

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030421\
 Data File : VX020985.D
 Acq On : 02 Mar 2021 23:19
 Operator : JC/MD
 Sample : M1536-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 01:21:22 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)

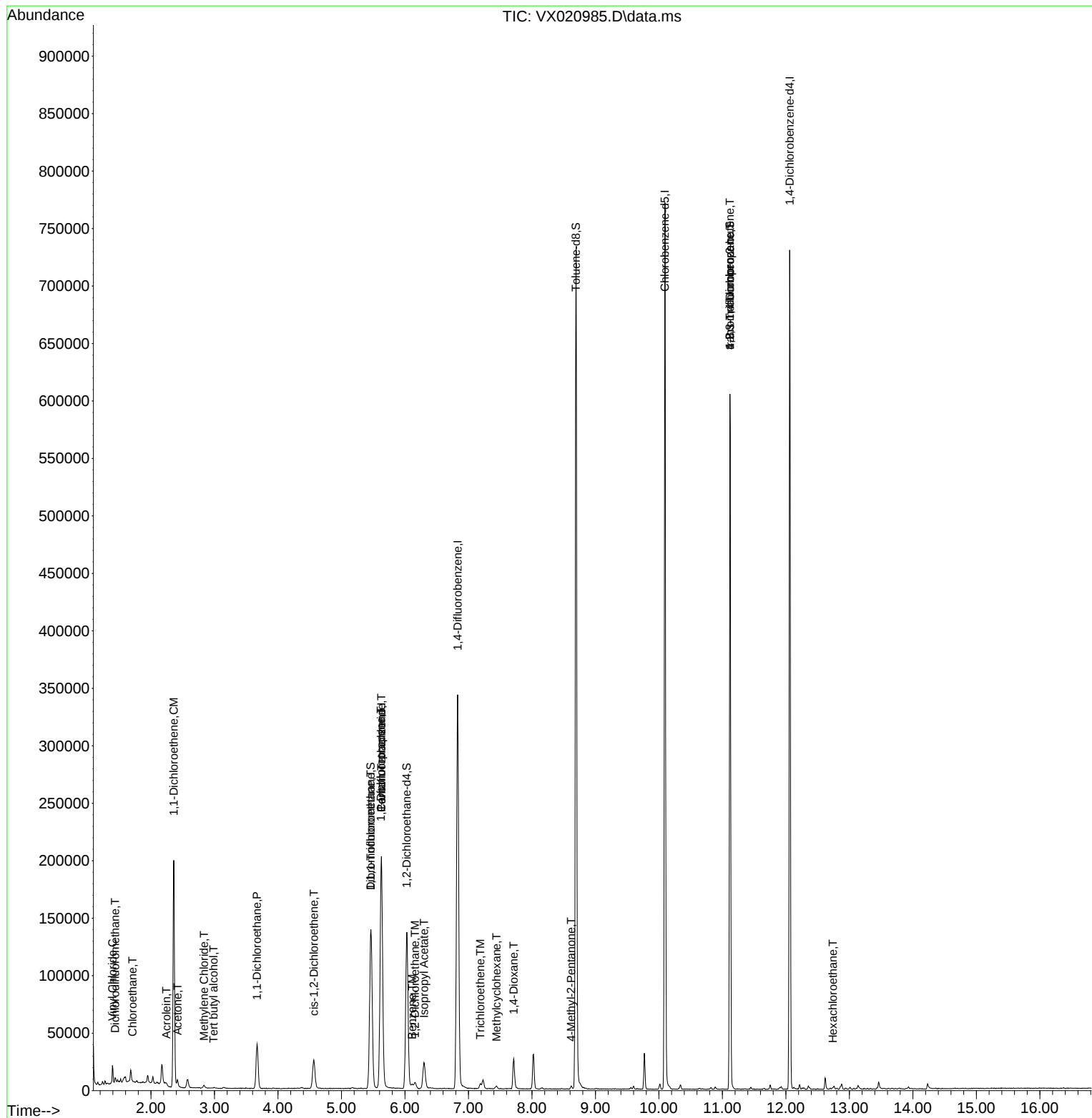
Internal Standards						
1) Pentafluorobenzene	5.629	168	198278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	365444	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	350285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	151057	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	128686	48.05	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.10%
35) Dibromofluoromethane	5.458	113	114439	51.54	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.08%
50) Toluene-d8	8.694	98	453815	52.42	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.84%
62) 4-Bromofluorobenzene	11.118	95	166070	51.88	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.76%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.434	85	740	0.35	ug/l	90
4) Vinyl Chloride	1.393	62	9287	3.39	ug/l	98
5) Bromomethane	1.640	94	290	Below Cal	#	64
6) Chloroethane	1.711	64	383	0.22	ug/l	96
11) Tert butyl alcohol	2.987	59	479	0.80	ug/l	# 73
12) 1,1-Dichloroethene	2.358	96	69005	31.09	ug/l	97
13) Acrolein	2.240	56	138	0.37	ug/l	# 1
16) Acetone	2.417	43	6490	5.88	ug/l	99
20) Methylene Chloride	2.834	84	854	0.32	ug/l	# 79
24) 1,1-Dichloroethane	3.670	63	43463	10.12	ug/l	98
27) cis-1,2-Dichloroethene	4.564	96	16482	5.74	ug/l	88
32) 1,1,1-Trichloroethane	5.458	97	9718	2.58	ug/l	97
36) 1,1-Dichloropropene	5.623	75	14911	4.29	ug/l	# 48
38) Carbon Tetrachloride	5.629	117	18650	5.54	ug/l	# 16
39) Methylcyclohexane	7.441	83	1010	0.23	ug/l	95
40) Benzene	6.111	78	3701	0.36	ug/l	99
42) 1,2-Dichloroethane	6.158	62	5653	1.63	ug/l	99
43) Isopropyl Acetate	6.300	43	6187	1.10	ug/l	# 57
44) Trichloroethene	7.188	130	1524	0.56	ug/l	97
49) 1,4-Dioxane	7.712	88	20363	309.38	ug/l	95
51) 4-Methyl-2-Pentanone	8.618	43	1730	0.53	ug/l	87
76) 1,2,3-Trichloropropane	11.118	75	80314	24.71	ug/l	# 40
81) trans-1,4-Dichloro-2-b...	11.118	75	80314	54.72	ug/l	# 17
90) Hexachloroethane	12.742	117	570	0.29	ug/l	# 9

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

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Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

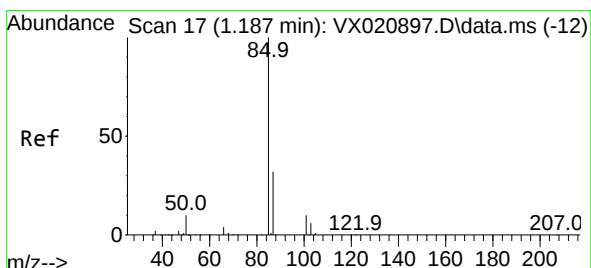
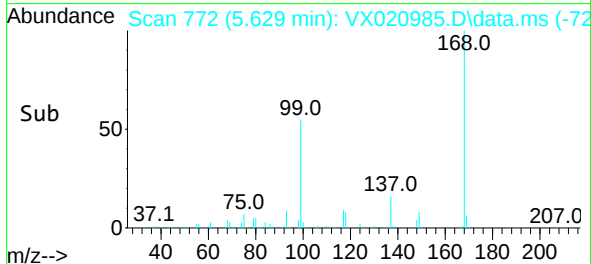
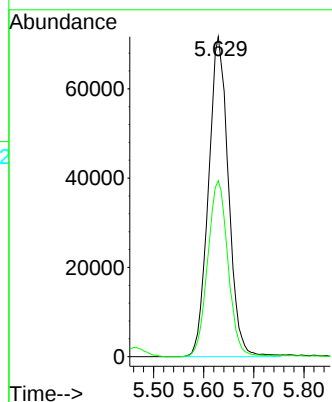
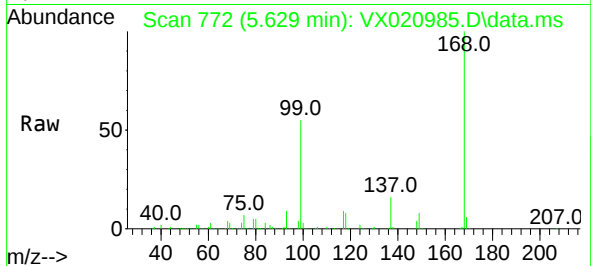




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

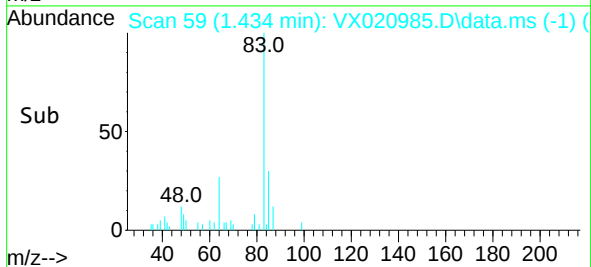
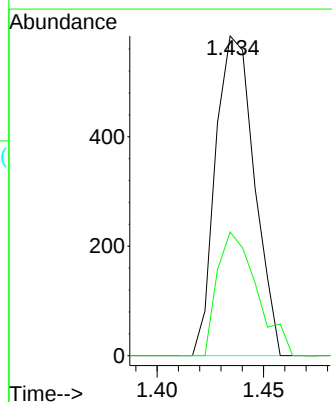
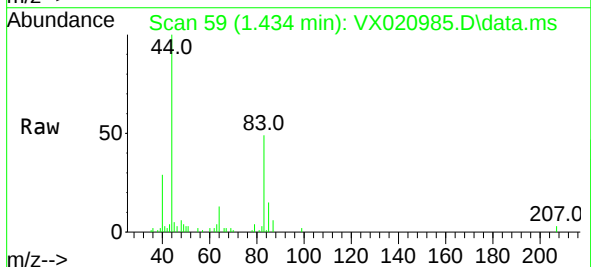
Instrument :
MSVOA_X
ClientSampled :

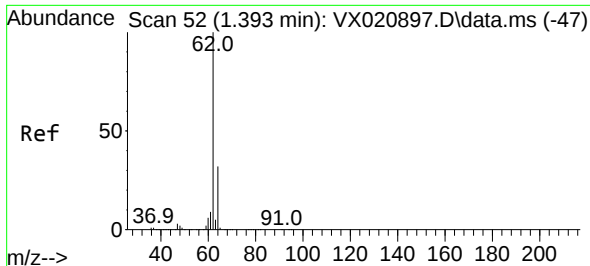
Tgt Ion:168 Resp: 198278
Ion Ratio Lower Upper
168 100
99 55.0 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.35 ug/l
RT: 1.434 min Scan# 59
Delta R.T. 0.247 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion: 85 Resp: 740
Ion Ratio Lower Upper
85 100
87 38.7 16.4 49.2

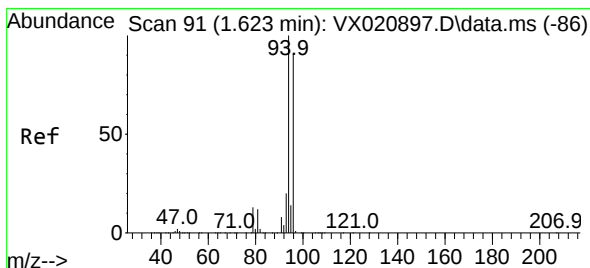
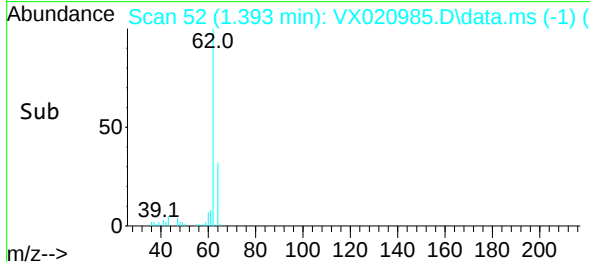
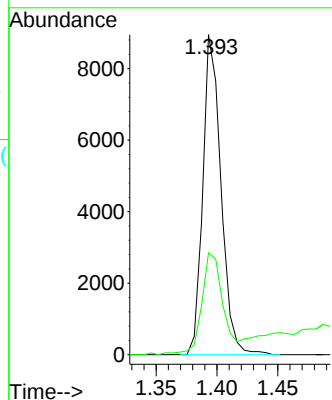
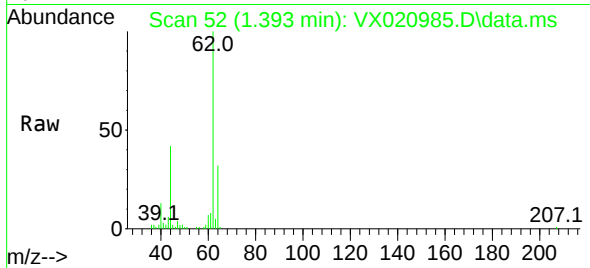




#4
 Vinyl Chloride
 Concen: 3.39 ug/l
 RT: 1.393 min Scan# 52
 Delta R.T. -0.000 min
 Lab File: VX020985.D
 Acq: 02 Mar 2021 23:19

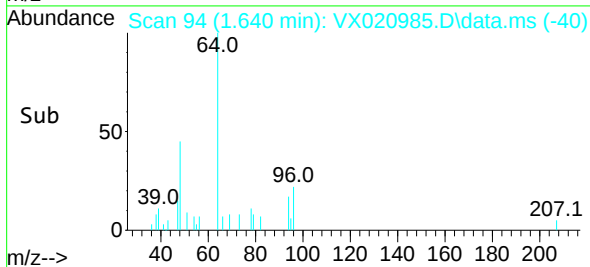
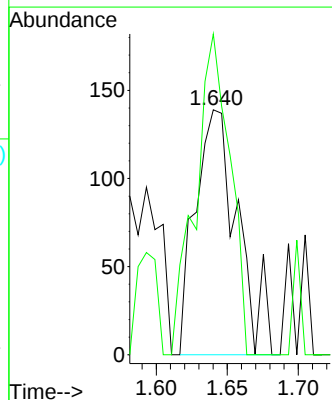
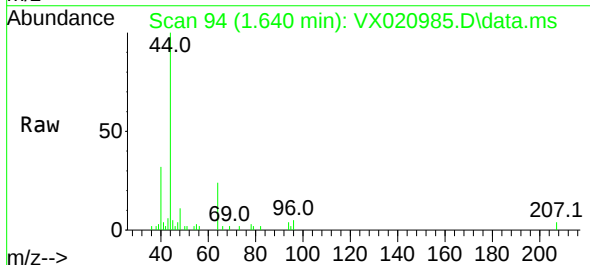
Instrument :
 MSVOA_X
 ClientSampled :

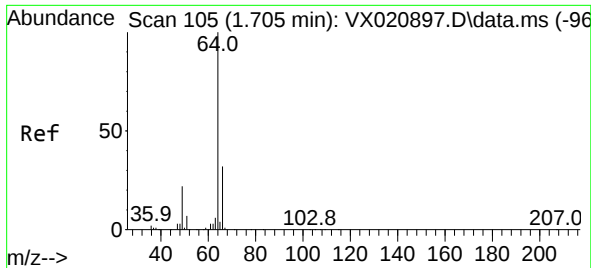
Tgt Ion: 62 Resp: 9287
 Ion Ratio Lower Upper
 62 100
 64 31.0 25.7 38.5



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.640 min Scan# 94
 Delta R.T. 0.017 min
 Lab File: VX020985.D
 Acq: 02 Mar 2021 23:19

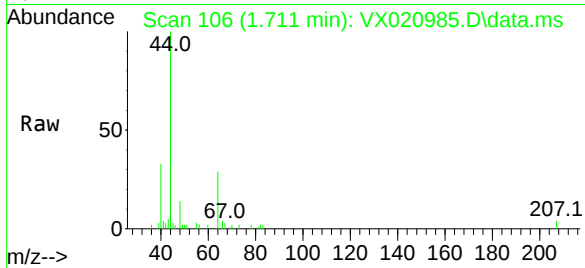
Tgt Ion: 94 Resp: 290
 Ion Ratio Lower Upper
 94 100
 96 130.9 76.4 114.6#



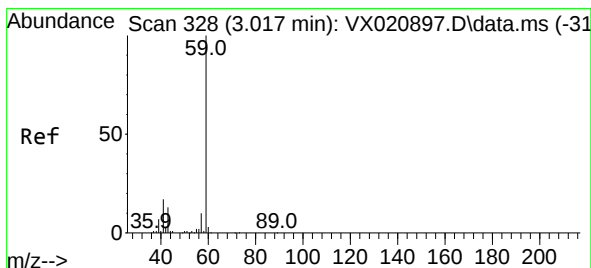
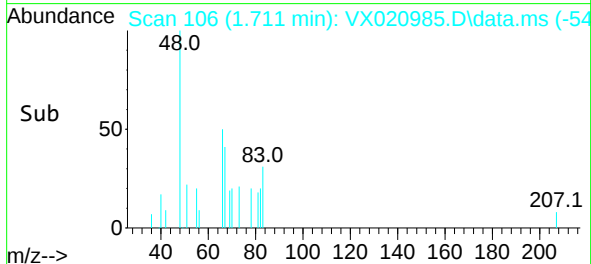
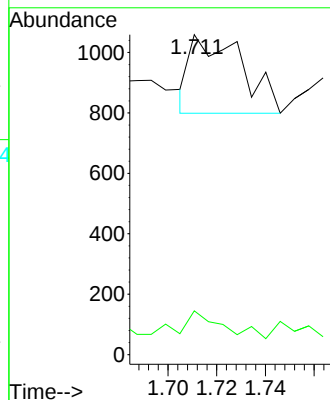


#6
Chloroethane
Concen: 0.22 ug/l
RT: 1.711 min Scan# 106
Delta R.T. 0.006 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Instrument :
MSVOA_X
ClientSampled :

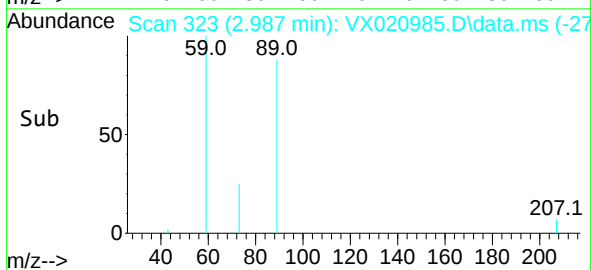
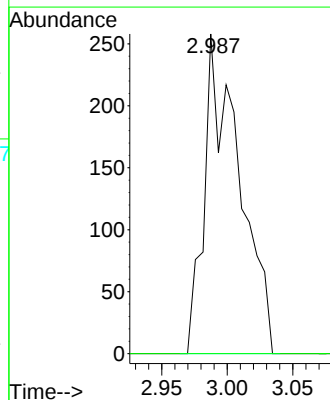
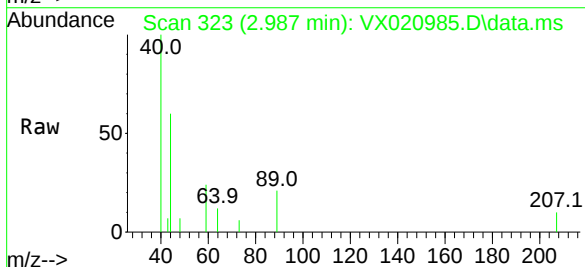


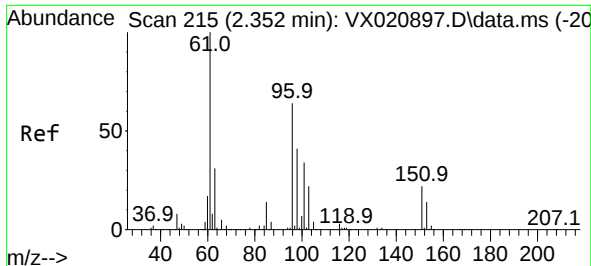
Tgt Ion: 64 Resp: 383
Ion Ratio Lower Upper
64 100
66 29.2 25.4 38.0



#11
Tert butyl alcohol
Concen: 0.80 ug/l
RT: 2.987 min Scan# 323
Delta R.T. -0.030 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion: 59 Resp: 479
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

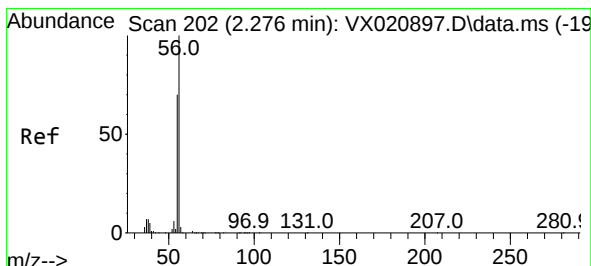
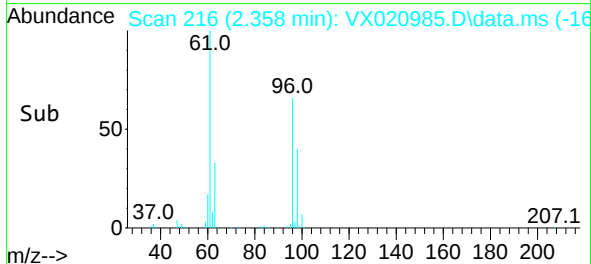
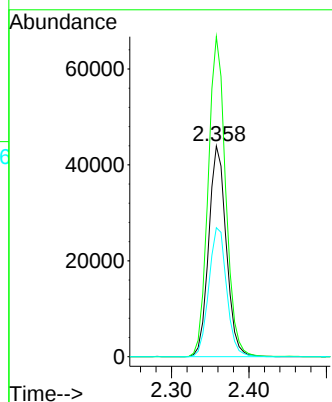
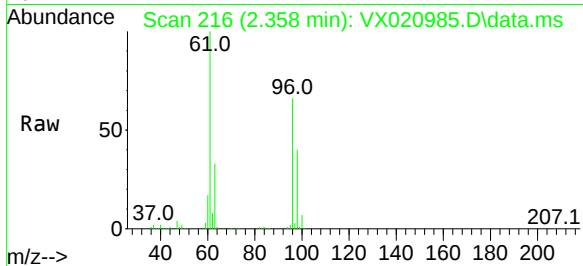




#12
1,1-Dichloroethene
Concen: 31.09 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

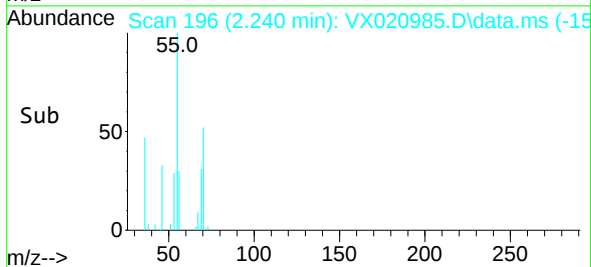
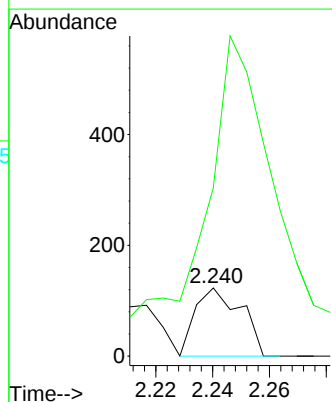
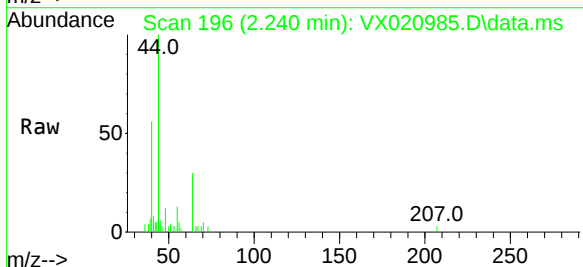
Instrument :
MSVOA_X
ClientSampled :

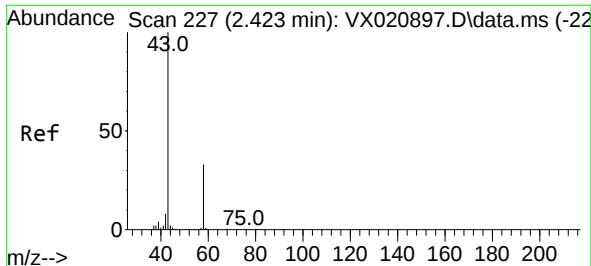
Tgt Ion: 96 Resp: 69005
Ion Ratio Lower Upper
96 100
61 151.9 124.6 187.0
98 61.2 50.6 76.0



#13
Acrolein
Concen: 0.37 ug/l
RT: 2.240 min Scan# 196
Delta R.T. -0.035 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 734.1 56.4 84.6#

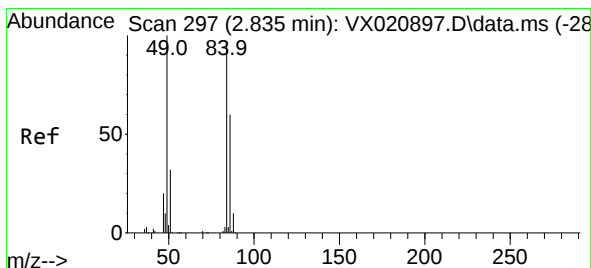
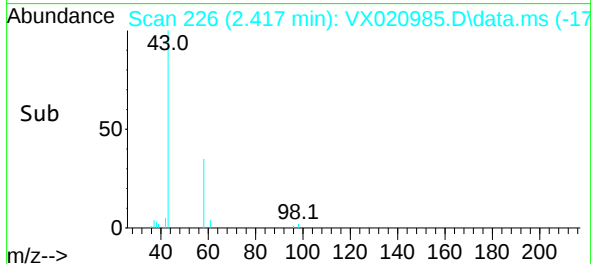
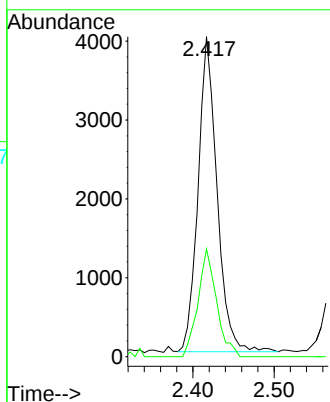
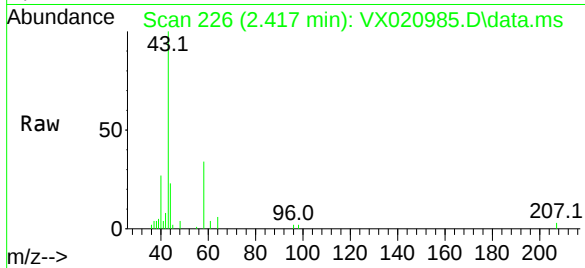




#16
Acetone
Concen: 5.88 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

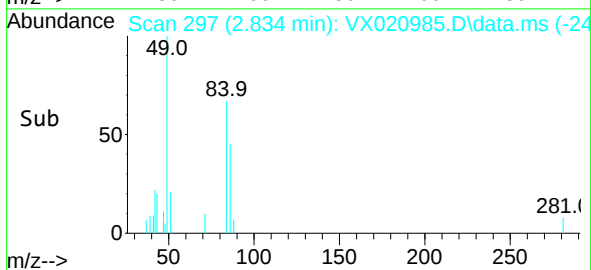
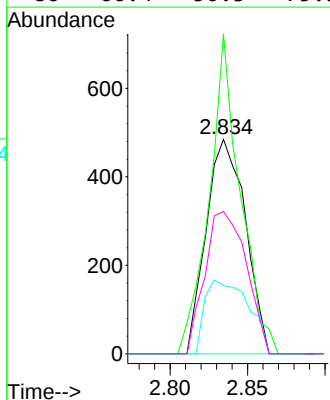
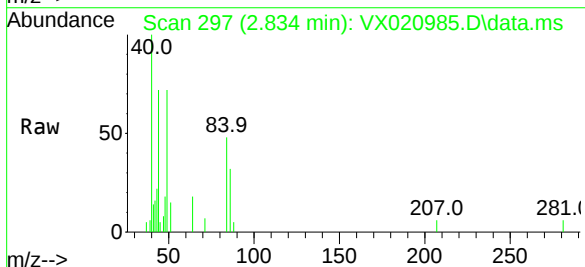
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MSVOA_X
ClientSampleId :

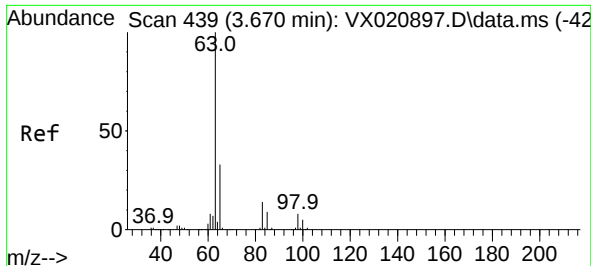
Tgt Ion: 43 Resp: 6490
Ion Ratio Lower Upper
43 100
58 34.2 27.8 41.8



#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion: 84 Resp: 854
Ion Ratio Lower Upper
84 100
49 149.1 88.6 132.8#
51 31.8 27.0 40.6
86 66.4 50.3 75.5

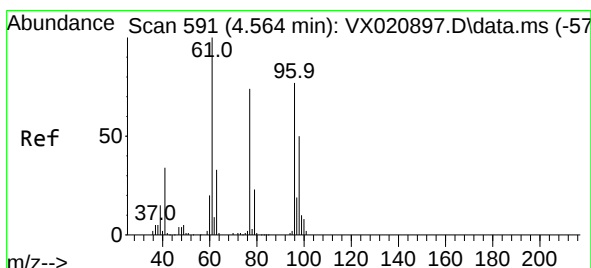
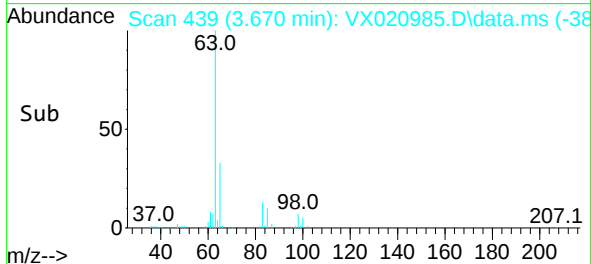
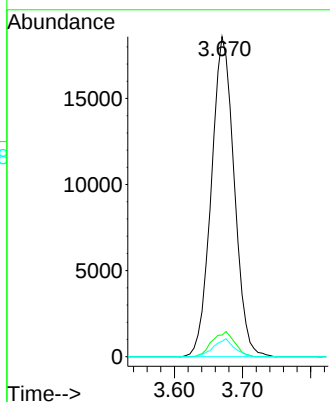
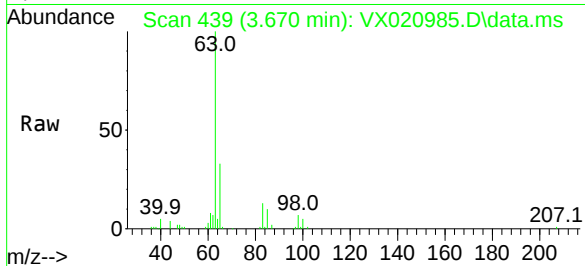




#24
1,1-Dichloroethane
Concen: 10.12 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

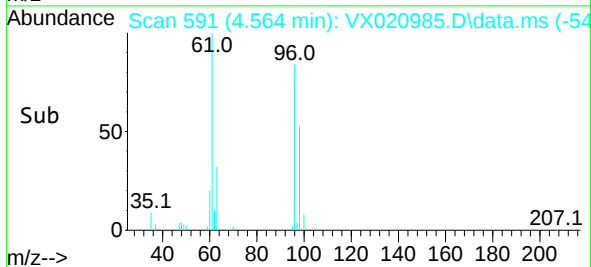
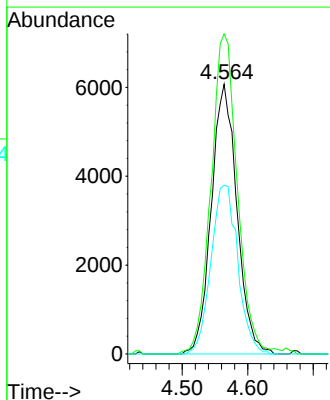
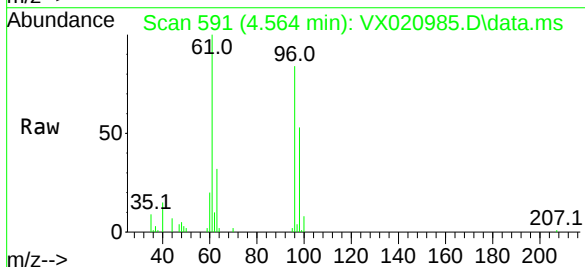
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ClientSampleId :

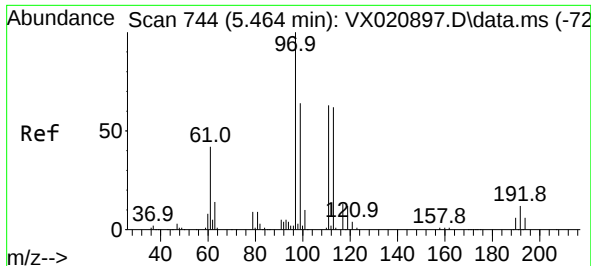
Tgt Ion:	63	Resp:	43463
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.8	11.2
100	4.8	2.5	7.5



#27
cis-1,2-Dichloroethene
Concen: 5.74 ug/l
RT: 4.564 min Scan# 591
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion:	96	Resp:	16482
Ion Ratio	Lower	Upper	
96	100		
61	122.2	0.0	285.6
98	65.3	0.0	129.6

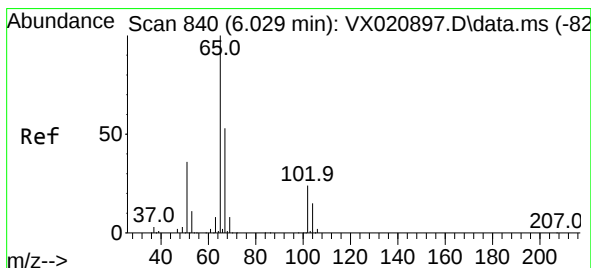
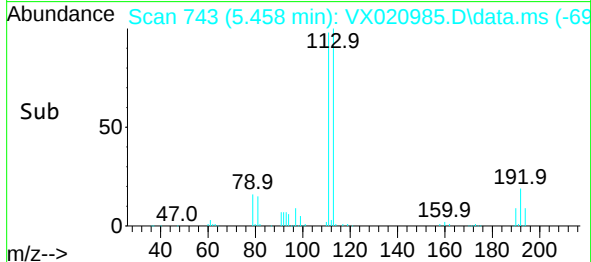
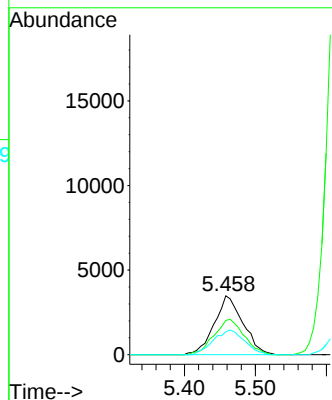
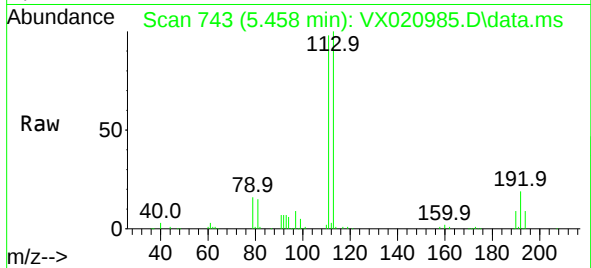




#32
1,1,1-Trichloroethane
Concen: 2.58 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

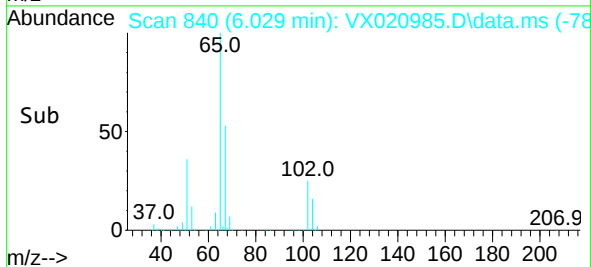
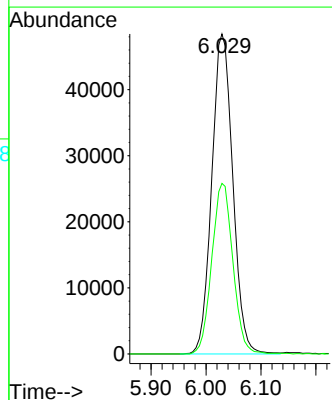
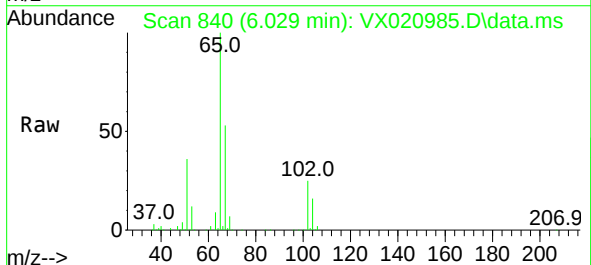
Instrument :
MSVOA_X
ClientSampleId :

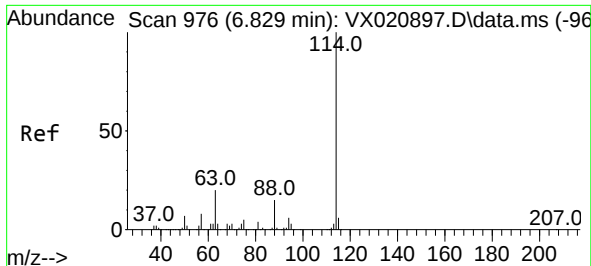
Tgt Ion: 97 Resp: 9718
Ion Ratio Lower Upper
97 100
99 63.0 51.5 77.3
61 45.2 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 48.05 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

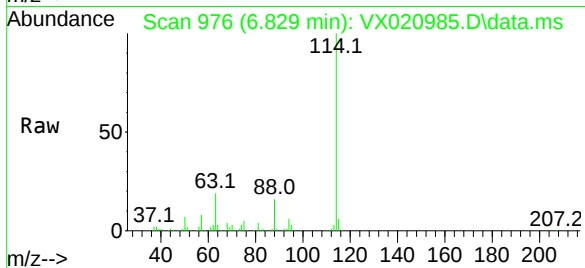
Tgt Ion: 65 Resp: 128686
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.4



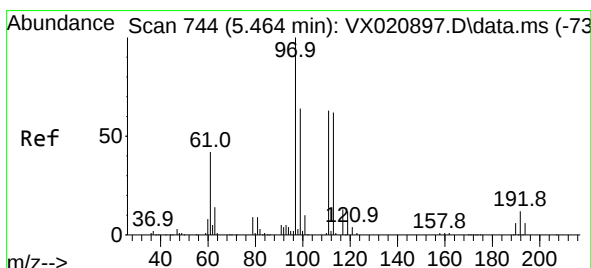
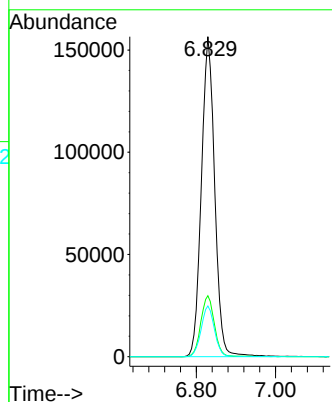
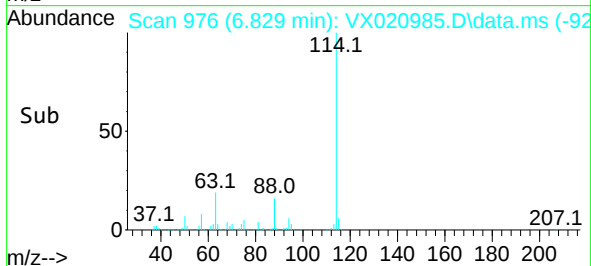


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

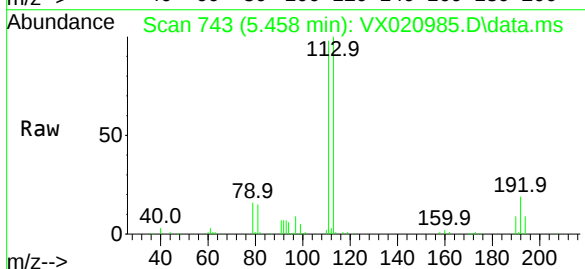
Instrument :
MSVOA_X
ClientSampleId :



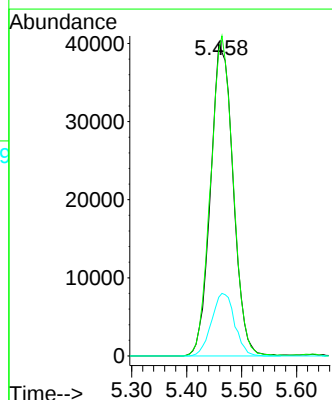
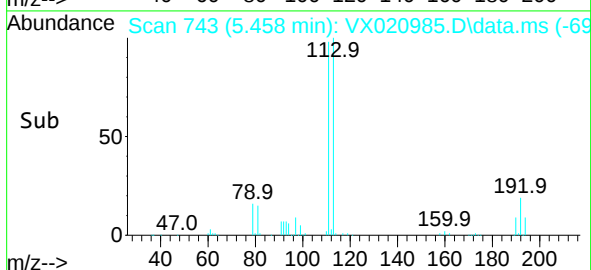
Tgt Ion:114 Resp: 365444
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.8
88 15.8 0.0 32.8

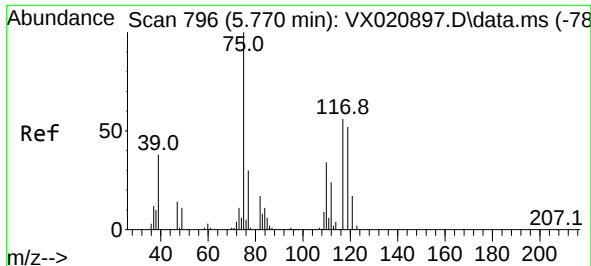


#35
Dibromofluoromethane
Concen: 51.54 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19



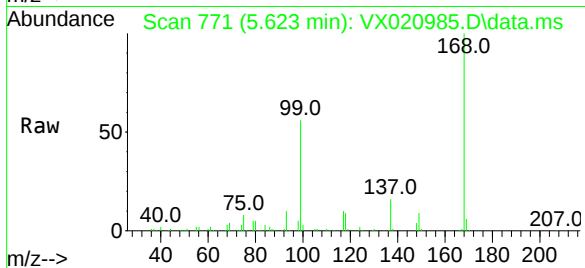
Tgt Ion:113 Resp: 114439
Ion Ratio Lower Upper
113 100
111 101.5 81.9 122.9
192 20.4 16.7 25.1



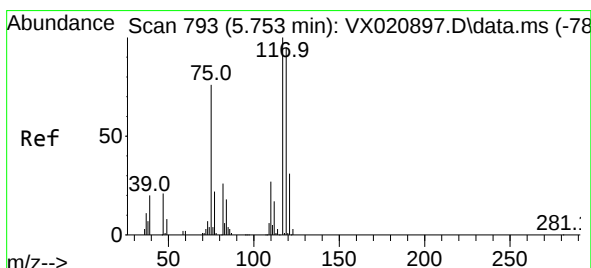
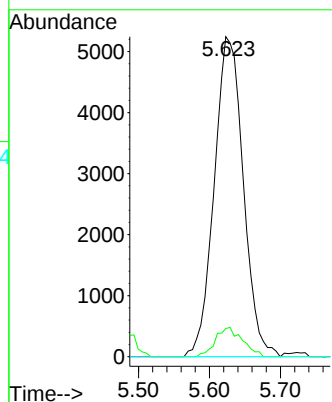
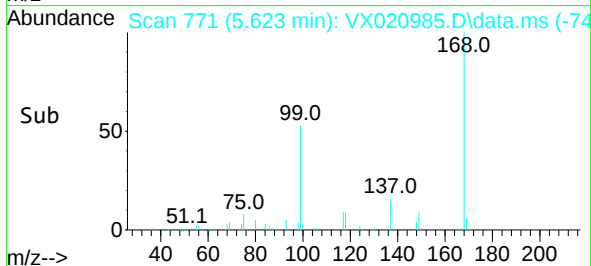


#36
1,1-Dichloropropene
Concen: 4.29 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

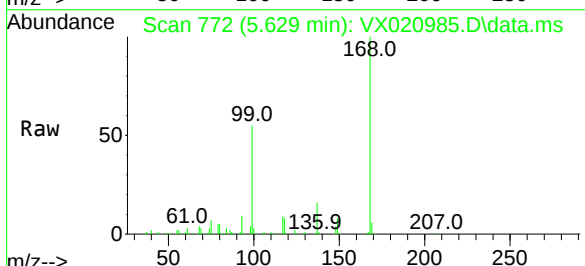
Instrument :
MSVOA_X
ClientSampleId :



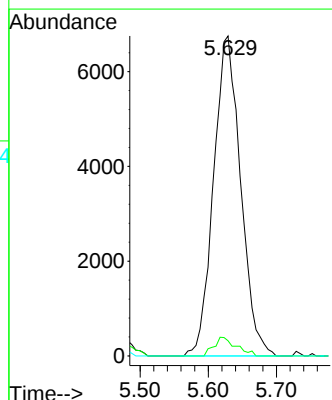
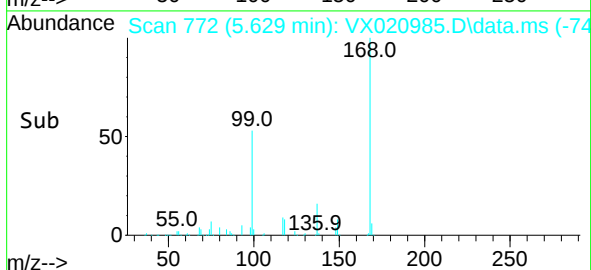
Tgt Ion: 75 Resp: 14911
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#

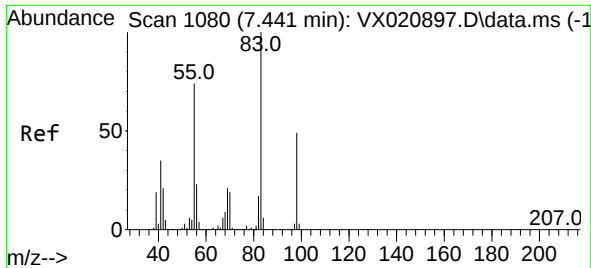


#38
Carbon Tetrachloride
Concen: 5.54 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19



Tgt Ion: 117 Resp: 18650
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

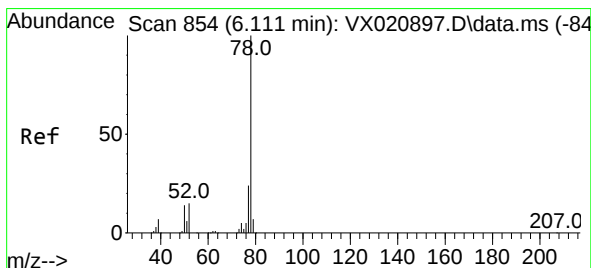
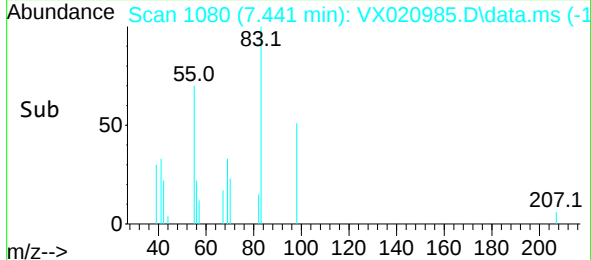
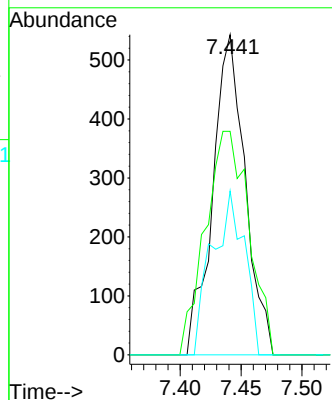
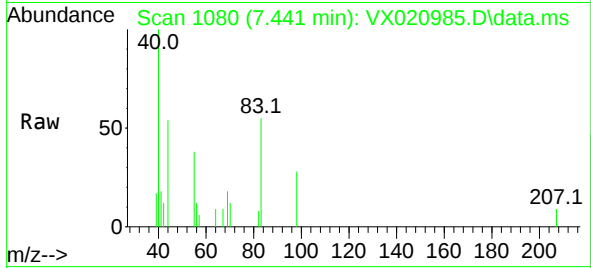




#39
Methylcyclohexane
Concen: 0.23 ug/l
RT: 7.441 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

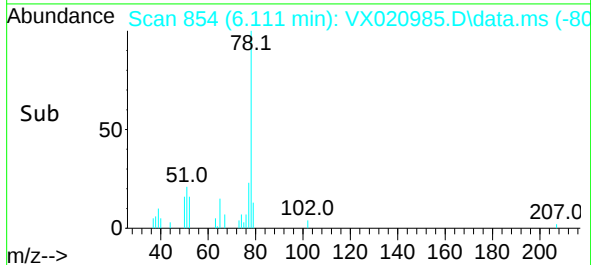
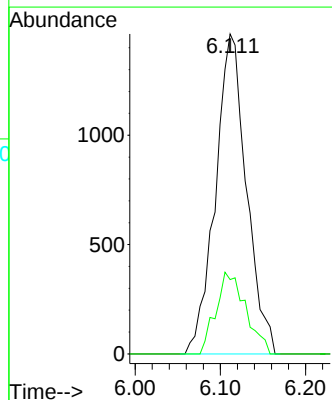
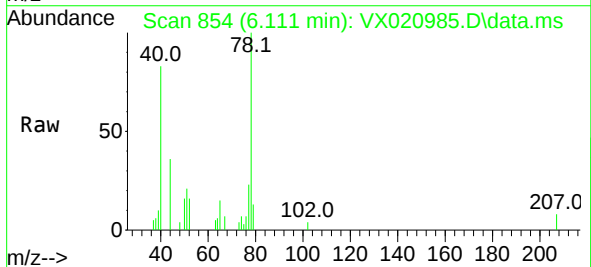
Instrument :
MSVOA_X
ClientSampled :

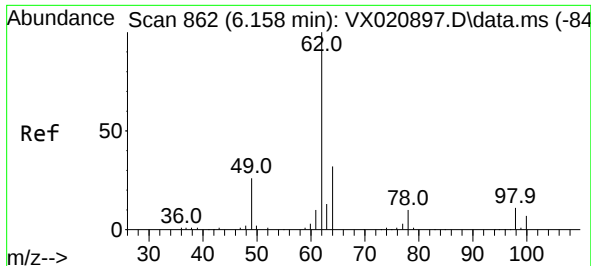
Tgt Ion:	83	Resp:	1010
Ion	Ratio	Lower	Upper
83	100		
55	69.8	58.9	88.3
98	51.2	38.1	57.1



#40
Benzene
Concen: 0.36 ug/l
RT: 6.111 min Scan# 854
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion:	78	Resp:	3701
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





#42

1,2-Dichloroethane

Concen: 1.63 ug/l

RT: 6.158 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX020985.D

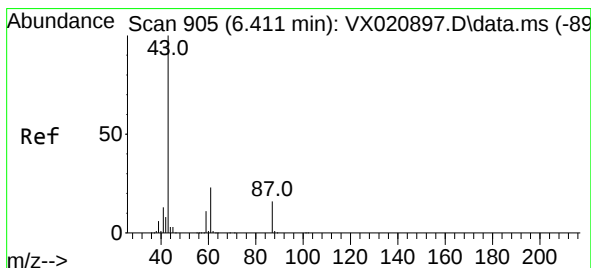
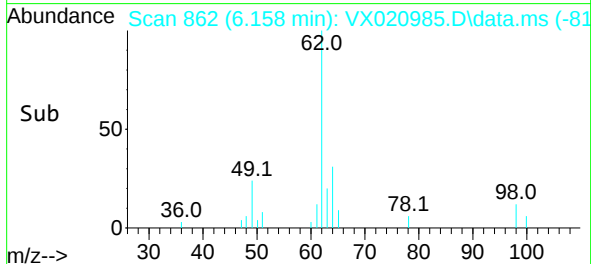
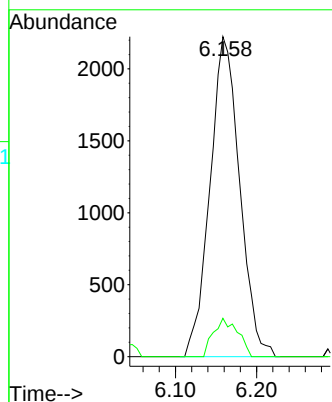
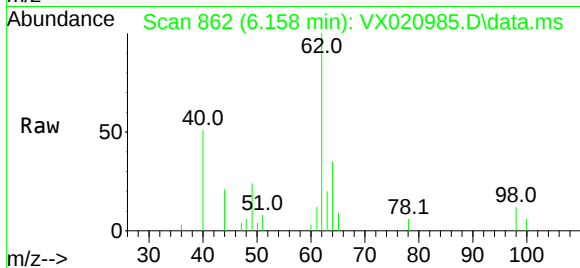
Acq: 02 Mar 2021 23:19

Tgt Ion: 62 Resp: 5653

Ion Ratio Lower Upper

62 100

98 9.8 0.0 20.2



#43

Isopropyl Acetate

Concen: 1.10 ug/l

RT: 6.300 min Scan# 886

Delta R.T. -0.112 min

Lab File: VX020985.D

Acq: 02 Mar 2021 23:19

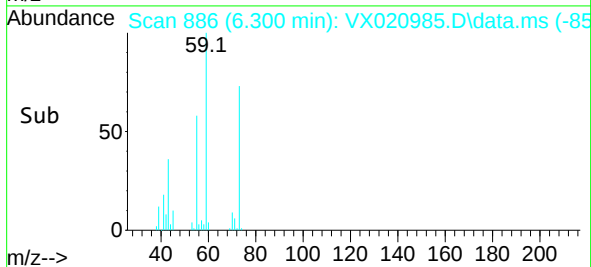
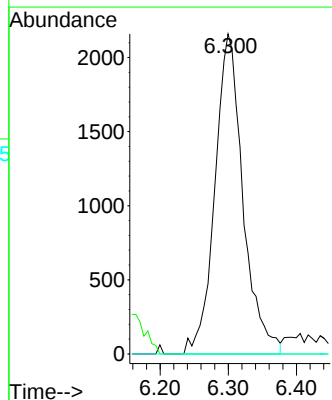
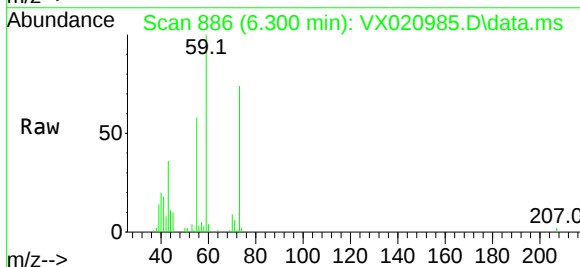
Tgt Ion: 43 Resp: 6187

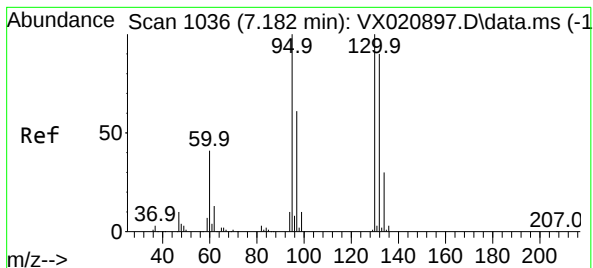
Ion Ratio Lower Upper

43 100

61 0.0 18.2 27.4#

87 0.0 12.5 18.7#





#44

Trichloroethene

Concen: 0.56 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VX020985.D

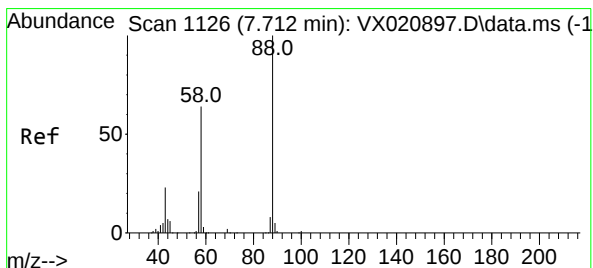
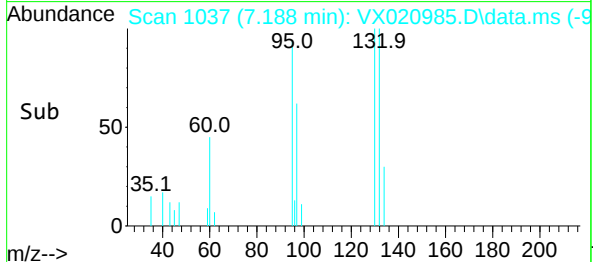
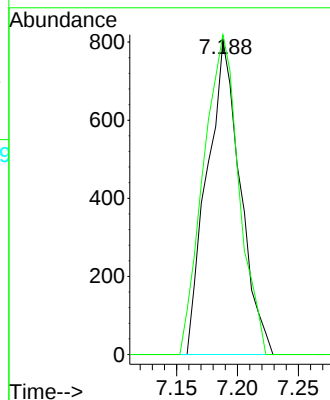
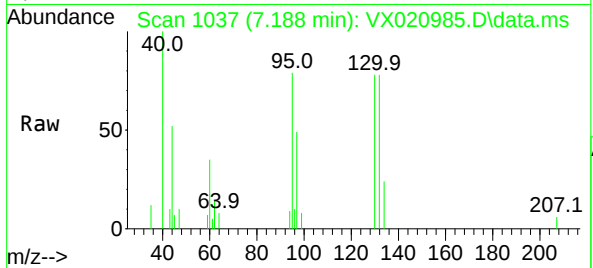
Acq: 02 Mar 2021 23:19

Tgt Ion:130 Resp: 1524

Ion Ratio Lower Upper

130 100

95 101.9 0.0 198.0



#49

1,4-Dioxane

Concen: 309.38 ug/l

RT: 7.712 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VX020985.D

Acq: 02 Mar 2021 23:19

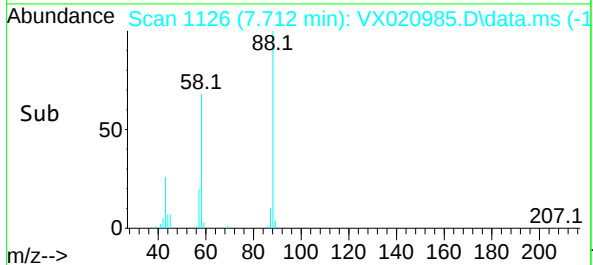
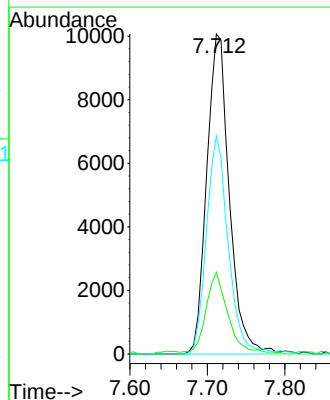
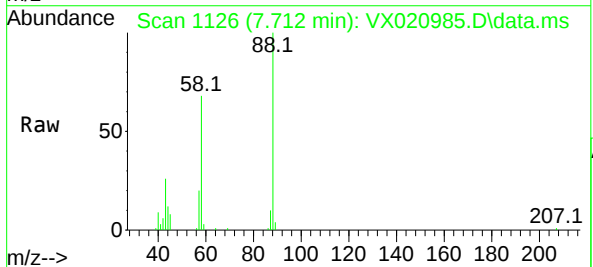
Tgt Ion: 88 Resp: 20363

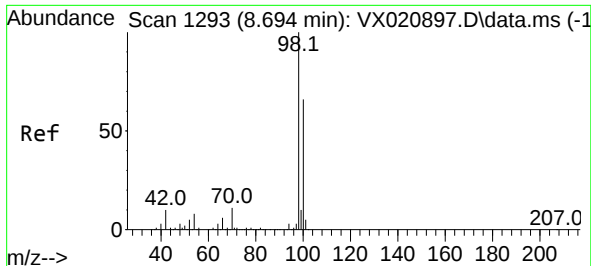
Ion Ratio Lower Upper

88 100

43 25.2 23.2 34.8

58 65.8 55.0 82.4

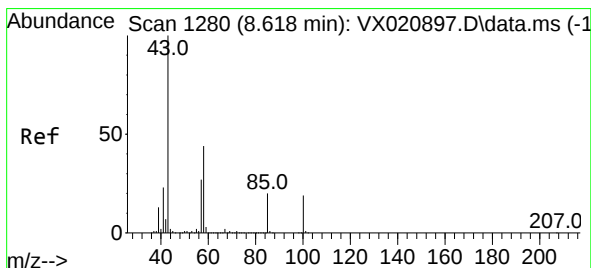
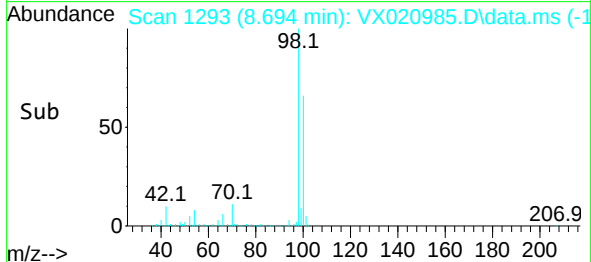
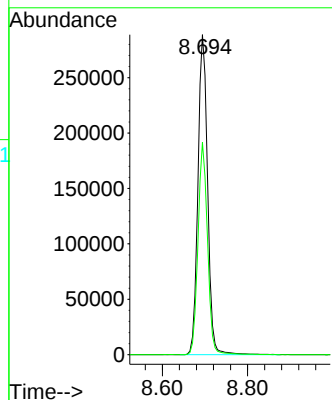
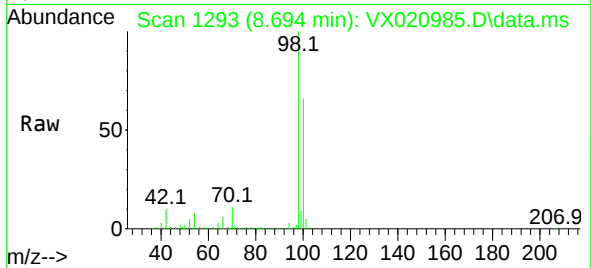




#50
Toluene-d8
Concen: 52.42 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

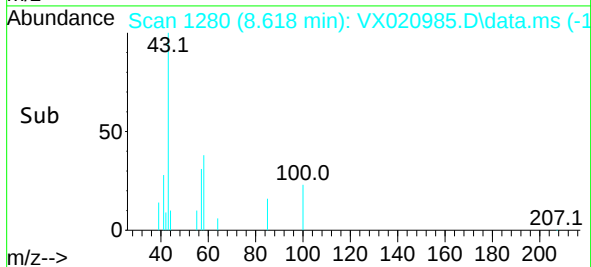
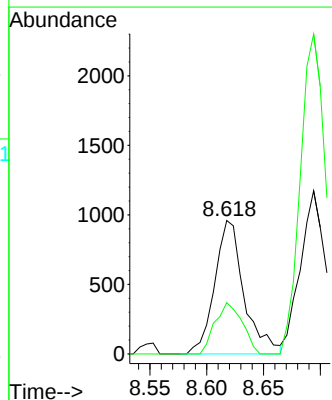
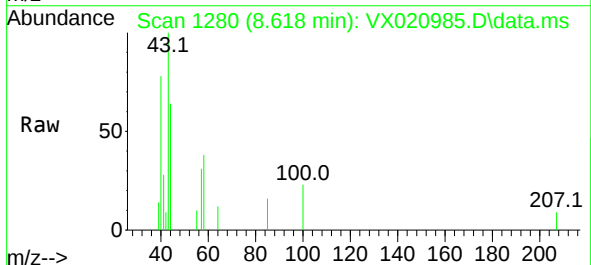
Instrument :
MSVOA_X
ClientSampled :

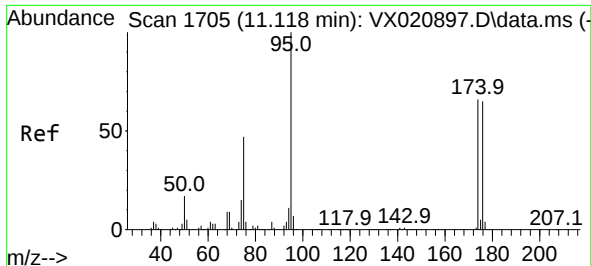
Tgt Ion: 98 Resp: 453815
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.618 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion: 43 Resp: 1730
Ion Ratio Lower Upper
43 100
58 35.5 35.4 53.0

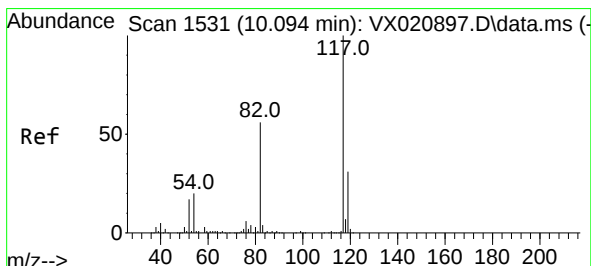
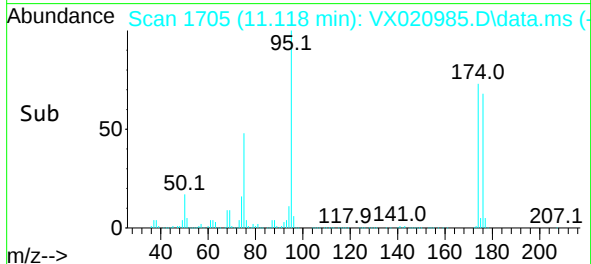
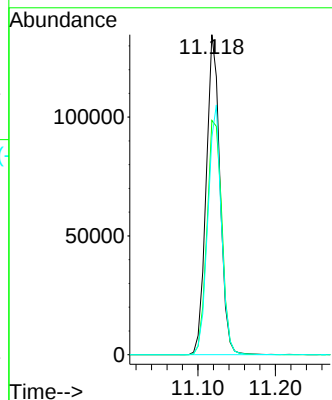
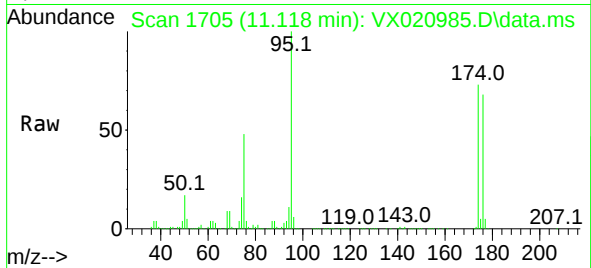




#62
4-Bromofluorobenzene
Concen: 51.88 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

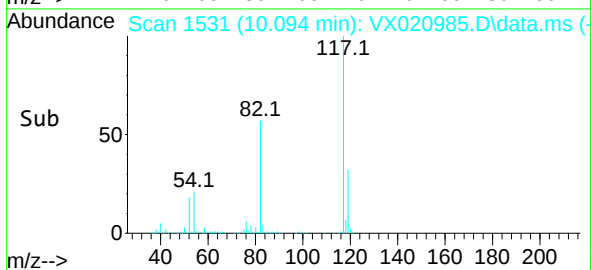
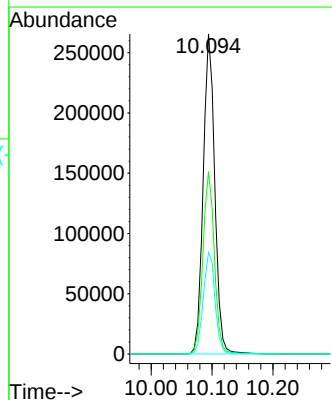
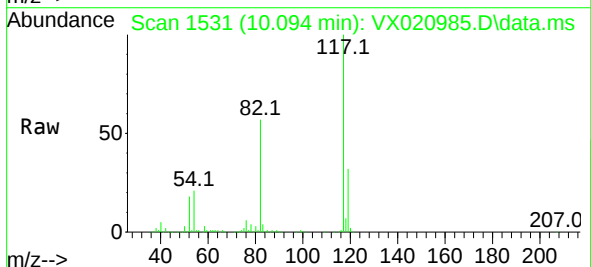
Instrument :
MSVOA_X
ClientSampled :

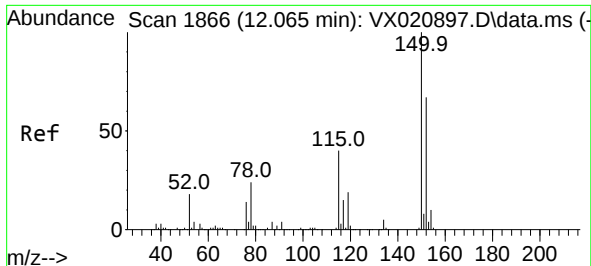
Tgt Ion: 95 Resp: 166070
Ion Ratio Lower Upper
95 100
174 79.2 0.0 154.6
176 76.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion: 117 Resp: 350285
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 31.7 26.6 39.8

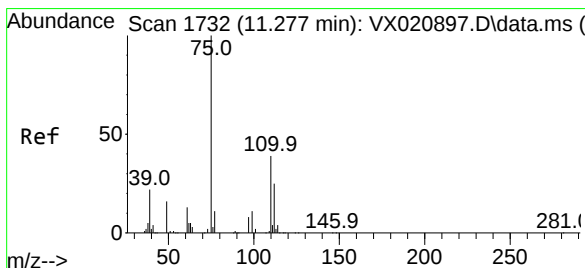
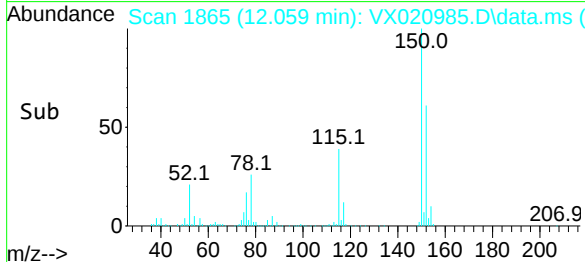
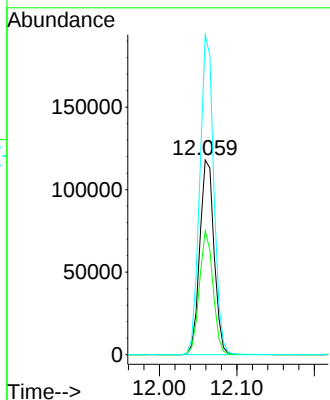
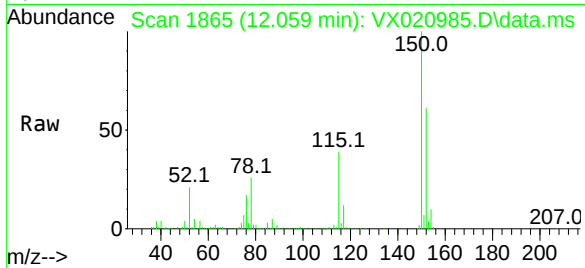




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

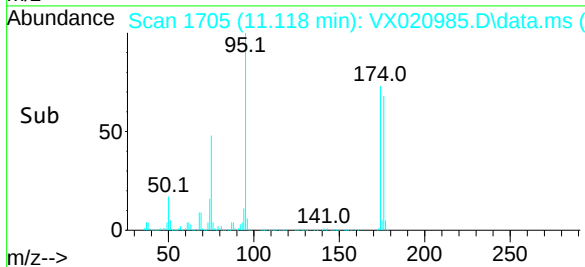
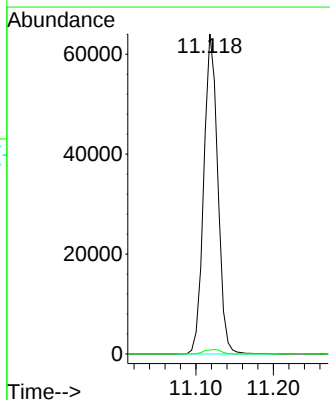
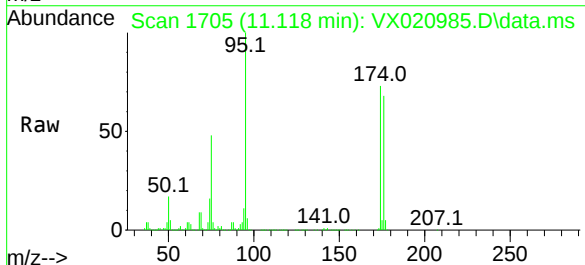
Instrument :
MSVOA_X
ClientSampleId :

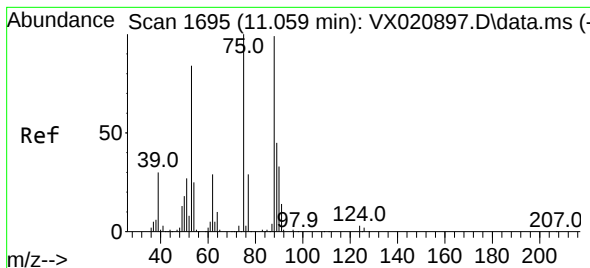
Tgt Ion:152 Resp: 151057
Ion Ratio Lower Upper
152 100
115 60.7 41.1 123.3
150 161.1 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.71 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion: 75 Resp: 80314
Ion Ratio Lower Upper
75 100
77 1.7 19.1 57.5#

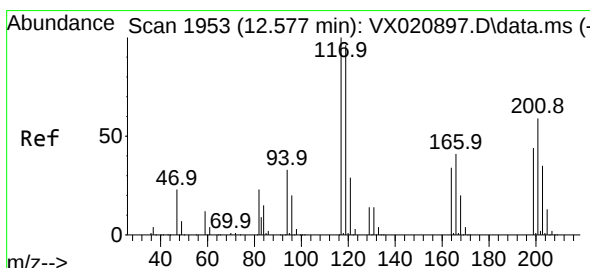
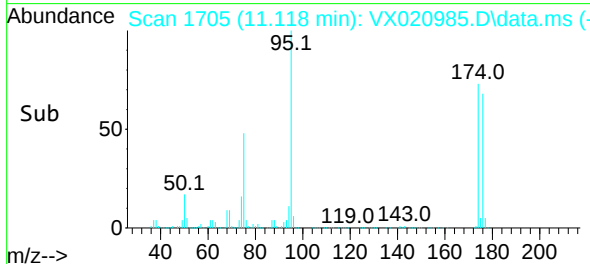
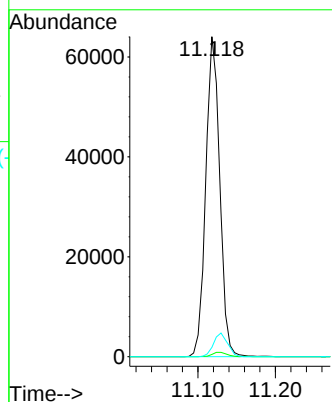
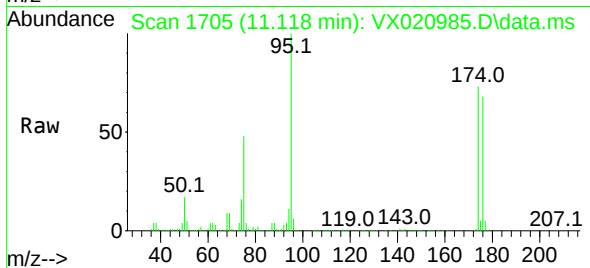




#81
trans-1,4-Dichloro-2-butene
Concen: 54.72 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 80314
Ion Ratio Lower Upper
75 100
53 1.4 74.5 111.7#
89 7.5 37.9 56.9#



#90
Hexachloroethane
Concen: 0.29 ug/l
RT: 12.742 min Scan# 1981
Delta R.T. 0.165 min
Lab File: VX020985.D
Acq: 02 Mar 2021 23:19

Tgt Ion: 117 Resp: 570
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

