

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021619.D
 Acq On : 30 Mar 2021 10:52
 Operator : JC/MD
 Sample : VX0330WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBL01

Quant Time: Mar 31 04:39:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032621W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 27 04:47:38 2021
 Response via : Initial Calibration

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

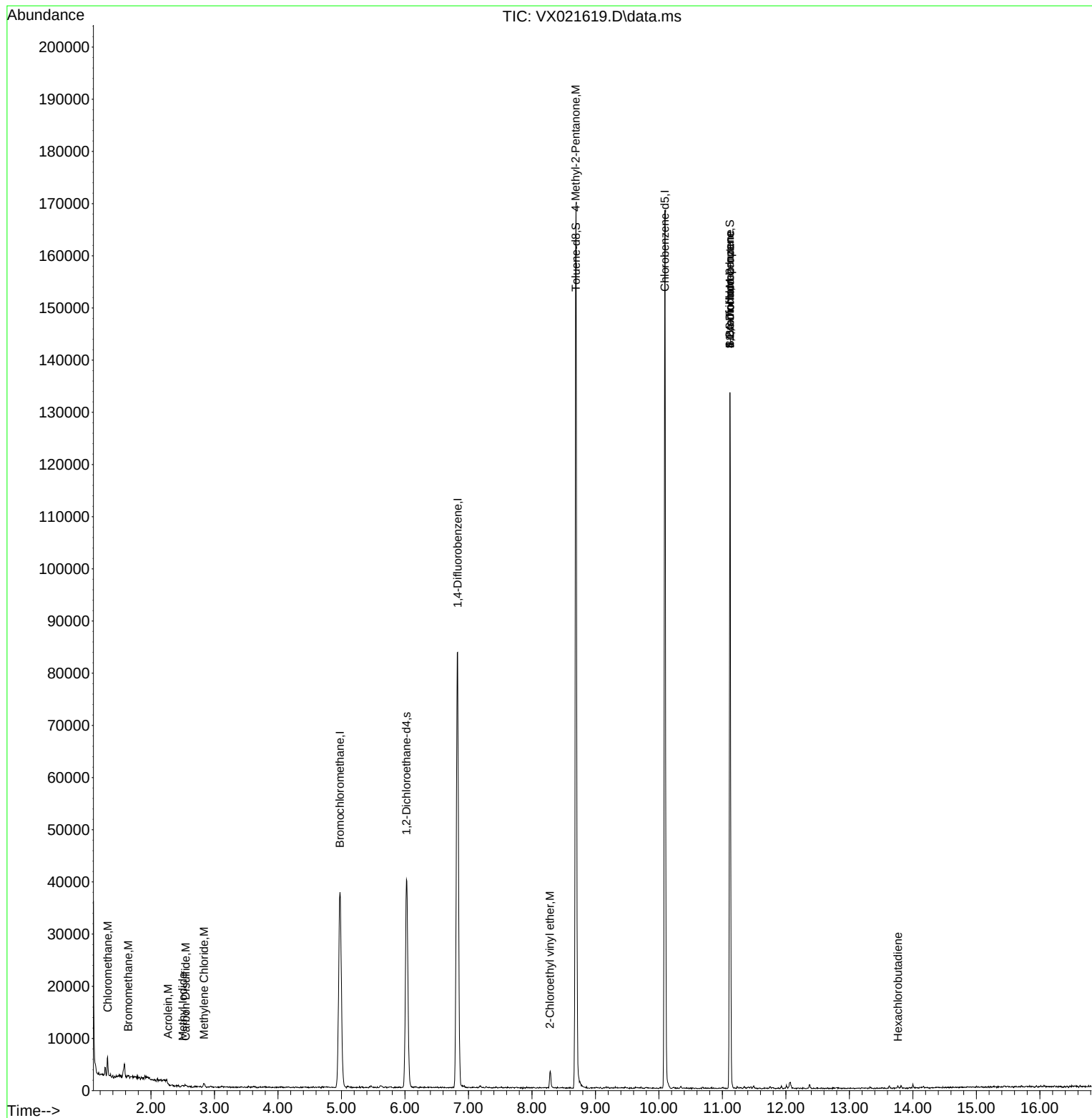
Internal Standards						
1) Bromochloromethane	4.976	128	14950	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	78482	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	69400	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.023	65	40325	28.88	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.27%
60) 4-Bromofluorobenzene	11.118	95	33006	27.04	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.13%
63) Toluene-d8	8.694	98	93704	30.06	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.20%
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	2818	2.22	ug/l	91
5) Bromomethane	1.640	94	152	0.33	ug/l	81
11) Methyl Iodide	2.499	142	250	0.34	ug/l #	44
13) Acrolein	2.270	56	47	0.27	ug/l	84
16) Carbon Disulfide	2.546	76	520	0.21	ug/l #	75
18) Methylene Chloride	2.834	84	261	0.25	ug/l #	65
55) 2-Chloroethyl vinyl ether	8.282	63	1192	1.48	ug/l	94
56) Bromoform	11.118	173	342	0.43	ug/l #	1
58) 4-Methyl-2-Pentanone	8.688	43	563	0.38	ug/l #	1
72) 1,2,3-Trichloropropane	11.118	75	18462	13.32	ug/l	40
77) t-1,4-Dichloro-2-butene	11.118	75	18462	41.70	ug/l #	11
90) Hexachlorobutadiene	13.765	225	125	0.26	ug/l	75

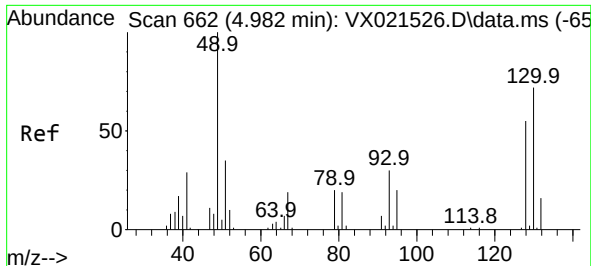
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

Quant Time: Mar 31 04:39:21 2021
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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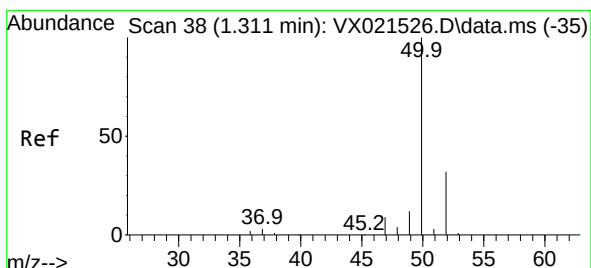
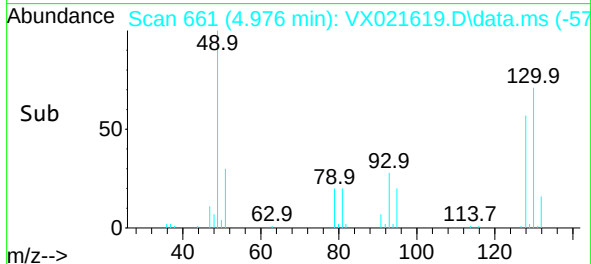
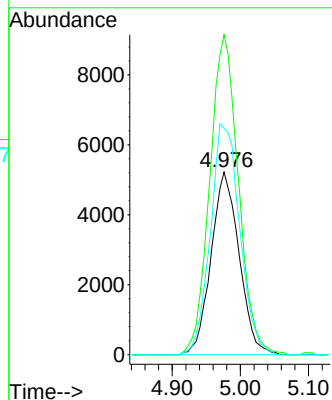
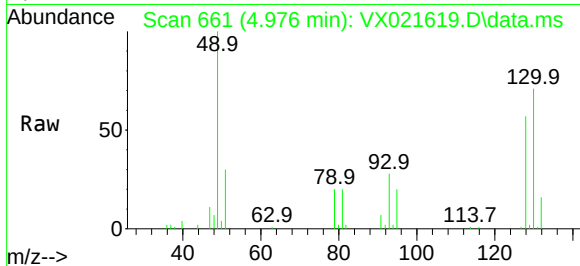




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.976 min Scan# 661
Delta R.T. -0.006 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

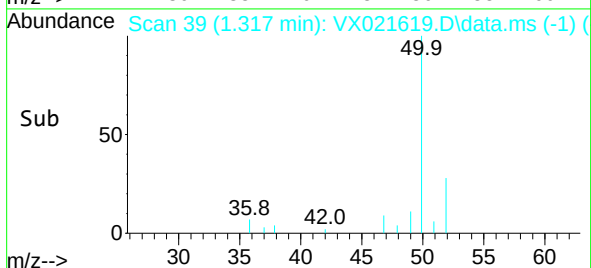
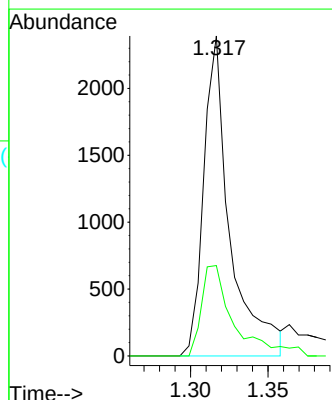
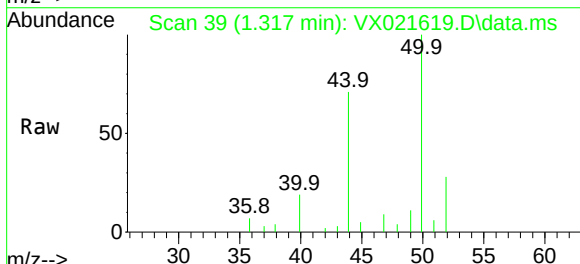
Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

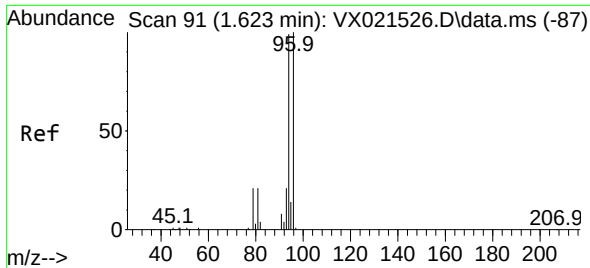
Tgt Ion:128 Resp: 14950
Ion Ratio Lower Upper
128 100
49 178.9 0.0 367.5
130 132.6 0.0 318.8



#3
Chloromethane
Concen: 2.22 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

Tgt Ion: 50 Resp: 2818
Ion Ratio Lower Upper
50 100
52 28.3 26.9 40.3

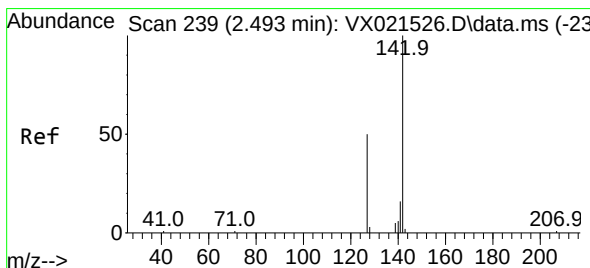
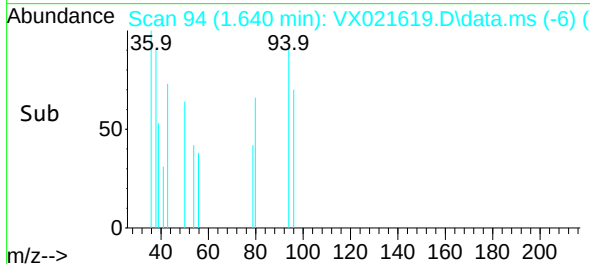
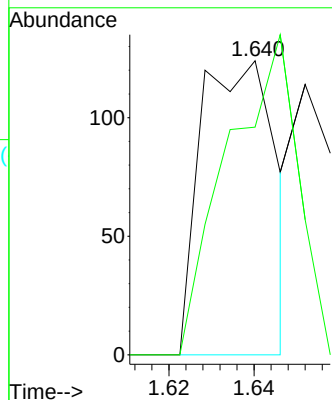
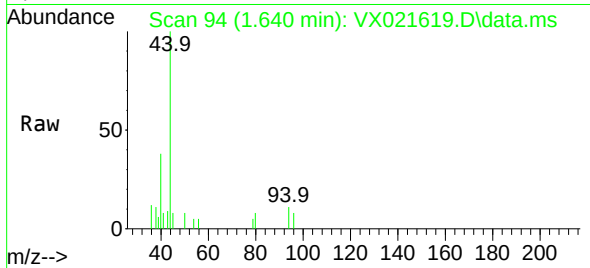




#5
Bromomethane
Concen: 0.33 ug/l
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

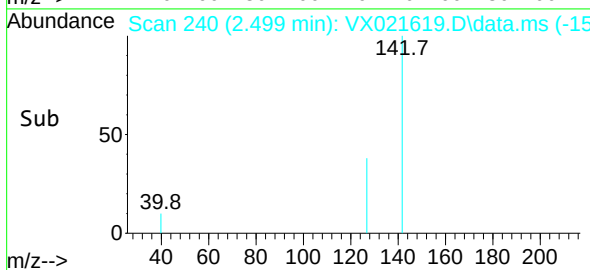
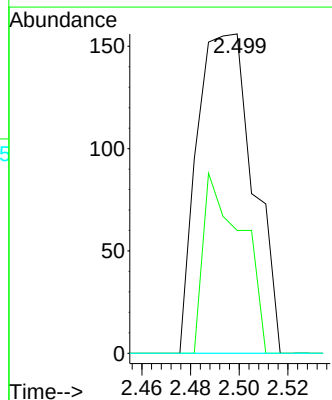
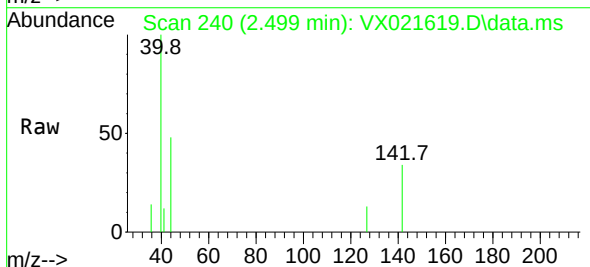
Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

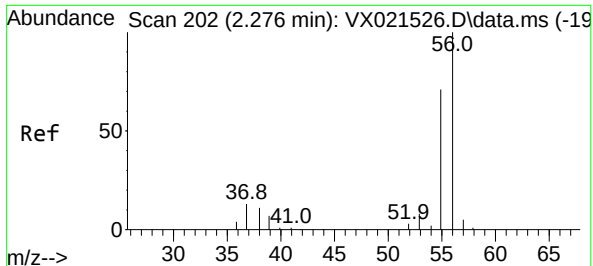
Tgt Ion: 94 Resp: 152
Ion Ratio Lower Upper
94 100
96 77.4 76.6 114.8



#11
Methyl Iodide
Concen: 0.34 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

Tgt Ion: 142 Resp: 250
Ion Ratio Lower Upper
142 100
127 38.5 21.4 64.2
141 100.0 6.5 19.4#

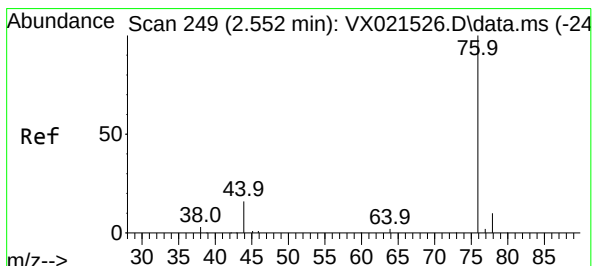
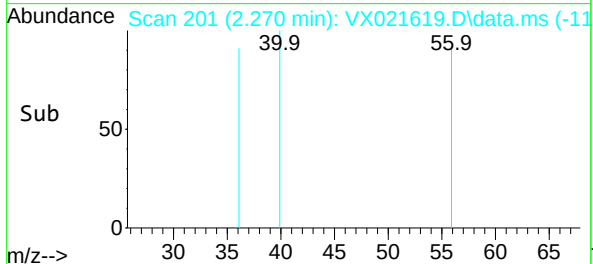
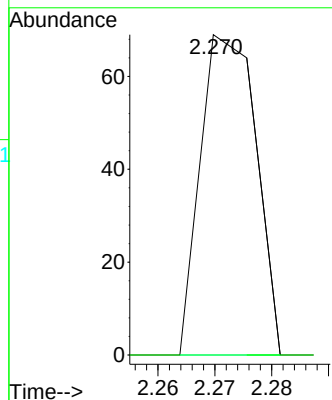
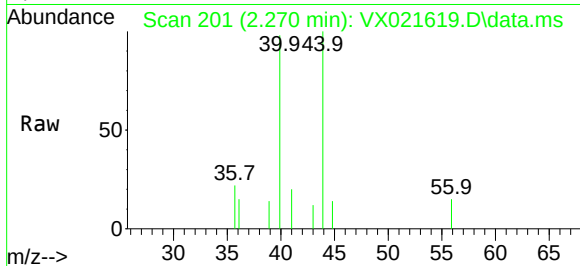




#13
Acrolein
Concen: 0.27 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

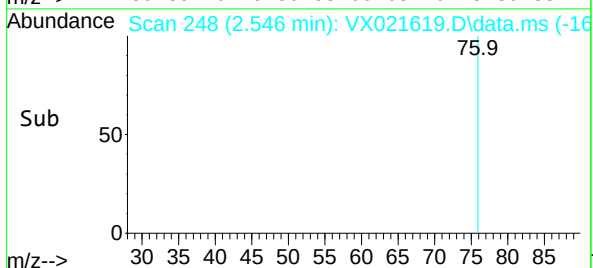
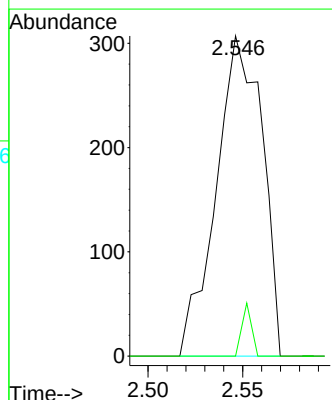
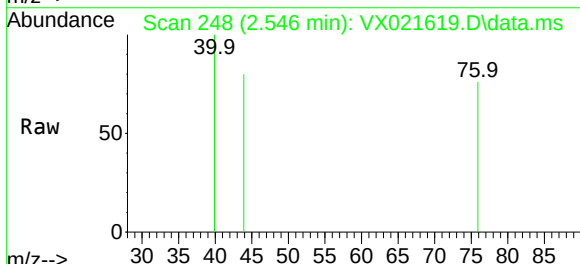
Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

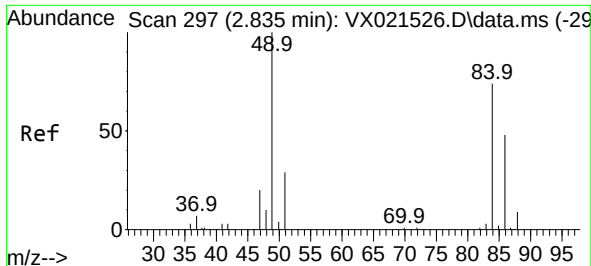
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 57.4 56.3 84.5



#16
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

Tgt Ion: 76 Resp: 520
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.001 min

Lab File: VX021619.D

Acq: 30 Mar 2021 10:52

Tgt Ion: 84 Resp: 261

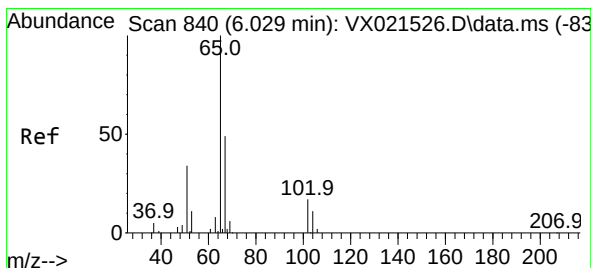
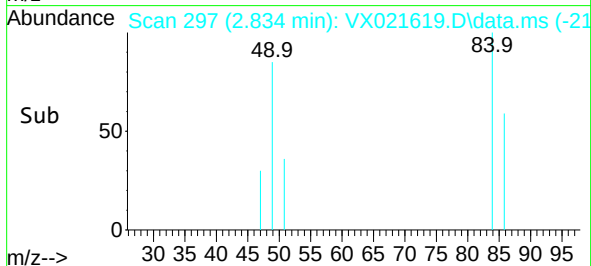
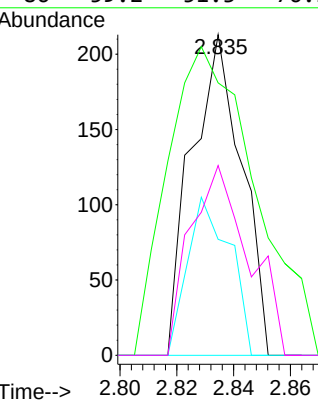
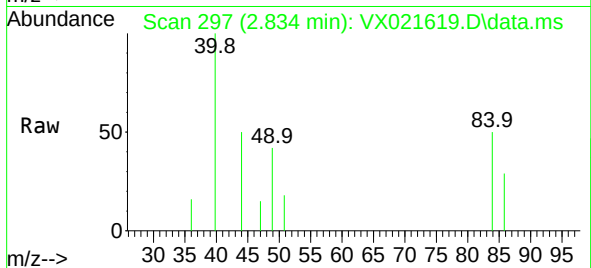
Ion Ratio Lower Upper

84 100

49 48.4 90.6 136.0#

51 36.2 26.3 39.5

86 59.2 51.3 76.9



#27

1,2-Dichloroethane-d4

Concen: 28.88 ug/l

RT: 6.023 min Scan# 839

Delta R.T. -0.006 min

Lab File: VX021619.D

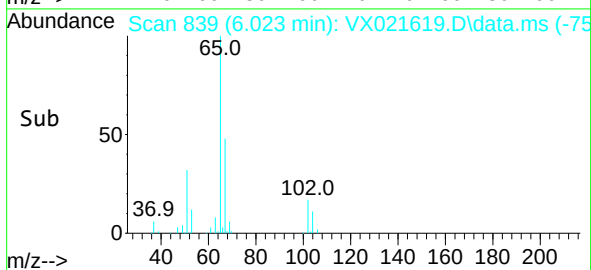
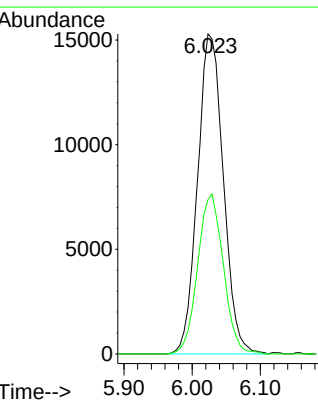
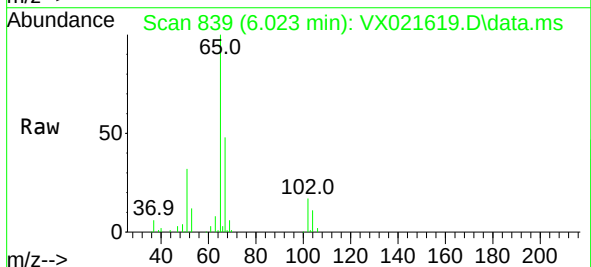
Acq: 30 Mar 2021 10:52

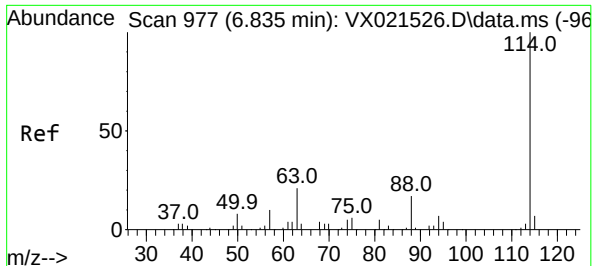
Tgt Ion: 65 Resp: 40325

Ion Ratio Lower Upper

65 100

67 49.7 41.9 62.9

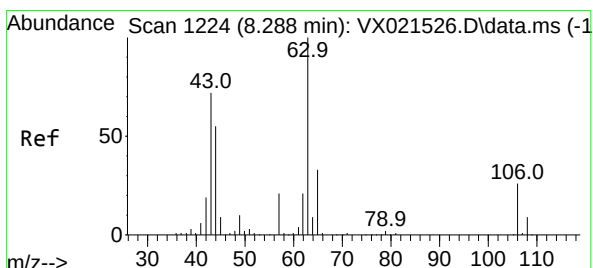
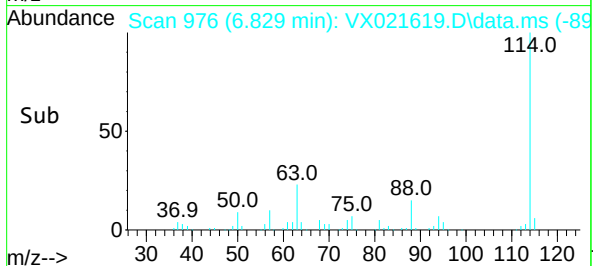
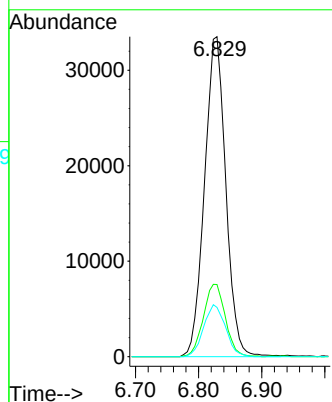
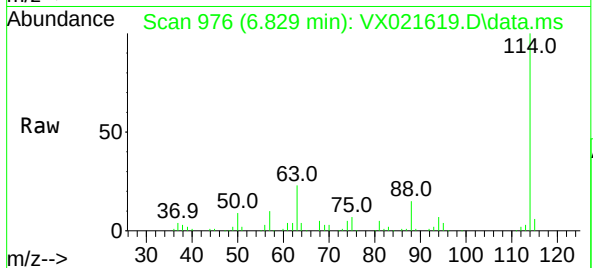




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.006 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

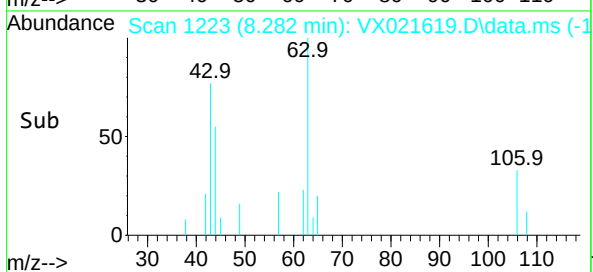
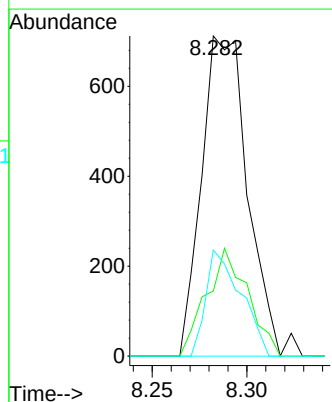
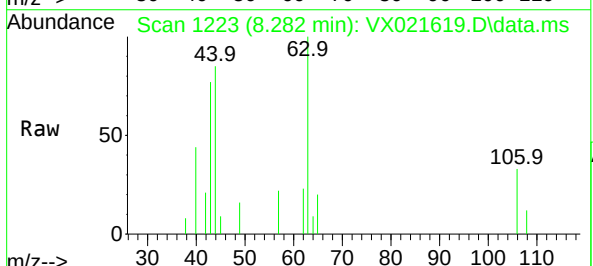
Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

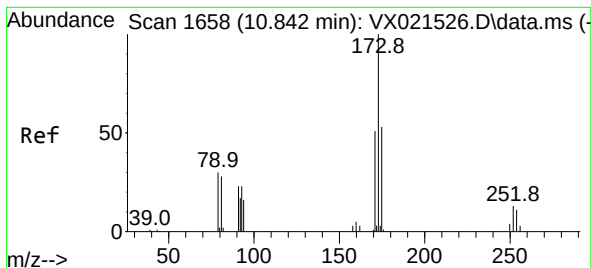
Tgt Ion:114 Resp: 78482
Ion Ratio Lower Upper
114 100
63 23.3 16.2 24.2
88 16.7 13.0 19.6



#55
2-Chloroethyl vinyl ether
Concen: 1.48 ug/l
RT: 8.282 min Scan# 1223
Delta R.T. -0.006 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

Tgt Ion: 63 Resp: 1192
Ion Ratio Lower Upper
63 100
65 30.5 25.9 38.9
106 25.4 23.9 35.9





#56

Bromoform

Concen: 0.43 ug/l

RT: 11.118 min Scan# 1705

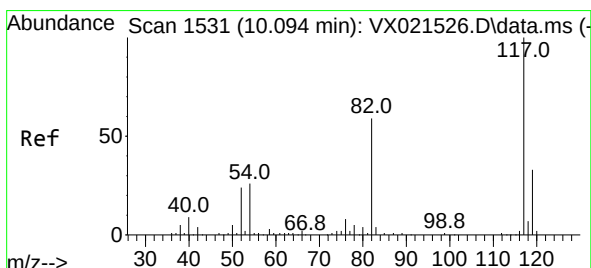
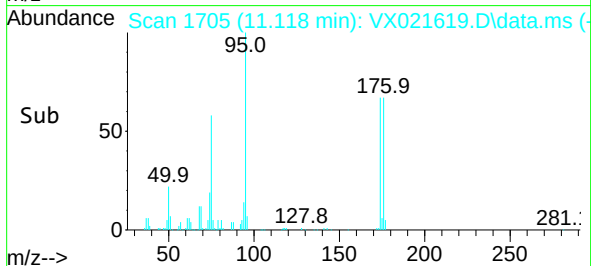
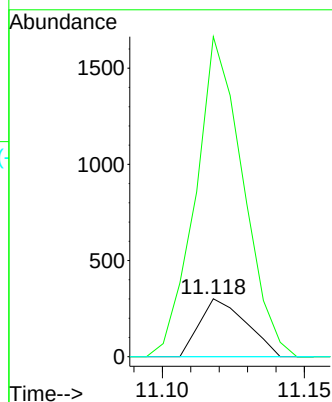
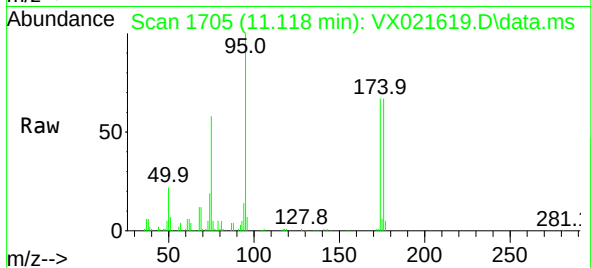
Delta R.T. 0.276 min

Lab File: VX021619.D

Acq: 30 Mar 2021 10:52

Tgt Ion:	173	Resp:	342
Ion Ratio	Lower	Upper	
173	100		
175	567.0	38.1	57.1#
254	0.0	8.2	12.4#

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01



#57

Chlorobenzene-d5

Concen: 30.00 ug/l

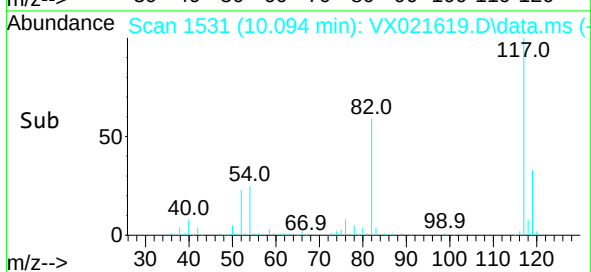
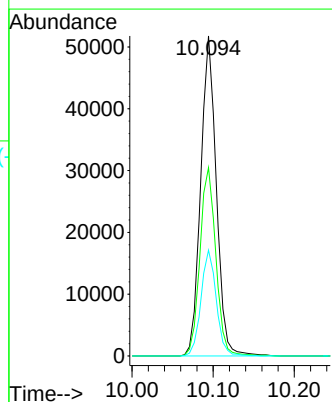
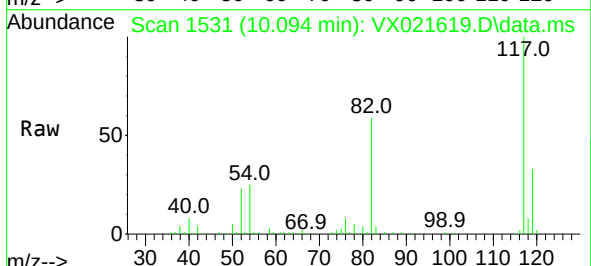
RT: 10.094 min Scan# 1531

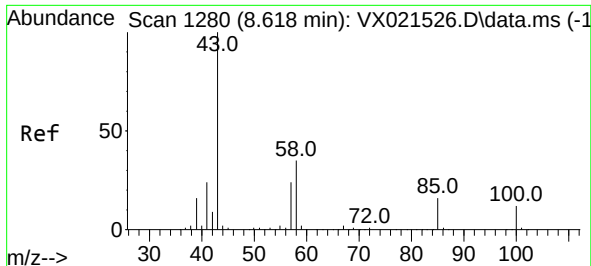
Delta R.T. 0.000 min

Lab File: VX021619.D

Acq: 30 Mar 2021 10:52

Tgt Ion:	117	Resp:	69400
Ion Ratio	Lower	Upper	
117	100		
82	59.8	45.0	67.6
119	32.4	25.6	38.4

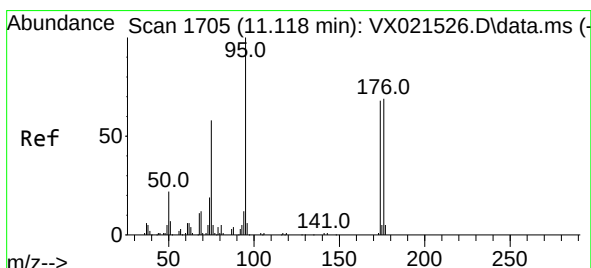
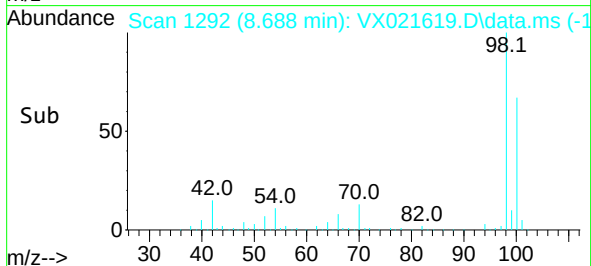
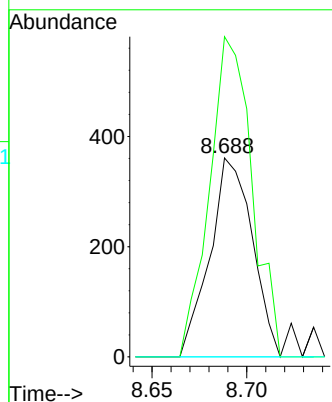
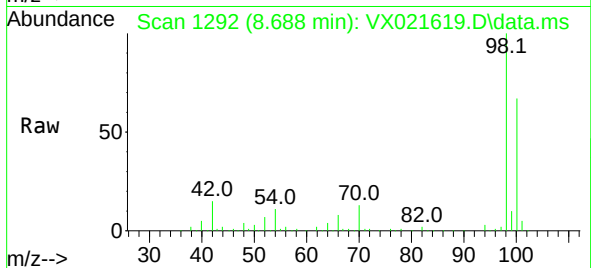




#58
4-Methyl-2-Pentanone
Concen: 0.38 ug/l
RT: 8.688 min Scan# 1292
Delta R.T. 0.070 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

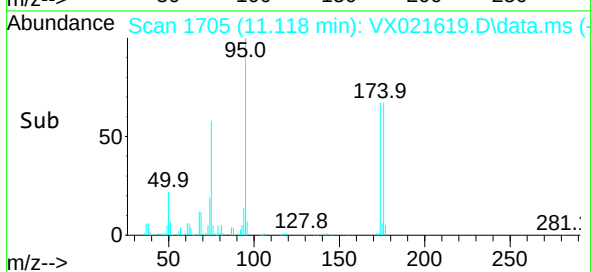
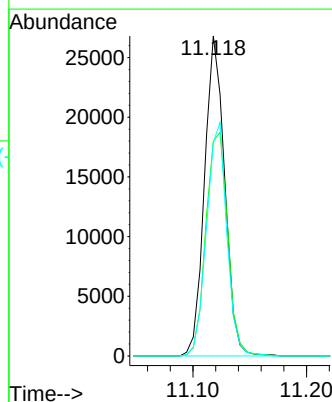
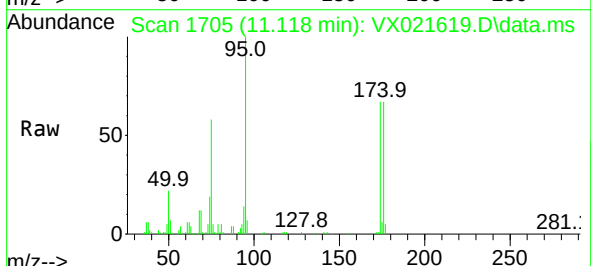
Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

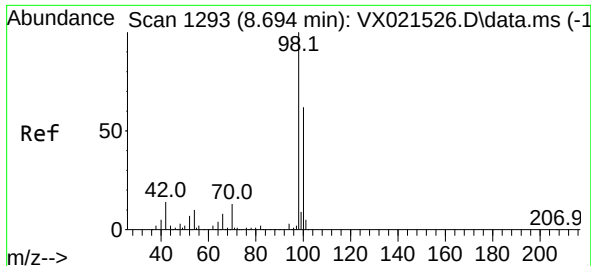
Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
58 161.1 35.2 52.8#
85 0.0 16.8 25.2#



#60
4-Bromofluorobenzene
Concen: 27.04 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

Tgt Ion: 95 Resp: 33006
Ion Ratio Lower Upper
95 100
174 75.6 63.0 94.4
176 73.2 59.9 89.9

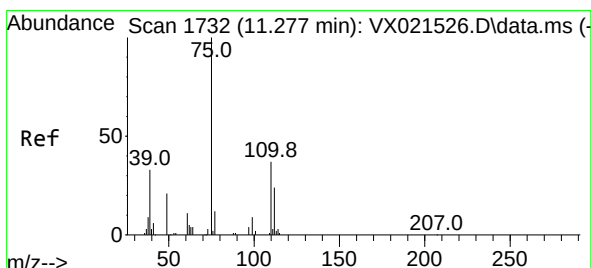
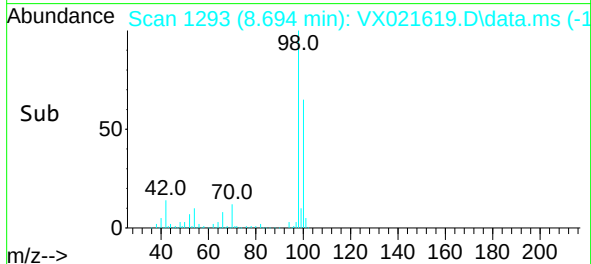
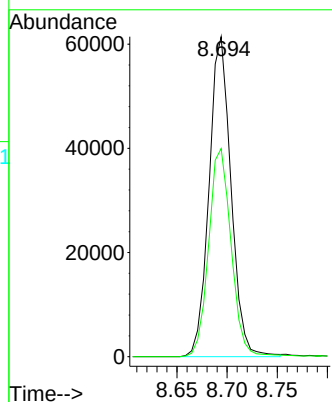
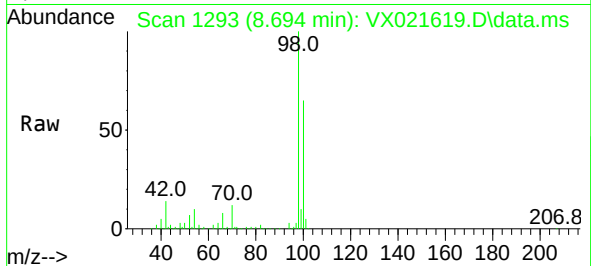




#63
Toluene-d8
Concen: 30.06 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

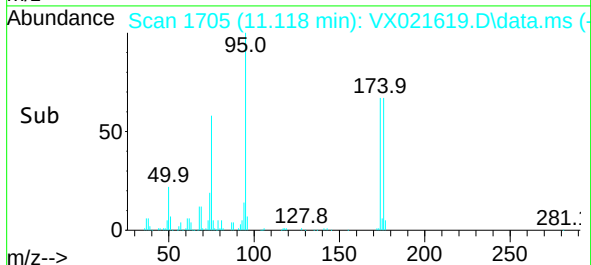
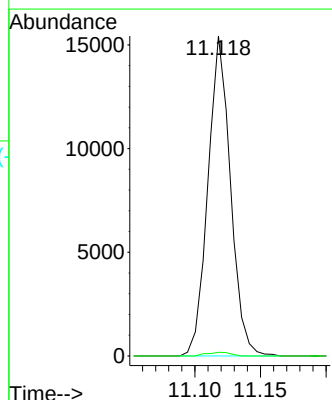
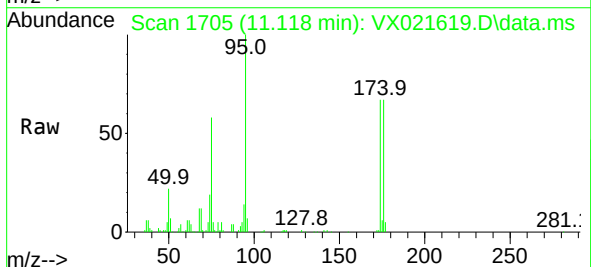
Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

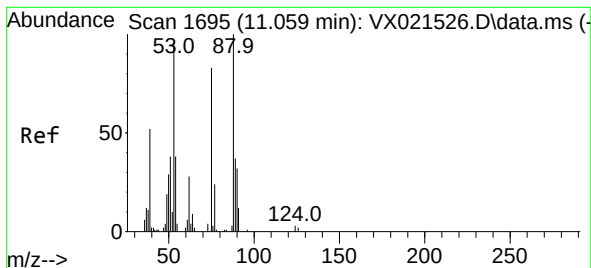
Tgt Ion: 98 Resp: 93704
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#72
1,2,3-Trichloropropane
Concen: 13.32 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

Tgt Ion: 75 Resp: 18462
Ion Ratio Lower Upper
75 100
77 1.2 0.0 74.6

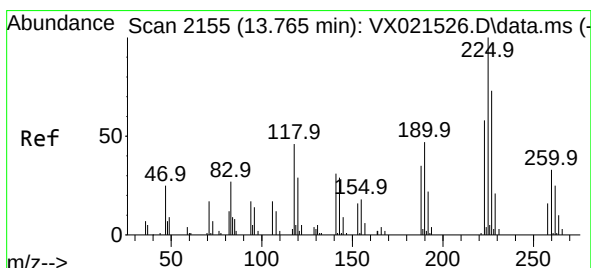
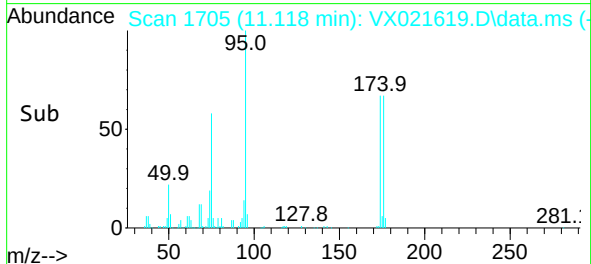
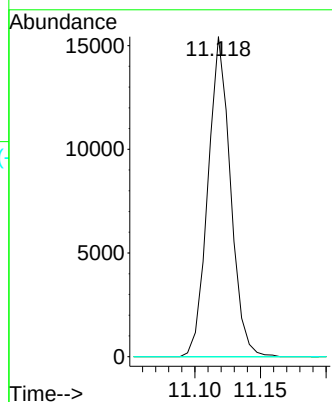
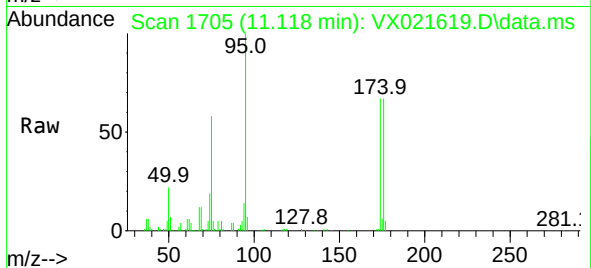




#77
t-1,4-Dichloro-2-butene
Concen: 41.70 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

Instrument :
MSVOA_X
ClientSampleId :
VX0330WBL01

Tgt Ion: 75 Resp: 18462
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.0#
89 0.0 22.7 68.0#



#90
Hexachlorobutadiene
Concen: 0.26 ug/l
RT: 13.765 min Scan# 2155
Delta R.T. -0.000 min
Lab File: VX021619.D
Acq: 30 Mar 2021 10:52

Tgt Ion: 225 Resp: 125
Ion Ratio Lower Upper
225 100
223 58.4 0.0 129.4
227 32.8 0.0 130.4

