

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030421\
 Data File : VX020980.D
 Acq On : 02 Mar 2021 21:23
 Operator : JC/MD
 Sample : M1545-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 01:19:40 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	202507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	378059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	373648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	159978	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	132991	48.62	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.24%
35) Dibromofluoromethane	5.464	113	116240	50.60	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.20%
50) Toluene-d8	8.694	98	468282	52.29	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.58%
62) 4-Bromofluorobenzene	11.117	95	172771	52.17	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.34%

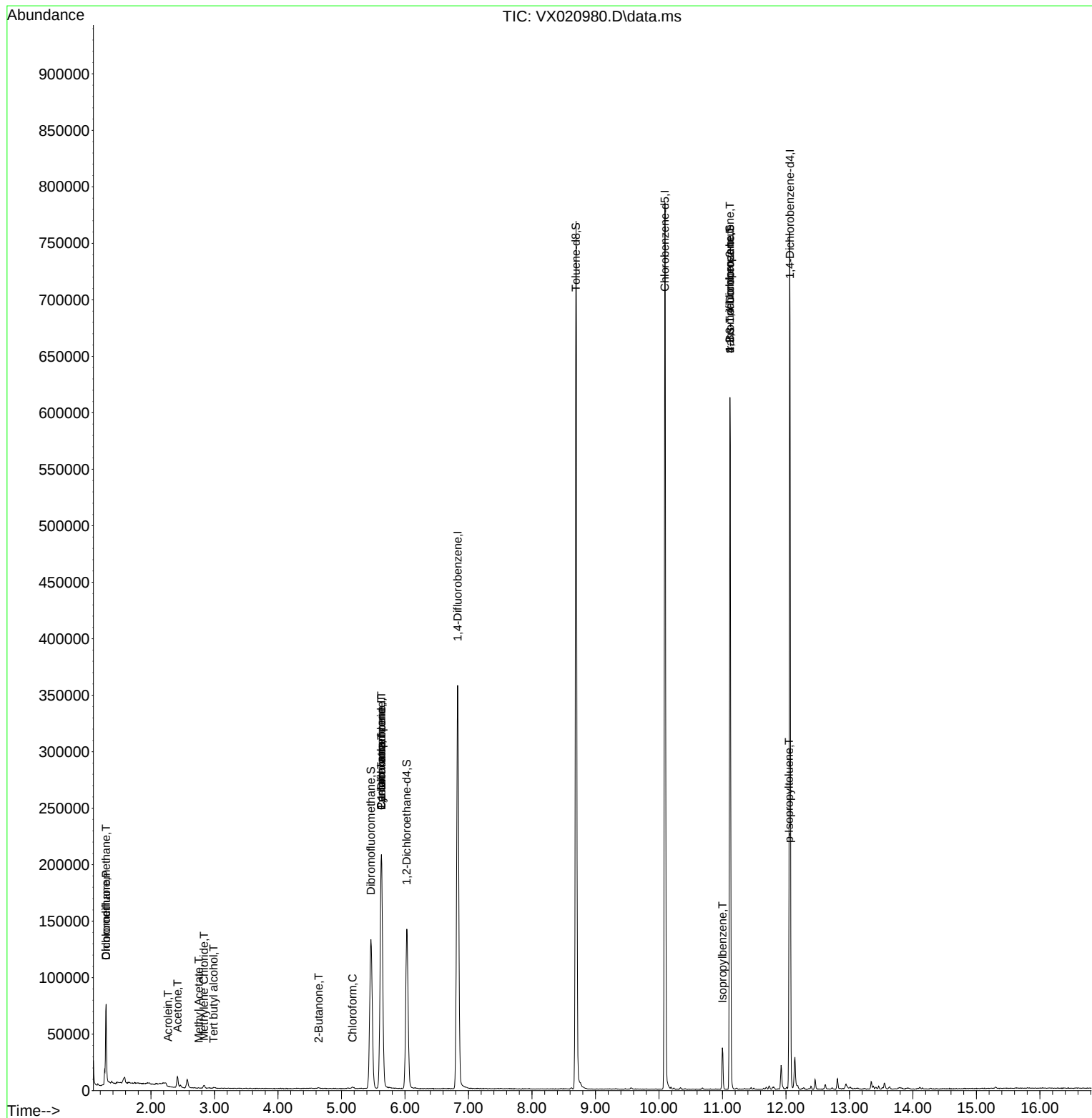
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.293	85	5975	2.73	ug/l	97
3) Chloromethane	1.293	50	987	0.41	ug/l #	42
5) Bromomethane	1.640	94	241	Below Cal		88
11) Tert butyl alcohol	2.987	59	301	0.49	ug/l #	73
13) Acrolein	2.269	56	86	0.23	ug/l #	14
16) Acetone	2.416	43	9901	8.78	ug/l	99
18) Methyl Acetate	2.752	43	701	0.26	ug/l #	47
20) Methylene Chloride	2.834	84	1229	0.45	ug/l	97
25) 2-Butanone	4.640	43	1079	0.63	ug/l #	45
30) Chloroform	5.176	83	1591	0.36	ug/l	91
31) Cyclohexane	5.629	56	4031	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	15305	4.26	ug/l #	48
38) Carbon Tetrachloride	5.629	117	19241	5.53	ug/l #	16
73) Isopropylbenzene	11.000	105	19559	1.55	ug/l	100
76) 1,2,3-Trichloropropane	11.117	75	82015	23.83	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.117	75	82015	52.76	ug/l #	12
86) p-Isopropyltoluene	12.047	119	4362	0.39	ug/l #	86

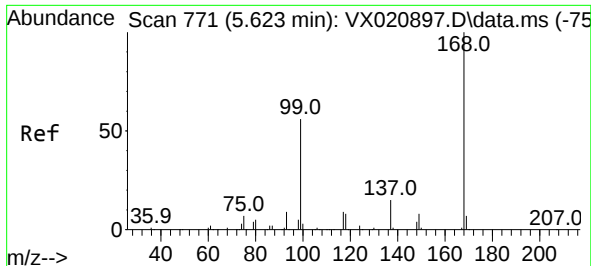
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

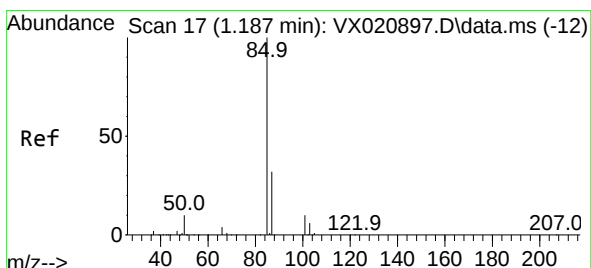
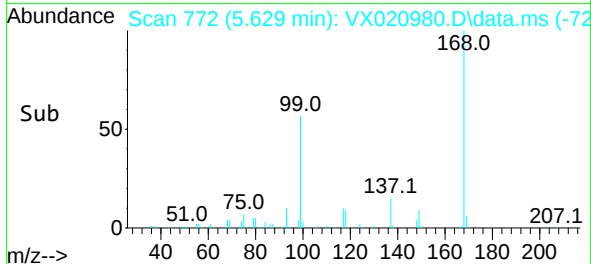
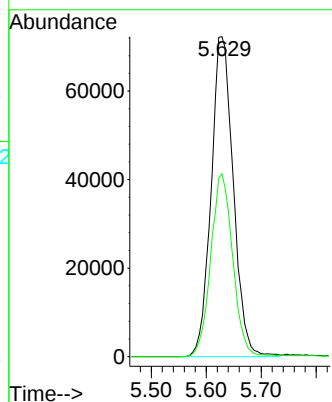
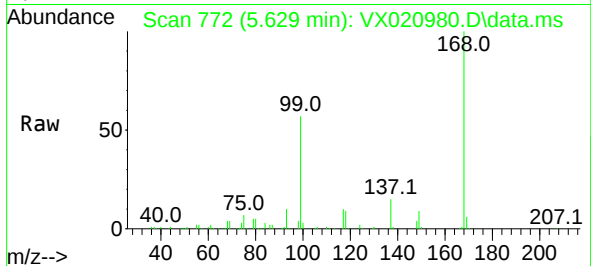




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

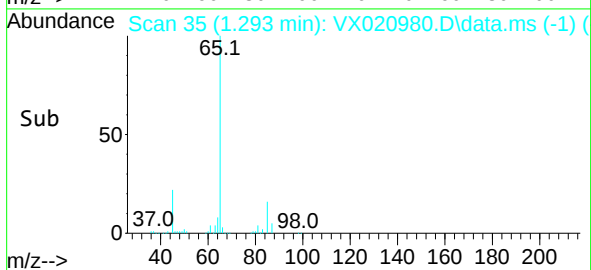
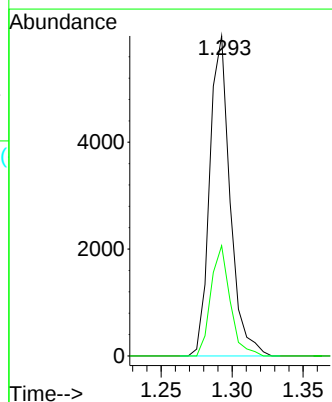
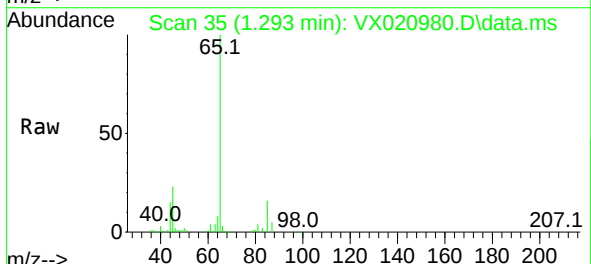
Instrument :
MSVOA_X
ClientSampleId :

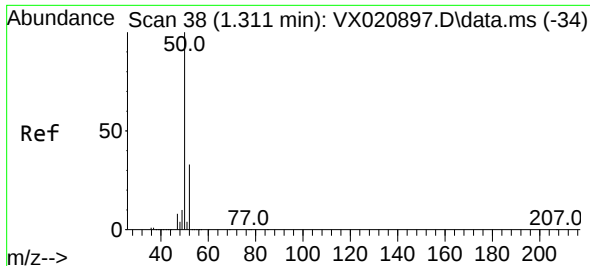
Tgt Ion:168 Resp: 202507
Ion Ratio Lower Upper
168 100
99 57.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 2.73 ug/l
RT: 1.293 min Scan# 35
Delta R.T. 0.105 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

Tgt Ion: 85 Resp: 5975
Ion Ratio Lower Upper
85 100
87 34.5 16.4 49.2

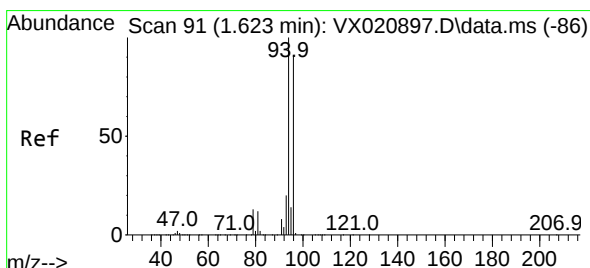
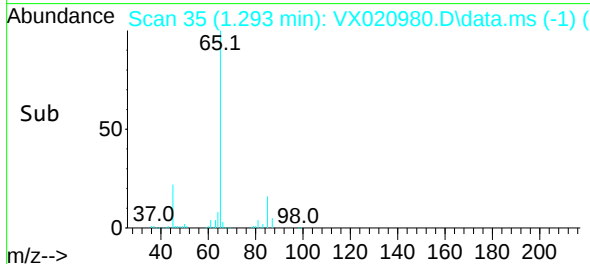
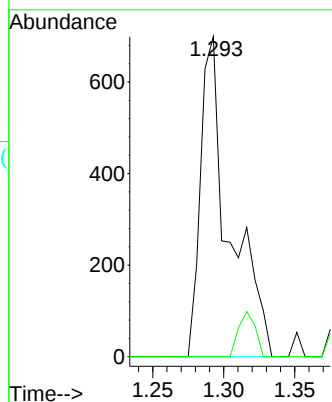
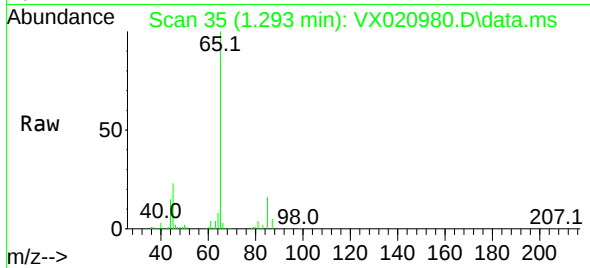




#3
Chloromethane
Concen: 0.41 ug/l
RT: 1.293 min Scan# 35
Delta R.T. -0.018 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

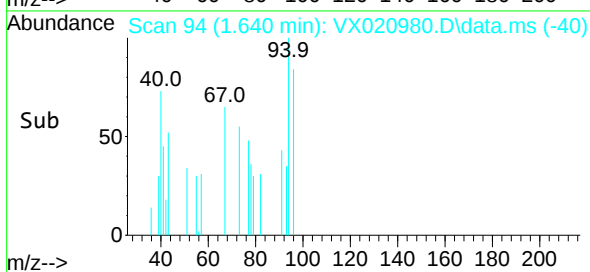
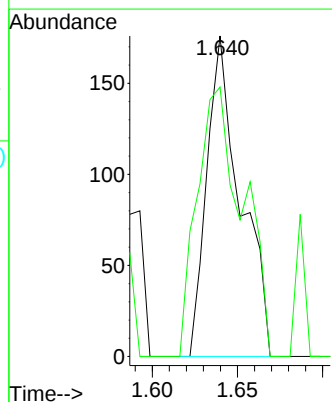
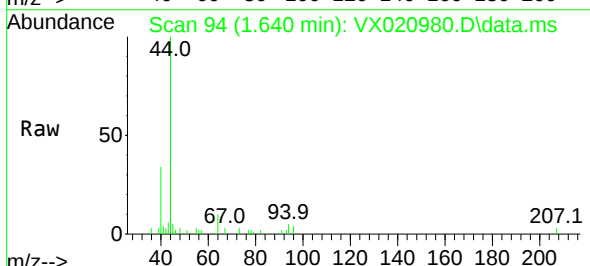
Instrument :
MSVOA_X
ClientSampleId :

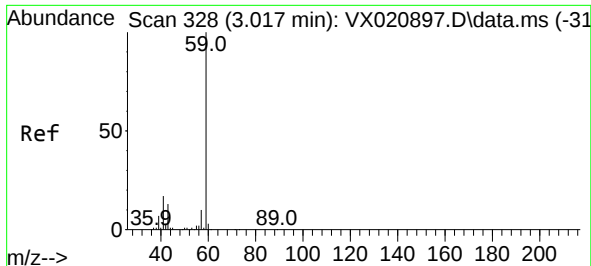
Tgt Ion: 50 Resp: 987
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#5
Bromomethane
Concen: Below Cal
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

Tgt Ion: 94 Resp: 241
Ion Ratio Lower Upper
94 100
96 84.1 76.4 114.6



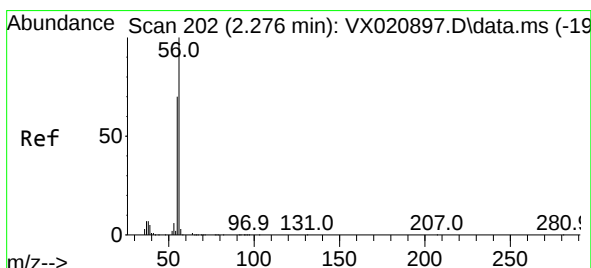
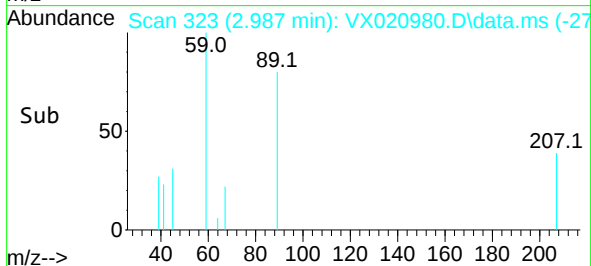
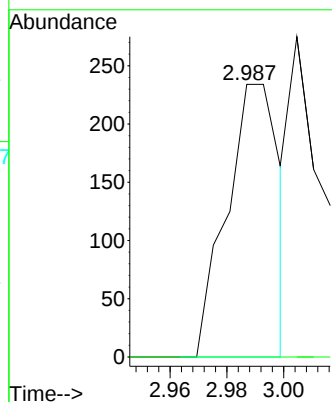
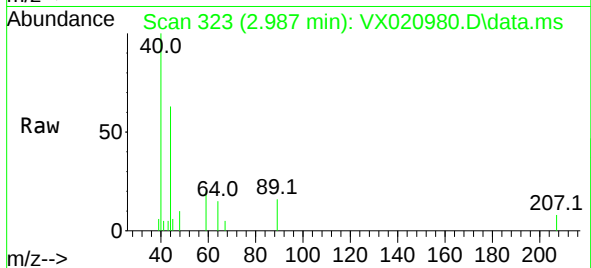


#11

Tert butyl alcohol
Concen: 0.49 ug/l
RT: 2.987 min Scan# 323
Delta R.T. -0.030 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

Instrument :
MSVOA_X
ClientSampled :

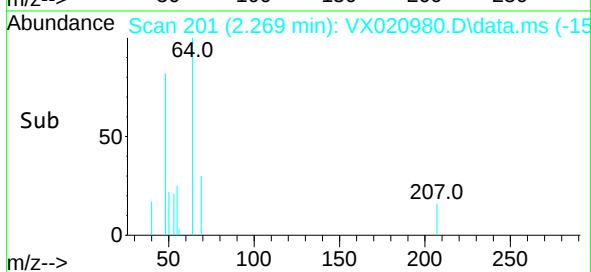
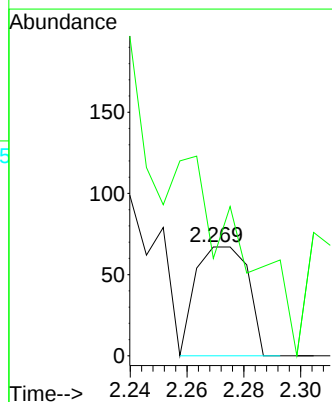
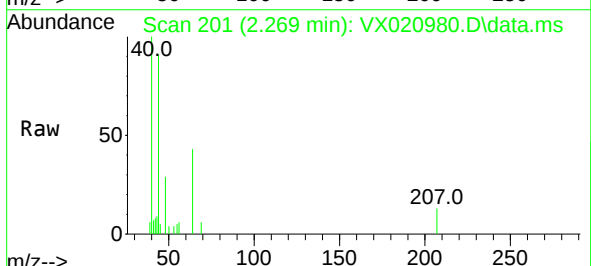
Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

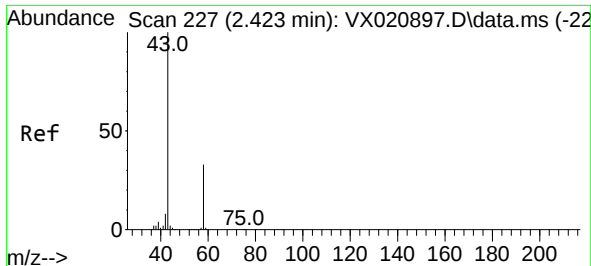


#13

Acrolein
Concen: 0.23 ug/l
RT: 2.269 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

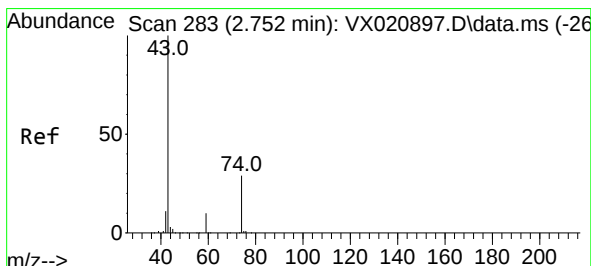
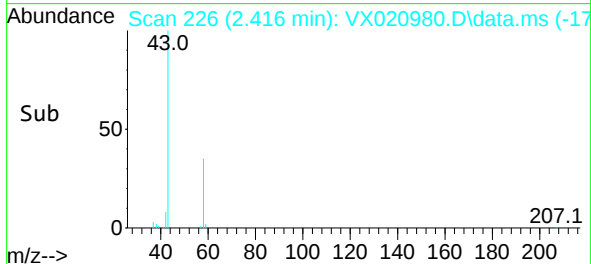
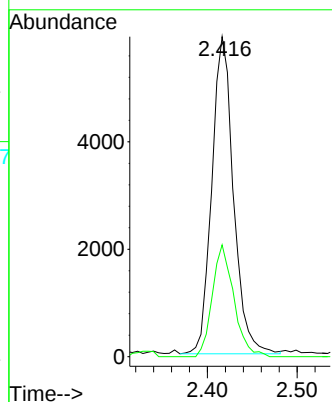
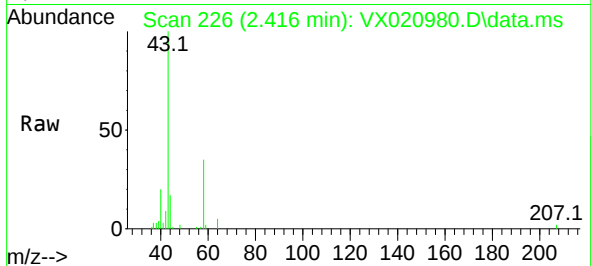




#16
Acetone
Concen: 8.78 ug/l
RT: 2.416 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

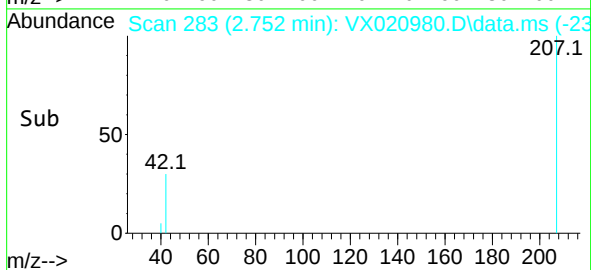
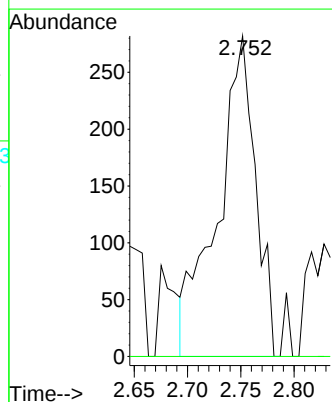
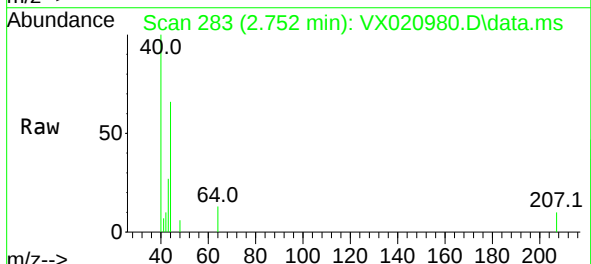
Instrument :
MSVOA_X
ClientSampled :

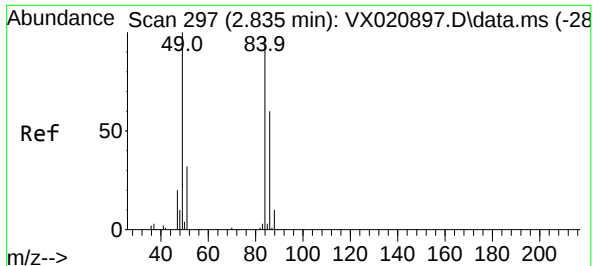
Tgt Ion: 43 Resp: 9901
Ion Ratio Lower Upper
43 100
58 35.3 27.8 41.8



#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.001 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.45 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.000 min

Lab File: VX020980.D

Acq: 02 Mar 2021 21:23

Tgt Ion: 84 Resp: 1229

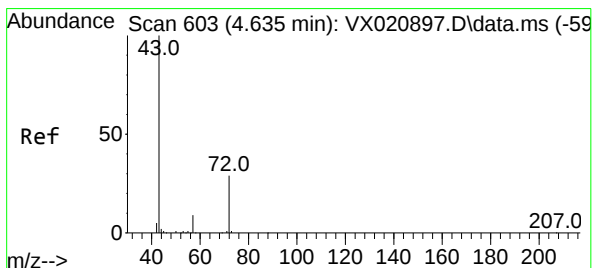
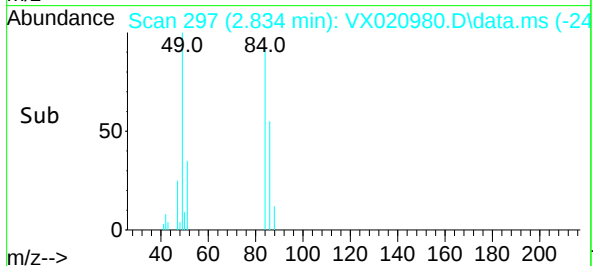
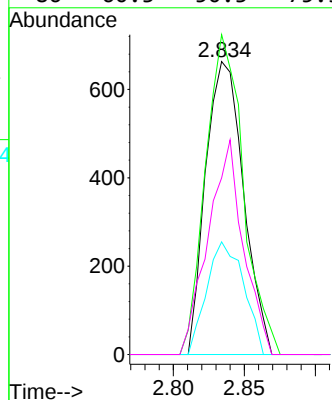
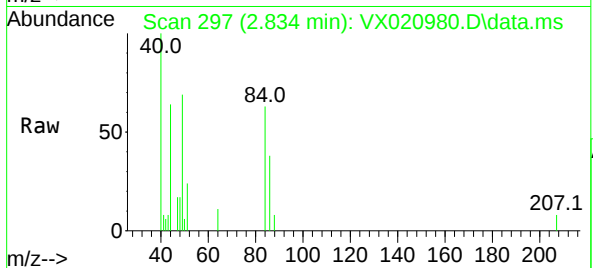
Ion Ratio Lower Upper

84 100

49 109.2 88.6 132.8

51 38.5 27.0 40.6

86 60.3 50.3 75.5



#25

2-Butanone

Concen: 0.63 ug/l

RT: 4.640 min Scan# 604

Delta R.T. 0.005 min

Lab File: VX020980.D

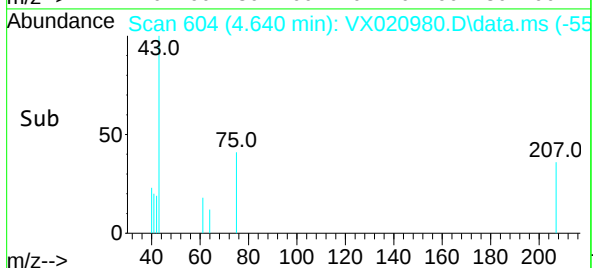
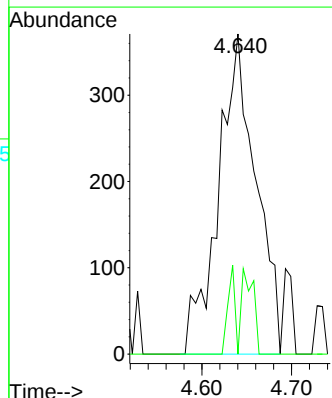
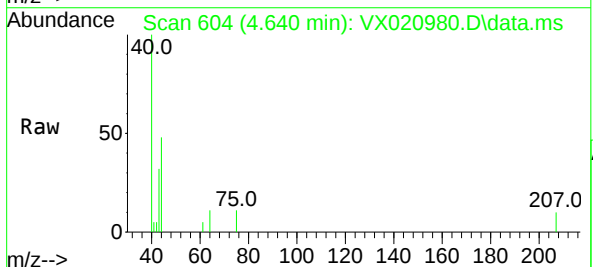
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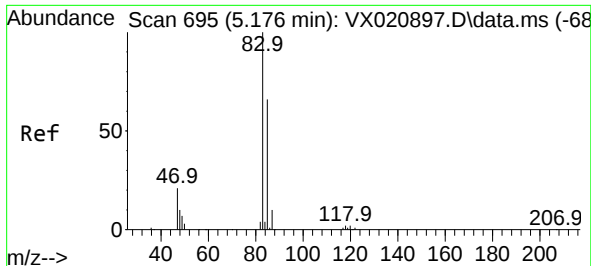
Tgt Ion: 43 Resp: 1079

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#30

Chloroform

Concen: 0.36 ug/l

RT: 5.176 min Scan# 695

Delta R.T. -0.000 min

Lab File: VX020980.D

Acq: 02 Mar 2021 21:23

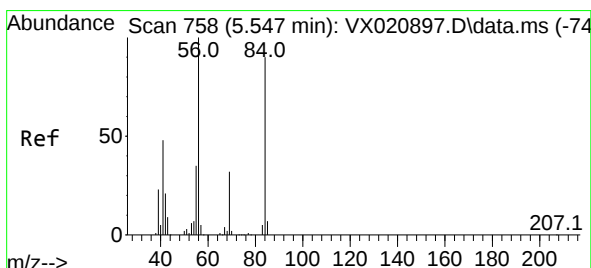
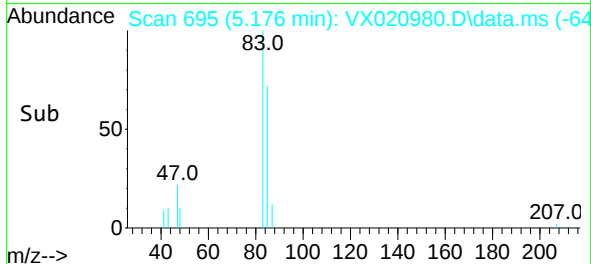
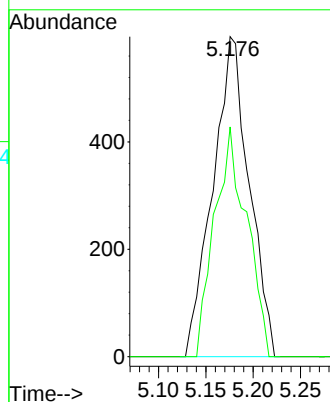
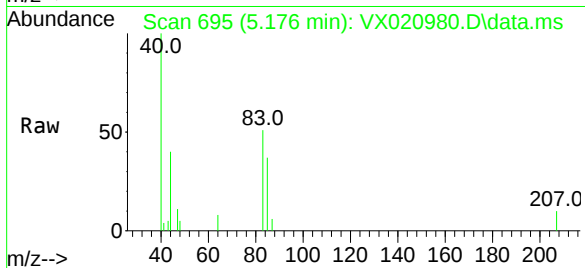
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 83 Resp: 1591

Ion Ratio Lower Upper

83 100

85 71.8 52.0 78.0



#31

Cyclohexane

Concen: 1.02 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.082 min

Lab File: VX020980.D

Acq: 02 Mar 2021 21:23

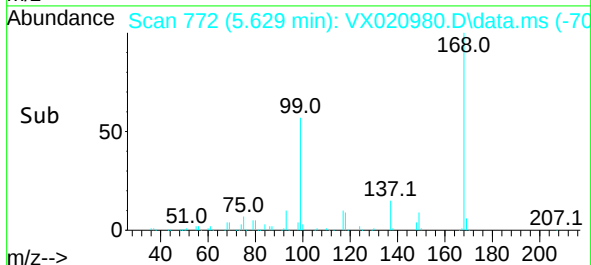
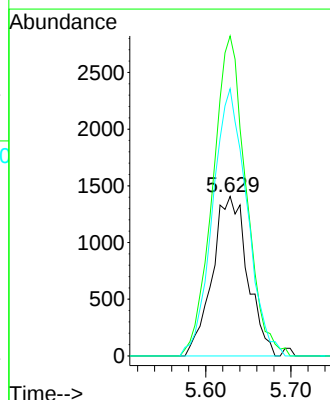
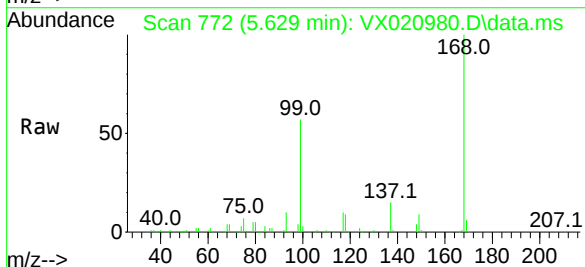
Tgt Ion: 56 Resp: 4031

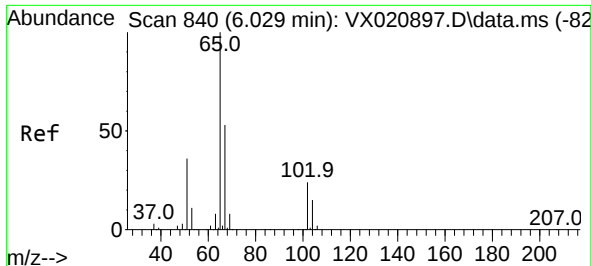
Ion Ratio Lower Upper

56 100

69 200.7 25.3 37.9#

84 167.6 71.4 107.0#

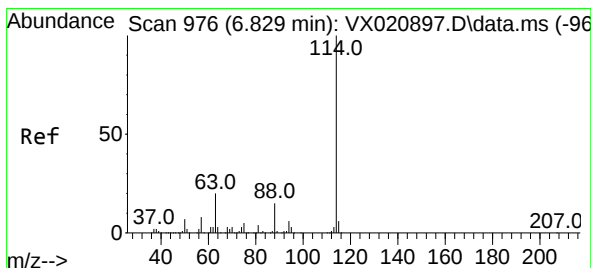
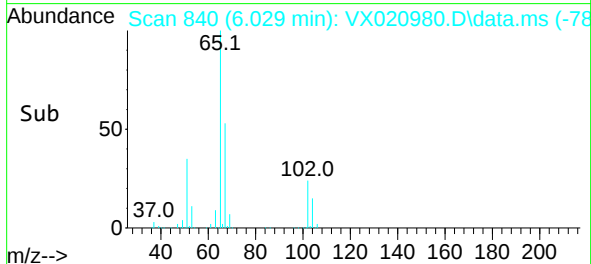
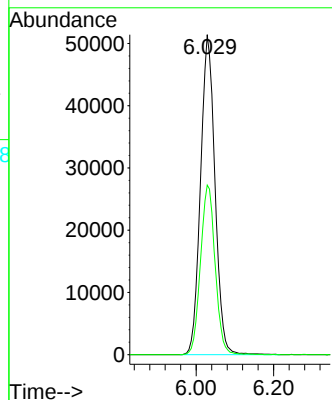
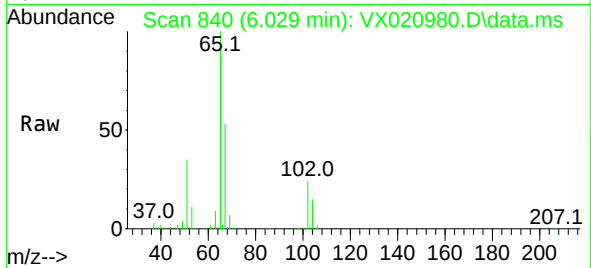




#33
 1,2-Dichloroethane-d4
 Concen: 48.62 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. -0.000 min
 Lab File: VX020980.D
 Acq: 02 Mar 2021 21:23

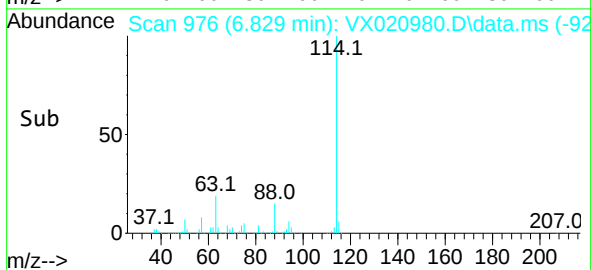
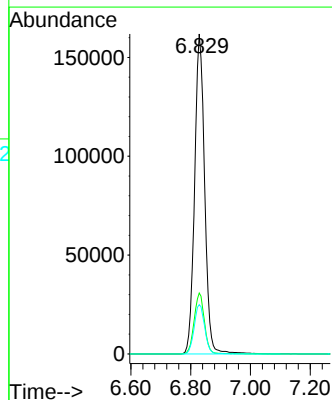
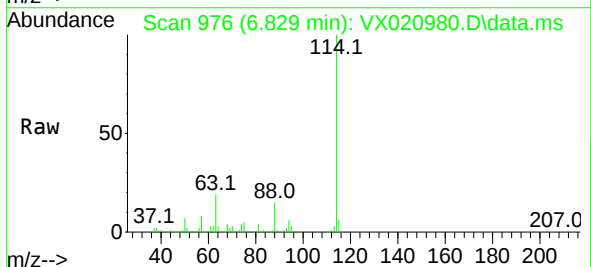
Instrument :
 MSVOA_X
 ClientSampled :

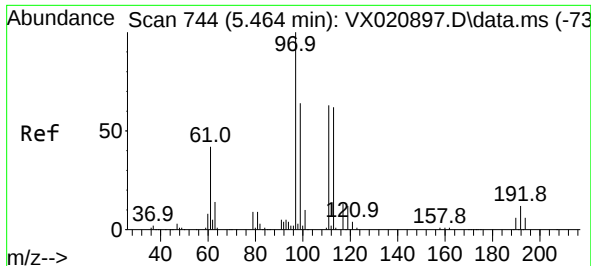
Tgt Ion: 65 Resp: 132991
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. -0.000 min
 Lab File: VX020980.D
 Acq: 02 Mar 2021 21:23

Tgt Ion: 114 Resp: 378059
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.8
 88 15.4 0.0 32.8

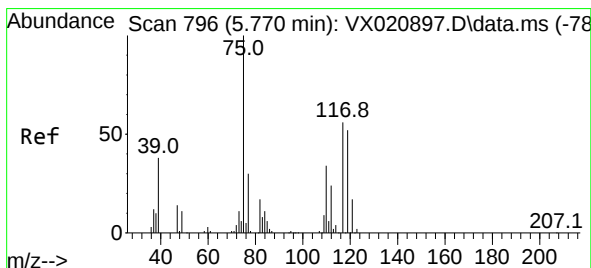
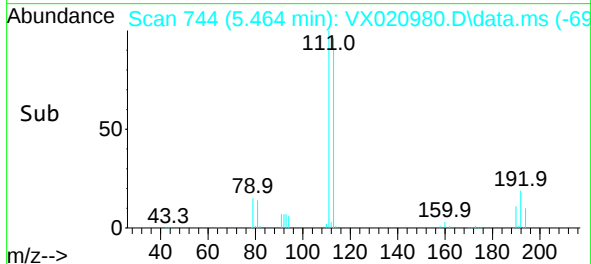
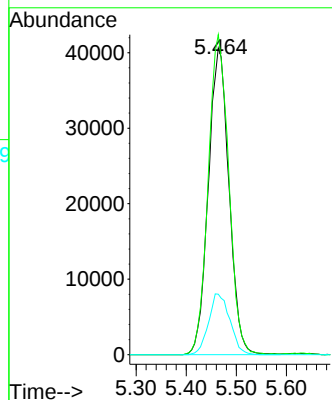
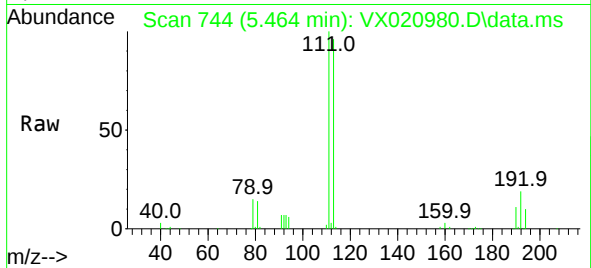




#35
Dibromofluoromethane
Concen: 50.60 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

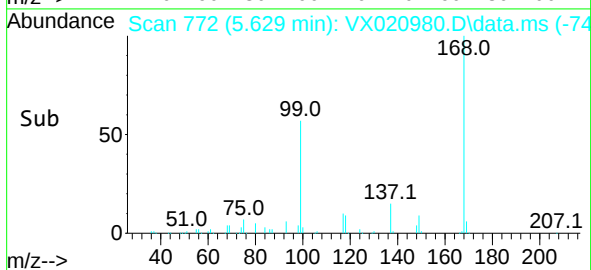
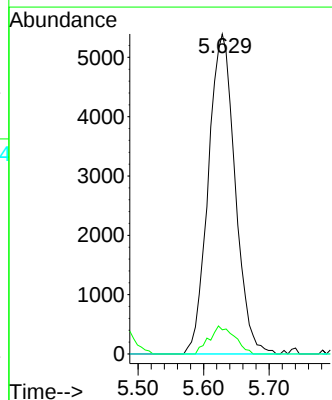
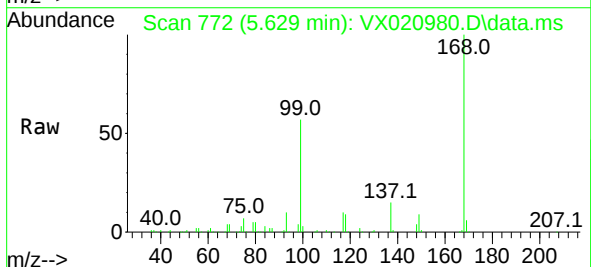
Instrument :
MSVOA_X
ClientSampleId :

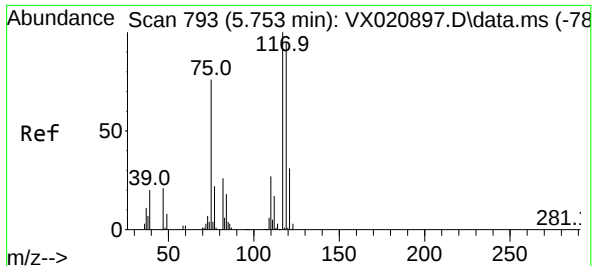
Tgt Ion:113 Resp: 116240
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.26 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.142 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

Tgt Ion: 75 Resp: 15305
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 25.3 37.9#

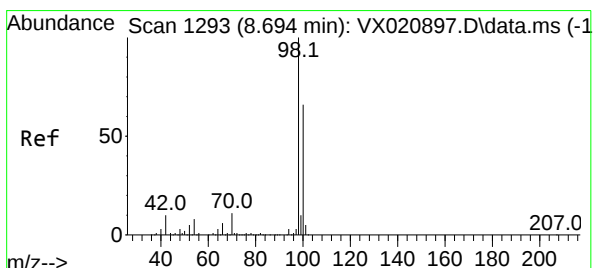
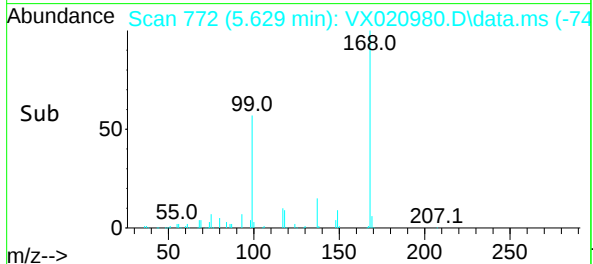
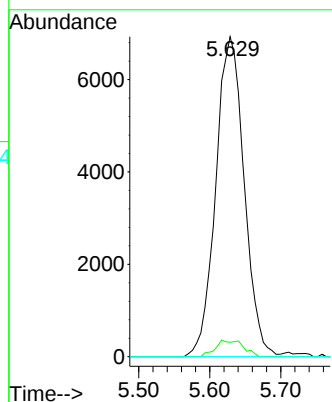
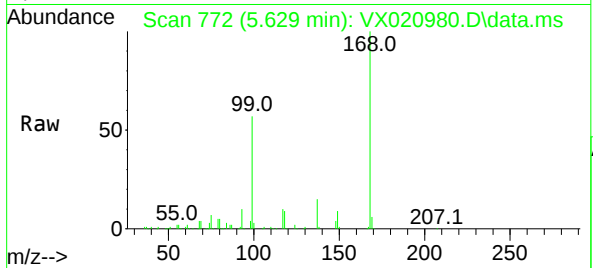




#38
Carbon Tetrachloride
Concen: 5.53 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

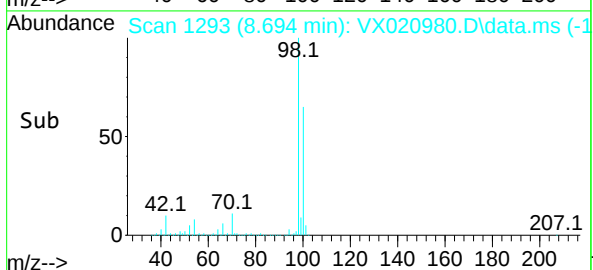
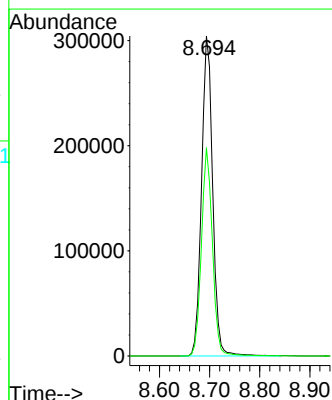
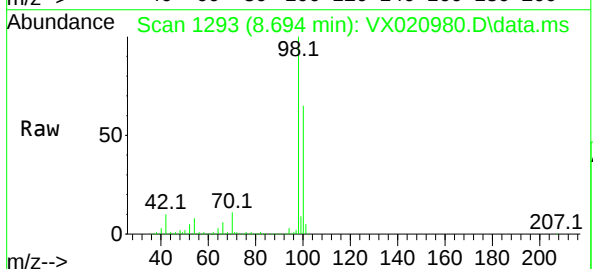
Instrument :
MSVOA_X
ClientSampled :

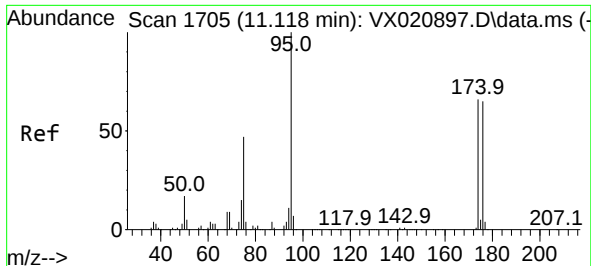
Tgt Ion:117 Resp: 19241
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.29 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

Tgt Ion: 98 Resp: 468282
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

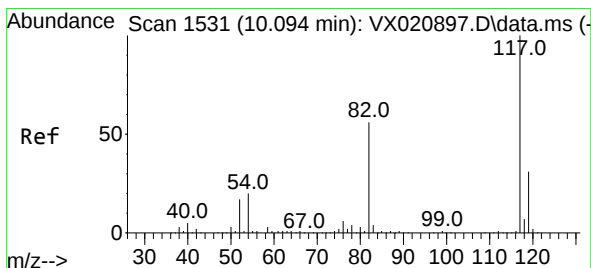
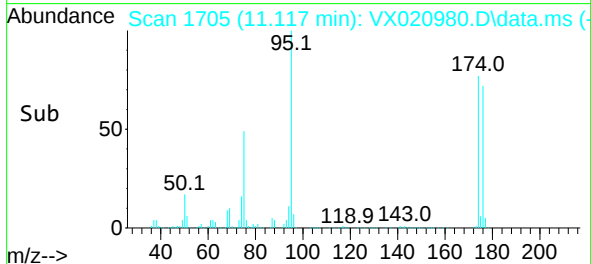
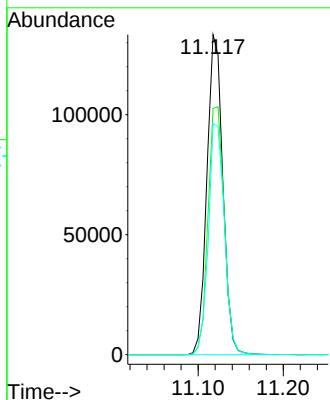
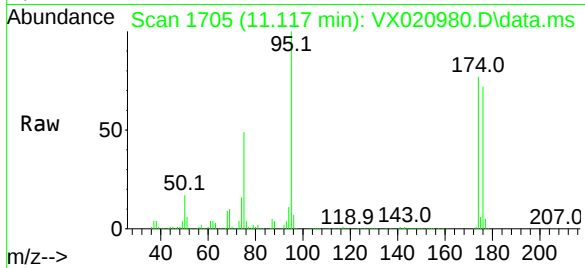




#62
4-Bromofluorobenzene
Concen: 52.17 ug/l
RT: 11.117 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

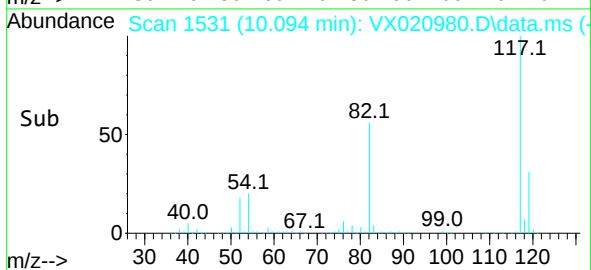
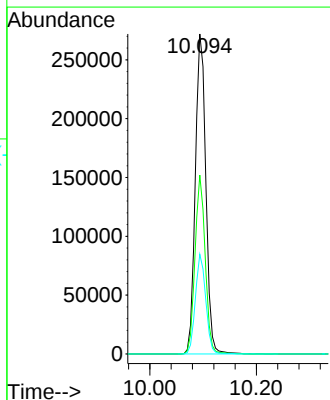
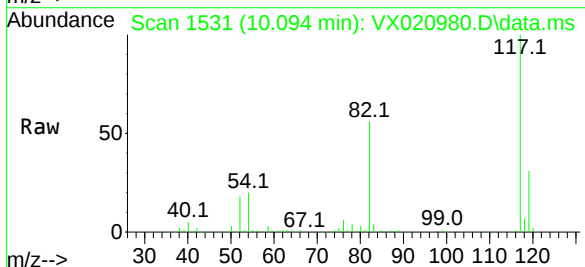
Instrument :
MSVOA_X
ClientSampled :

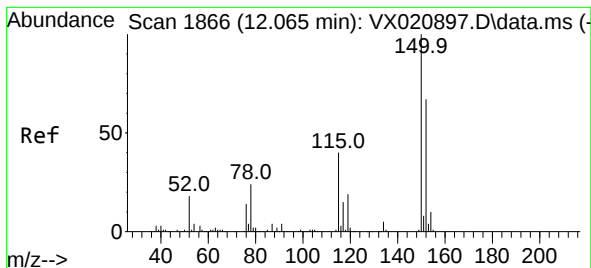
Tgt Ion: 95 Resp: 172771
Ion Ratio Lower Upper
95 100
174 79.3 0.0 154.6
176 72.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

Tgt Ion: 117 Resp: 373648
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 31.1 26.6 39.8

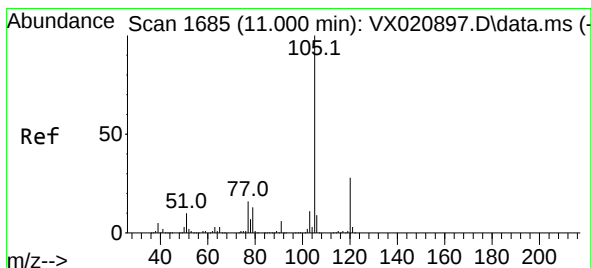
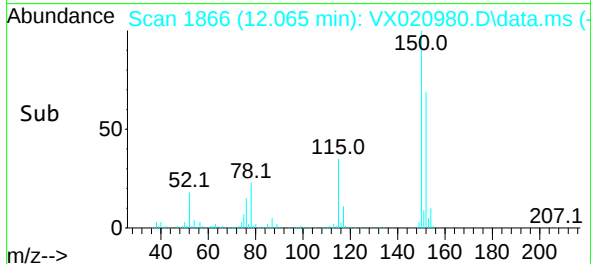
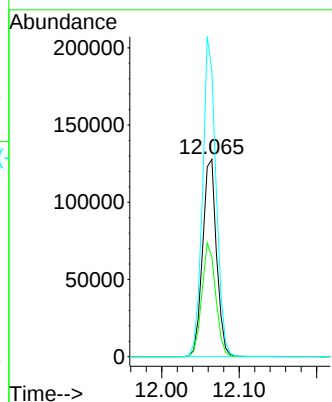
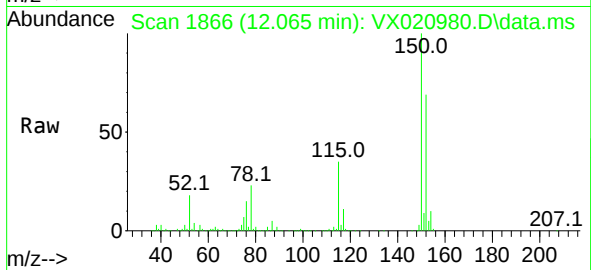




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

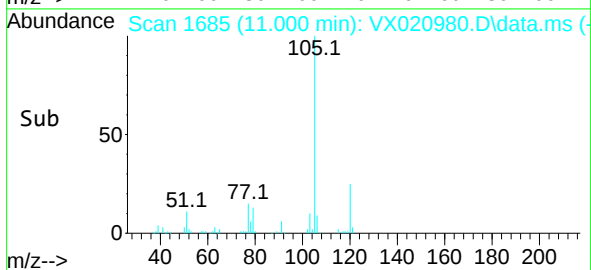
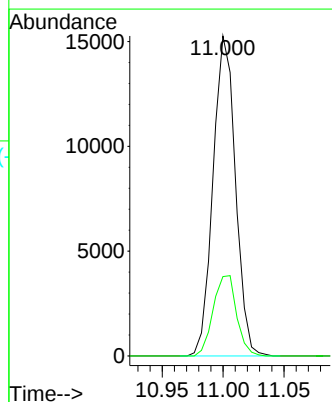
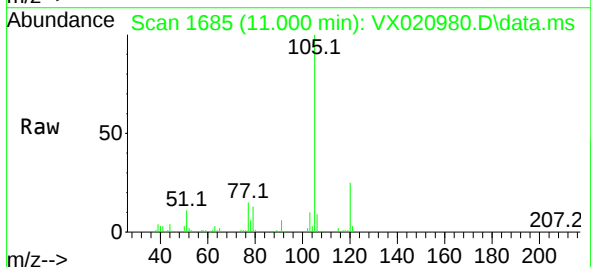
Instrument :
MSVOA_X
ClientSampled :

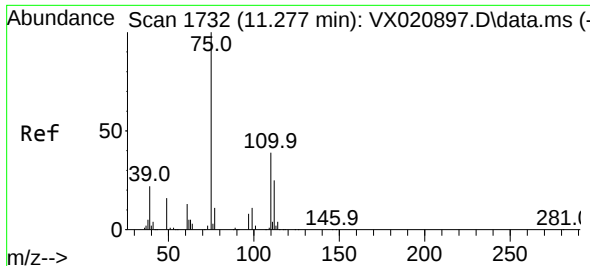
Tgt Ion:152 Resp: 159978
Ion Ratio Lower Upper
152 100
115 57.1 41.1 123.3
150 156.2 0.0 349.0



#73
Isopropylbenzene
Concen: 1.55 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

Tgt Ion:105 Resp: 19559
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6

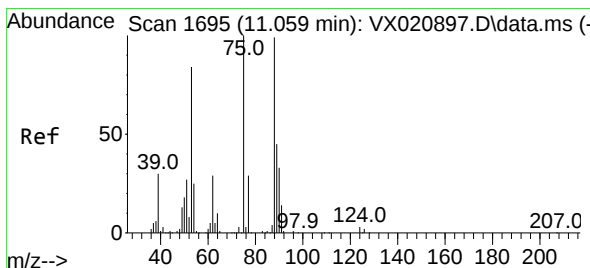
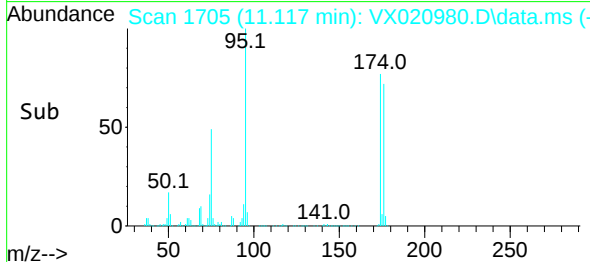
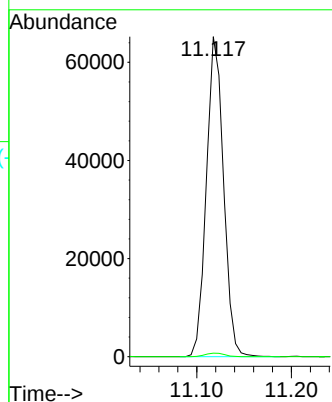
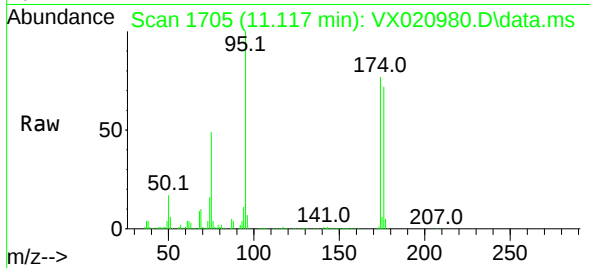




#76
1,2,3-Trichloropropane
Concen: 23.83 ug/l
RT: 11.117 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

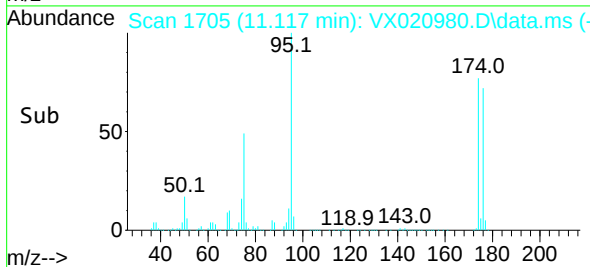
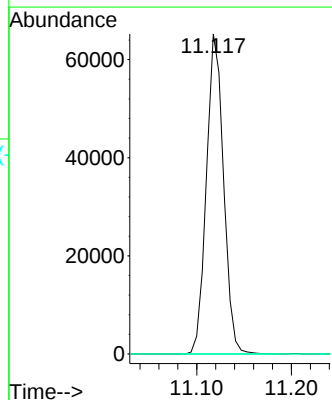
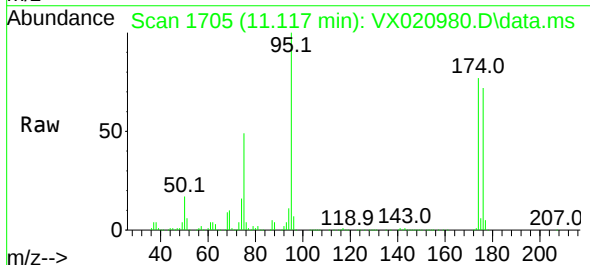
Instrument :
MSVOA_X
ClientSampled :

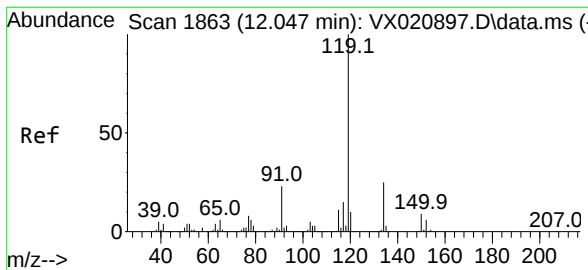
Tgt Ion: 75 Resp: 82015
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.76 ug/l
RT: 11.117 min Scan# 1705
Delta R.T. 0.058 min
Lab File: VX020980.D
Acq: 02 Mar 2021 21:23

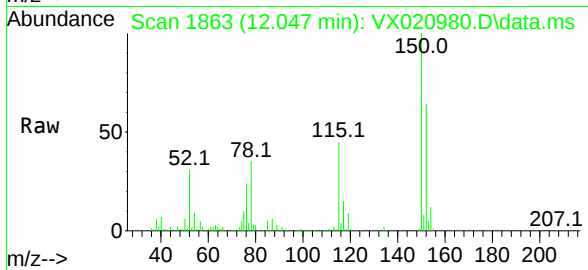
Tgt Ion: 75 Resp: 82015
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#86
 p-Isopropyltoluene
 Concen: 0.39 ug/l
 RT: 12.047 min Scan# 1863
 Delta R.T. -0.000 min
 Lab File: VX020980.D
 Acq: 02 Mar 2021 21:23

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:119 Resp: 4362
 Ion Ratio Lower Upper
 119 100
 134 28.2 12.9 38.7
 91 35.3 11.7 35.0#

