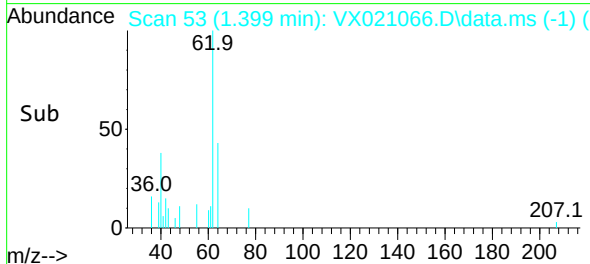
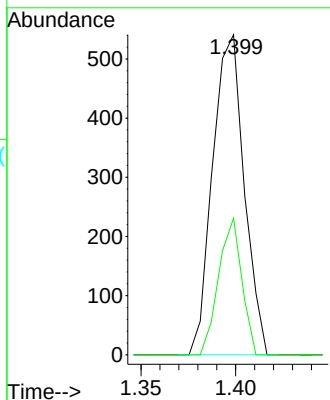
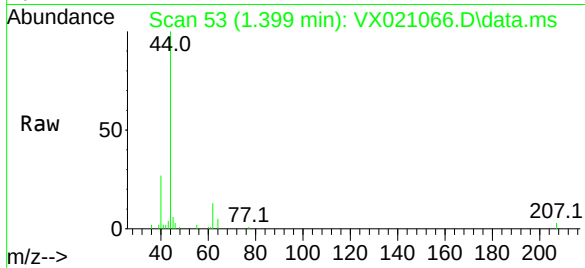




#4
 Vinyl Chloride
 Concen: 0.21 ug/l
 RT: 1.399 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: VX021066.D
 Acq: 08 Mar 2021 17:05

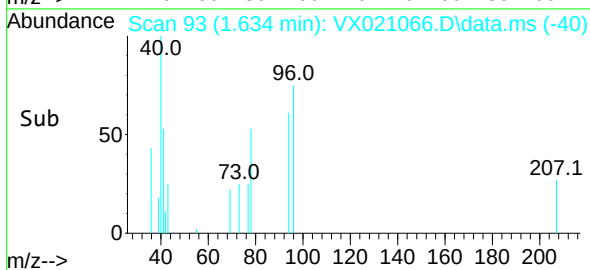
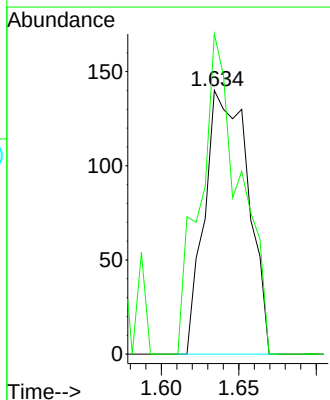
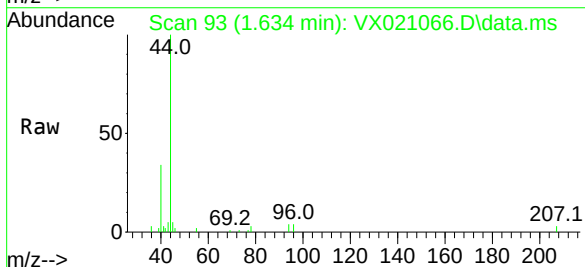
Instrument :
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 ClientSampleId :
 MH-125.9N-20210305

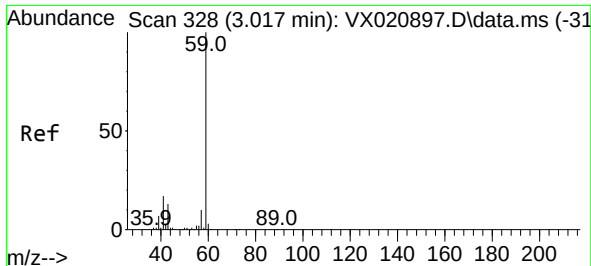
Tgt Ion: 62 Resp: 625
 Ion Ratio Lower Upper
 62 100
 64 42.7 25.7 38.5#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.634 min Scan# 93
 Delta R.T. 0.011 min
 Lab File: VX021066.D
 Acq: 08 Mar 2021 17:05

Tgt Ion: 94 Resp: 272
 Ion Ratio Lower Upper
 94 100
 96 121.4 76.4 114.6#

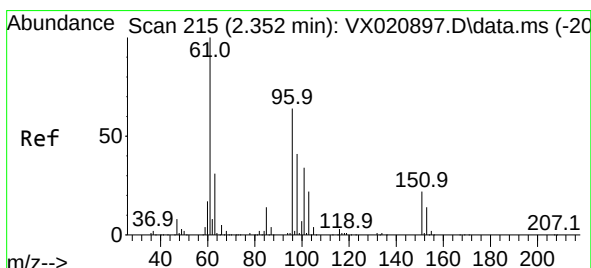
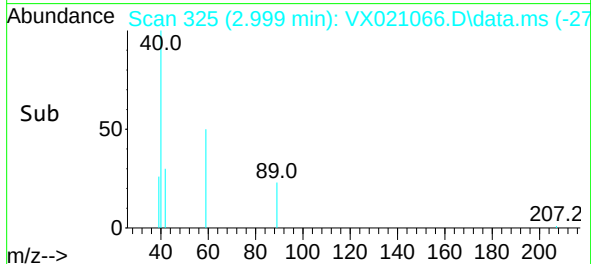
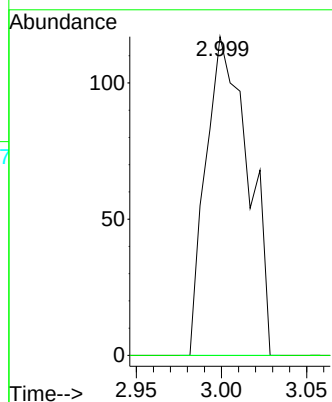
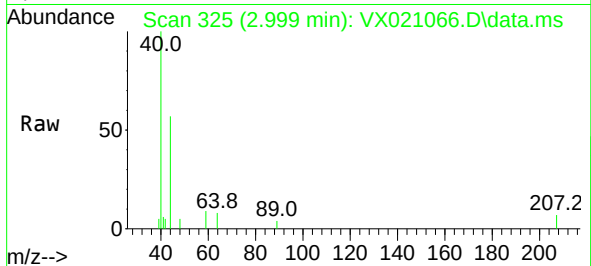




#11
Tert butyl alcohol
Concen: 0.31 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.018 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

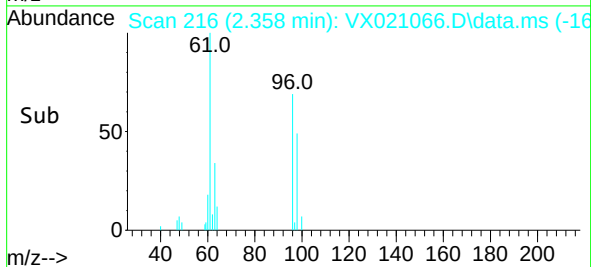
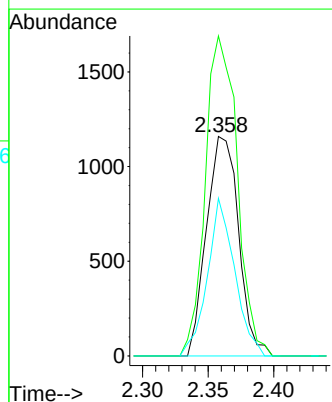
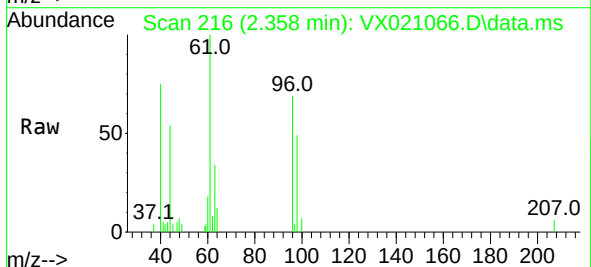
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9N-20210305

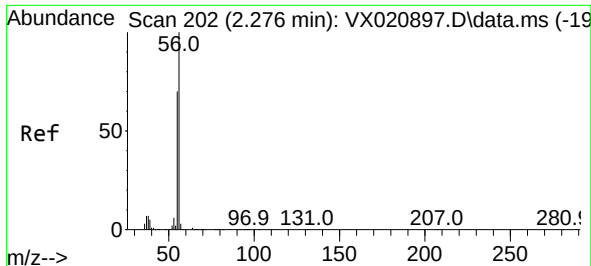
Tgt Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.82 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

Tgt Ion: 96 Resp: 1970
Ion Ratio Lower Upper
96 100
61 145.8 124.6 187.0
98 71.8 50.6 76.0

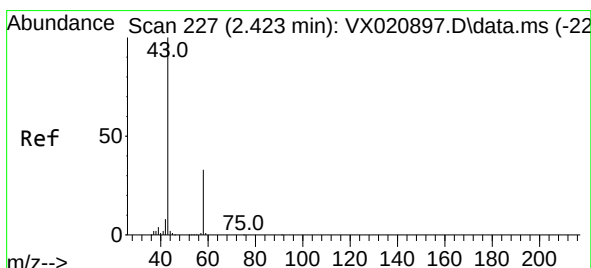
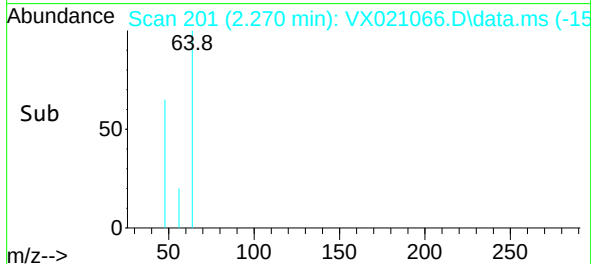
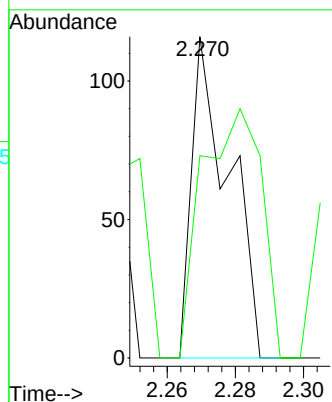
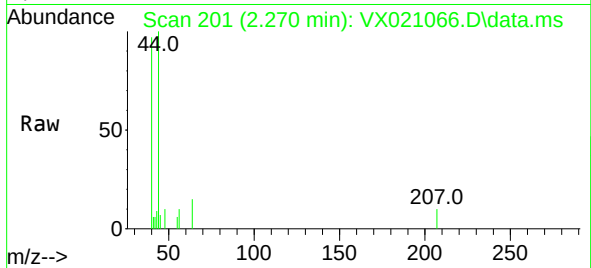




#13
Acrolein
Concen: 0.22 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

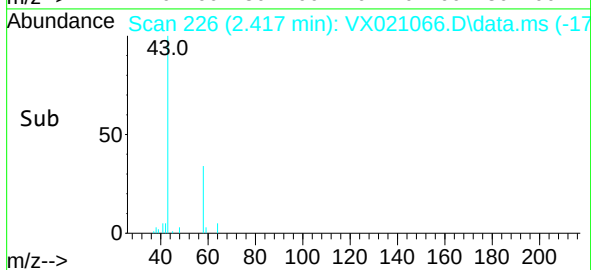
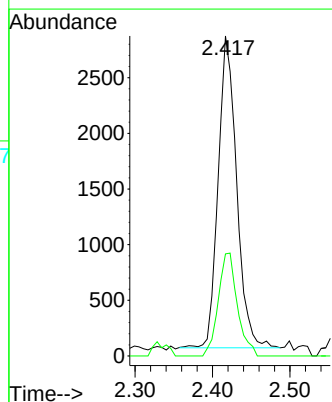
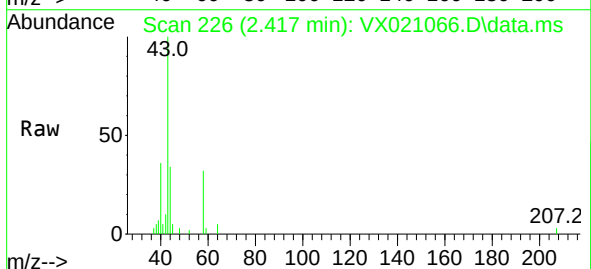
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9N-20210305

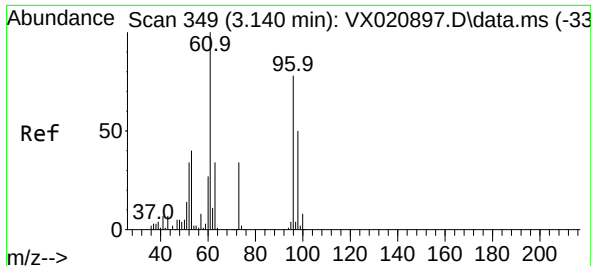
Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 123.9 56.4 84.6#



#16
Acetone
Concen: 3.89 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

Tgt Ion: 43 Resp: 4645
Ion Ratio Lower Upper
43 100
58 32.7 27.8 41.8

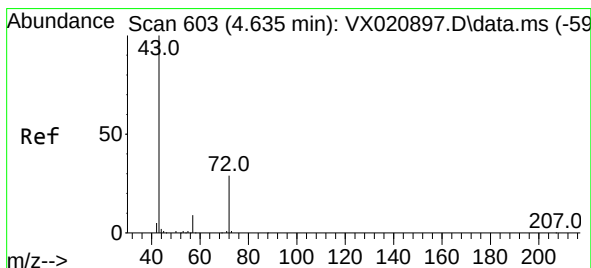
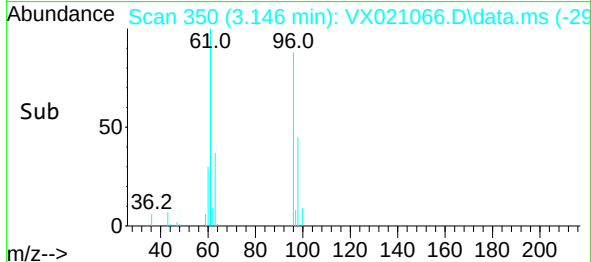
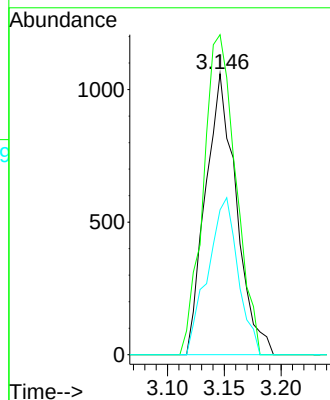
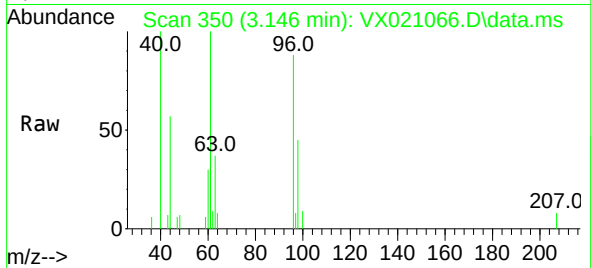




#21
trans-1,2-Dichloroethene
Concen: 0.74 ug/l
RT: 3.146 min Scan# 350
Delta R.T. 0.006 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

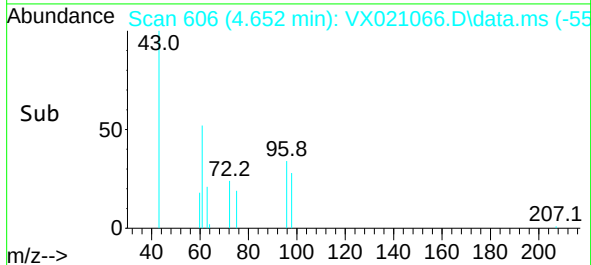
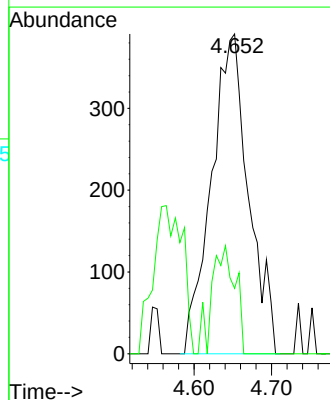
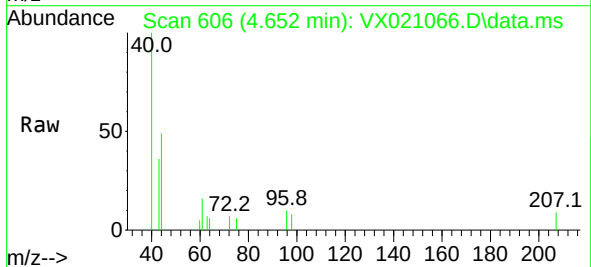
Instrument :
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ClientSampleId :
MH-125.9N-20210305

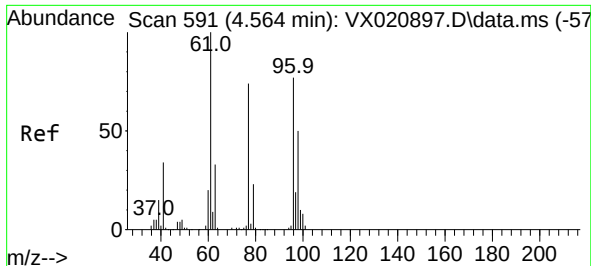
Tgt Ion: 96 Resp: 1996
Ion Ratio Lower Upper
96 100
61 113.9 107.7 161.5
98 51.5 50.4 75.6



#25
2-Butanone
Concen: 0.72 ug/l
RT: 4.652 min Scan# 606
Delta R.T. 0.018 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
72 20.5 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 20.57 ug/l

RT: 4.564 min Scan# 591

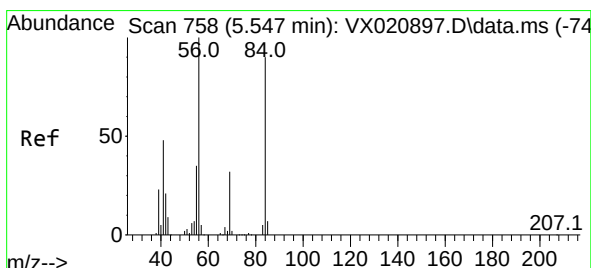
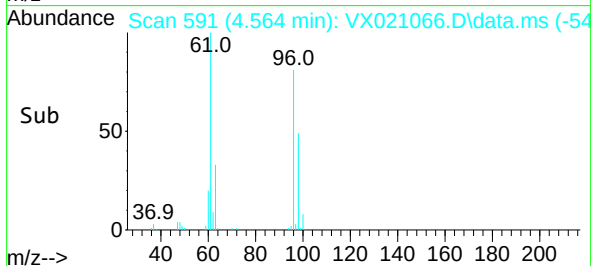
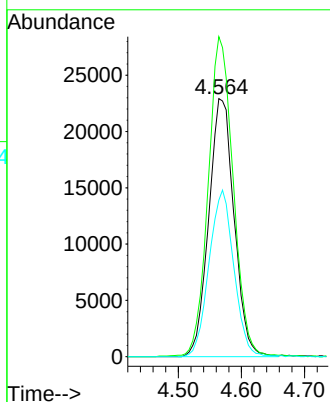
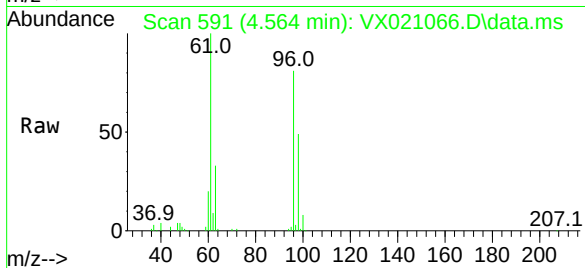
Delta R.T. -0.000 min

Lab File: VX021066.D

Acq: 08 Mar 2021 17:05

Tgt Ion:	96	Resp:	63935
Ion	Ratio	Lower	Upper
96	100		
61	122.7	0.0	285.6
98	63.1	0.0	129.6

Instrument :
MSVOA_X
ClientSampleId :
MH-125.9N-20210305



#31

Cyclohexane

Concen: 0.99 ug/l

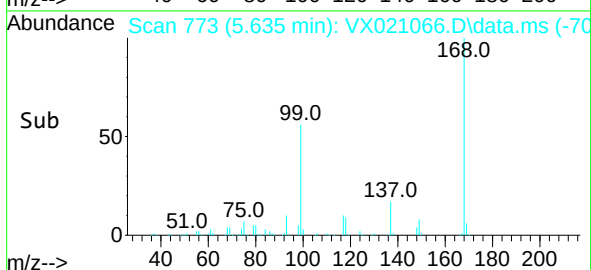
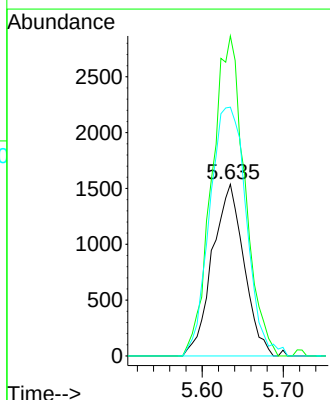
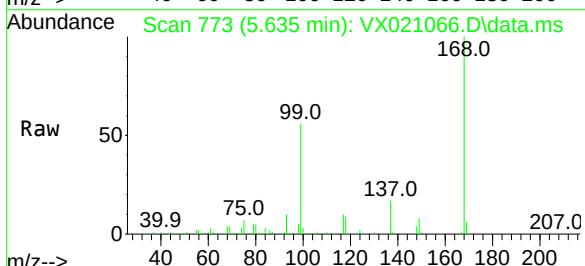
RT: 5.635 min Scan# 773

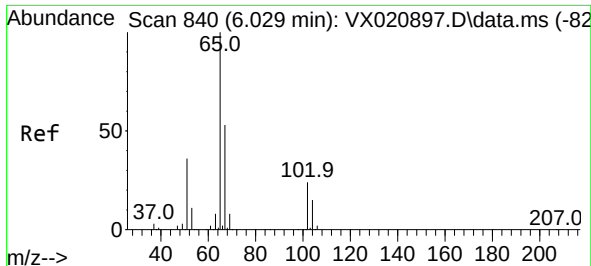
Delta R.T. 0.088 min

Lab File: VX021066.D

Acq: 08 Mar 2021 17:05

Tgt Ion:	56	Resp:	4164
Ion	Ratio	Lower	Upper
56	100		
69	186.3	25.3	37.9#
84	144.9	71.4	107.0#

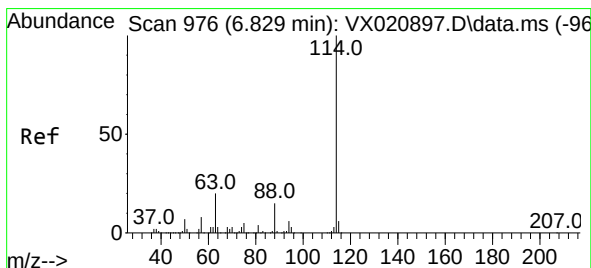
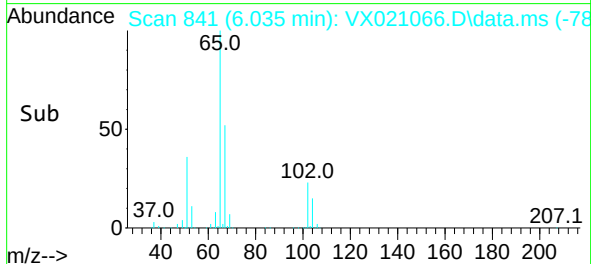
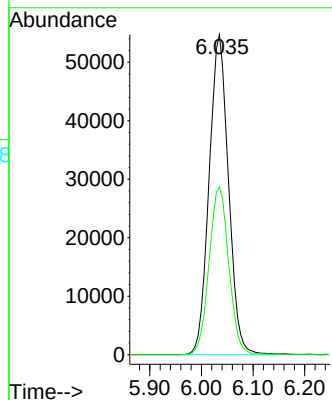
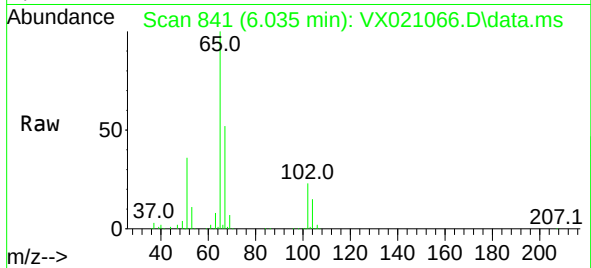




#33
1,2-Dichloroethane-d4
Concen: 49.12 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

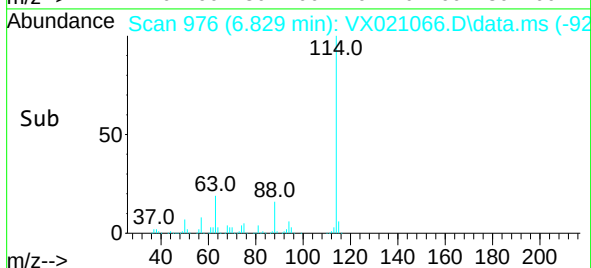
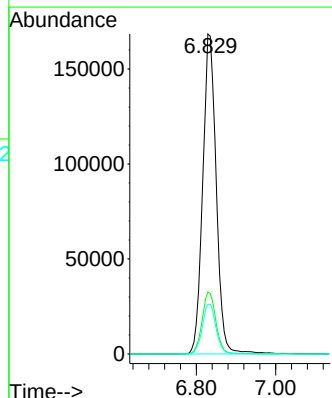
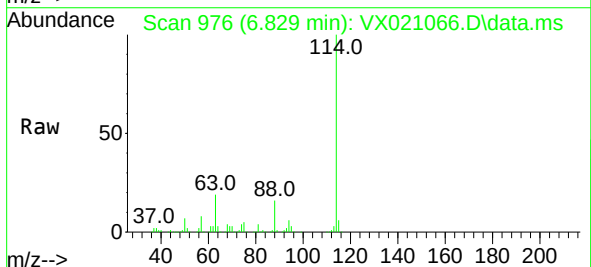
Instrument :
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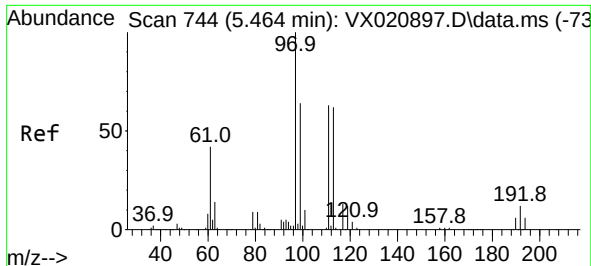
Tgt Ion: 65 Resp: 142381
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

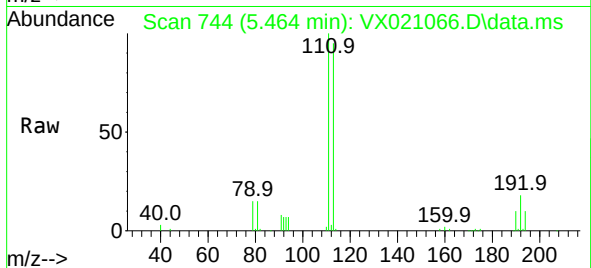
Tgt Ion: 114 Resp: 399044
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.8
88 15.5 0.0 32.8



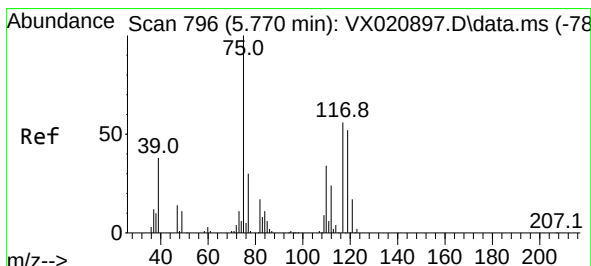
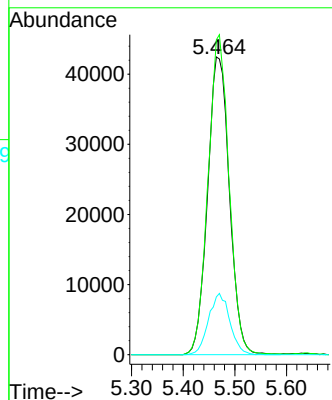
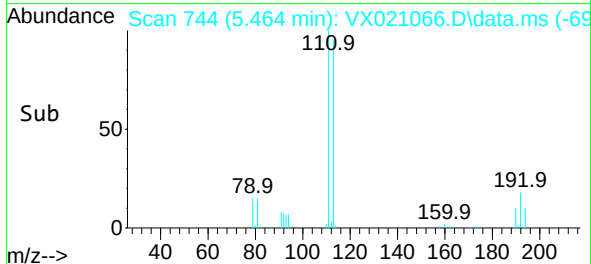


#35
Dibromofluoromethane
Concen: 51.53 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

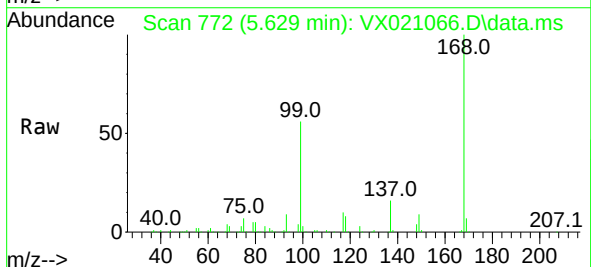
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9N-20210305



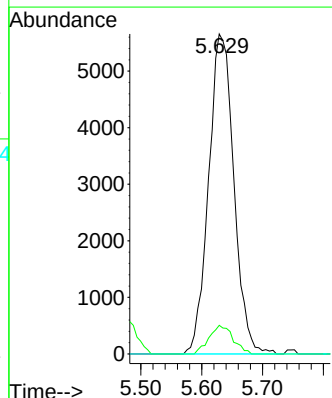
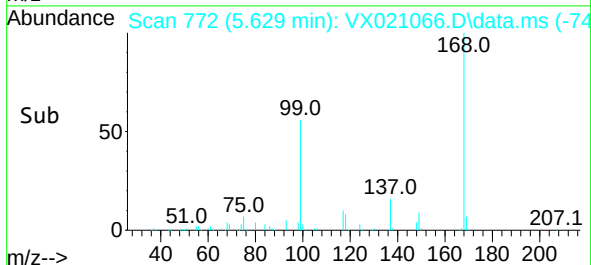
Tgt Ion:113 Resp: 124933
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.0 16.7 25.1

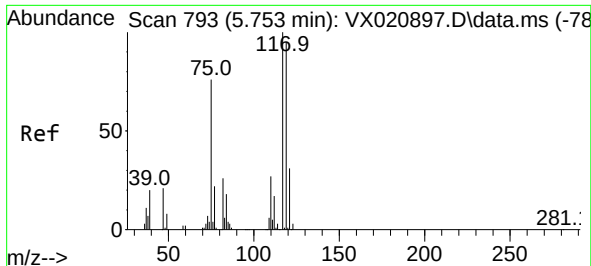


#36
1,1-Dichloropropene
Concen: 4.29 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05



Tgt Ion: 75 Resp: 16287
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#

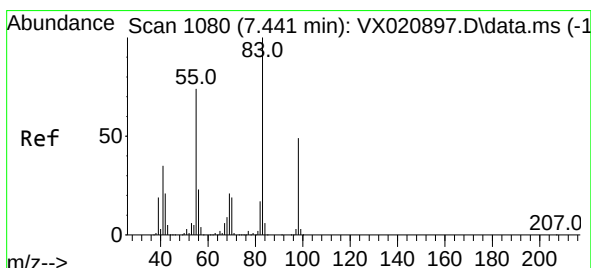
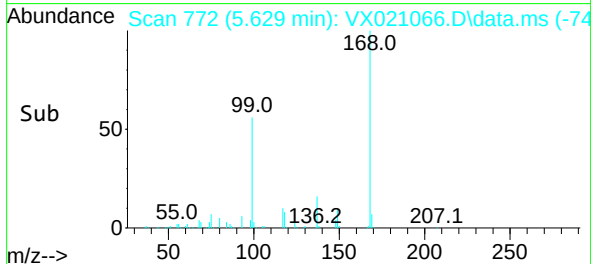
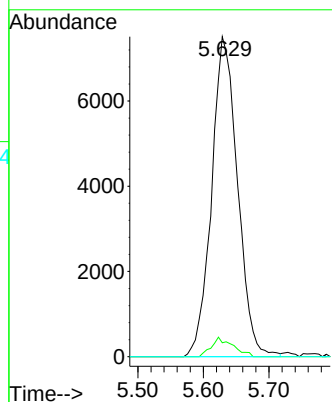
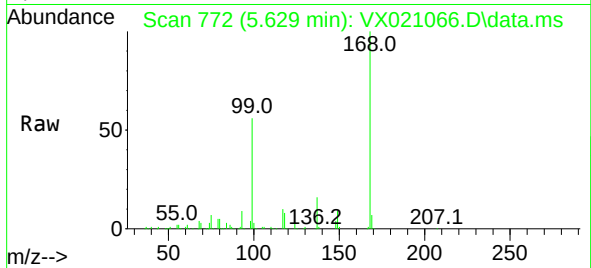




#38
Carbon Tetrachloride
Concen: 5.61 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

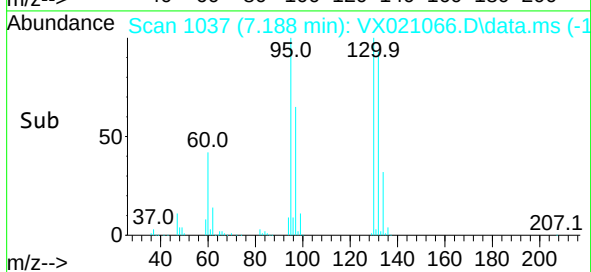
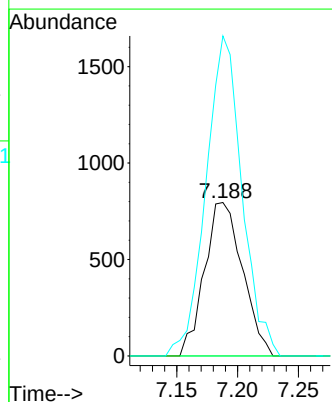
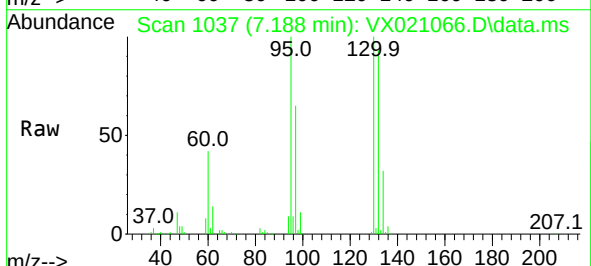
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9N-20210305

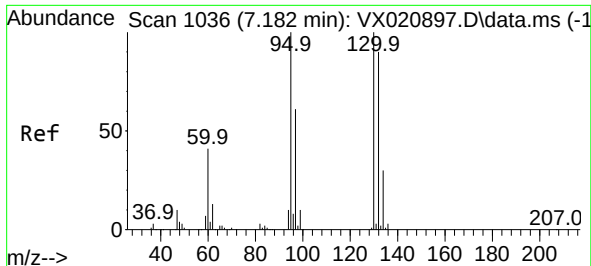
Tgt Ion:117 Resp: 20633
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 0.36 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

Tgt Ion: 83 Resp: 1730
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 208.7 38.1 57.1#

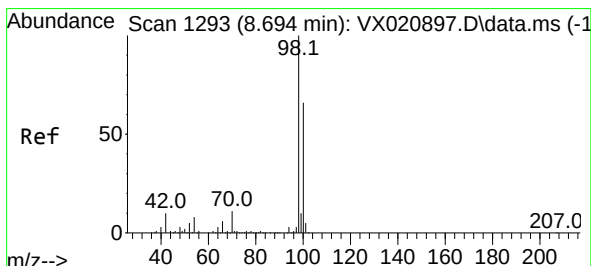
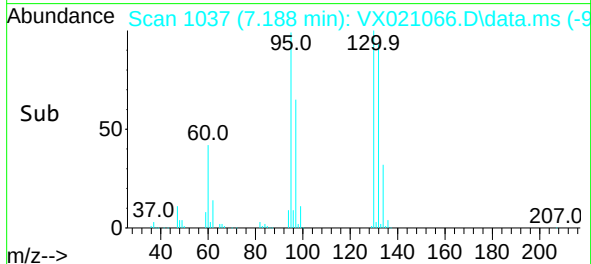
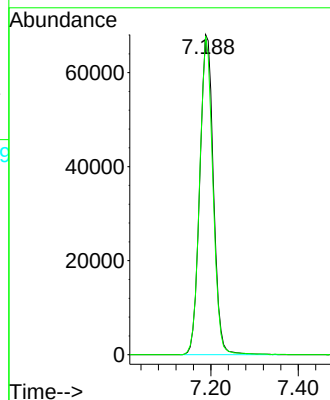
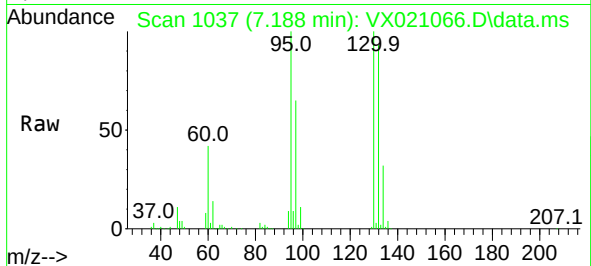




#44
Trichloroethene
Concen: 49.42 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

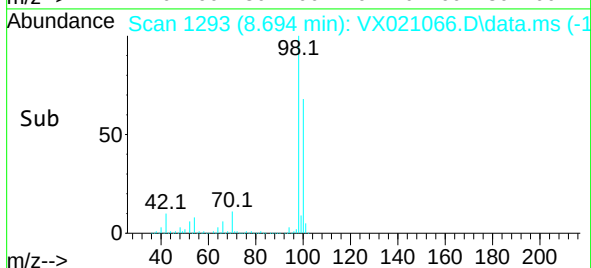
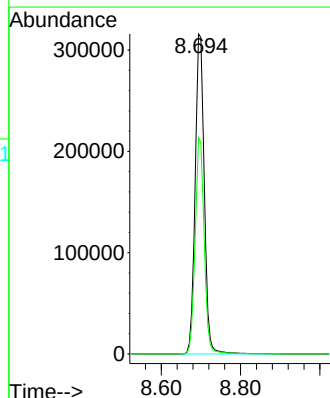
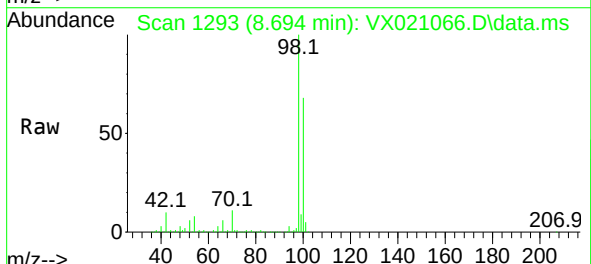
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9N-20210305

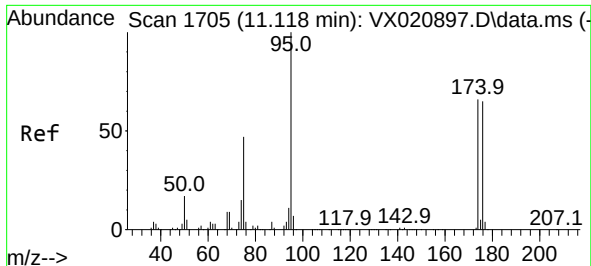
Tgt Ion:130 Resp: 147720
Ion Ratio Lower Upper
130 100
95 99.6 0.0 198.0



#50
Toluene-d8
Concen: 53.32 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

Tgt Ion: 98 Resp: 504062
Ion Ratio Lower Upper
98 100
100 67.0 51.9 77.9

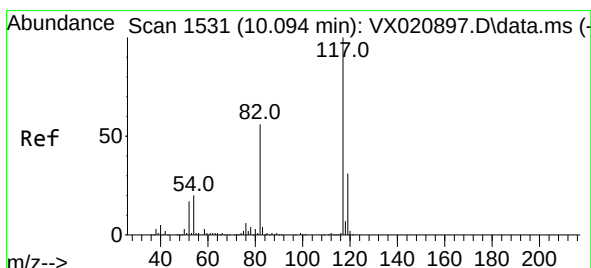
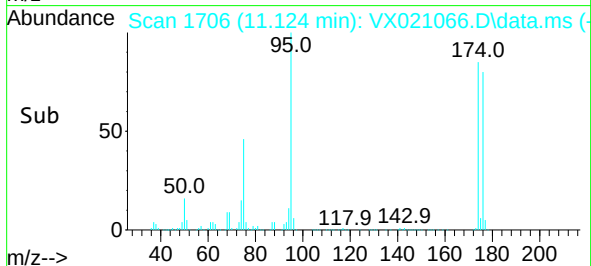
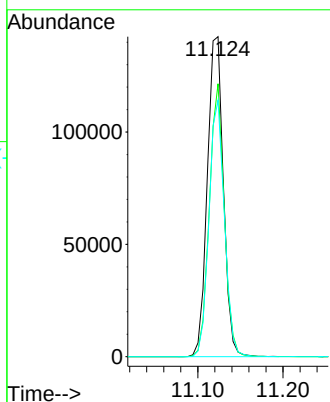
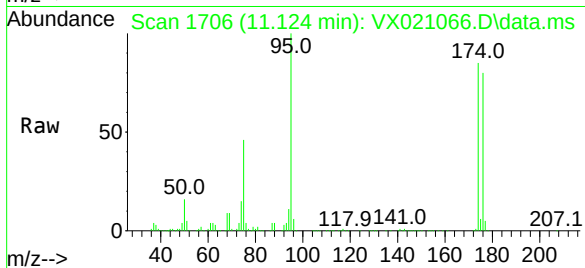




#62
4-Bromofluorobenzene
Concen: 53.33 ug/l
RT: 11.124 min Scan# 1706
Delta R.T. 0.006 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

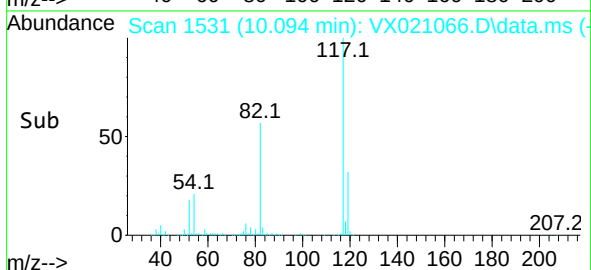
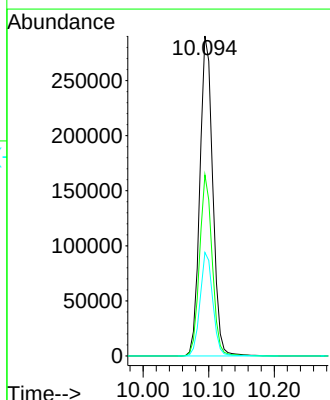
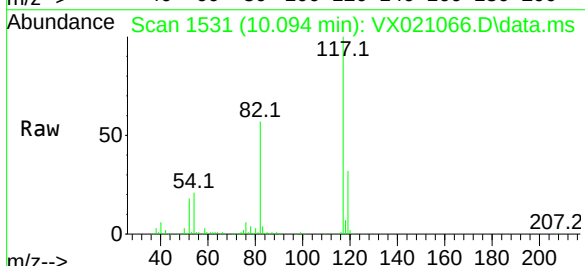
Instrument :
MSVOA_X
ClientSampleId :
MH-125.9N-20210305

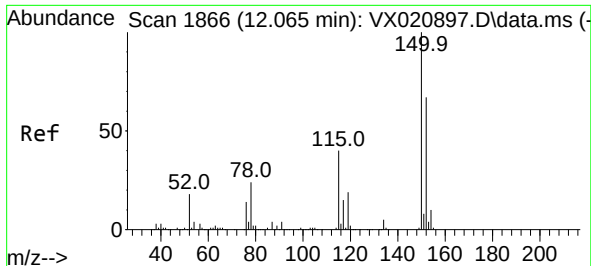
Tgt Ion: 95 Resp: 186412
Ion Ratio Lower Upper
95 100
174 79.2 0.0 154.6
176 76.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021066.D
Acq: 08 Mar 2021 17:05

Tgt Ion: 117 Resp: 397547
Ion Ratio Lower Upper
117 100
82 56.6 47.4 71.2
119 32.3 26.6 39.8

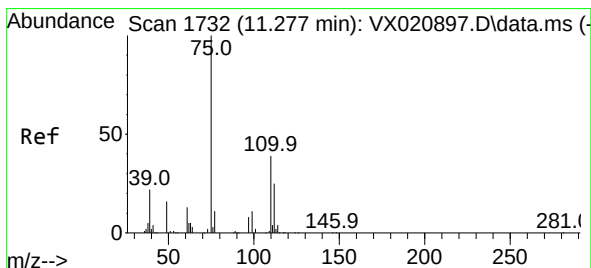
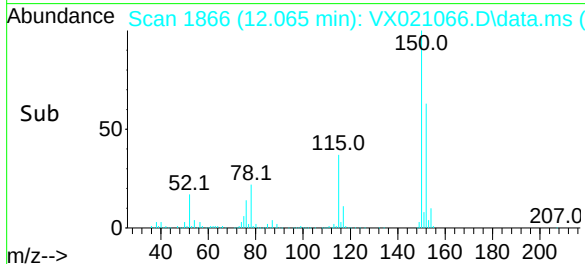
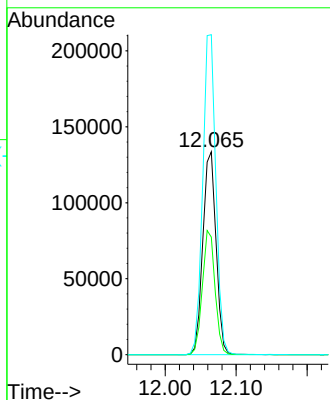
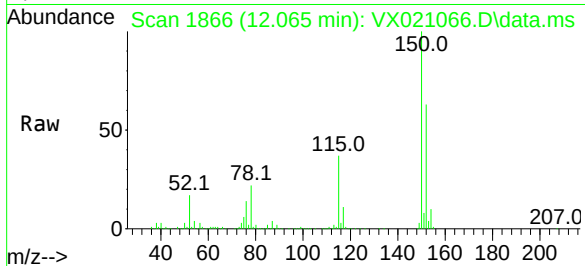




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.065 min Scan# 1866
 Delta R.T. -0.000 min
 Lab File: VX021066.D
 Acq: 08 Mar 2021 17:05

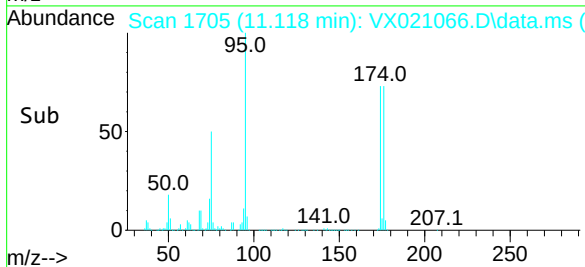
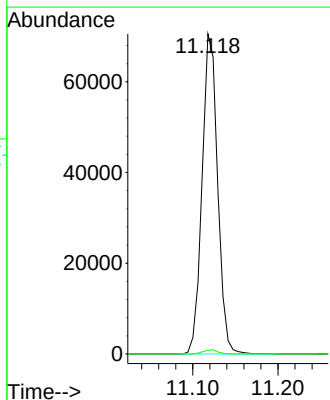
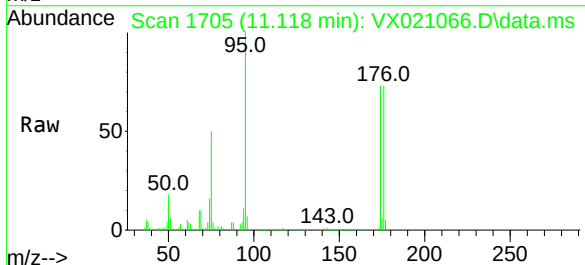
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-125.9N-20210305

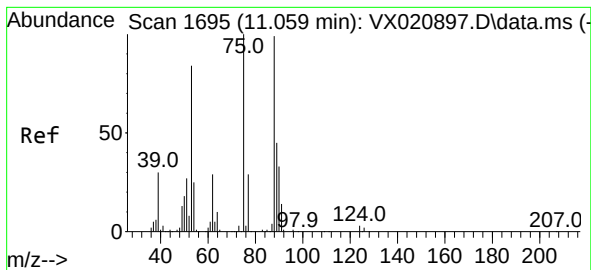
Tgt Ion:152 Resp: 173042
 Ion Ratio Lower Upper
 152 100
 115 58.8 41.1 123.3
 150 157.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.00 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021066.D
 Acq: 08 Mar 2021 17:05

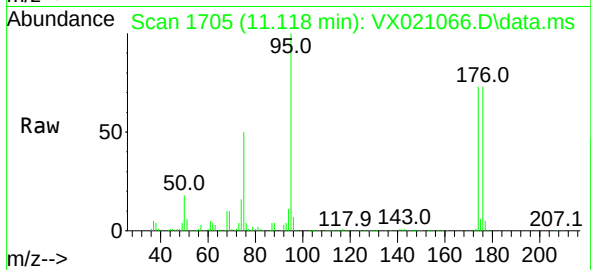
Tgt Ion: 75 Resp: 89347
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.14 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021066.D
 Acq: 08 Mar 2021 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-125.9N-20210305



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

