

Data File : VV015034.D
Acq On : 18 Mar 2020 23:38
Operator : SY/MD
Sample : L1941-13
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DC4

Quant Time: Mar 19 04:12:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	329887	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	320299	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	160582	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80197	52.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.06%
7) Chloroethane-d5	1.58	69	65044	53.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.62%
11) 1,1-Dichloroethene-d2	2.12	63	102481	38.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.80%
21) 2-Butanone-d5	3.93	46	83131	79.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.55%
24) Chloroform-d	4.38	84	198924	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
26) 1,2-Dichloroethane-d4	5.06	65	126979	51.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.24%
32) Benzene-d6	5.08	84	406246	53.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.90%
36) 1,2-Dichloropropane-d6	6.10	67	117880	53.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.00%
41) Toluene-d8	7.34	98	401578	52.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.96%
43) trans-1,3-Dichloropropene-	7.64	79	58481	49.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.38%
47) 2-Hexanone-d5	8.12	63	102399	99.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.93%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	170115	50.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	167839	52.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.12%

Target Compounds

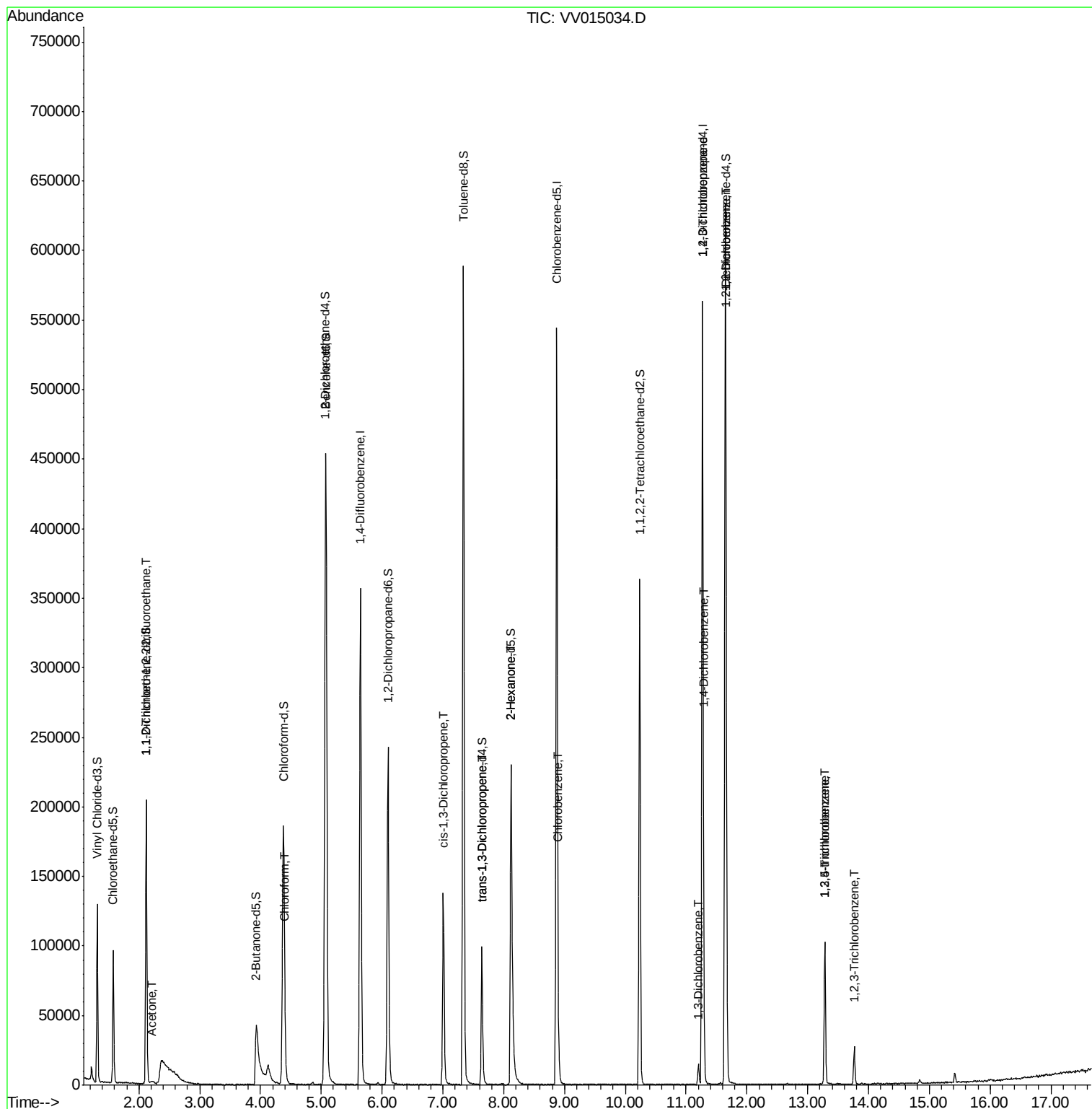
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1047	0.738	ug/L #	17
13) Acetone	2.21	43	2855	3.285	ug/L	95
25) Chloroform	4.41	83	6896	1.781	ug/L	98
39) cis-1,3-Dichloropropene	7.00	75	3721	1.172	ug/L #	66
44) trans-1,3-Dichloropropene	7.64	75	2601	0.904	ug/L	88
48) 2-Hexanone	8.12	43	13377	6.818	ug/L #	73
51) Chlorobenzene	8.90	112	11545	1.853	ug/L	94
59) 1,2,3-Trichloropropane	11.27	75	18634	6.992	ug/L	96
62) 1,3-Dichlorobenzene	11.20	146	6769	1.400	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	19356	3.847	ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	60010	11.689	ug/L	98
67) 1,3,5-Trichlorobenzene	13.28	180	34993	9.150	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	34993	9.936	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	10004	2.891	ug/L	99

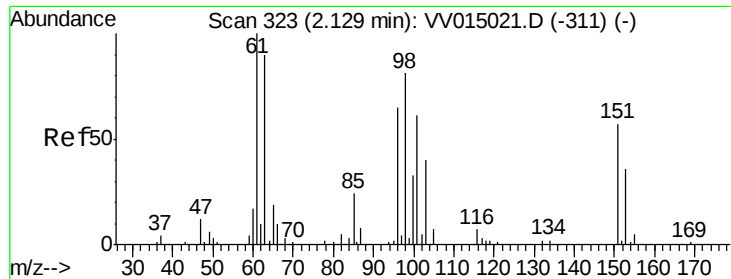
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.738 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015034.D

Acq: 18 Mar 2020 23:38

Instrument :

MSVOA_V

ClientSampled :

C0DC4

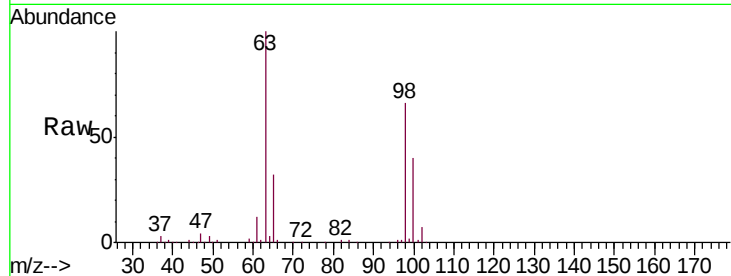
Tgt Ion:101 Resp: 1047

Ion Ratio Lower Upper

101 100

85 6.4 33.2 49.8#

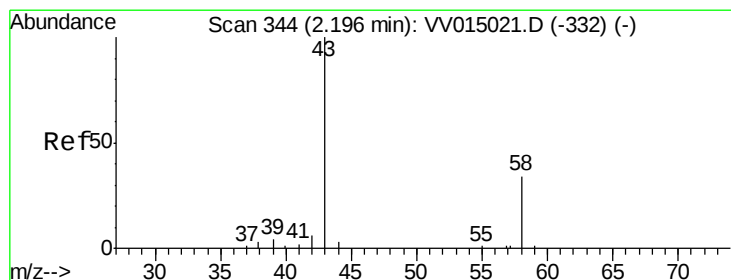
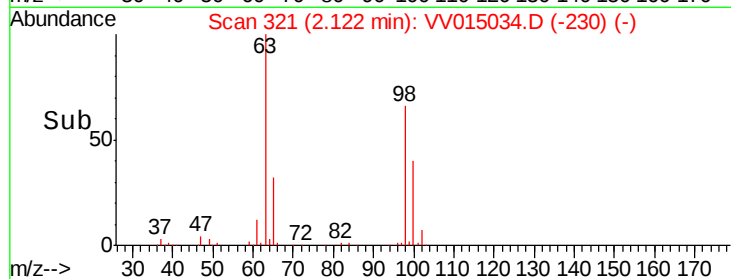
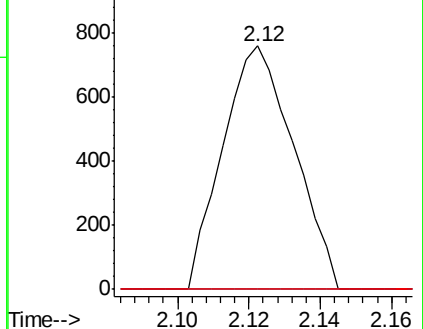
151 0.0 72.6 109.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 3.285 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV015034.D

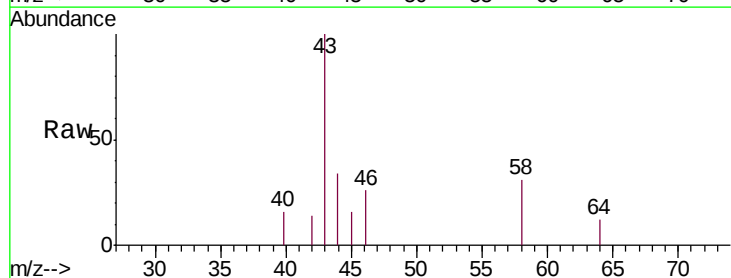
Acq: 18 Mar 2020 23:38

Tgt Ion: 43 Resp: 2855

Ion Ratio Lower Upper

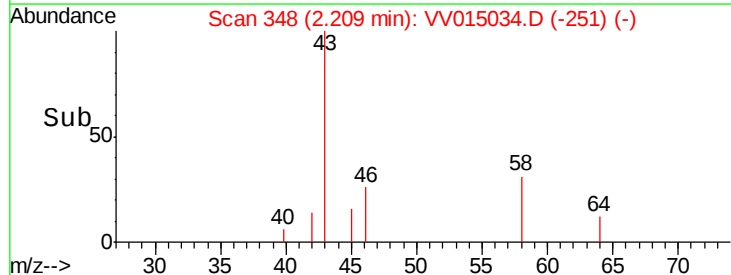
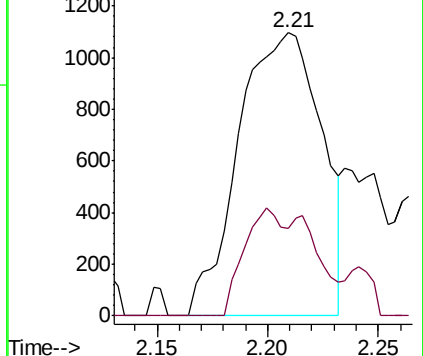
43 100

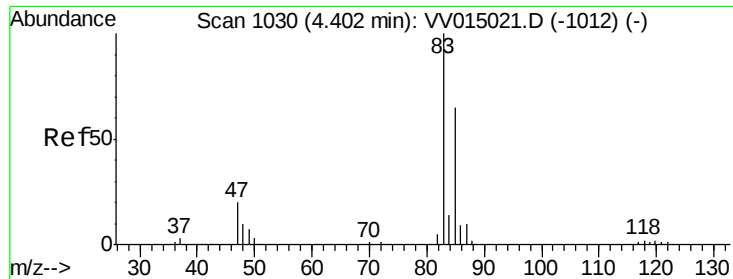
58 19.1 0.0 43.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

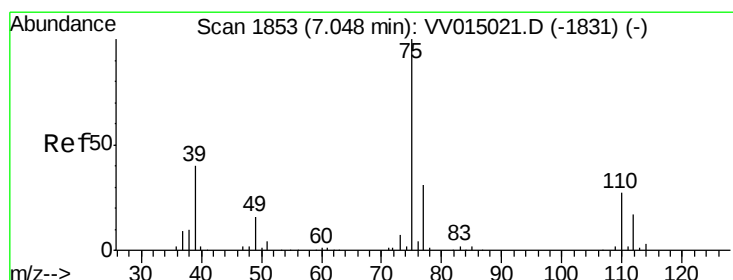
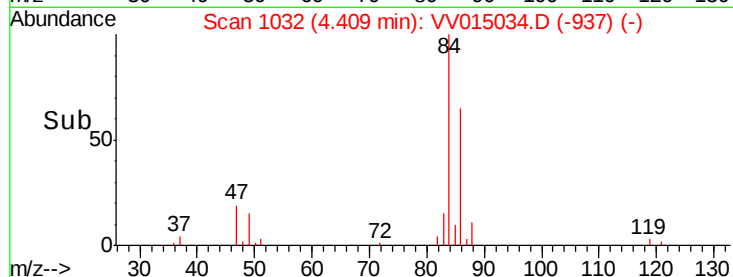
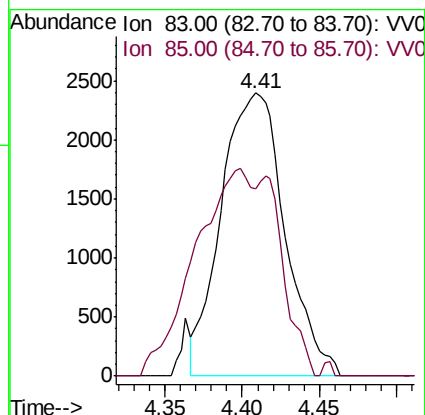
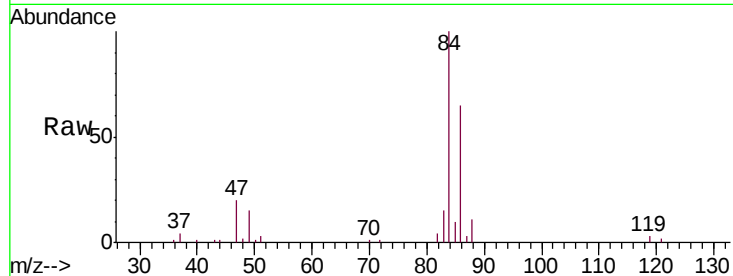




#25
Chloroform
Concen: 1.781 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV015034.D
Acq: 18 Mar 2020 23:38

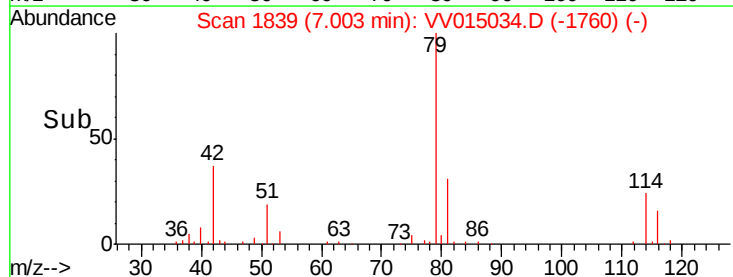
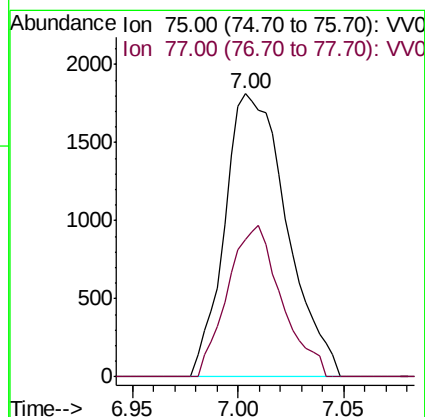
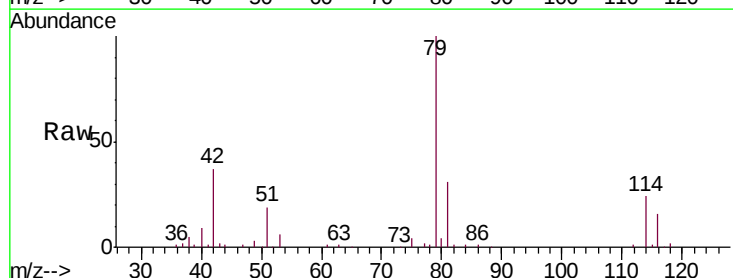
Instrument :
MSVOA_V
ClientSampled :
C0DC4

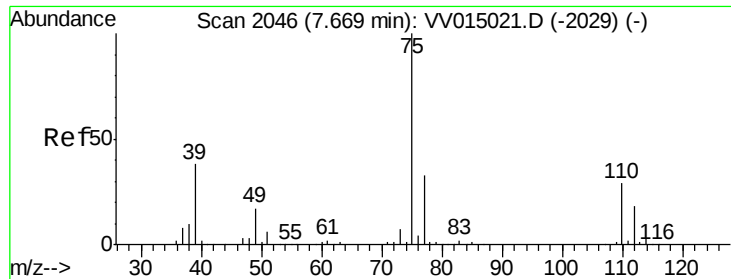
Tgt Ion: 83 Resp: 6896
Ion Ratio Lower Upper
83 100
85 66.3 45.4 84.4



#39
cis-1,3-Dichloropropene
Concen: 1.172 ug/L
RT: 7.00 min Scan# 1839
Delta R.T. -0.04 min
Lab File: VV015034.D
Acq: 18 Mar 2020 23:38

Tgt Ion: 75 Resp: 3721
Ion Ratio Lower Upper
75 100
77 48.4 21.1 39.3#

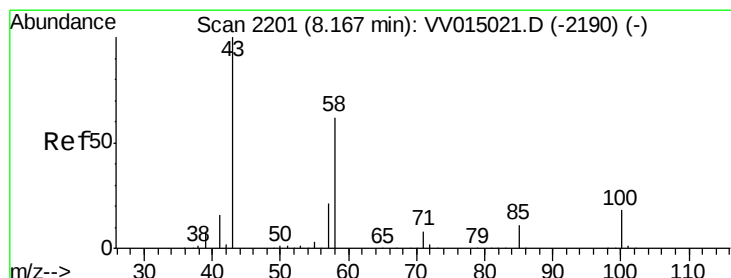
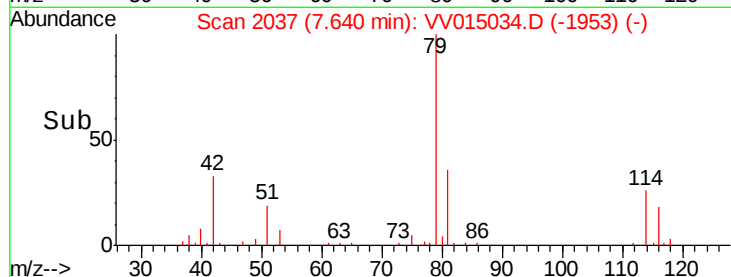
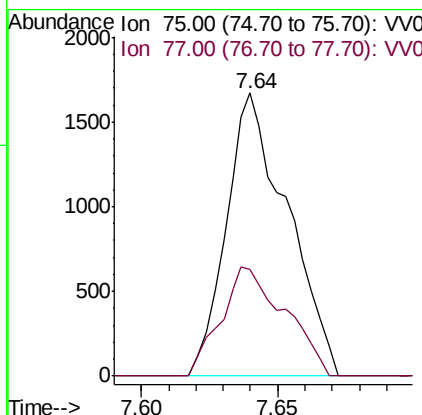
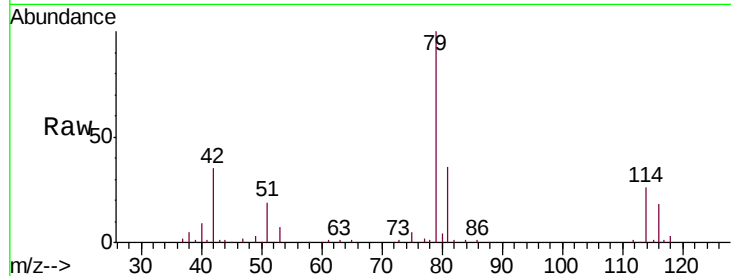




#44
trans-1,3-Dichloropropene
Concen: 0.904 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. -0.03 min
Lab File: VV015034.D
Acq: 18 Mar 2020 23:38

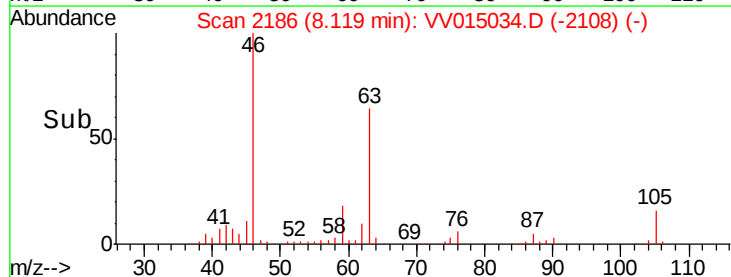
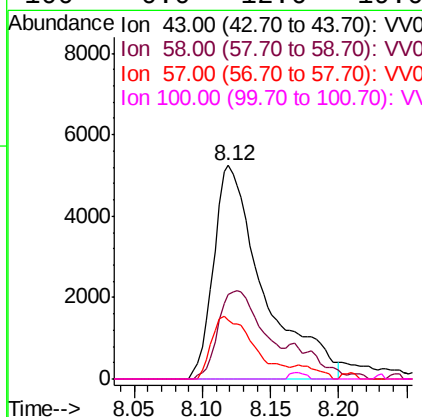
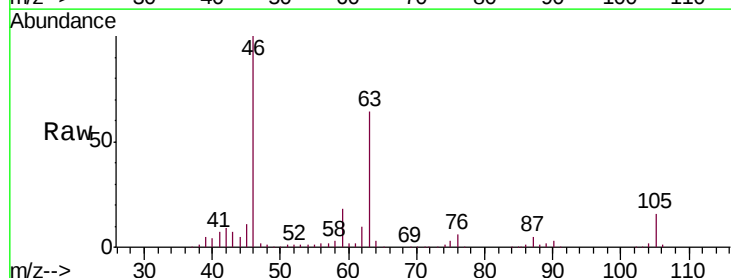
Instrument :
MSVOA_V
ClientSampleId :
C0DC4

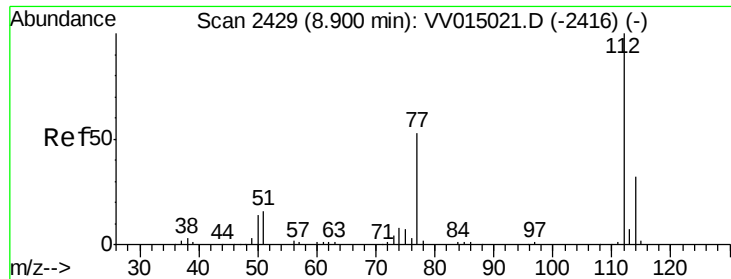
Tgt Ion: 75 Resp: 2601
Ion Ratio Lower Upper
75 100
77 37.7 21.7 40.3



#48
2-Hexanone
Concen: 6.818 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV015034.D
Acq: 18 Mar 2020 23:38

Tgt Ion: 43 Resp: 13377
Ion Ratio Lower Upper
43 100
58 36.1 48.2 72.2#
57 22.5 15.8 23.6
100 0.0 12.6 19.0#





#51

Chlorobenzene

Concen: 1.853 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV015034.D

Acq: 18 Mar 2020 23:38

Instrument :

MSVOA_V

ClientSampled :

C0DC4

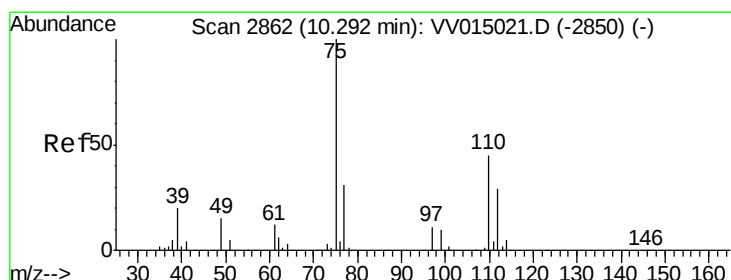
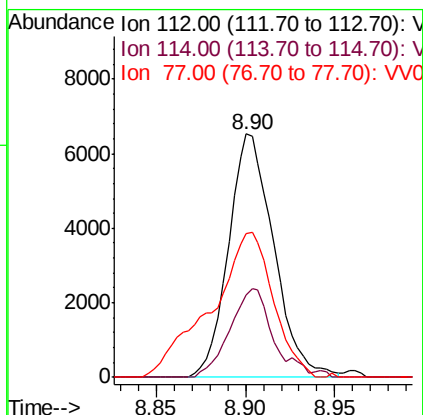
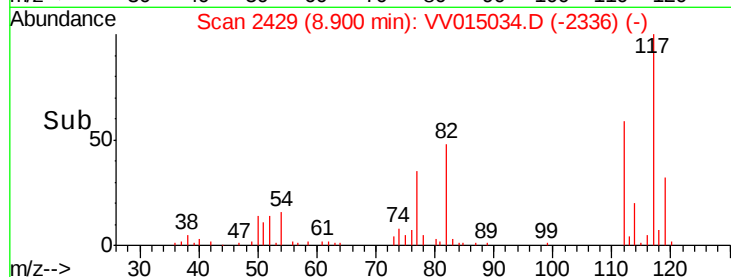
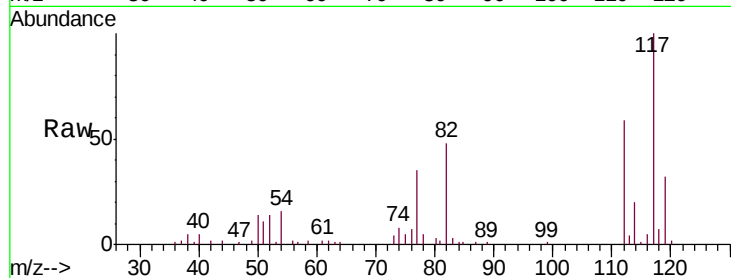
Tgt Ion:112 Resp: 11545

Ion Ratio Lower Upper

112 100

114 33.6 22.4 41.6

77 58.8 42.9 64.3



#59

1,2,3-Trichloropropane

Concen: 6.992 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV015034.D

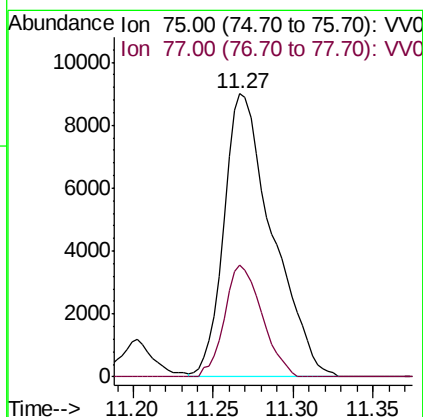
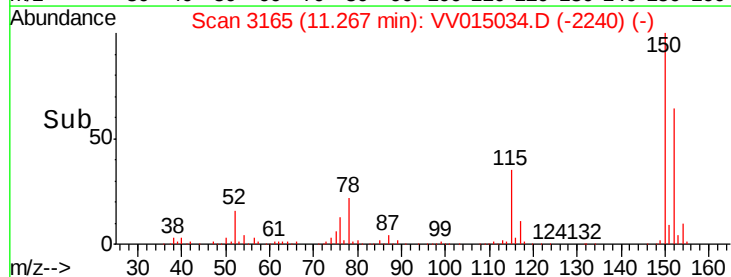
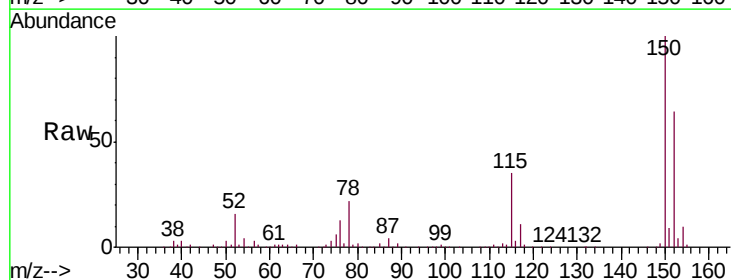
Acq: 18 Mar 2020 23:38

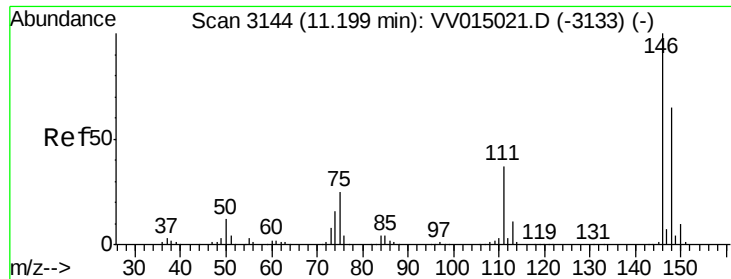
Tgt Ion: 75 Resp: 18634

Ion Ratio Lower Upper

75 100

77 30.3 26.2 39.2

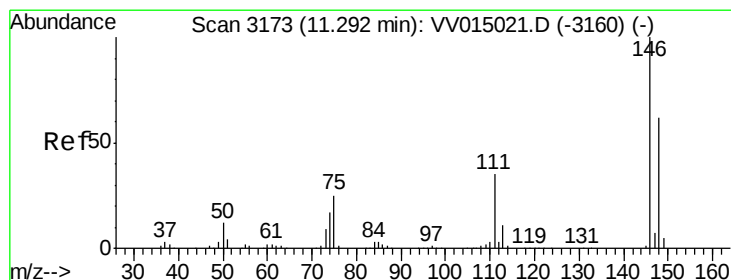
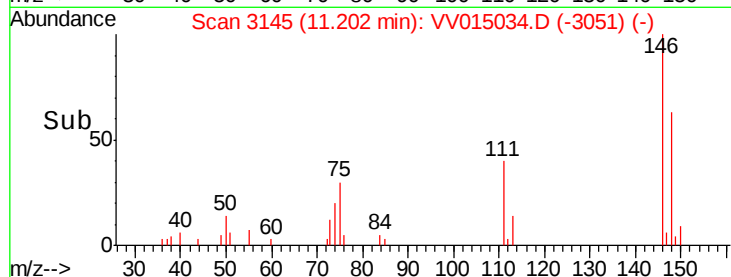
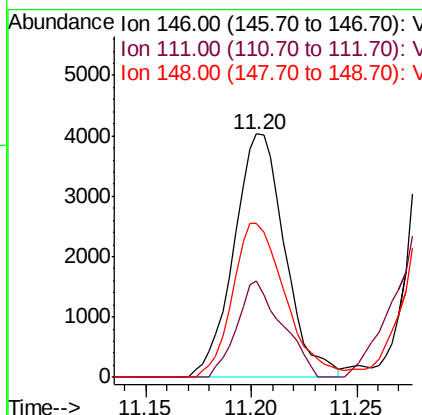
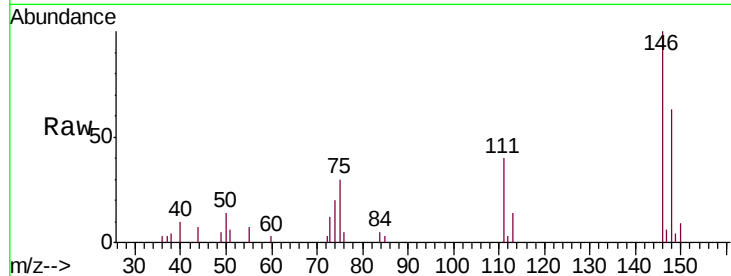




#62
 1,3-Dichlorobenzene
 Concen: 1.400 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015034.D
 Acq: 18 Mar 2020 23:38

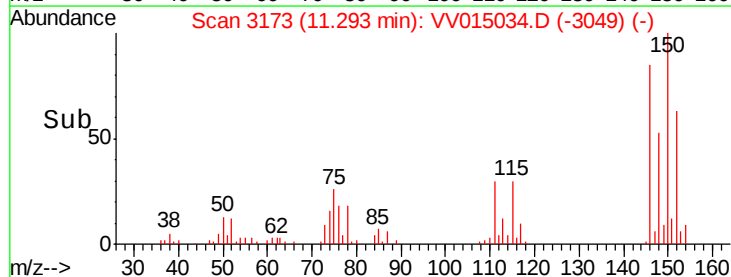
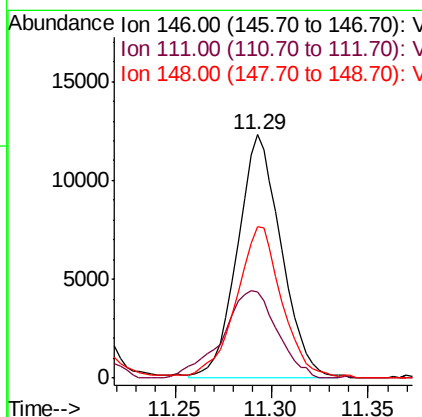
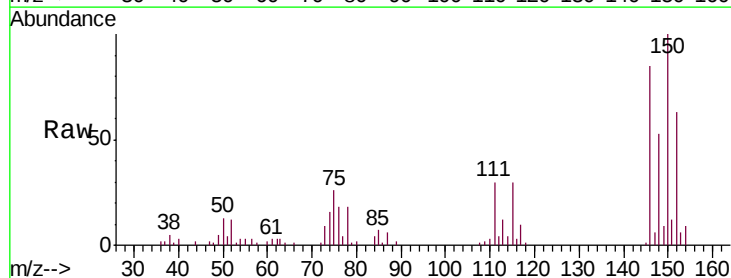
Instrument :
 MSVOA_V
 ClientSampled :
 C0DC4

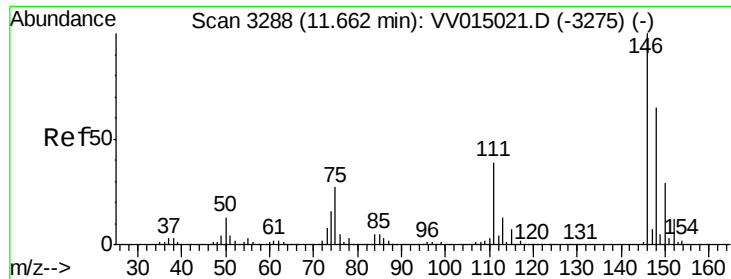
Tgt Ion:146 Resp: 6769
 Ion Ratio Lower Upper
 146 100
 111 39.7 25.7 47.7
 148 63.4 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 3.847 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV015034.D
 Acq: 18 Mar 2020 23:38

Tgt Ion:146 Resp: 19356
 Ion Ratio Lower Upper
 146 100
 111 35.6 25.8 48.0
 148 62.1 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 11.689 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV015034.D

Acq: 18 Mar 2020 23:38

Instrument :

MSVOA_V

ClientSampleId :

C0DC4

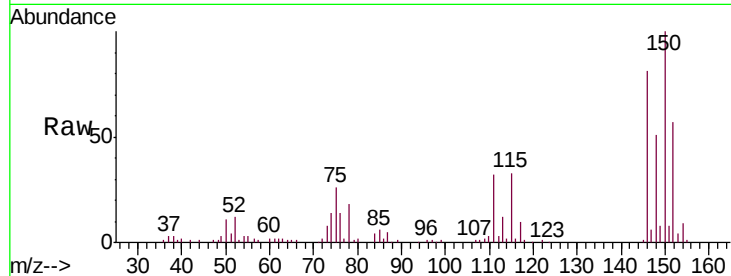
Tgt Ion:146 Resp: 60010

Ion Ratio Lower Upper

146 100

111 39.7 31.5 47.3

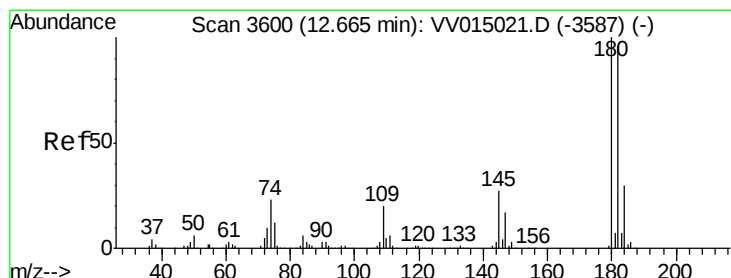
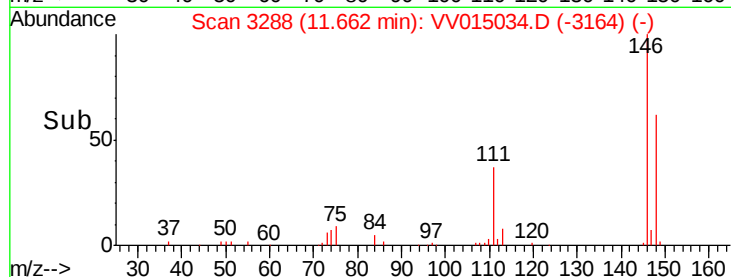
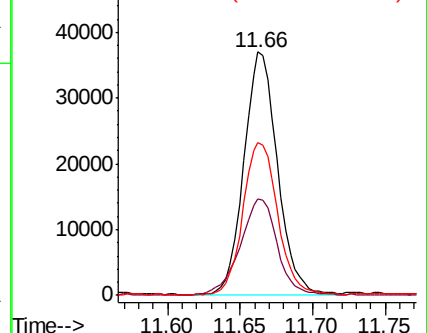
148 62.8 51.7 77.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 9.150 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV015034.D

Acq: 18 Mar 2020 23:38

Tgt Ion:180 Resp: 34993

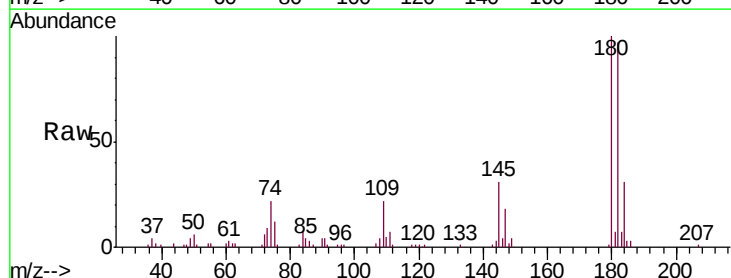
Ion Ratio Lower Upper

180 100

182 97.3 75.2 112.8

184 30.8 23.9 35.9

145 29.5 22.0 33.0

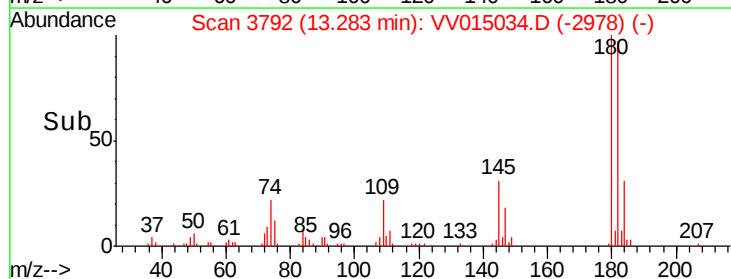
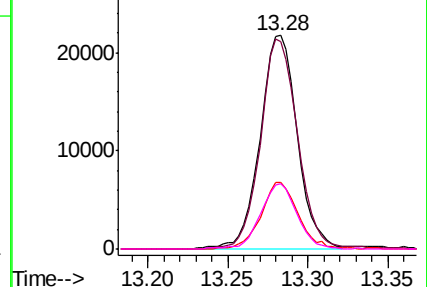


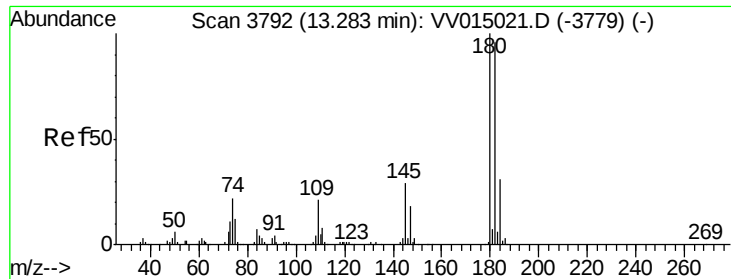
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

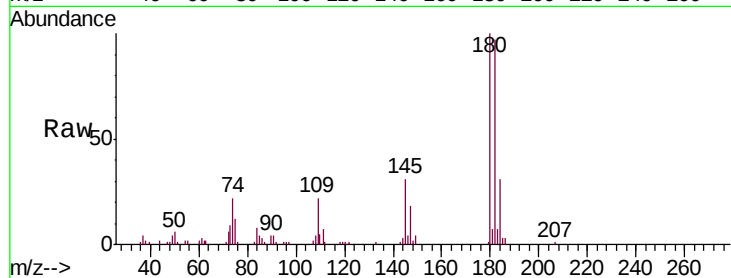




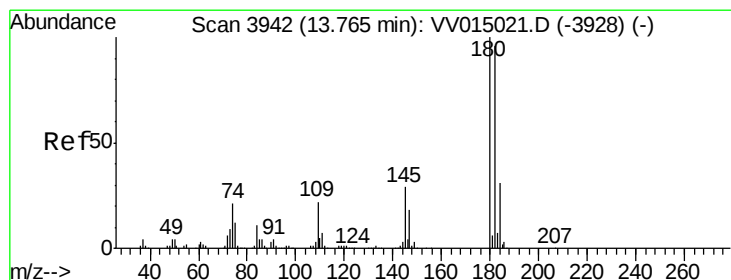
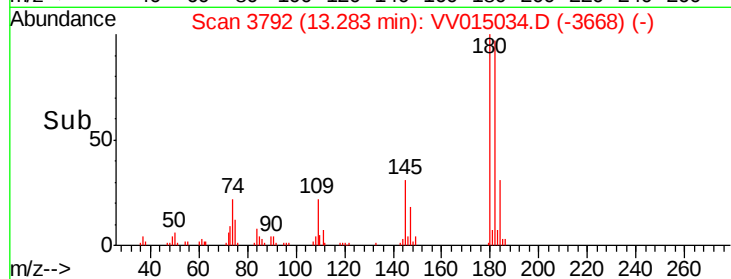
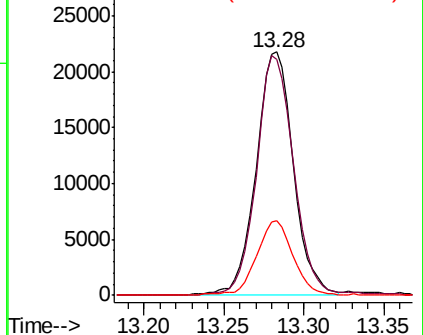
#68
 1,2,4-trichlorobenzene
 Concen: 9.936 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015034.D
 Acq: 18 Mar 2020 23:38

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC4

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.3	114.5
145	29.5	22.2	33.4

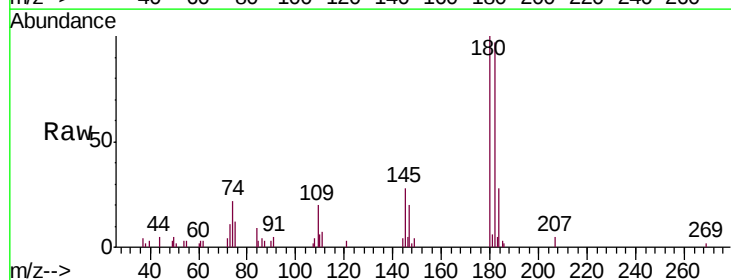


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 2.891 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV015034.D
 Acq: 18 Mar 2020 23:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.5	113.3
145	29.7	23.5	35.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

