

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
 Data File : VX020916.D
 Acq On : 25 Feb 2021 16:19
 Operator : JC/MD
 Sample : M1481-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-027-IDWGW-20210223

Quant Time: Feb 25 16:41:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 25 13:26:35 2021
 Response via : Initial Calibration

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

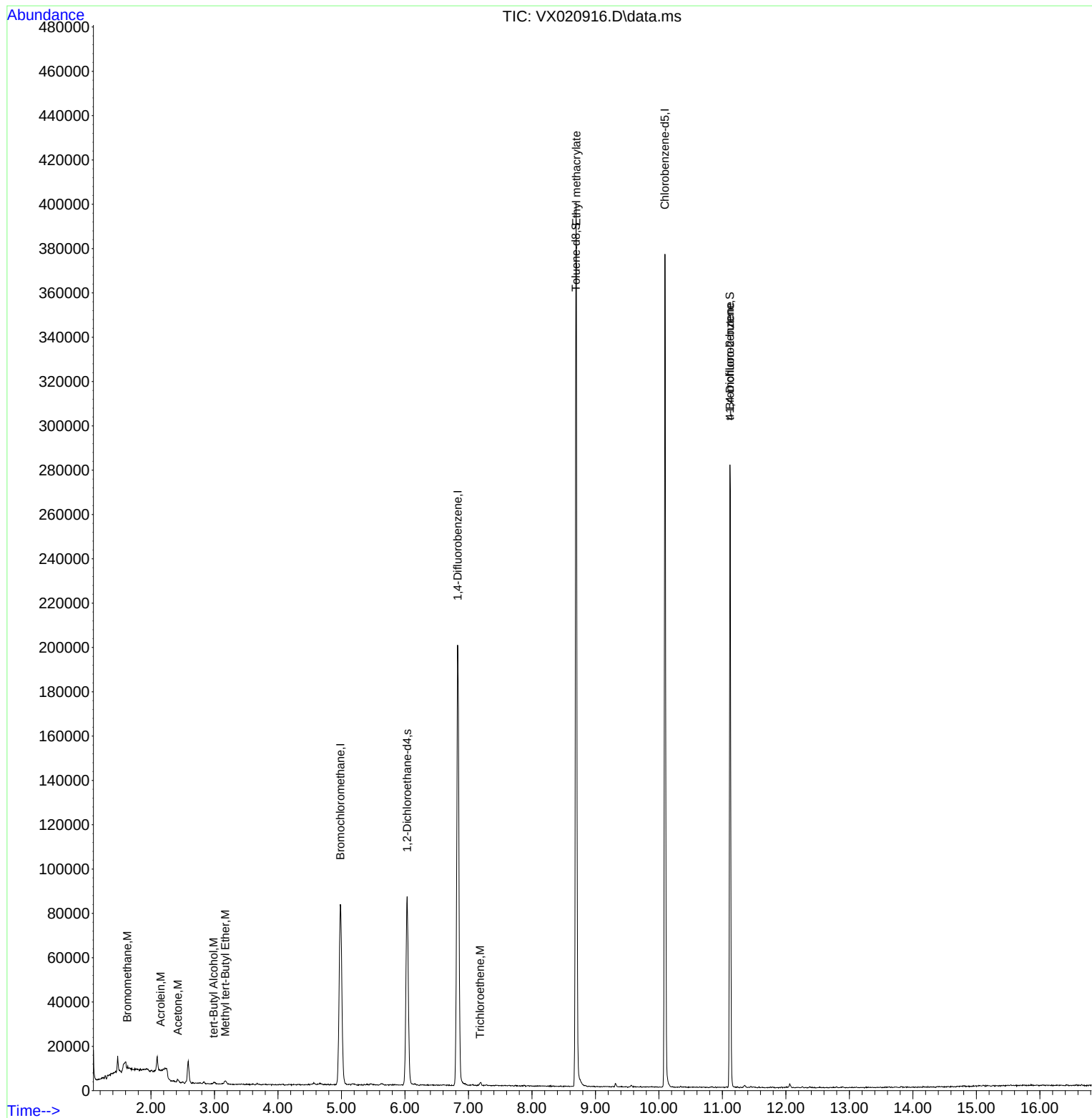
Internal Standards						
1) Bromochloromethane	4.982	128	37746	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	212125	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	178079	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.035	65	80240	30.19	ug/l	0.01
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.63%
60) 4-Bromofluorobenzene	11.118	95	83484	28.34	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.47%
63) Toluene-d8	8.694	98	246067	30.35	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.17%
Target Compounds						
					Qvalue	
5) Bromomethane	1.628	94	783	0.77	ug/l #	65
13) Acrolein	2.152	56	90	0.26	ug/l	84
15) Acetone	2.423	58	486	1.31	ug/l	77
23) tert-Butyl Alcohol	2.987	59	246	0.44	ug/l #	100
24) Methyl tert-Butyl Ether	3.170	73	1821	0.23	ug/l #	84
37) Trichloroethene	7.182	130	590	0.22	ug/l	87
51) Ethyl methacrylate	8.700	69	856	0.22	ug/l	98
77) t-1,4-Dichloro-2-butene	11.118	75	39437	30.81	ug/l #	11

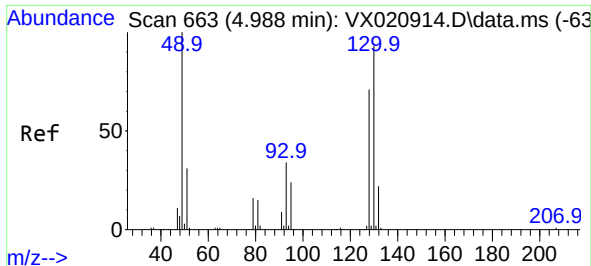
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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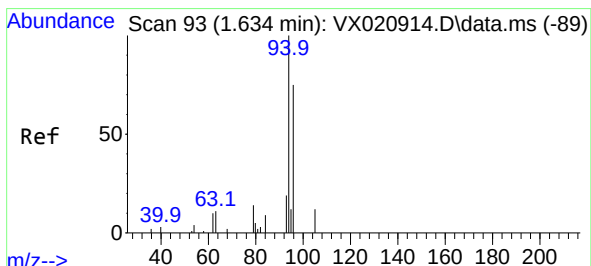
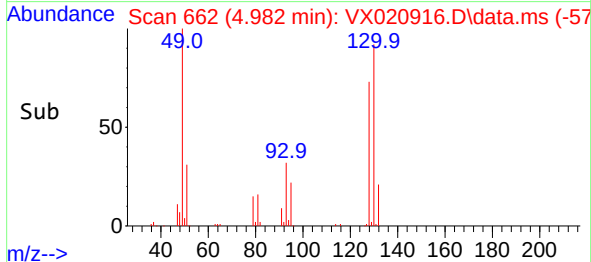
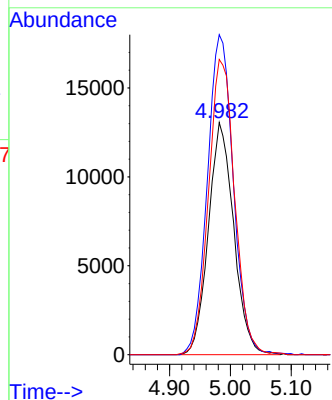
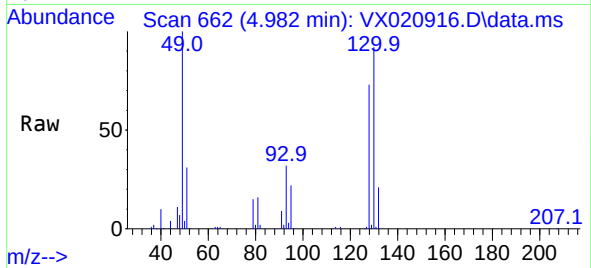




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.982 min Scan# 662
Delta R.T. 0.006 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

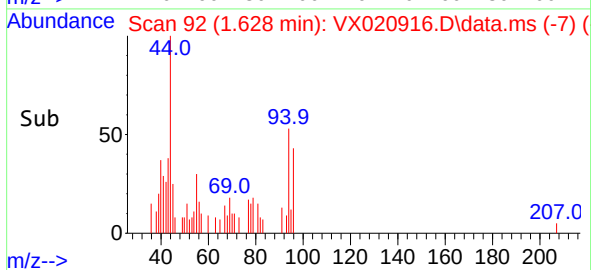
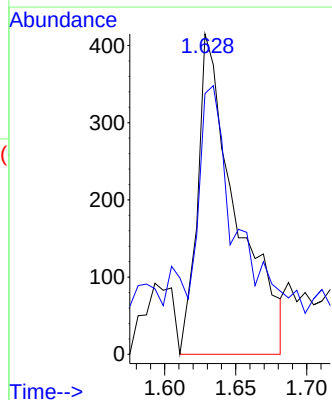
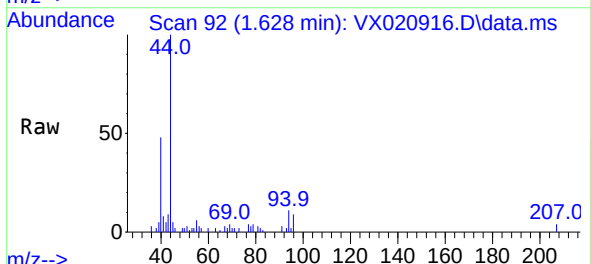
Instrument :
MSVOA_X
ClientSampleId :
TT-027-IDWGW-20210223

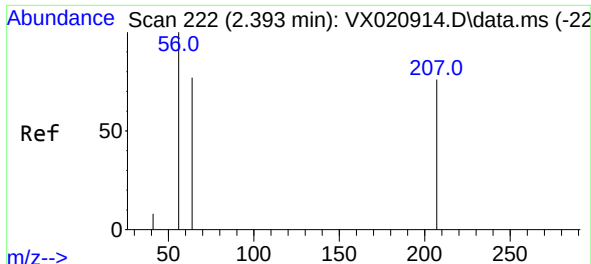
Tgt Ion:128 Resp: 37746
Ion Ratio Lower Upper
128 100
49 141.2 0.0 367.5
130 131.0 0.0 318.8



#5
Bromomethane
Concen: 0.77 ug/l
RT: 1.628 min Scan# 92
Delta R.T. -0.000 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

Tgt Ion: 94 Resp: 783
Ion Ratio Lower Upper
94 100
96 61.7 76.6 114.8#

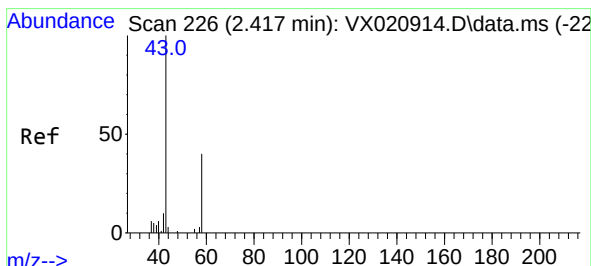
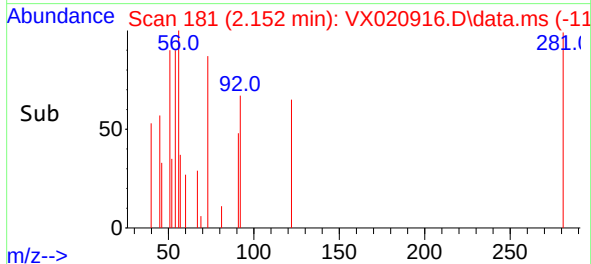
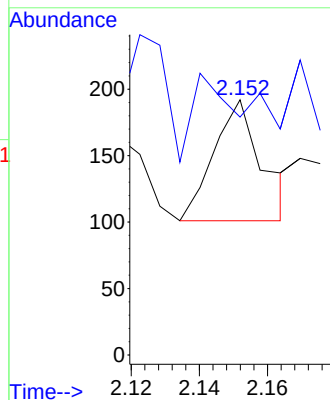
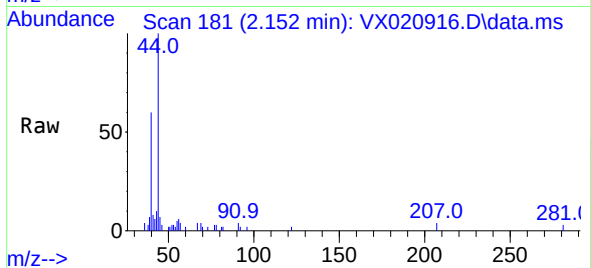




#13
Acrolein
Concen: 0.26 ug/l
RT: 2.152 min Scan# 181
Delta R.T. -0.118 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

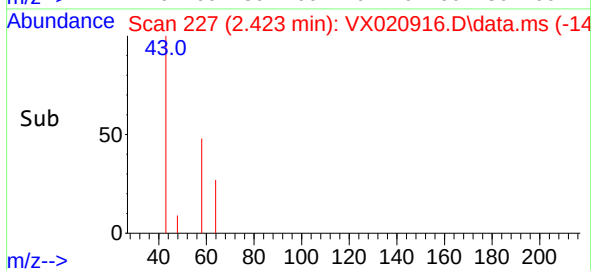
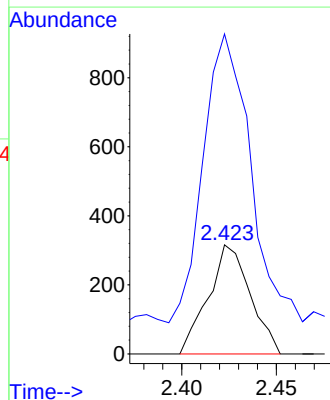
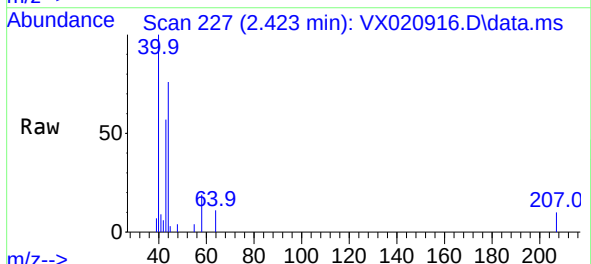
Instrument :
MSVOA_X
ClientSampleId :
TT-027-IDWGW-20210223

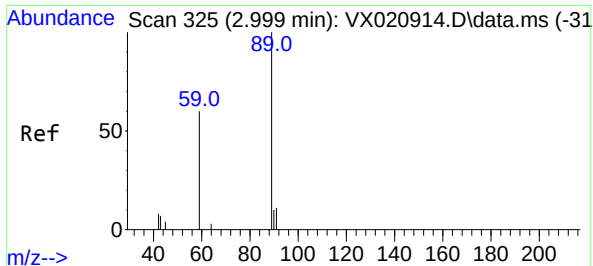
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 83.3 56.3 84.5



#15
Acetone
Concen: 1.31 ug/l
RT: 2.423 min Scan# 227
Delta R.T. 0.006 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

Tgt Ion: 58 Resp: 486
Ion Ratio Lower Upper
58 100
43 246.8 232.6 348.8

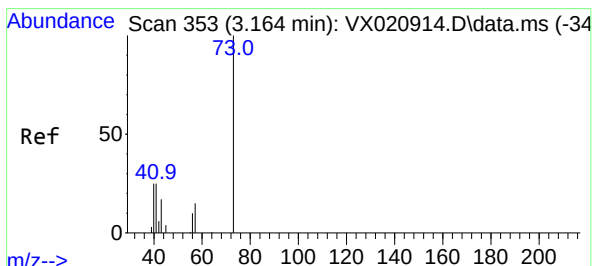
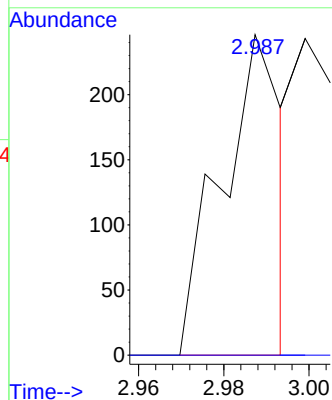




#23
tert-Butyl Alcohol
Concen: 0.44 ug/l
RT: 2.987 min Scan# 323
Delta R.T. -0.024 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

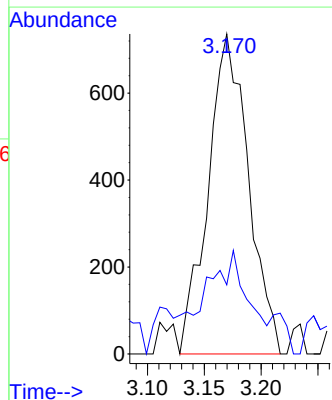
Tgt Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

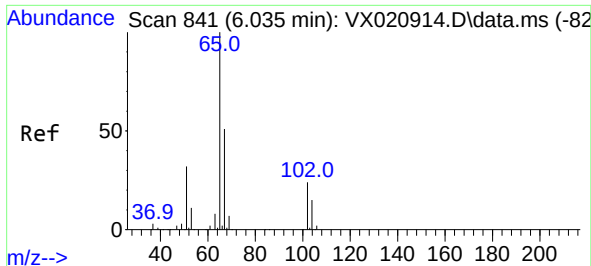
Instrument :
MSVOA_X
ClientSampleId :
TT-027-IDWGW-20210223



#24
Methyl tert-Butyl Ether
Concen: 0.23 ug/l
RT: 3.170 min Scan# 354
Delta R.T. 0.006 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

Tgt Ion: 73 Resp: 1821
Ion Ratio Lower Upper
73 100
43 11.4 14.9 22.3#

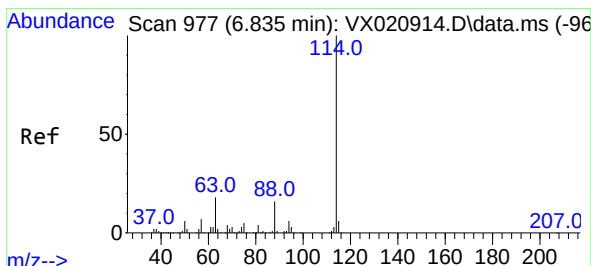
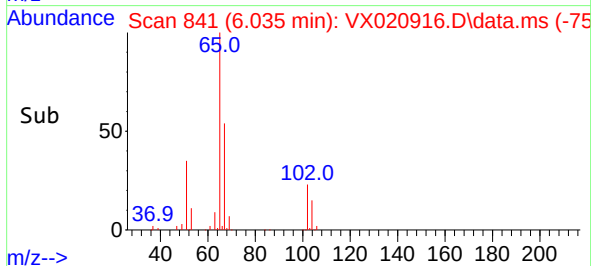
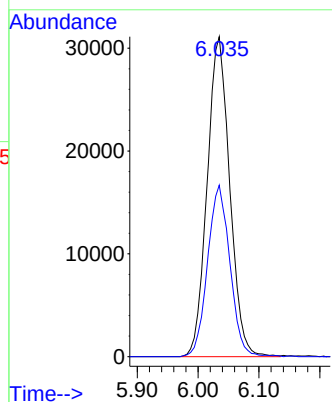
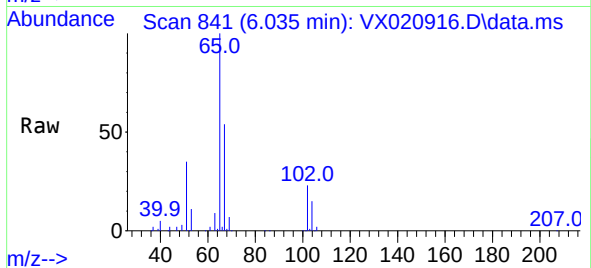




#27
1,2-Dichloroethane-d4
Concen: 30.19 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.012 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

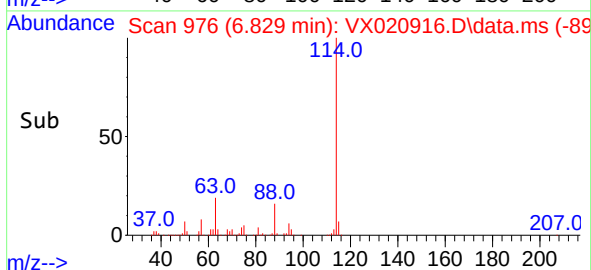
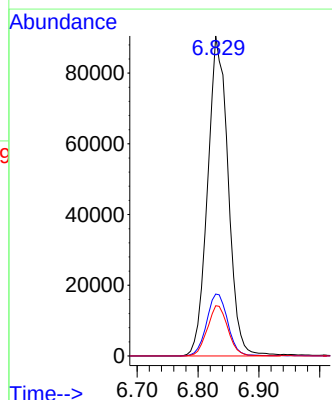
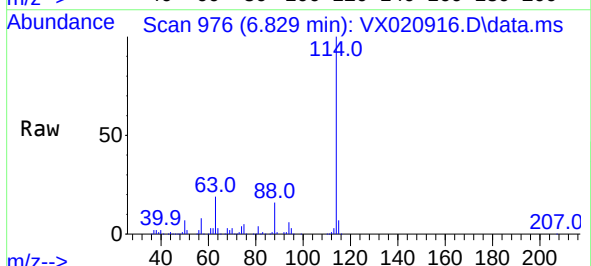
Instrument :
MSVOA_X
ClientSampleId :
TT-027-IDWGW-20210223

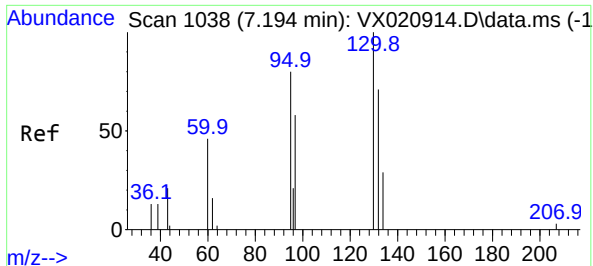
Tgt Ion: 65 Resp: 80240
Ion Ratio Lower Upper
65 100
67 52.9 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

Tgt Ion: 114 Resp: 212125
Ion Ratio Lower Upper
114 100
63 19.9 16.2 24.2
88 15.7 13.0 19.6





#37

Trichloroethene

Concen: 0.22 ug/l

RT: 7.182 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VX020916.D

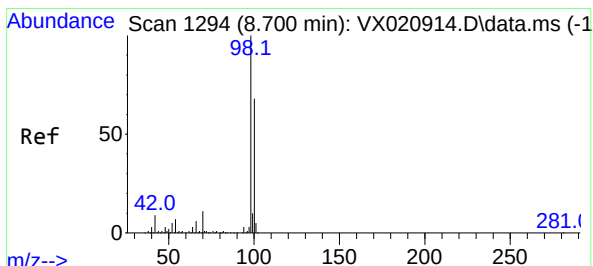
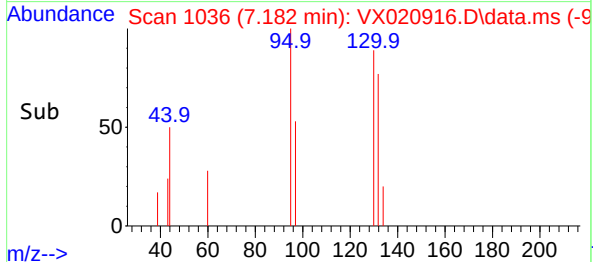
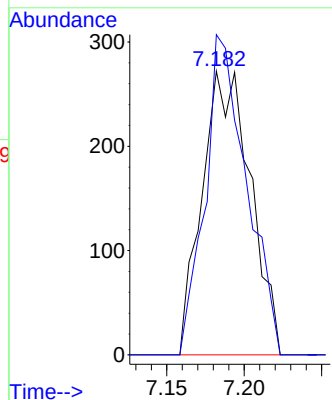
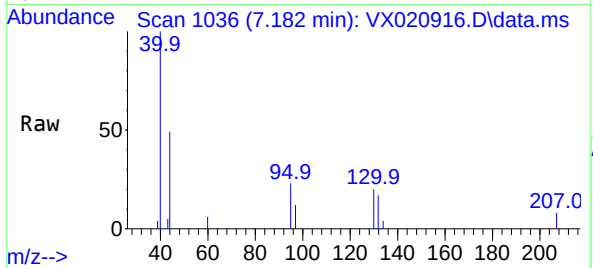
Acq: 25 Feb 2021 16:19

Tgt Ion:130 Resp: 590

Ion Ratio Lower Upper

130 100

95 112.9 80.2 120.4



#51

Ethyl methacrylate

Concen: 0.22 ug/l

RT: 8.700 min Scan# 1294

Delta R.T. -0.459 min

Lab File: VX020916.D

Acq: 25 Feb 2021 16:19

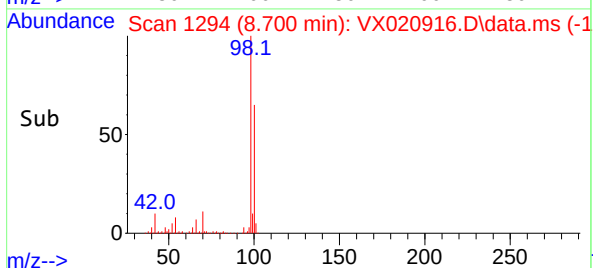
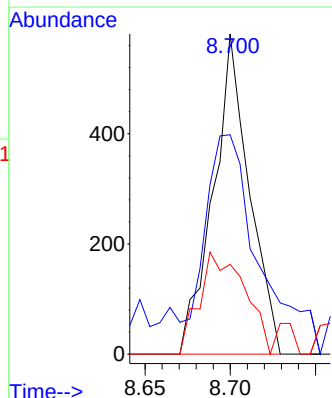
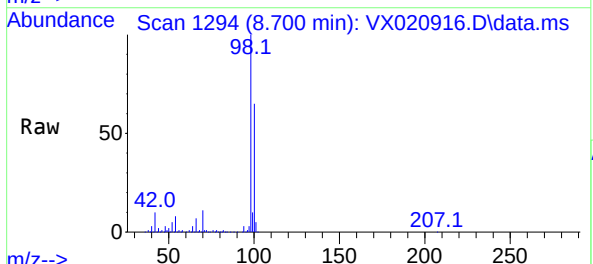
Tgt Ion: 69 Resp: 856

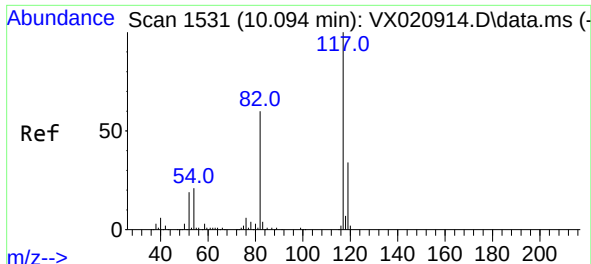
Ion Ratio Lower Upper

69 100

41 58.5 29.1 87.4

39 28.1 15.4 46.1

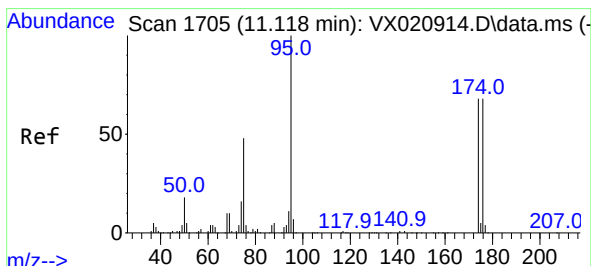
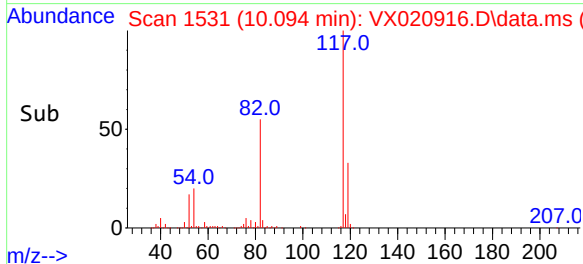
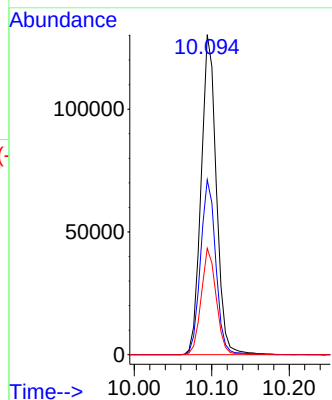
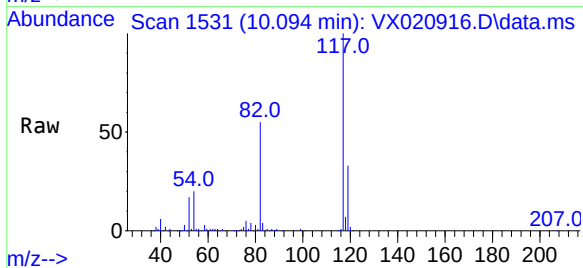




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

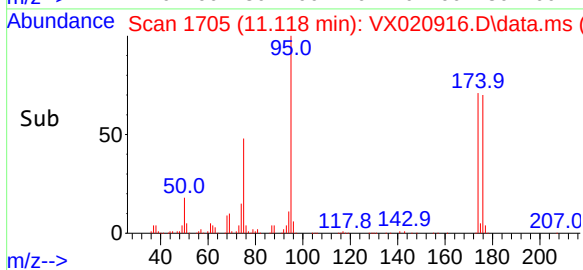
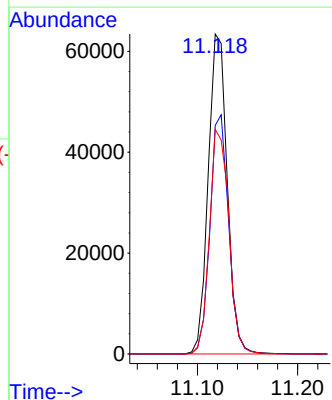
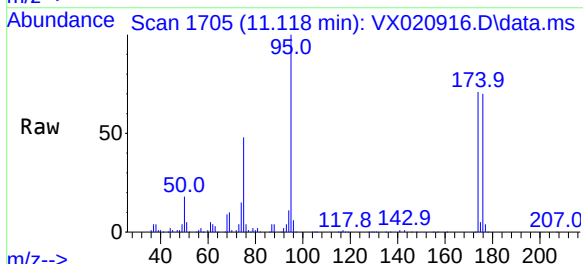
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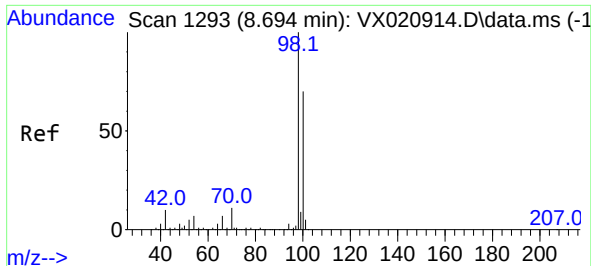
Tgt Ion:	117	Resp:	178079
Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.0	67.6
119	32.8	25.6	38.4



#60
4-Bromofluorobenzene
Concen: 28.34 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

Tgt Ion:	95	Resp:	83484
Ion	Ratio	Lower	Upper
95	100		
174	73.3	63.0	94.4
176	71.6	59.9	89.9

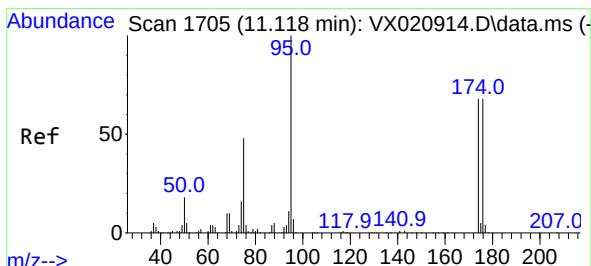
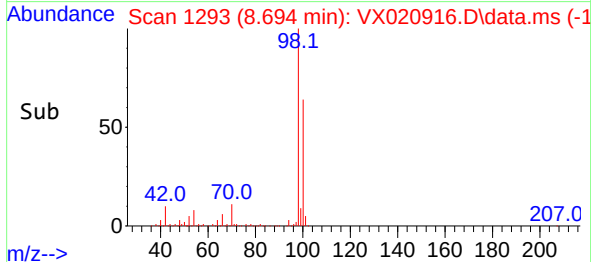
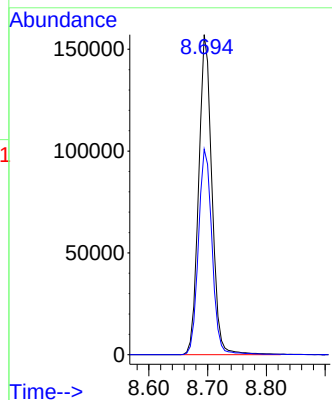
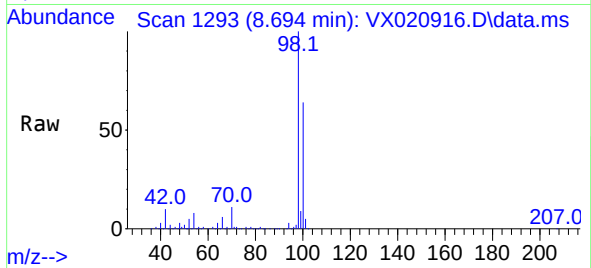




#63
Toluene-d8
Concen: 30.35 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

Instrument :
MSVOA_X
ClientSampleId :
TT-027-IDWGW-20210223

Tgt Ion: 98 Resp: 246067
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#77
t-1,4-Dichloro-2-butene
Concen: 30.81 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX020916.D
Acq: 25 Feb 2021 16:19

Tgt Ion: 75 Resp: 39437
Ion Ratio Lower Upper
75 100
53 0.0 48.4 145.0#
89 0.0 22.7 68.0#

