

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032421\
 Data File : VW020741.D
 Acq On : 24 Mar 2021 16:51
 Operator : SY/MD
 Sample : M1783-05DL 5X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0G11DL

Quant Time: Mar 25 03:16:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM032321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 25 03:10:36 2021
 Response via : Initial Calibration

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

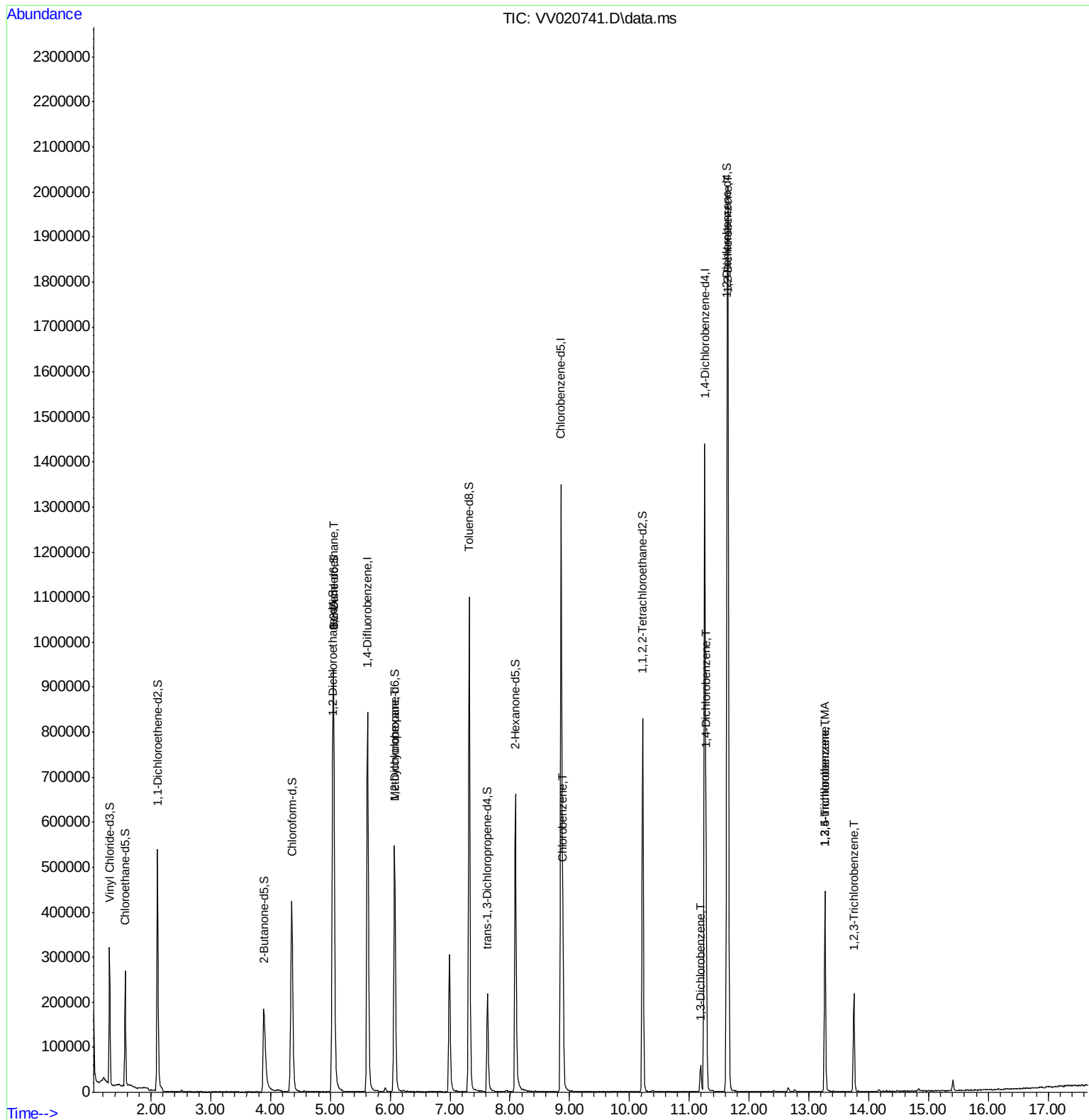
Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	712399	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	696175	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.255	152	349356	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	179186	35.43	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.86%		
7) Chloroethane-d5	1.568	69	151518	39.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	79.26%		
11) 1,1-Dichloroethene-d2	2.108	63	280689	29.42	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.84%#		
21) 2-Butanone-d5	3.886	46	306364	93.11	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.11%		
24) Chloroform-d	4.352	84	432254	43.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.00%		
26) 1,2-Dichloroethane-d4	5.037	65	299365	45.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.42%		
32) Benzene-d6	5.053	84	792186	42.69	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.38%		
36) 1,2-Dichloropropane-d6	6.072	67	252155	44.26	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.52%		
41) Toluene-d8	7.320	98	705674	40.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.70%		
43) trans-1,3-Dichloroprop...	7.625	79	124133	40.95	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.90%		
47) 2-Hexanone-d5	8.092	63	229120	95.92	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.92%		
57) 1,1,2,2-Tetrachloroeth...	10.220	84	371599	44.78	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.56%		
64) 1,2-Dichlorobenzene-d4	11.632	152	319414	47.11	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.22%		
Target Compounds						
27) 1,2-Dichloroethane	5.053	62	5086	0.68	ug/L	96
35) Methylcyclohexane	6.072	83	65602	8.12	ug/L #	18
51) Chlorobenzene	8.886	112	196896	14.05	ug/L	97
62) 1,3-Dichlorobenzene	11.191	146	23562	2.21	ug/L	95
63) 1,4-Dichlorobenzene	11.278	146	218003	19.66	ug/L	99
65) 1,2-Dichlorobenzene	11.648	146	619609	58.97	ug/L	100
67) 1,3,5-Trichlorobenzene	13.268	180	134368	16.26	ug/L	99
68) 1,2,4-trichlorobenzene	13.268	180	134368	19.18	ug/L	98
70) 1,2,3-Trichlorobenzene	13.754	180	65983	9.40	ug/L	99

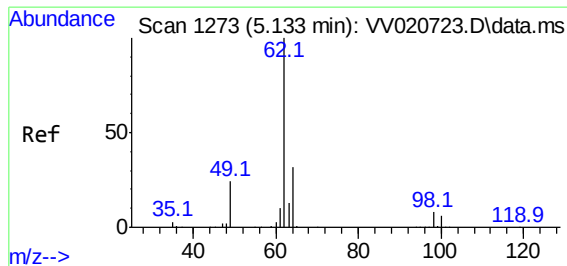
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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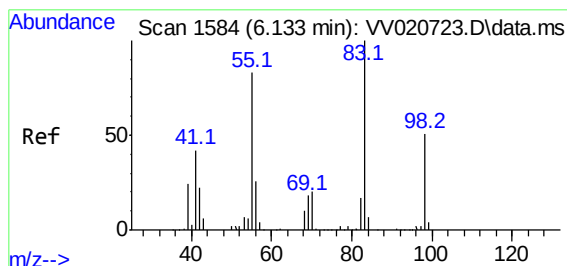
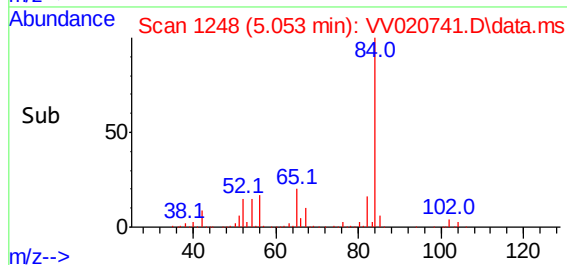
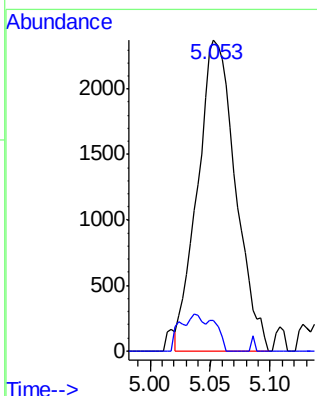
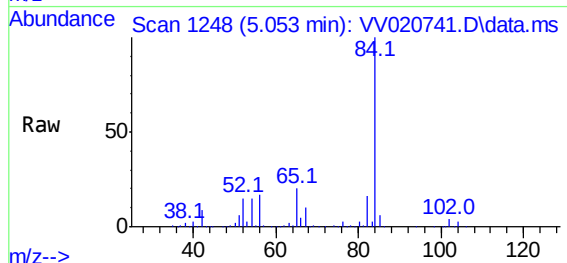




#27
1,2-Dichloroethane
Concen: 0.68 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. -0.080 min
Lab File: VV020741.D
Acq: 24 Mar 2021 16:51

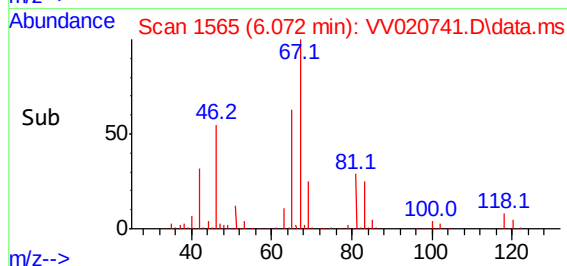
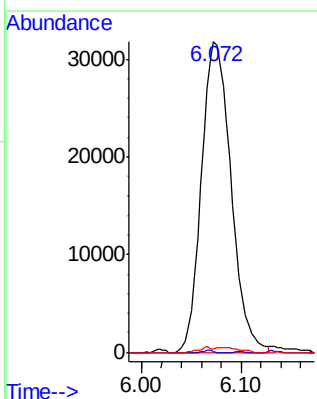
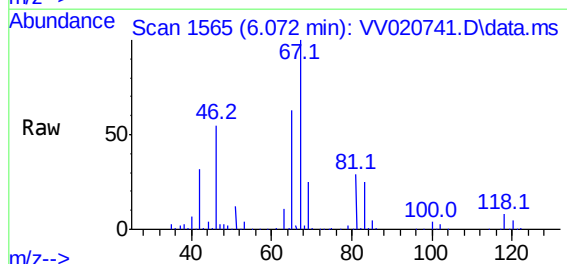
Instrument :
MSVOA_V
ClientSampled :
C0G11DL

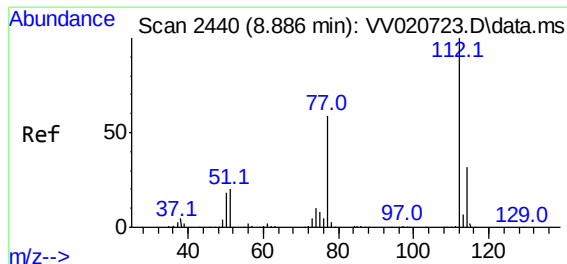
Tgt Ion: 62 Resp: 5086
Ion Ratio Lower Upper
62 100
98 10.0 6.8 10.2



#35
Methylcyclohexane
Concen: 8.12 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV020741.D
Acq: 24 Mar 2021 16:51

Tgt Ion: 83 Resp: 65602
Ion Ratio Lower Upper
83 100
55 0.2 62.7 94.1#
98 0.4 38.9 58.3#

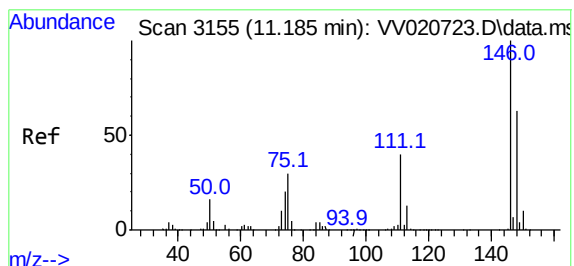
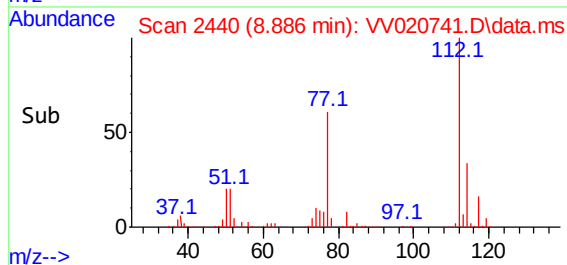
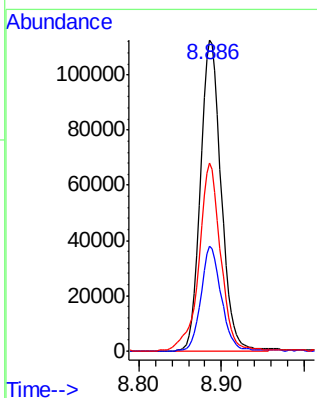
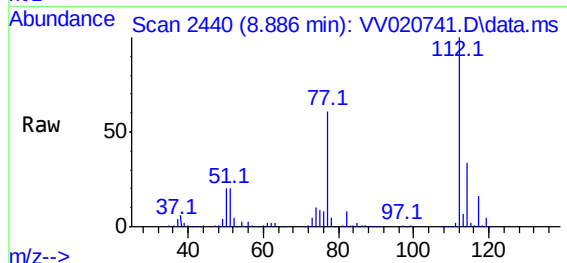




#51
Chlorobenzene
Concen: 14.05 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.000 min
Lab File: VV020741.D
Acq: 24 Mar 2021 16:51

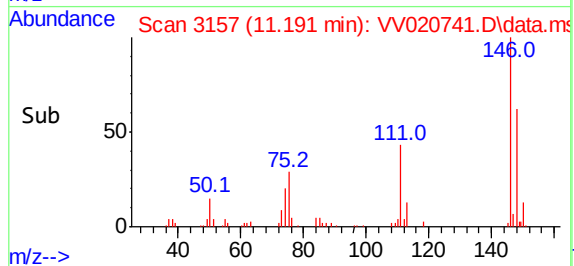
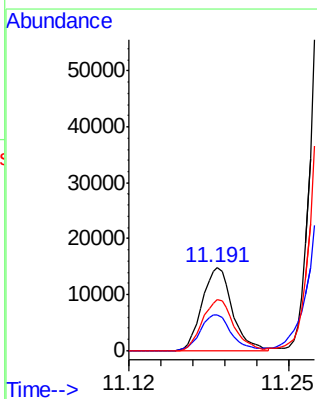
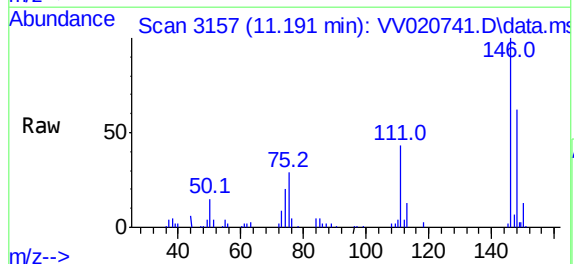
Instrument :
MSVOA_V
ClientSampleId :
C0G11DL

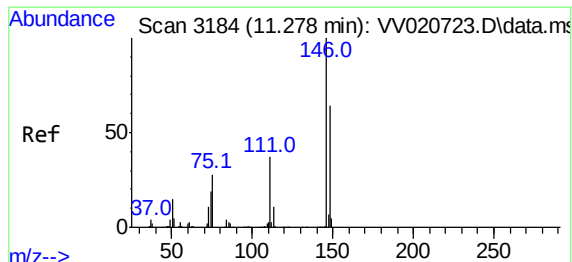
Tgt Ion:112 Resp: 196896
Ion Ratio Lower Upper
112 100
114 33.6 22.4 41.6
77 60.7 46.7 70.1



#62
1,3-Dichlorobenzene
Concen: 2.21 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.006 min
Lab File: VV020741.D
Acq: 24 Mar 2021 16:51

Tgt Ion:146 Resp: 23562
Ion Ratio Lower Upper
146 100
111 43.4 27.4 51.0
148 61.7 44.9 83.5

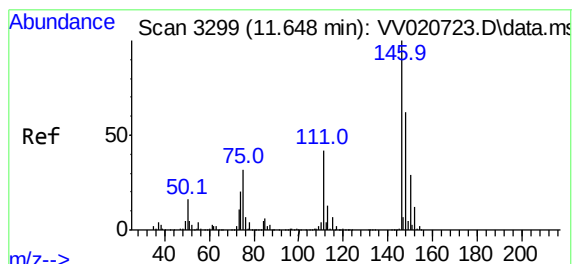
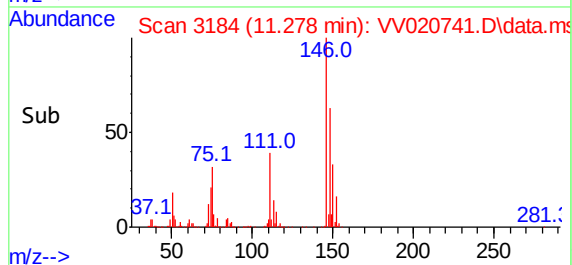
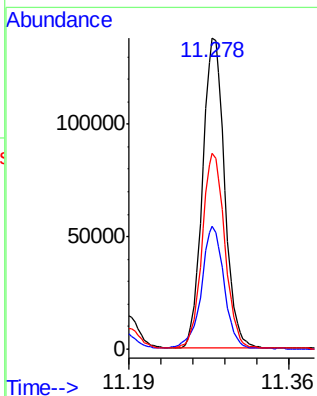
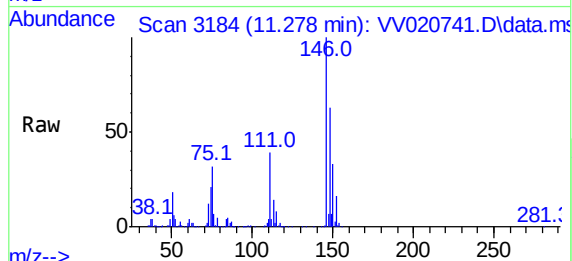




#63
1,4-Dichlorobenzene
Concen: 19.66 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.000 min
Lab File: VV020741.D
Acq: 24 Mar 2021 16:51

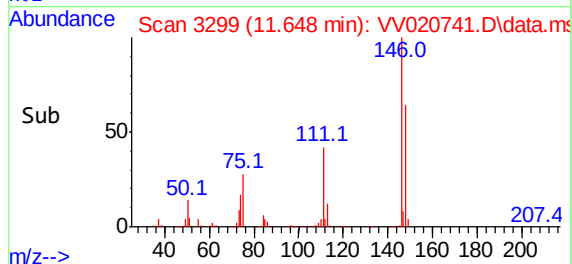
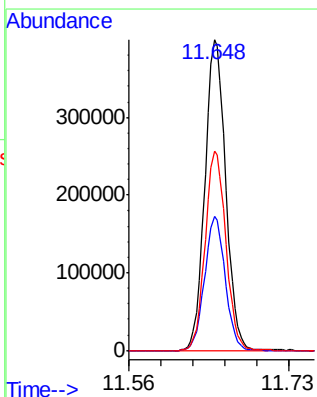
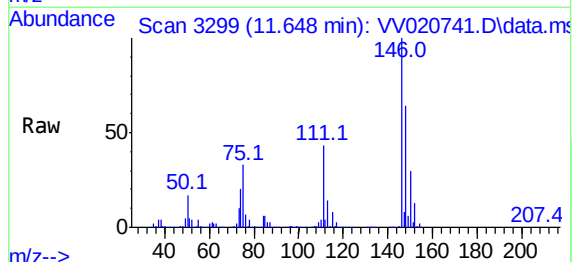
Instrument :
MSVOA_V
ClientSampled :
C0G11DL

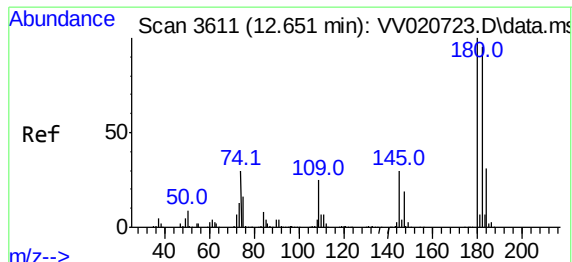
Tgt Ion:146 Resp: 218003
Ion Ratio Lower Upper
146 100
111 39.4 26.0 48.4
148 63.1 44.1 81.9



#65
1,2-Dichlorobenzene
Concen: 58.97 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.000 min
Lab File: VV020741.D
Acq: 24 Mar 2021 16:51

Tgt Ion:146 Resp: 619609
Ion Ratio Lower Upper
146 100
111 43.0 34.1 51.1
148 64.2 51.4 77.0



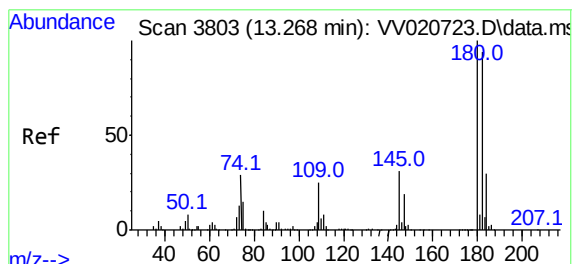
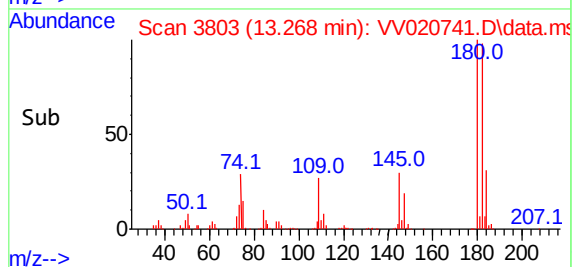
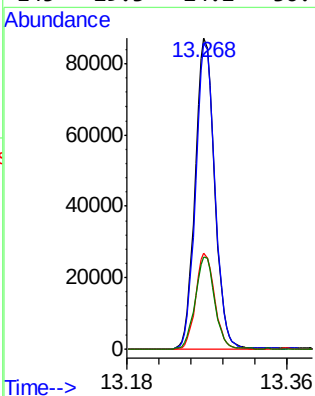
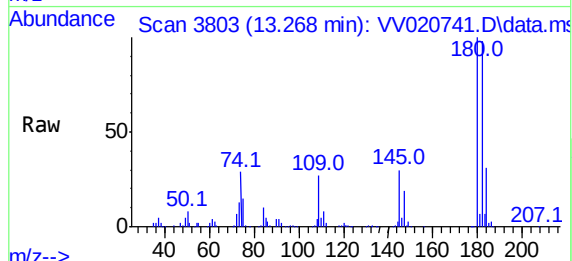


#67
1,3,5-Trichlorobenzene
Concen: 16.26 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.617 min
Lab File: VV020741.D
Acq: 24 Mar 2021 16:51

Instrument :
MSVOA_V
ClientSampleId :
C0G11DL

Tgt Ion:180 Resp: 134368

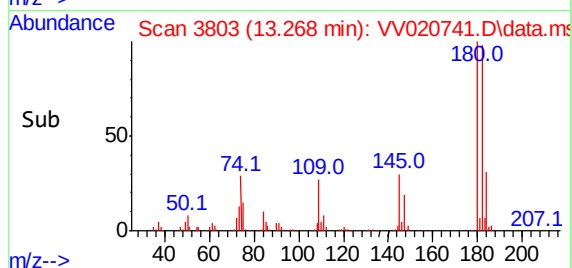
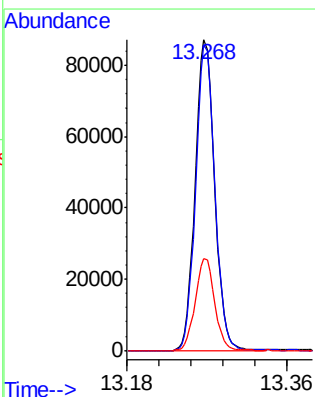
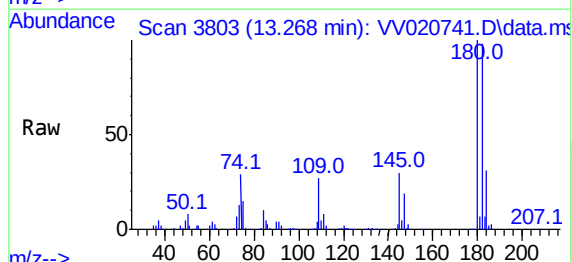
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.3	114.5
184	29.7	24.5	36.7
145	29.3	24.2	36.4

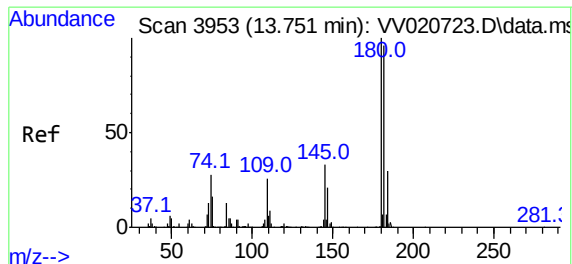


#68
1,2,4-trichlorobenzene
Concen: 19.18 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.000 min
Lab File: VV020741.D
Acq: 24 Mar 2021 16:51

Tgt Ion:180 Resp: 134368

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.6
145	29.3	23.9	35.9





#70
 1,2,3-Trichlorobenzene
 Concen: 9.40 ug/L
 RT: 13.754 min Scan# 3954
 Delta R.T. 0.003 min
 Lab File: VV020741.D
 Acq: 24 Mar 2021 16:51

Instrument :
 MSVOA_V
 ClientSampleId :
 C0G11DL

Tgt Ion:180 Resp: 65983

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.2	112.8
145	31.5	25.5	38.3

