

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040221\
 Data File : VW020893.D
 Acq On : 02 Apr 2021 21:50
 Operator : SY/MD
 Sample : M1879-01DL 10X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW197DL

Quant Time: Apr 03 02:07:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM032321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 03 02:06:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	527557	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	512561	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.255	152	248898	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	145423	38.83	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.66%		
7) Chloroethane-d5	1.571	69	121231	42.81	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.62%		
11) 1,1-Dichloroethene-d2	2.182	63	420	0.06	ug/L	0.07
Spiked Amount 50.000	Range 60 - 125		Recovery =	0.12%#		
21) 2-Butanone-d5	3.899	46	236005	96.85	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.85%		
24) Chloroform-d	4.352	84	401879	53.98	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.96%		
26) 1,2-Dichloroethane-d4	5.037	65	278113	56.71	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	113.42%		
32) Benzene-d6	5.053	84	734135	53.73	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.46%		
36) 1,2-Dichloropropane-d6	6.072	67	214498	51.14	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.28%		
41) Toluene-d8	7.320	98	695233	54.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.34%		
43) trans-1,3-Dichloroprop...	7.625	79	120394	53.95	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	107.90%		
47) 2-Hexanone-d5	8.091	63	164547	93.57	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.57%		
57) 1,1,2,2-Tetrachloroeth...	10.220	84	300609	49.20	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.40%		
64) 1,2-Dichlorobenzene-d4	11.632	152	296352	61.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	122.70%#		
Target Compounds						Qvalue
5) Vinyl chloride	1.314	62	219858	54.55	ug/L	100
6) Bromomethane	1.526	94	1863	0.73	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	3917	1.18	ug/L #	25
12) 1,1-Dichloroethene	2.117	96	4843	1.57	ug/L #	1
17) trans-1,2-Dichloroethene	2.767	96	3104	0.88	ug/L	81
20) cis-1,2-Dichloroethene	3.915	96	411718	109.00	ug/L	94
27) 1,2-Dichloroethane	5.050	62	4873	0.87	ug/L	96
31) Carbon tetrachloride	4.831	117	4460	0.79	ug/L	92
34) Trichloroethene	5.924	95	3716	0.96	ug/L #	76
35) Methylcyclohexane	6.130	83	4092	0.69	ug/L #	62
42) Toluene	7.400	91	17152	1.12	ug/L	89
44) trans-1,3-Dichloropropene	7.625	75	6763	1.17	ug/L	87
46) Tetrachloroethene	7.982	164	2424	0.75	ug/L	86
53) m,p-Xylene	9.149	106	4182	0.64	ug/L	93
58) 1,1,2,2-Tetrachloroethane	10.239	83	4811	0.81	ug/L #	80
59) 1,2,3-Trichloropropane	11.255	75	24000	4.96	ug/L	98
63) 1,4-Dichlorobenzene	11.278	146	5866	0.74	ug/L	93
65) 1,2-Dichlorobenzene	11.654	146	6048	0.81	ug/L	93

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QLast Update : Sat Apr 03 02:06:54 2021
Response via : Initial Calibration

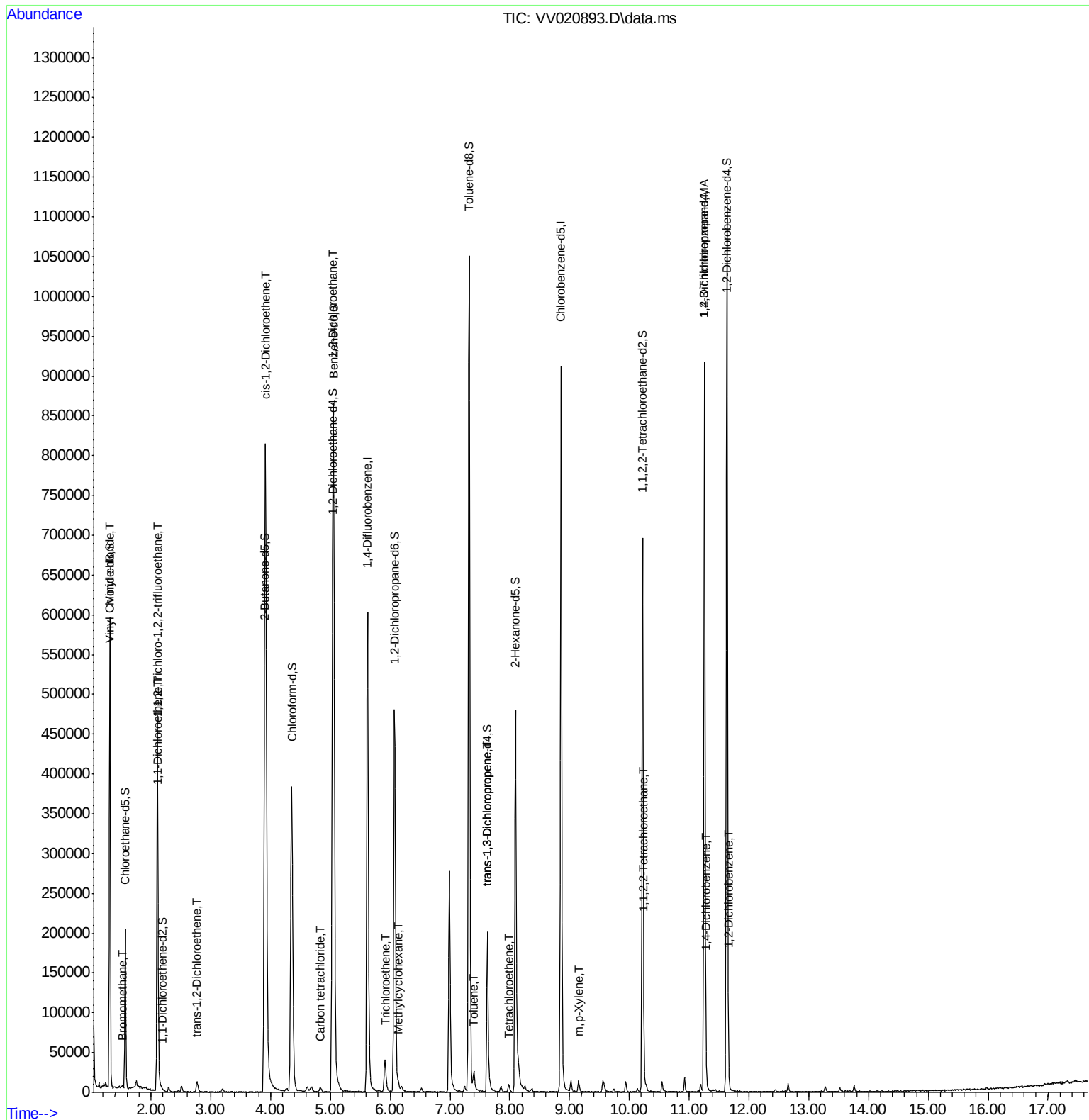
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

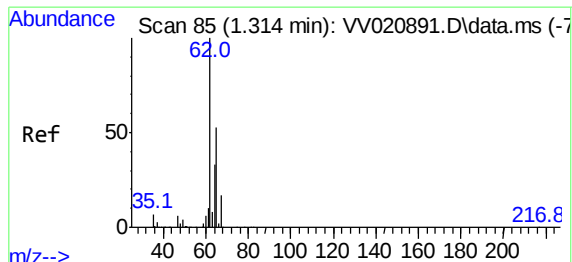
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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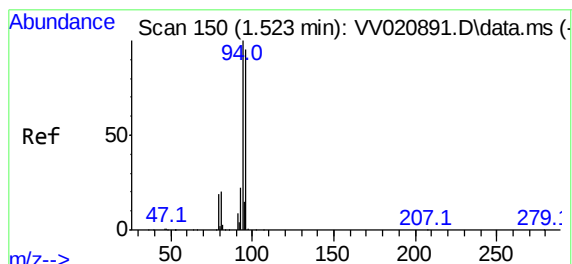
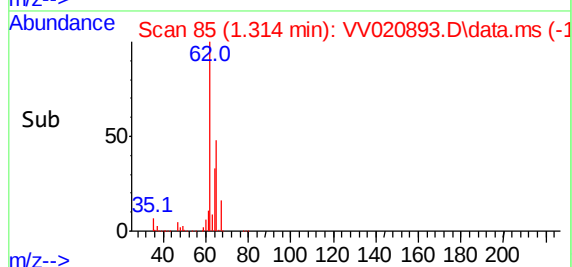
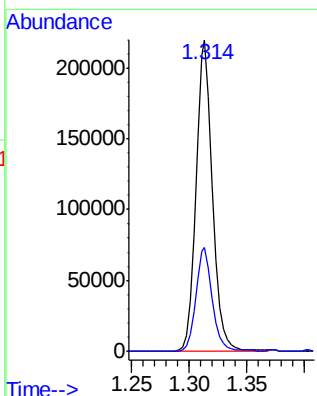
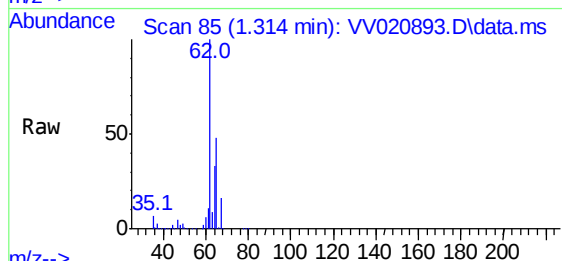




#5
 Vinyl chloride
 Concen: 54.55 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. -0.000 min
 Lab File: VV020893.D
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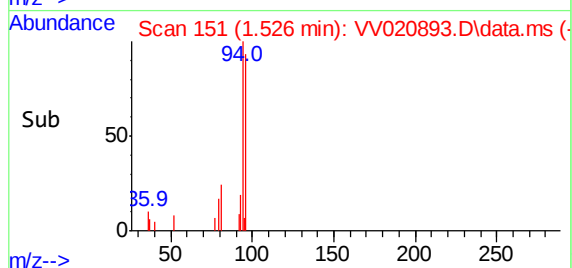
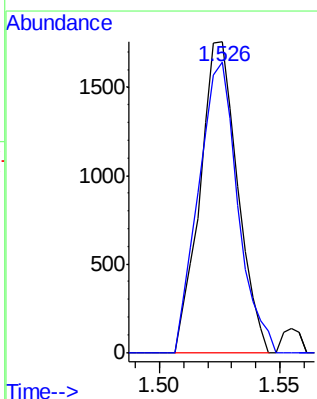
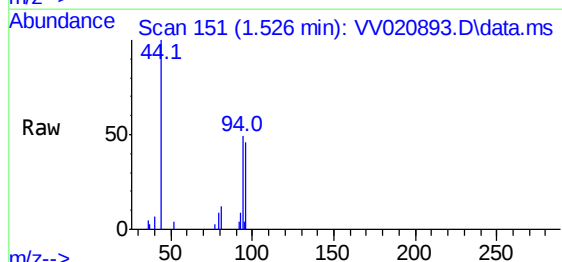
Instrument :
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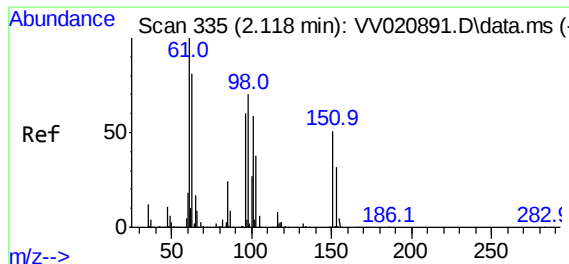
Tgt Ion: 62 Resp: 219858
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.3 43.3



#6
 Bromomethane
 Concen: 0.73 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV020893.D
 Acq: 02 Apr 2021 21:50

Tgt Ion: 94 Resp: 1863
 Ion Ratio Lower Upper
 94 100
 96 93.4 65.6 121.8

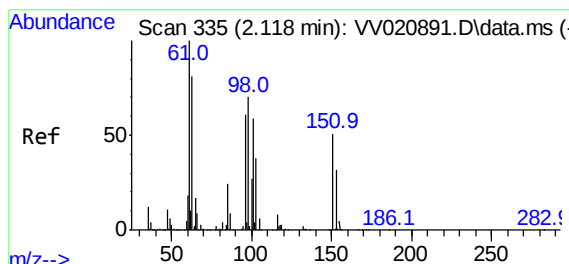
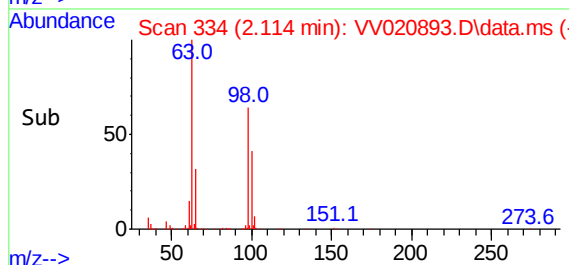
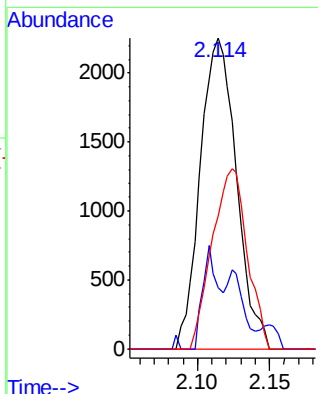
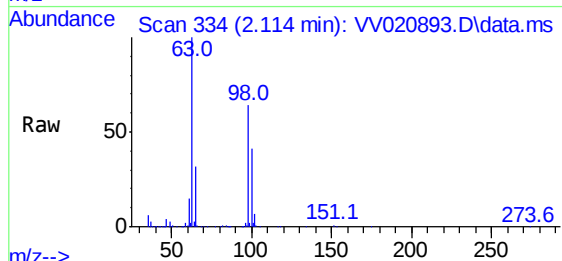




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.18 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: VV020893.D
 Acq: 02 Apr 2021 21:50

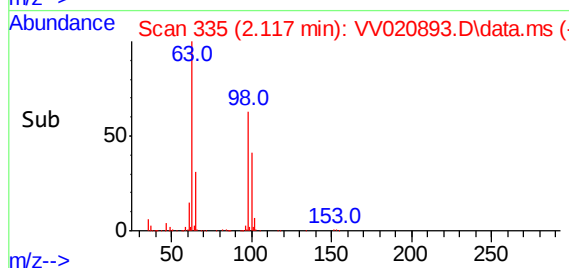
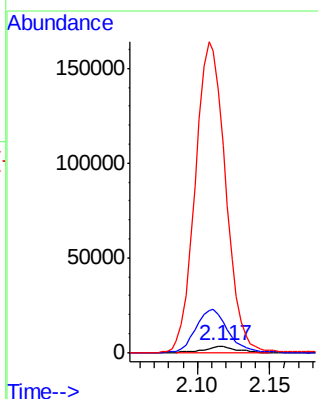
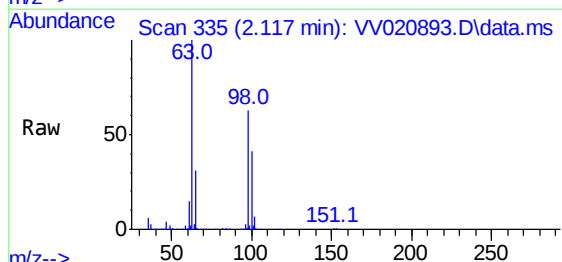
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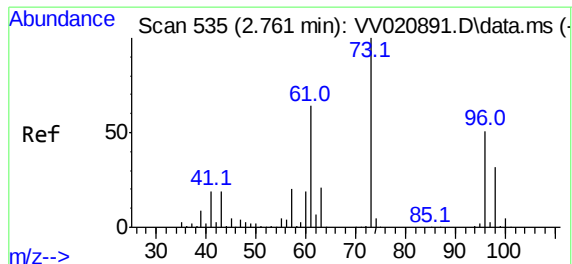
Tgt Ion:101 Resp: 3917
 Ion Ratio Lower Upper
 101 100
 85 14.3 35.4 53.0#
 151 0.0 63.5 95.3#



#12
 1,1-Dichloroethene
 Concen: 1.57 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.000 min
 Lab File: VV020893.D
 Acq: 02 Apr 2021 21:50

Tgt Ion: 96 Resp: 4843
 Ion Ratio Lower Upper
 96 100
 61 501.8 126.3 234.6#
 63 3402.7 100.2 186.2#

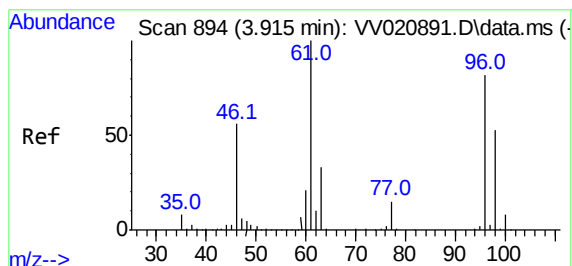
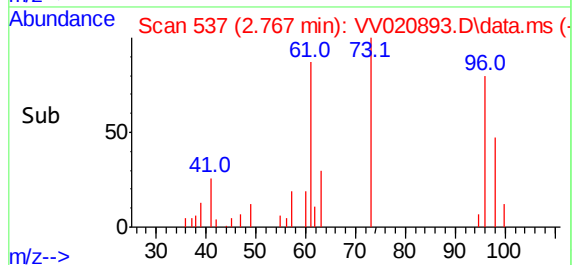
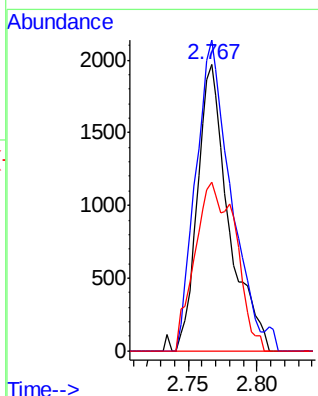
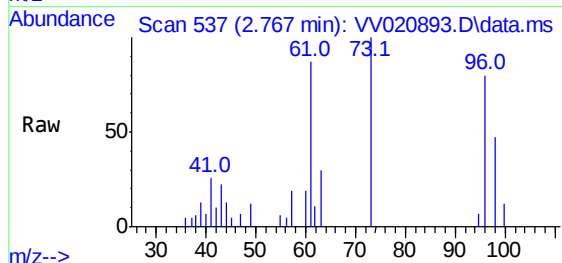




#17
trans-1,2-Dichloroethene
Concen: 0.88 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

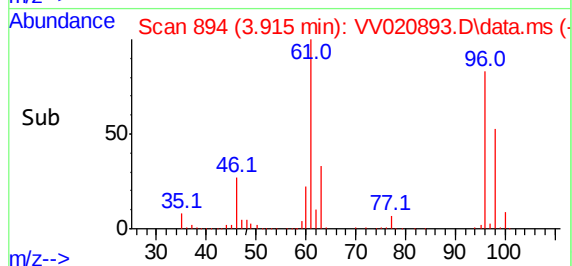
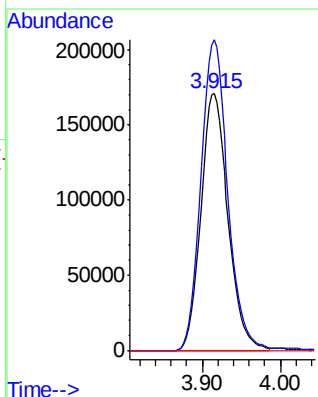
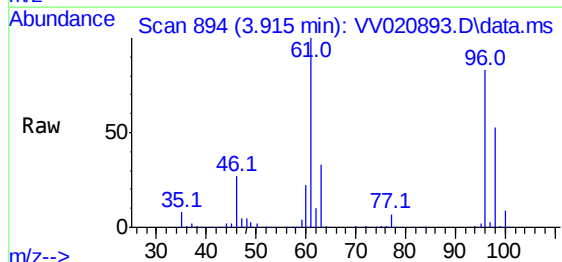
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ClientSampled :
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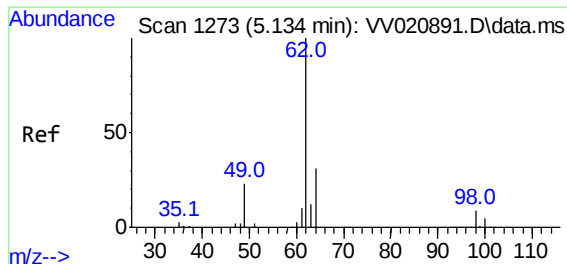
Tgt Ion: 96 Resp: 3104
Ion Ratio Lower Upper
96 100
61 108.5 97.9 181.9
98 59.1 43.9 81.5



#20
cis-1,2-Dichloroethene
Concen: 109.00 ug/L
RT: 3.915 min Scan# 894
Delta R.T. -0.000 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

Tgt Ion: 96 Resp: 411718
Ion Ratio Lower Upper
96 100
61 121.1 89.9 167.0
68 0.0 0.0 0.0

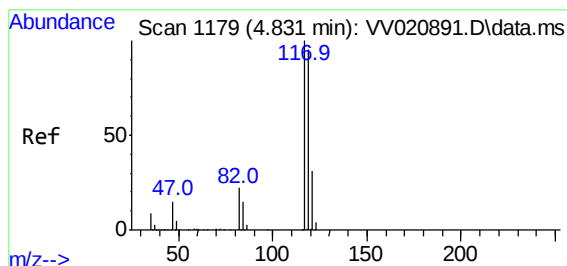
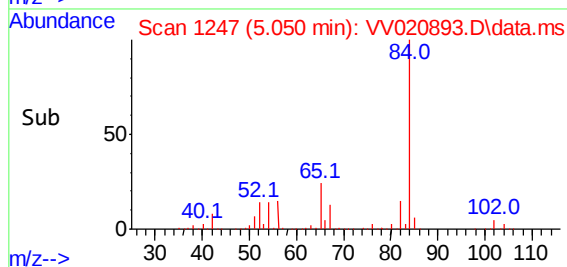
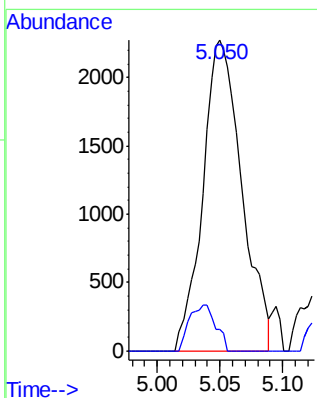
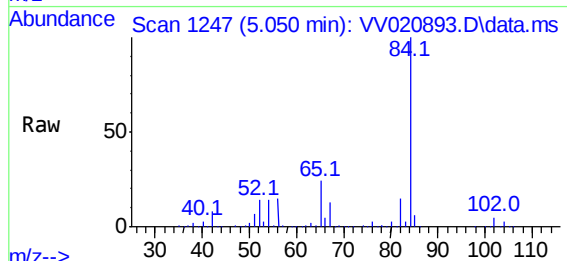




#27
1,2-Dichloroethane
Concen: 0.87 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. -0.084 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

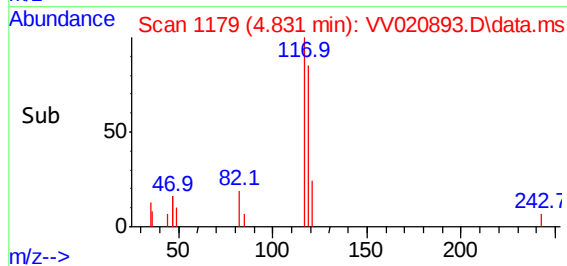
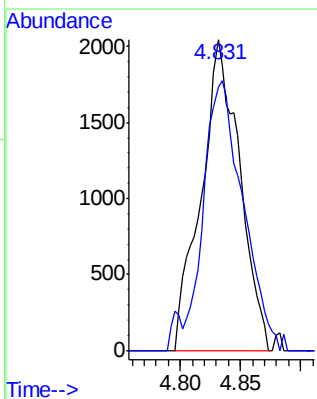
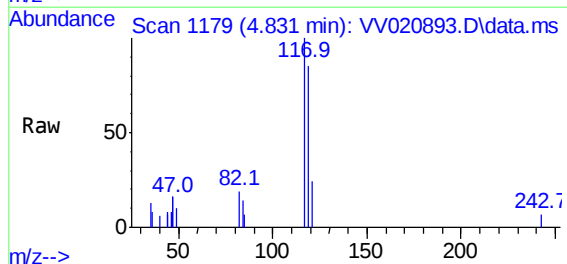
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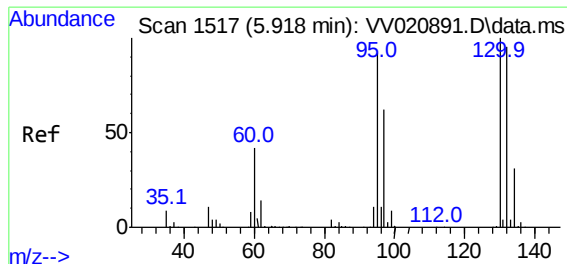
Tgt Ion: 62 Resp: 4873
Ion Ratio Lower Upper
62 100
98 6.9 6.8 10.2



#31
Carbon tetrachloride
Concen: 0.79 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

Tgt Ion: 117 Resp: 4460
Ion Ratio Lower Upper
117 100
119 88.1 76.9 115.3

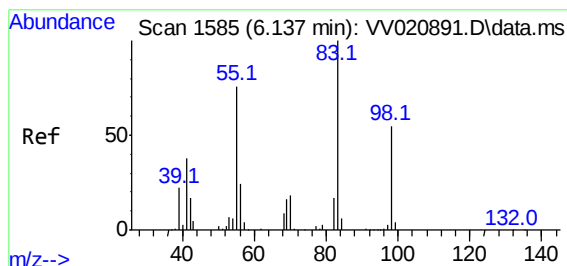
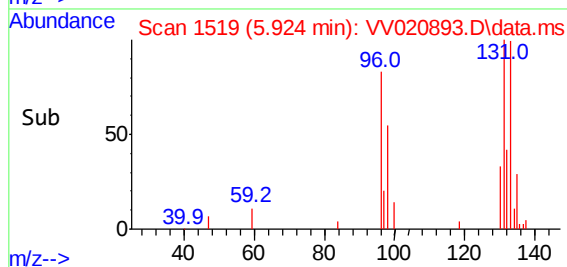
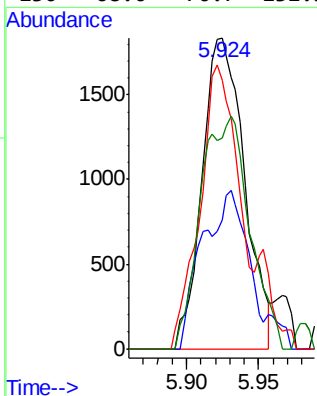
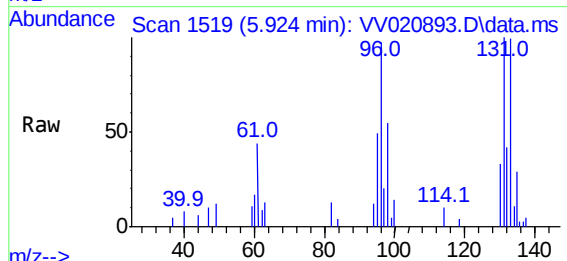




#34
Trichloroethene
Concen: 0.96 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

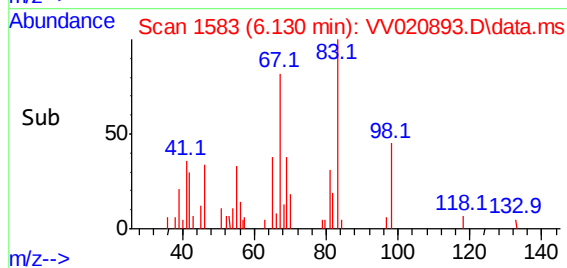
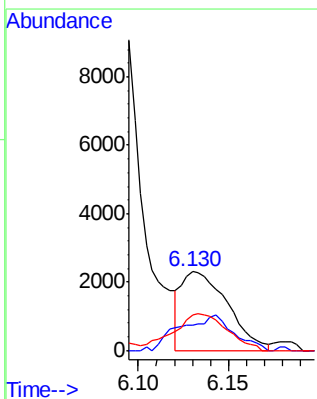
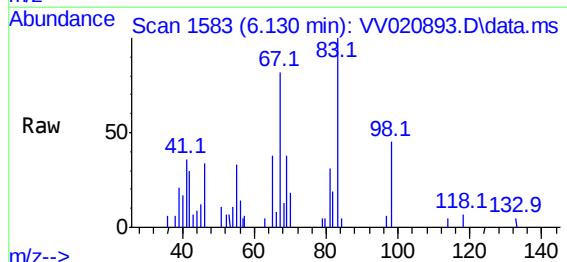
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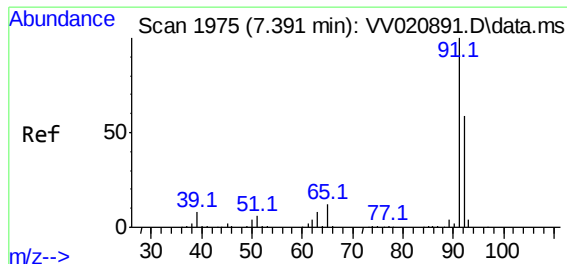
Tgt Ion: 95 Resp: 3716
Ion Ratio Lower Upper
95 100
97 41.6 43.5 80.9#
132 86.3 69.5 129.1
130 68.0 70.7 131.3#



#35
Methylcyclohexane
Concen: 0.69 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. -0.007 min
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Tgt Ion: 83 Resp: 4092
Ion Ratio Lower Upper
83 100
55 28.6 62.7 94.1#
98 53.8 38.9 58.3

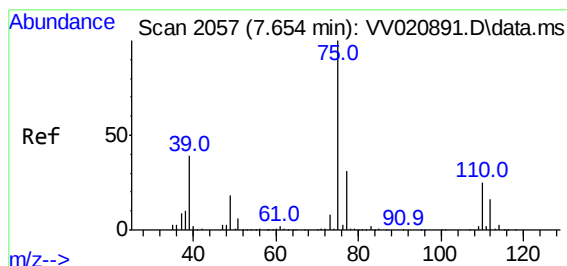
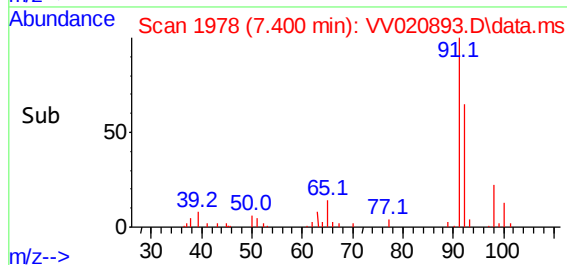
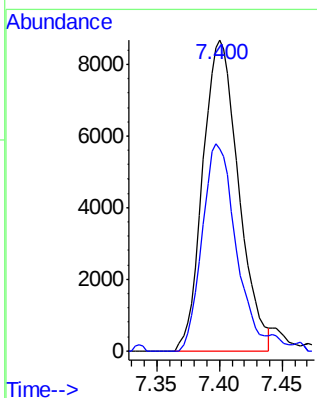
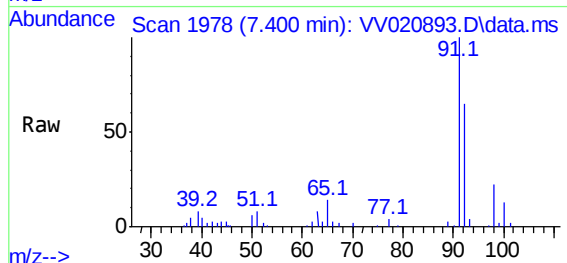




#42
Toluene
Concen: 1.12 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.009 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

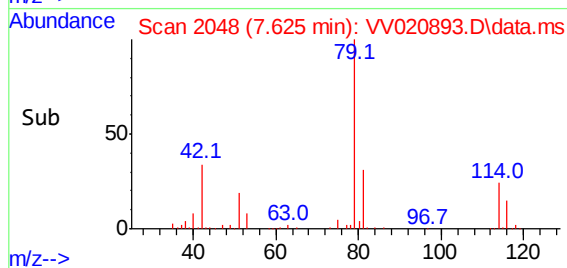
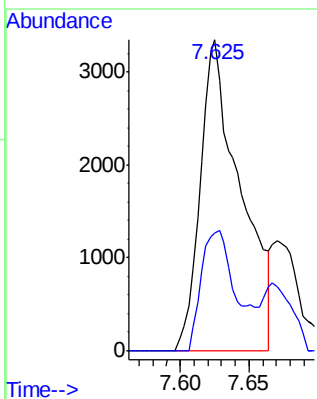
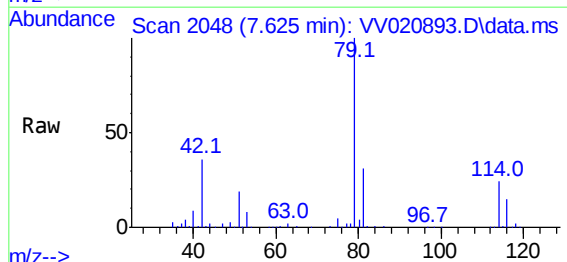
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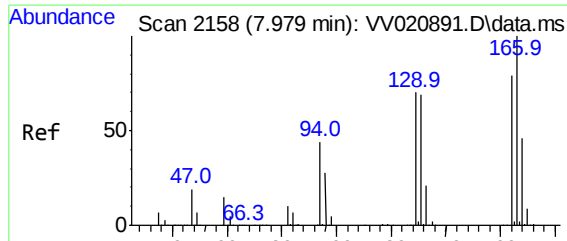
Tgt Ion: 91 Resp: 17152
Ion Ratio Lower Upper
91 100
92 65.0 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 1.17 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.029 min
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Tgt Ion: 75 Resp: 6763
Ion Ratio Lower Upper
75 100
77 37.7 21.6 40.0

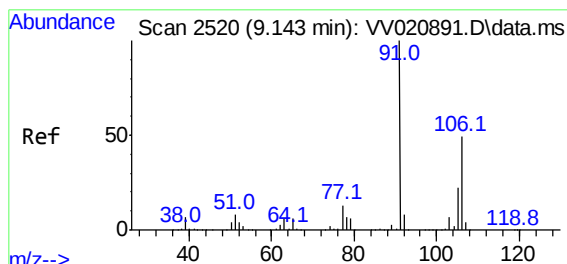
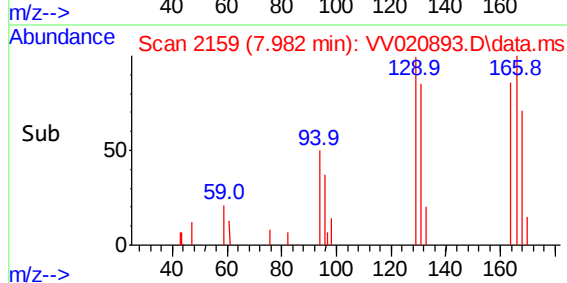
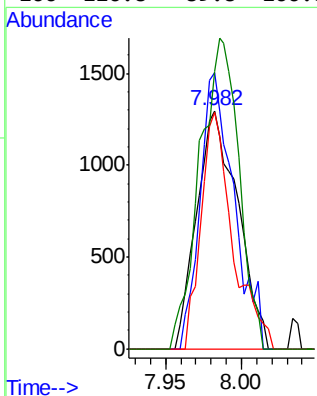
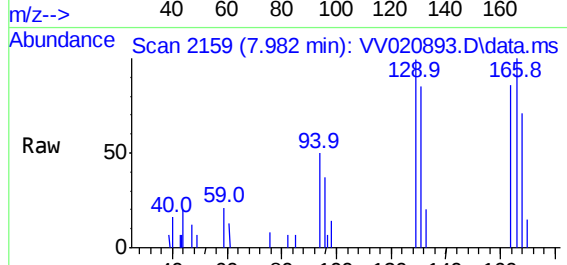




#46
Tetrachloroethene
Concen: 0.75 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.003 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

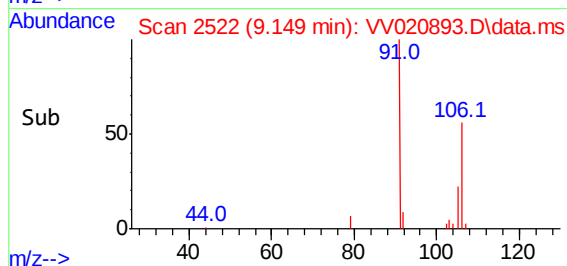
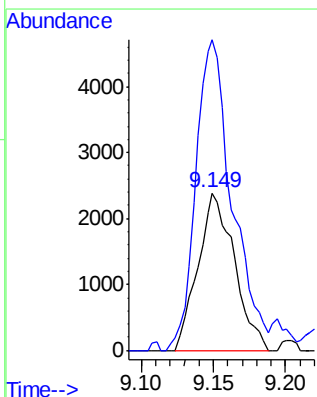
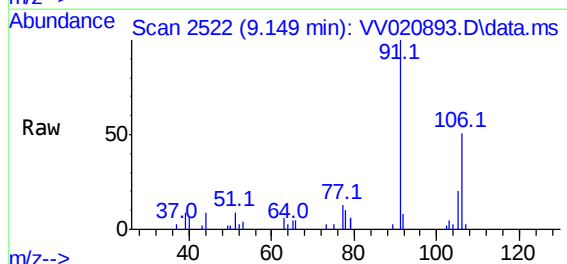
Instrument :
MSVOA_V
ClientSampleID :
EW197DL

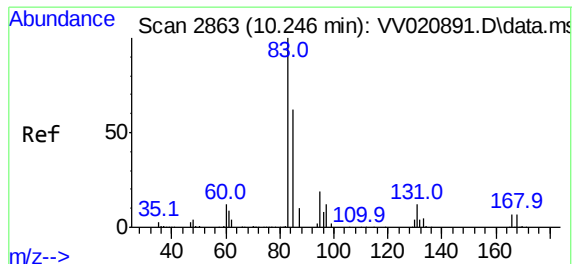
Tgt Ion:164 Resp: 2424
Ion Ratio Lower Upper
164 100
129 115.9 64.3 119.5
131 99.7 63.5 117.9
166 116.8 89.8 166.8



#53
m,p-Xylene
Concen: 0.64 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.006 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

Tgt Ion:106 Resp: 4182
Ion Ratio Lower Upper
106 100
91 197.1 145.7 270.7

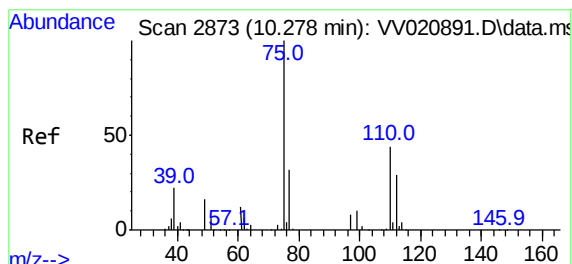
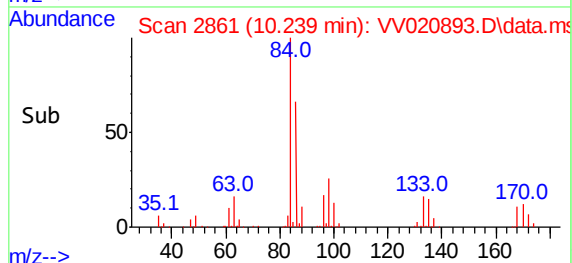
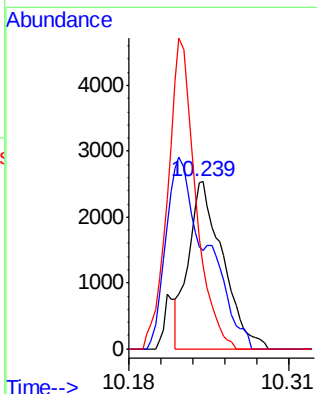
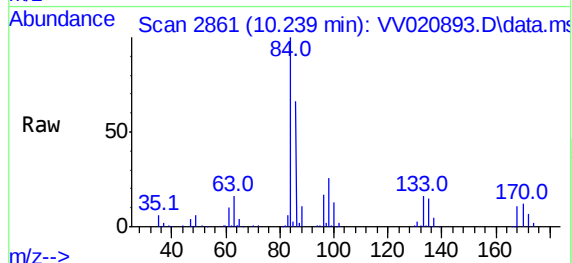




#58
1,1,2,2-Tetrachloroethane
Concen: 0.81 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

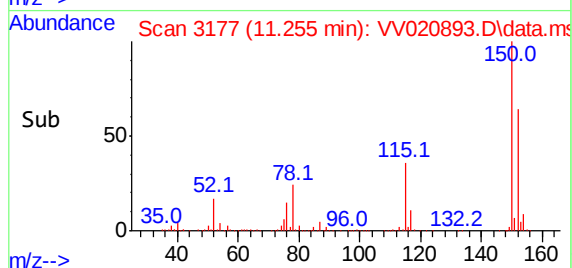
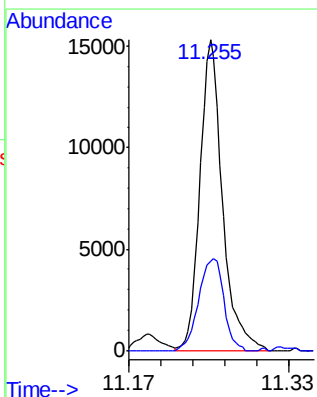
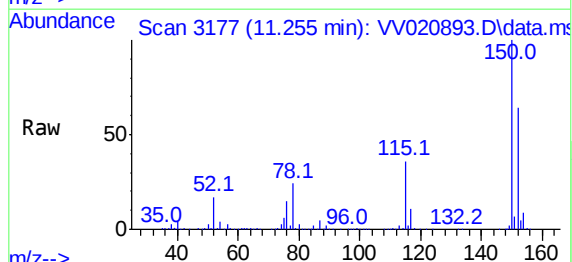
Instrument :
MSVOA_V
ClientSampleId :
EW197DL

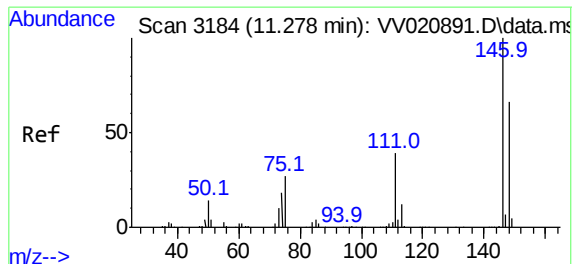
Tgt Ion: 83 Resp: 4811
Ion Ratio Lower Upper
83 100
85 59.0 44.7 83.1
131 49.4 8.6 12.8#



#59
1,2,3-Trichloropropane
Concen: 4.96 ug/L
RT: 11.255 min Scan# 3177
Delta R.T. 0.977 min
Lab File: VV020893.D
Acq: 02 Apr 2021 21:50

Tgt Ion: 75 Resp: 24000
Ion Ratio Lower Upper
75 100
77 32.8 25.3 37.9

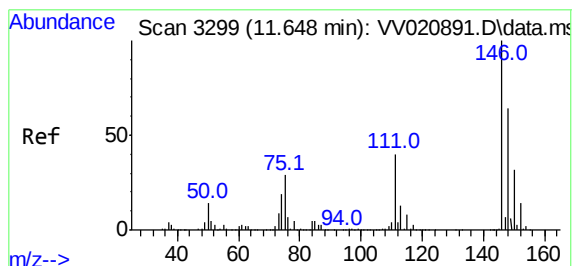
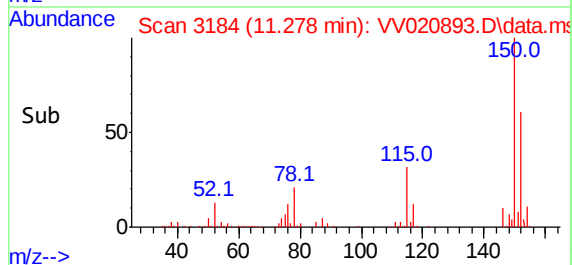
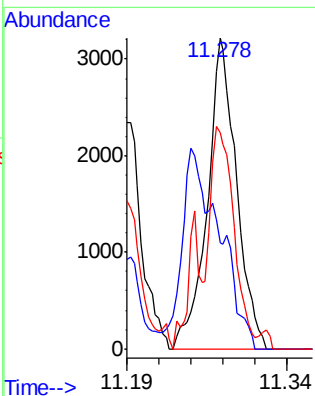
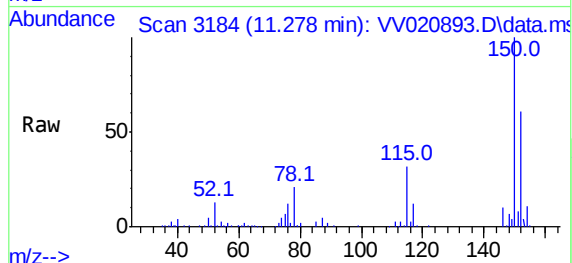




#63
 1,4-Dichlorobenzene
 Concen: 0.74 ug/L
 RT: 11.278 min Scan# 3184
 Delta R.T. -0.000 min
 Lab File: VV020893.D
 Acq: 02 Apr 2021 21:50

Instrument :
 MSVOA_V
 ClientSampleId :
 EW197DL

Tgt Ion:	146	Resp:	5866
Ion	Ratio	Lower	Upper
146	100		
111	34.2	26.0	48.4
148	69.5	44.1	81.9



#65
 1,2-Dichlorobenzene
 Concen: 0.81 ug/L
 RT: 11.654 min Scan# 3301
 Delta R.T. 0.006 min
 Lab File: VV020893.D
 Acq: 02 Apr 2021 21:50

Tgt Ion:	146	Resp:	6048
Ion	Ratio	Lower	Upper
146	100		
111	50.3	34.1	51.1
148	66.5	51.4	77.0

