

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040121\
 Data File : VV020827.D
 Acq On : 01 Apr 2021 13:52
 Operator : SY/MD
 Sample : M1880-03MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 07:17:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM032321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 02 07:14:26 2021
 Response via : Initial Calibration

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

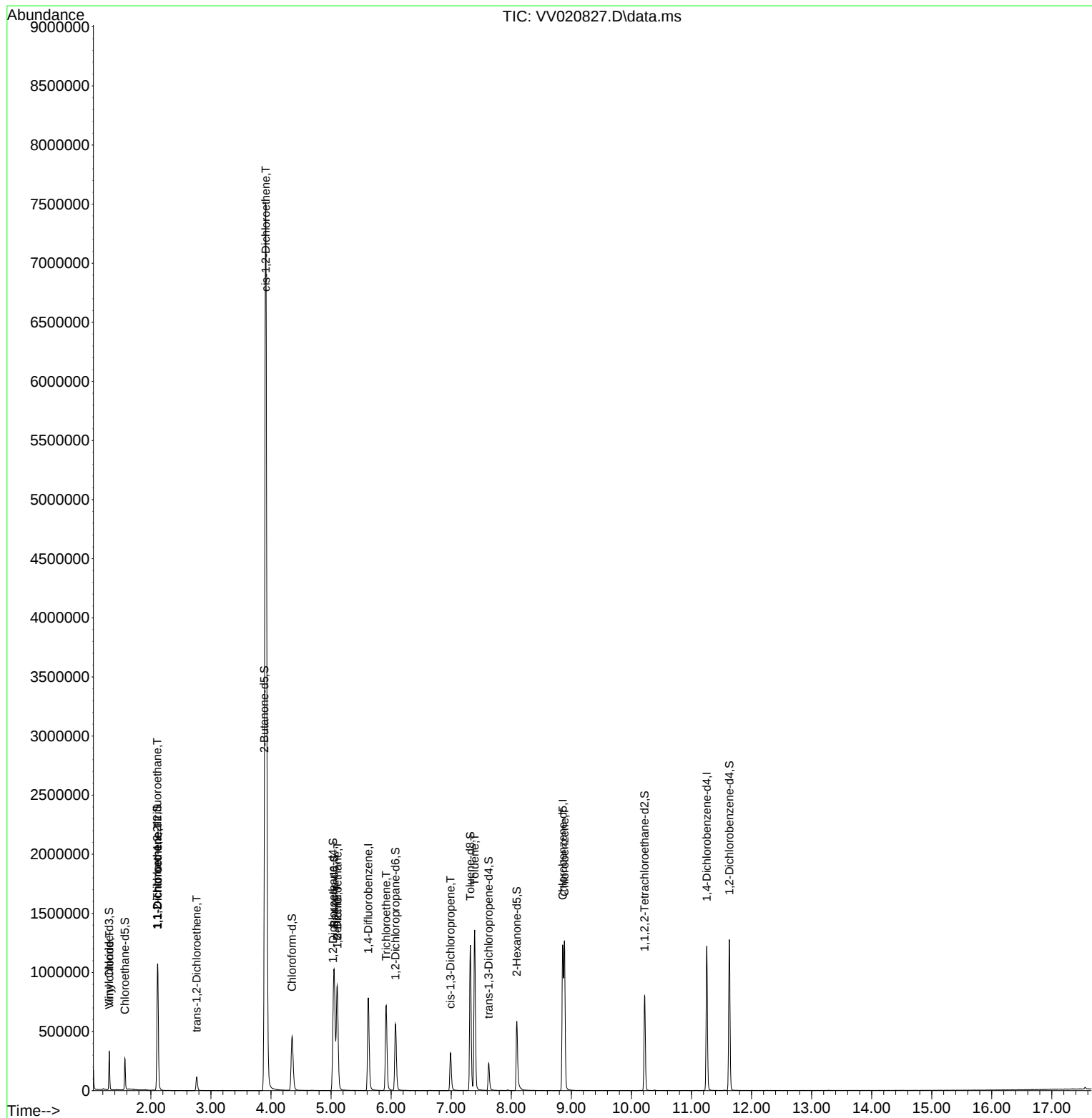
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	679410	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	650013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.255	152	325534	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	184805	38.31	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.62%		
7) Chloroethane-d5	1.568	69	157346	43.15	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.30%		
11) 1,1-Dichloroethene-d2	2.108	63	415647	45.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.34%		
21) 2-Butanone-d5	3.889	46	293508	93.53	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.53%		
24) Chloroform-d	4.352	84	470631	49.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.18%		
26) 1,2-Dichloroethane-d4	5.034	65	319633	50.61	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.22%		
32) Benzene-d6	5.053	84	861360	49.72	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.44%		
36) 1,2-Dichloropropane-d6	6.072	67	255528	48.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.08%		
41) Toluene-d8	7.320	98	806196	49.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.98%		
43) trans-1,3-Dichloroprop...	7.625	79	134682	47.59	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.18%		
47) 2-Hexanone-d5	8.092	63	205692	92.23	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.23%		
57) 1,1,2,2-Tetrachloroeth...	10.220	84	352077	45.44	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.88%		
64) 1,2-Dichlorobenzene-d4	11.632	152	336861	53.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.64%		
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	14101	2.72	ug/L #	72
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	3607	0.85	ug/L #	24
12) 1,1-Dichloroethene	2.118	96	194452	49.04	ug/L	93
17) trans-1,2-Dichloroethene	2.764	96	45050	9.91	ug/L	91
20) cis-1,2-Dichloroethene	3.912	96	4116973	846.32	ug/L	97
27) 1,2-Dichloroethane	5.108	62	7037	0.98	ug/L #	76
33) Benzene	5.101	78	904104	50.43	ug/L	100
34) Trichloroethene	5.918	95	245018	49.85	ug/L	98
39) cis-1,3-Dichloropropene	6.989	75	8783	1.21	ug/L #	77
42) Toluene	7.391	91	988339	50.72	ug/L	98
51) Chlorobenzene	8.886	112	653703	49.97	ug/L	99

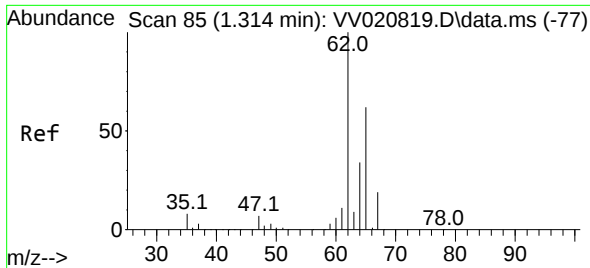
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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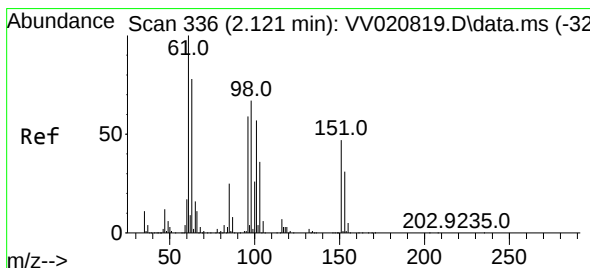
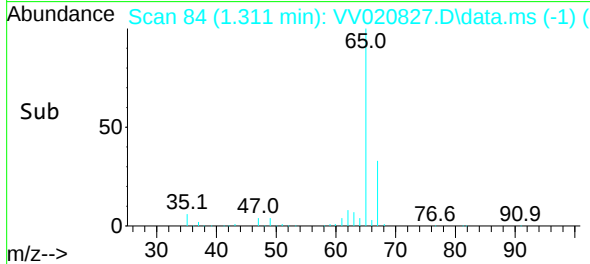
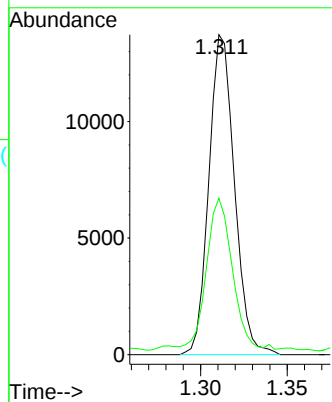
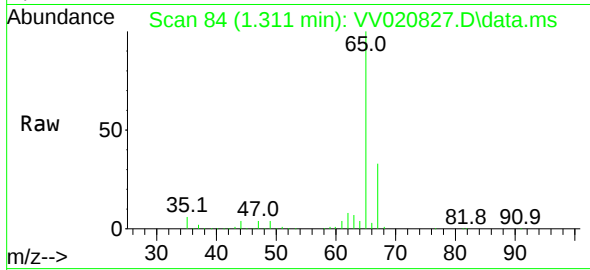




#5
 Vinyl chloride
 Concen: 2.72 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV020827.D
 Acq: 01 Apr 2021 13:52

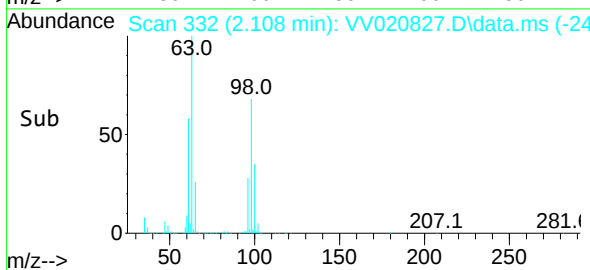
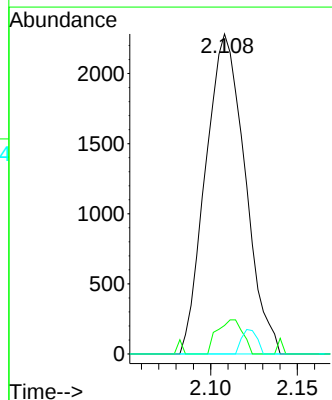
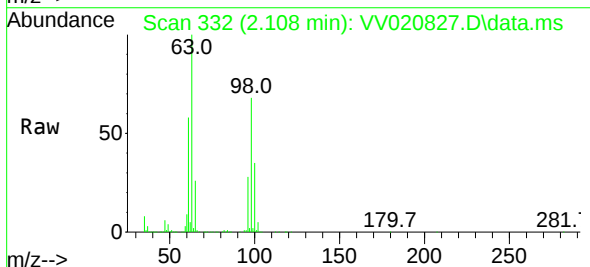
Instrument :
 MSVOA_V
 ClientSampled :

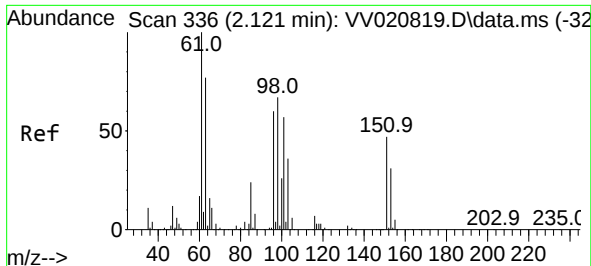
Tgt Ion: 62 Resp: 14101
 Ion Ratio Lower Upper
 62 100
 64 48.9 23.3 43.3#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.85 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.013 min
 Lab File: VV020827.D
 Acq: 01 Apr 2021 13:52

Tgt Ion: 101 Resp: 3607
 Ion Ratio Lower Upper
 101 100
 85 6.9 35.4 53.0#
 151 3.0 63.5 95.3#

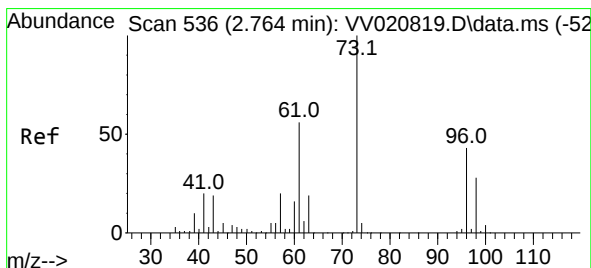
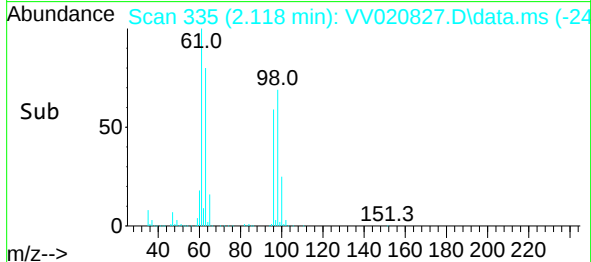
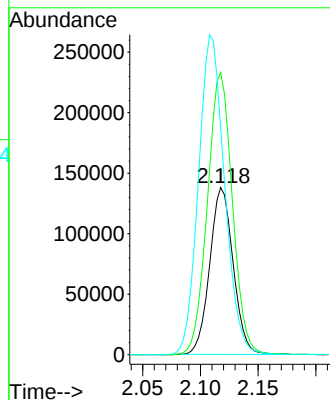
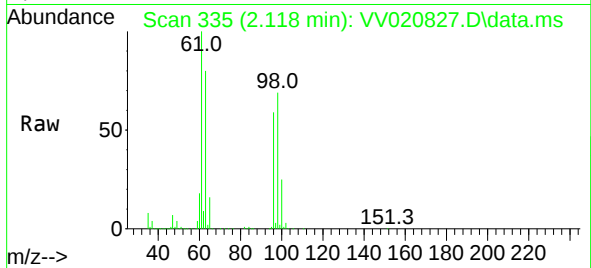




#12
1,1-Dichloroethene
Concen: 49.04 ug/L
RT: 2.118 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV020827.D
Acq: 01 Apr 2021 13:52

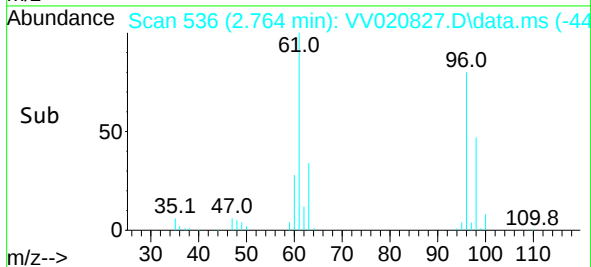
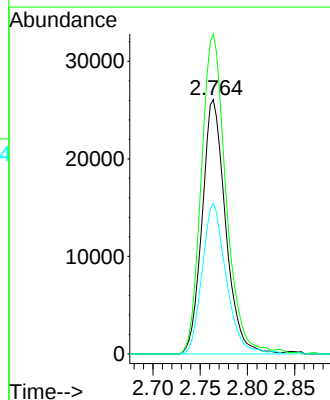
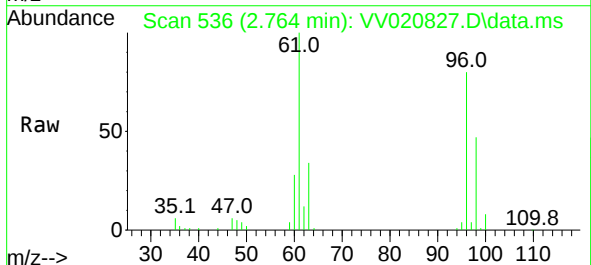
Instrument :
MSVOA_V
ClientSampled :

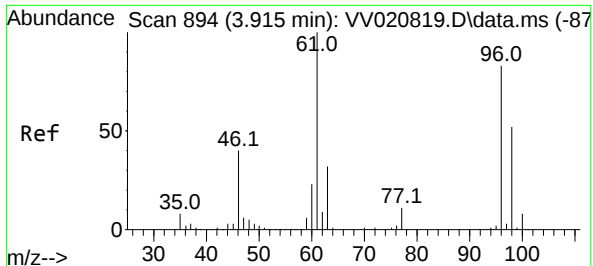
Tgt Ion: 96 Resp: 194452
Ion Ratio Lower Upper
96 100
61 168.8 126.3 234.6
63 135.3 100.2 186.2



#17
trans-1,2-Dichloroethene
Concen: 9.91 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV020827.D
Acq: 01 Apr 2021 13:52

Tgt Ion: 96 Resp: 45050
Ion Ratio Lower Upper
96 100
61 125.8 97.9 181.9
98 59.2 43.9 81.5





#20

cis-1,2-Dichloroethene

Concen: 846.32 ug/L

RT: 3.912 min Scan# 893

Delta R.T. -0.003 min

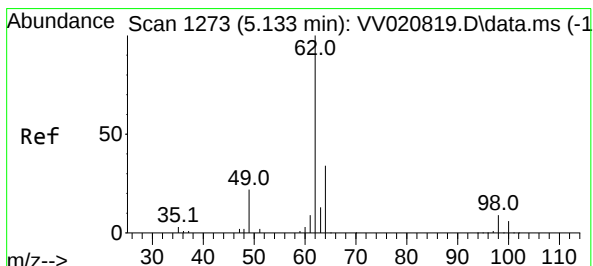
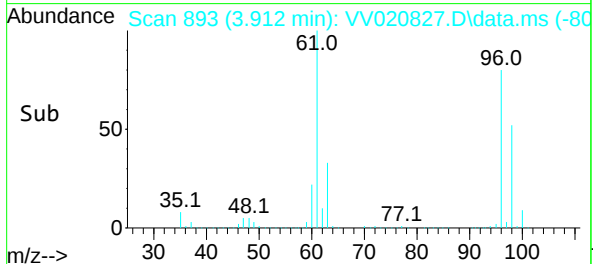
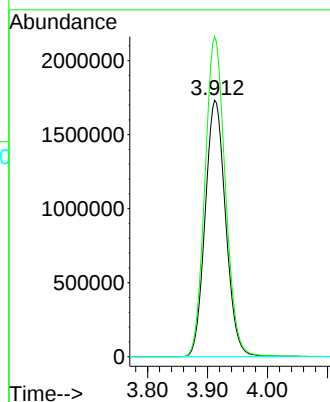
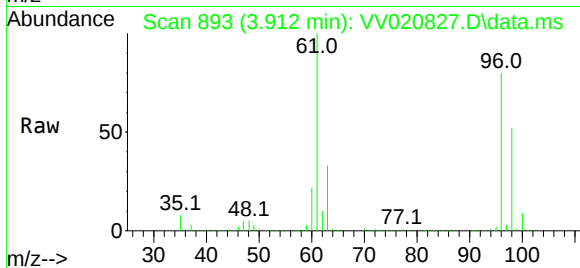
Lab File: VV020827.D

Acq: 01 Apr 2021 13:52

Tgt Ion: 96 Resp: 4116973

Ion	Ratio	Lower	Upper
96	100		
61	124.8	89.9	167.0
68	0.0	0.0	0.0

Instrument :
MSVOA_V
ClientSampled :



#27

1,2-Dichloroethane

Concen: 0.98 ug/L

RT: 5.108 min Scan# 1265

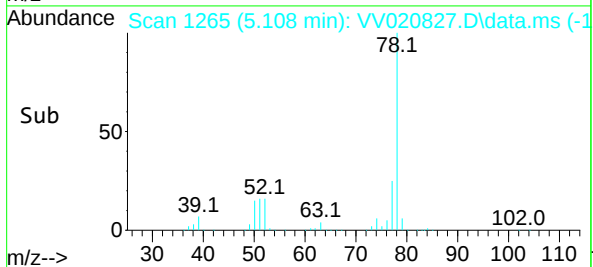
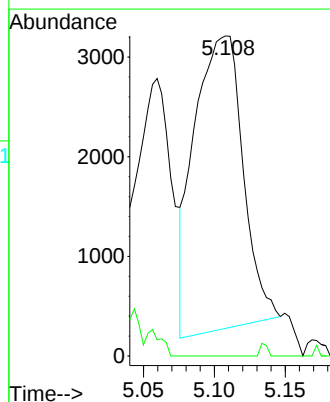
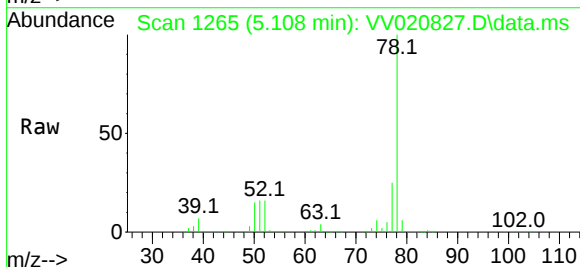
Delta R.T. -0.025 min

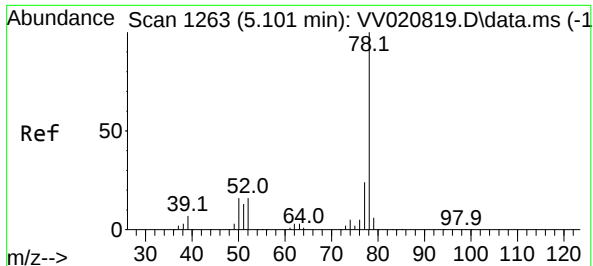
Lab File: VV020827.D

Acq: 01 Apr 2021 13:52

Tgt Ion: 62 Resp: 7037

Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.8	10.2#

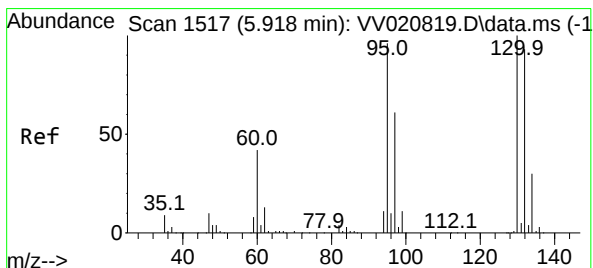
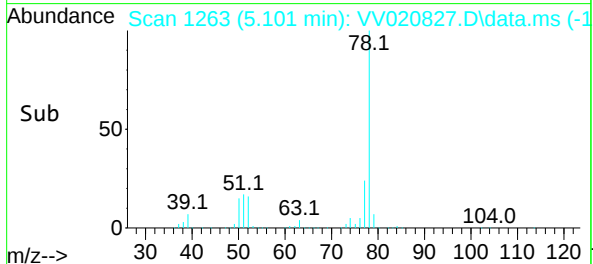
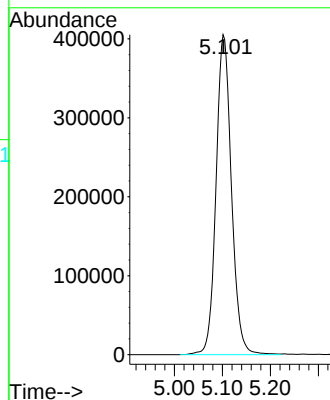
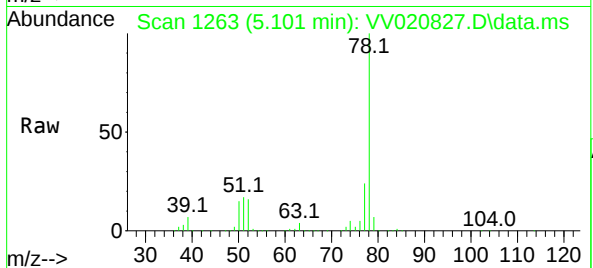




#33
Benzene
Concen: 50.43 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VV020827.D
Acq: 01 Apr 2021 13:52

Instrument :
MSVOA_V
ClientSampled :

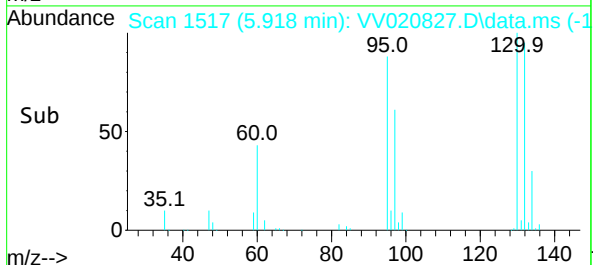
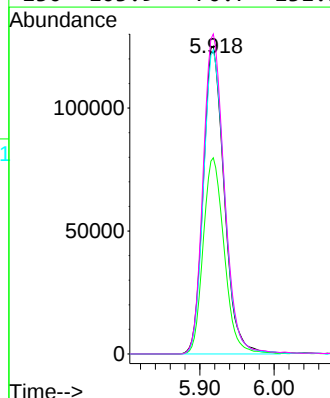
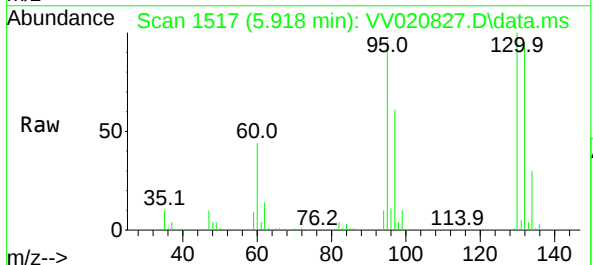
Tgt Ion: 78 Resp: 904104

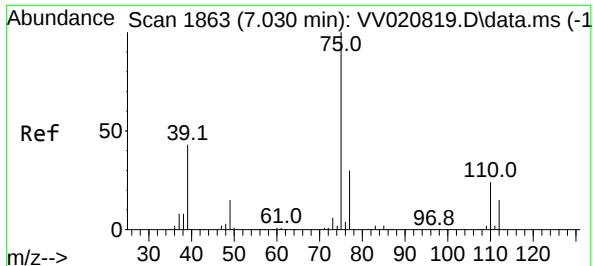


#34
Trichloroethene
Concen: 49.85 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VV020827.D
Acq: 01 Apr 2021 13:52

Tgt Ion: 95 Resp: 245018

Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.5	80.9
132	98.8	69.5	129.1
130	103.9	70.7	131.3

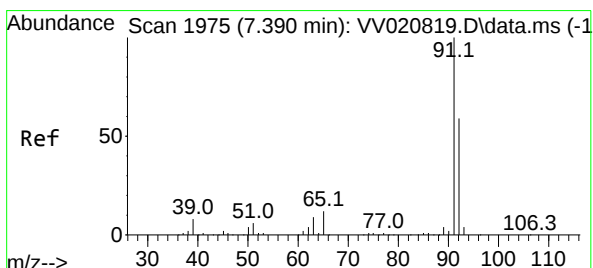
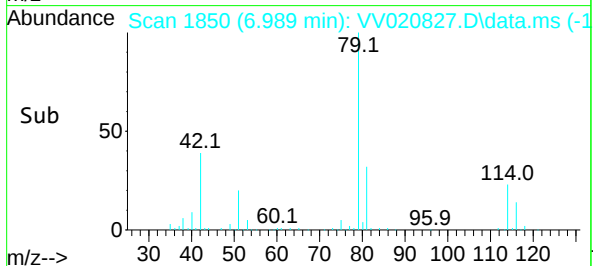
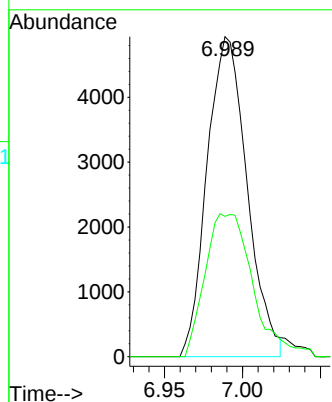
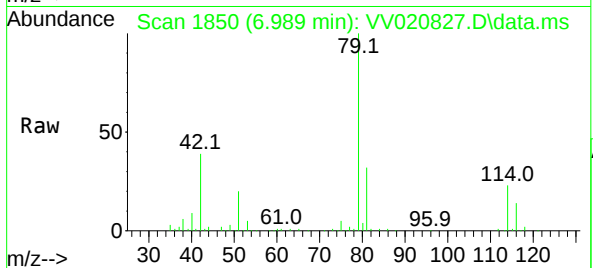




#39
cis-1,3-Dichloropropene
Concen: 1.21 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV020827.D
Acq: 01 Apr 2021 13:52

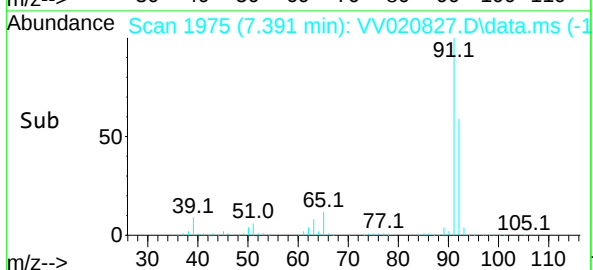
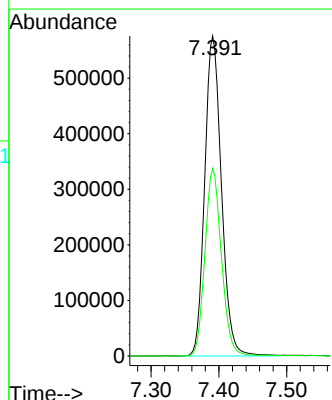
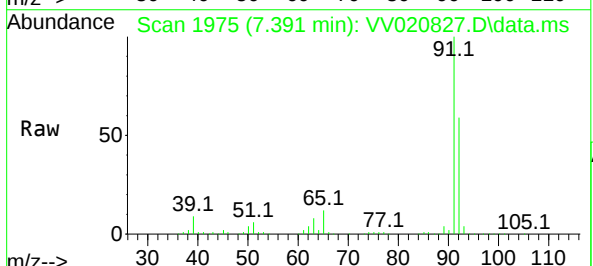
Instrument :
MSVOA_V
ClientSampled :

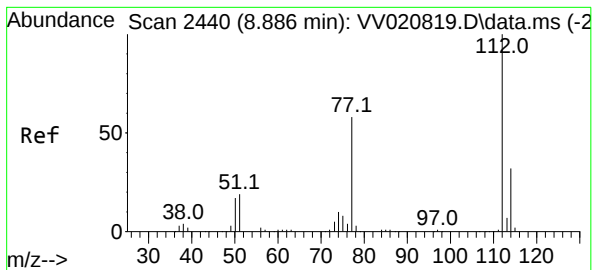
Tgt Ion: 75 Resp: 8783
Ion Ratio Lower Upper
75 100
77 43.8 21.7 40.3#



#42
Toluene
Concen: 50.72 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VV020827.D
Acq: 01 Apr 2021 13:52

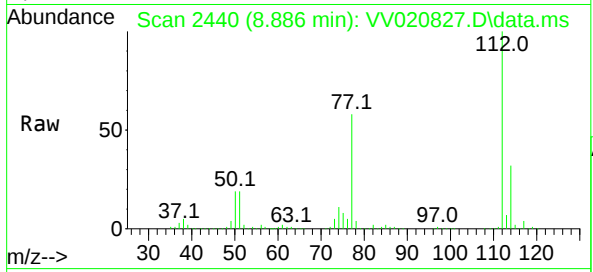
Tgt Ion: 91 Resp: 988339
Ion Ratio Lower Upper
91 100
92 58.6 39.9 74.1





#51
 Chlorobenzene
 Concen: 49.97 ug/L
 RT: 8.886 min Scan# 2440
 Delta R.T. 0.000 min
 Lab File: VV020827.D
 Acq: 01 Apr 2021 13:52

Instrument :
 MSVOA_V
 ClientSampled :



Tgt Ion:112	Resp: 653703
Ion Ratio	Lower Upper
112	100
114	32.2 22.4 41.6
77	57.7 46.7 70.1

