

Data File : VV009878.D
Acq On : 25 Mar 2019 22:22
Operator : SY/MD
Sample : K2070-12 400X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09D7

Quant Time: Mar 26 07:20:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:13:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	179486	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	182314	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76588	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87377	47.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.36%
7) Chloroethane-d5	1.56	69	99958	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.94%
11) 1,1-Dichloroethene-d2	2.12	63	186481	34.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.04%
21) 2-Butanone-d5	3.93	46	79683	97.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.41%
24) Chloroform-d	4.40	84	111575	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.56%
26) 1,2-Dichloroethane-d4	5.08	65	76216	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
32) Benzene-d6	5.10	84	241653	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.66%
36) 1,2-Dichloropropane-d6	6.12	67	75182	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.50%
41) Toluene-d8	7.36	98	217939	44.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.94%
43) trans-1,3-Dichloropropene-	7.66	79	26807	38.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.88%
47) 2-Hexanone-d5	8.14	63	59158	94.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102920	41.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.08%
64) 1,2-Dichlorobenzene-d4	11.67	152	82724	46.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.24%

Target Compounds

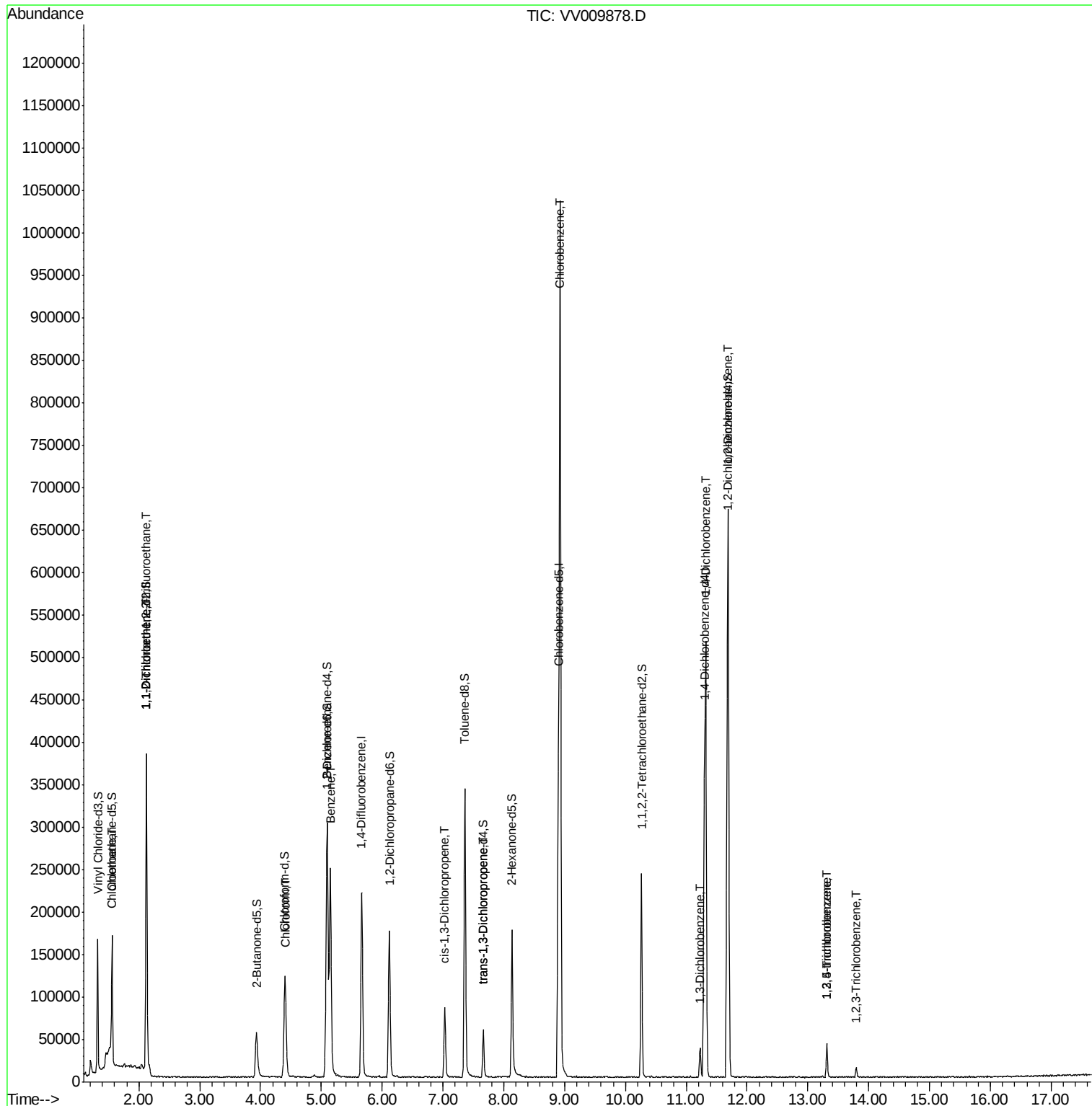
						Qvalue
8) Chloroethane	1.54	64	789	0.425	ug/L #	61
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1802	0.654	ug/L #	24
12) 1,1-Dichloroethene	2.12	96	1425	0.585	ug/L #	1
25) Chloroform	4.42	83	3664	1.441	ug/L	95
33) Benzene	5.15	78	229572	43.132	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	2602	1.320	ug/L #	77
44) trans-1,3-Dichloropropene	7.67	75	1736	0.948	ug/L	95
51) Chlorobenzene	8.93	112	504654	125.151	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	12562	4.788	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	177635	64.580	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	207313	74.799	ug/L	97
67) 1,3,5-Trichlorobenzene	13.31	180	10412	5.817	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	10412	7.301	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	3449	2.391	ug/L	97

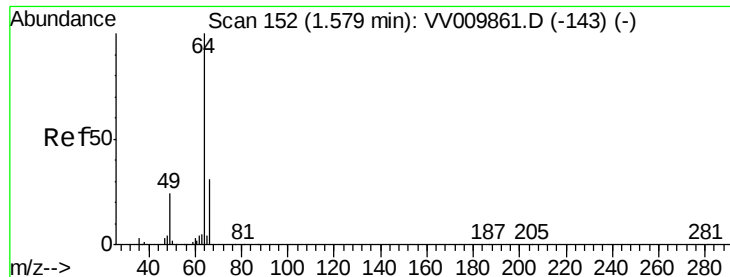
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.425 ug/L

RT: 1.54 min Scan# 141

Delta R.T. -0.04 min

Lab File: VV009878.D

Acq: 25 Mar 2019 22:22

Instrument :

MSVOA_V

ClientSampleId :

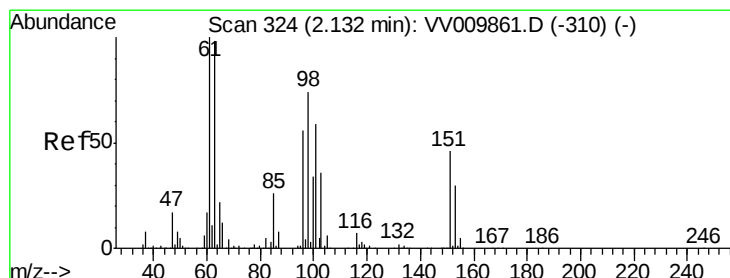
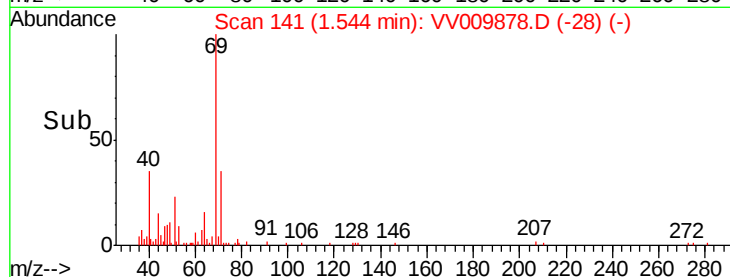
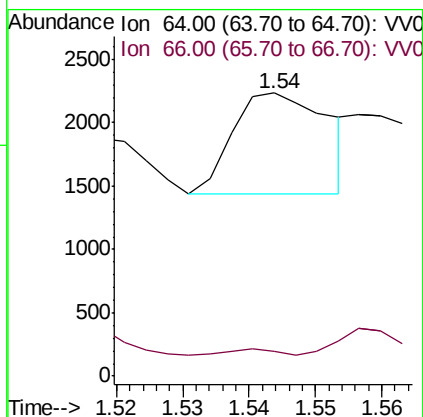
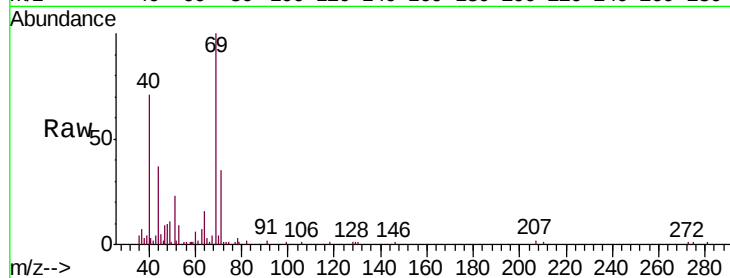
C09D7

Tgt Ion: 64 Resp: 789

Ion Ratio Lower Upper

64 100

66 8.5 20.9 38.7#



#10

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

Concen: 0.654 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009878.D

Acq: 25 Mar 2019 22:22

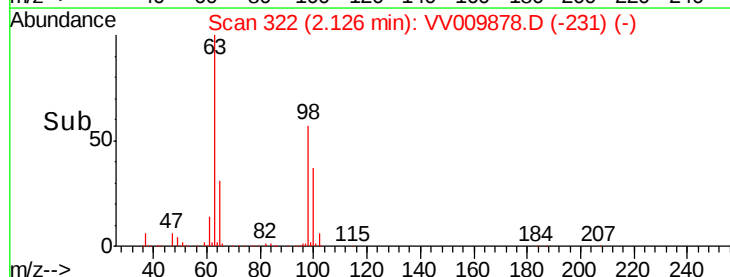
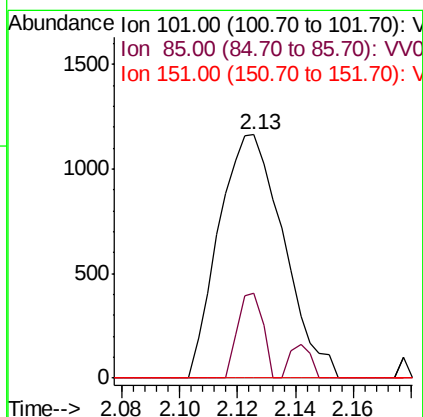
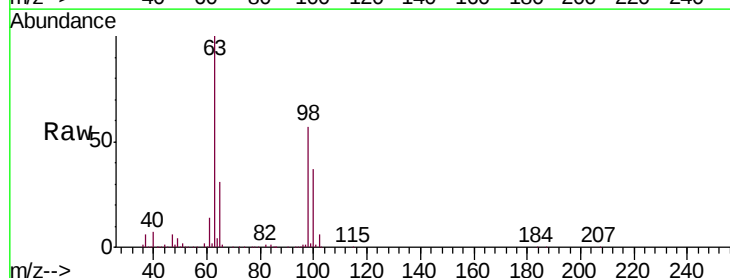
Tgt Ion: 101 Resp: 1802

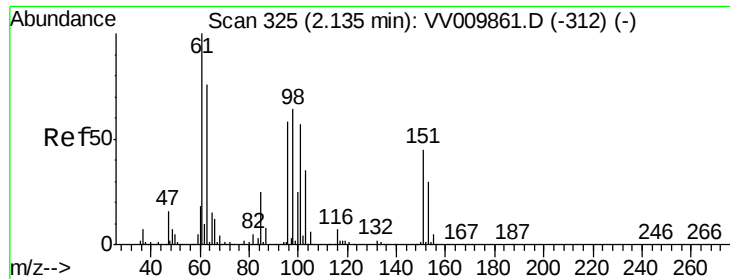
Ion Ratio Lower Upper

101 100

85 13.5 37.0 55.4#

151 0.0 65.4 98.2#





#12

1,1-Dichloroethene

Concen: 0.585 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009878.D

Acq: 25 Mar 2019 22:22

Instrument :

MSVOA_V

ClientSampled :

C09D7

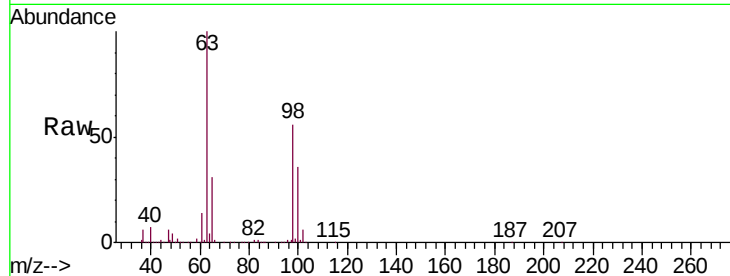
Tgt Ion: 96 Resp: 1425

Ion Ratio Lower Upper

96 100

61 1789.0 125.3 232.7#

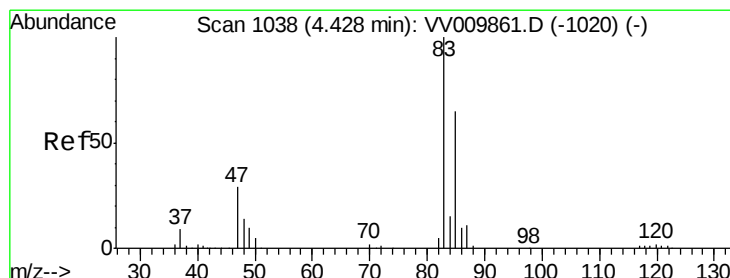
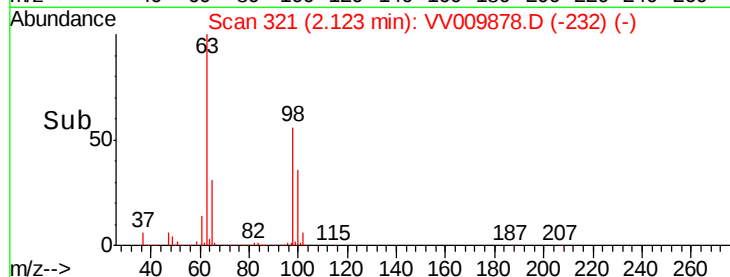
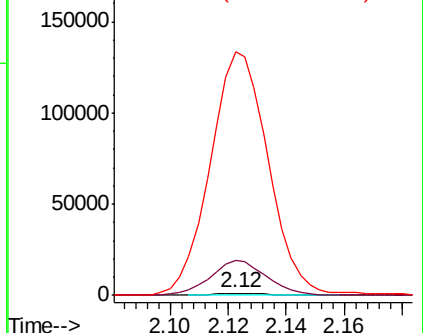
63 12413.0 109.7 203.7#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#25

Chloroform

Concen: 1.441 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VV009878.D

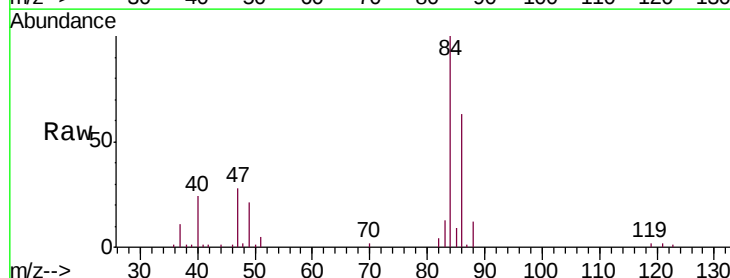
Acq: 25 Mar 2019 22:22

Tgt Ion: 83 Resp: 3664

Ion Ratio Lower Upper

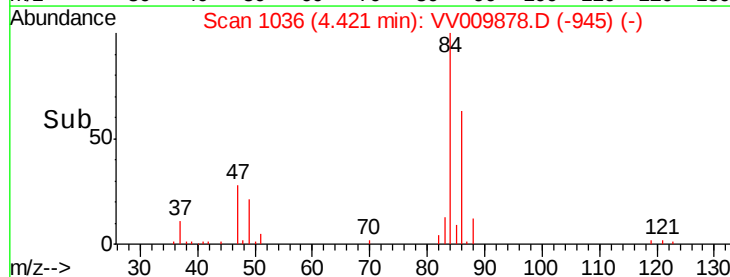
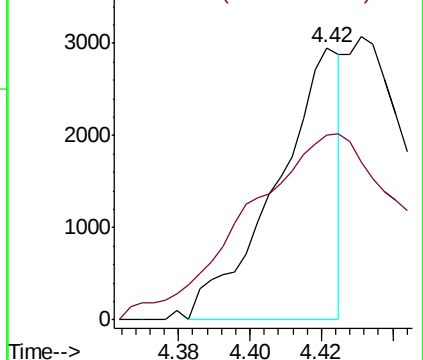
83 100

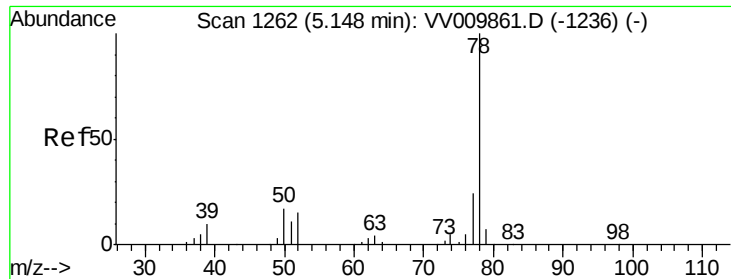
85 67.8 44.7 82.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

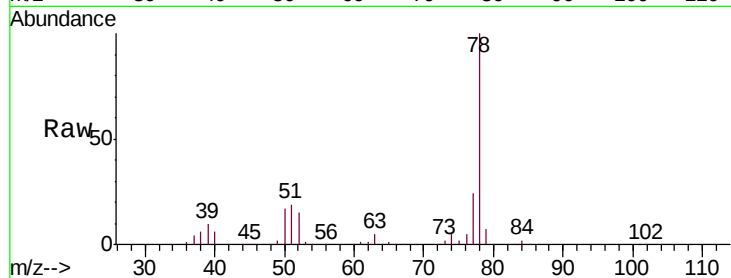




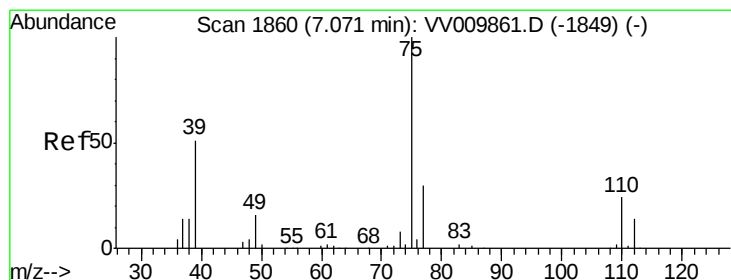
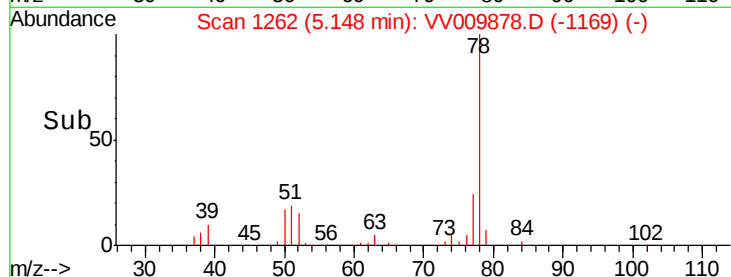
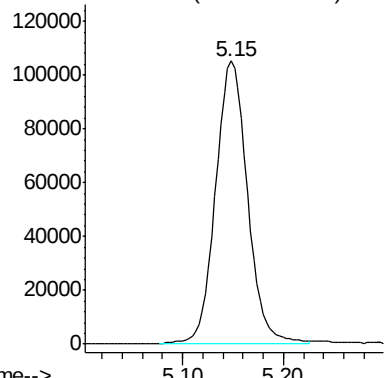
#33
Benzene
Concen: 43.132 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009878.D
Acq: 25 Mar 2019 22:22

Instrument :
MSVOA_V
ClientSampleId :
C09D7

Tgt Ion: 78 Resp: 229572

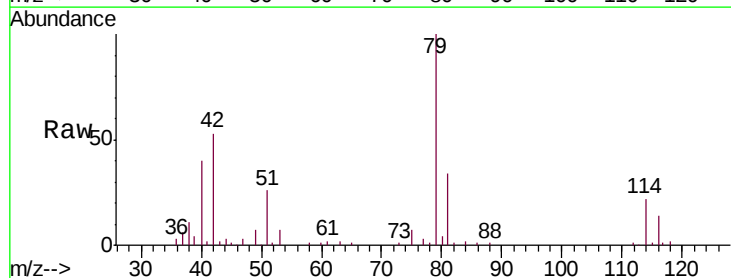


Abundance Ion 78.00 (77.70 to 78.70): VV0



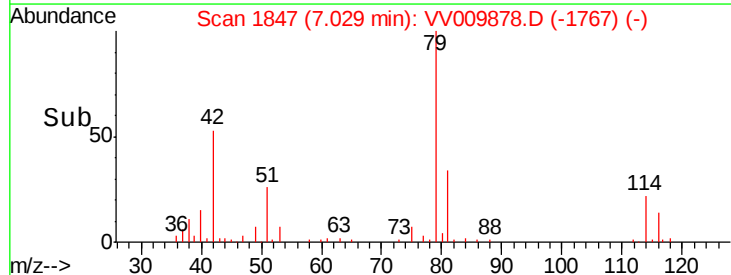
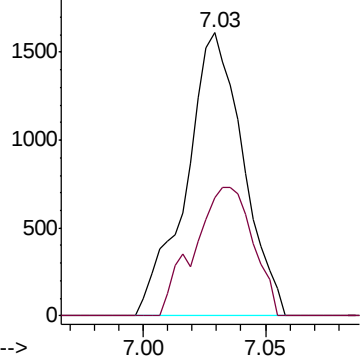
#39
cis-1,3-Dichloropropene
Concen: 1.320 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009878.D
Acq: 25 Mar 2019 22:22

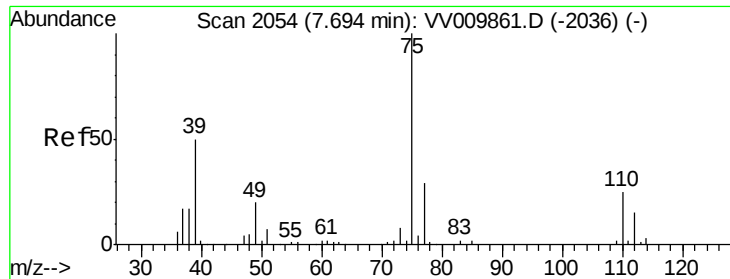
Tgt Ion: 75 Resp: 2602
Ion Ratio Lower Upper
75 100
77 41.7 20.5 38.1#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.948 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009878.D

Acq: 25 Mar 2019 22:22

Instrument :

MSVOA_V

ClientSampleId :

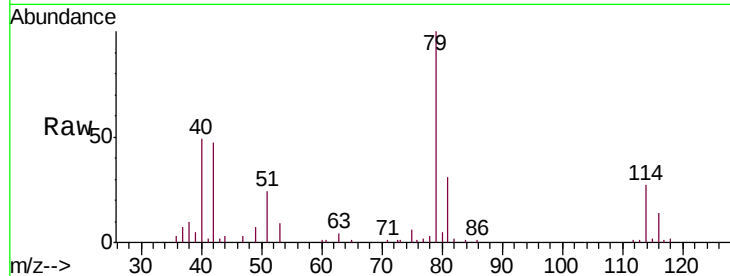
C09D7

Tgt Ion: 75 Resp: 1736

Ion Ratio Lower Upper

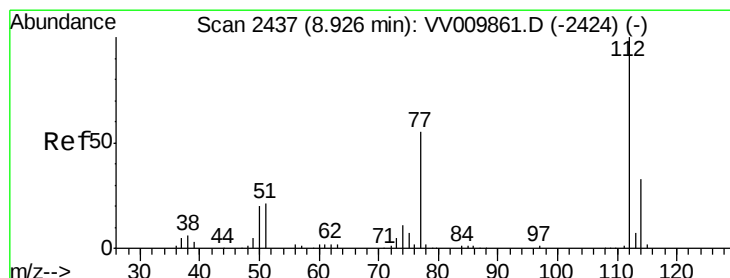
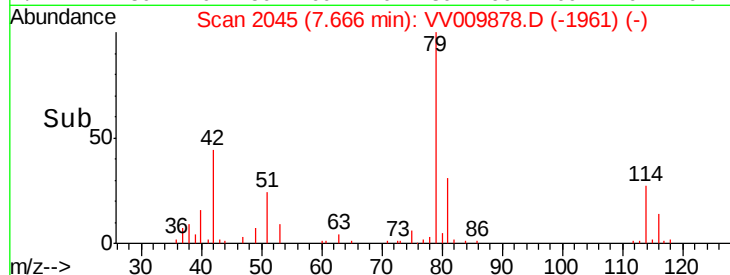
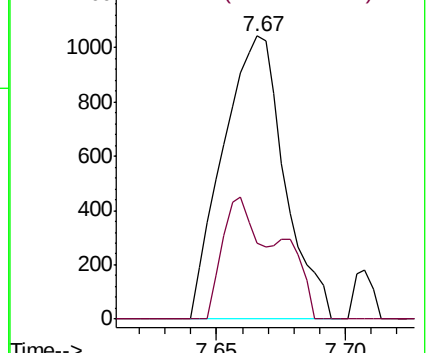
75 100

77 26.9 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009861.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009861.D (-2036) (-)



#51

Chlorobenzene

Concen: 125.151 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009878.D

Acq: 25 Mar 2019 22:22

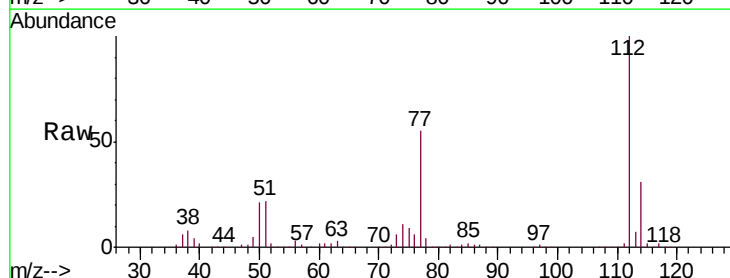
Tgt Ion: 112 Resp: 504654

Ion Ratio Lower Upper

112 100

114 31.2 23.3 43.3

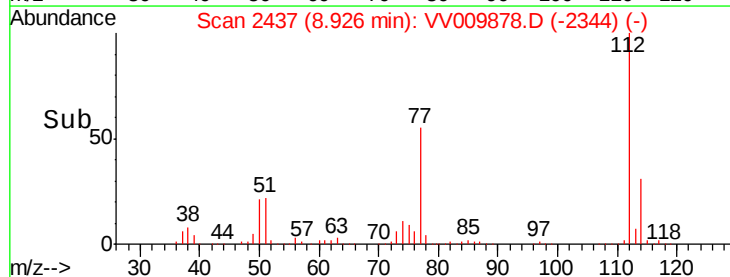
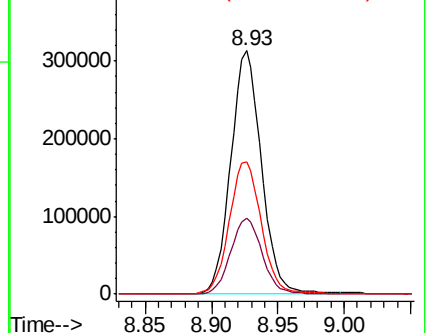
77 54.6 45.8 68.6

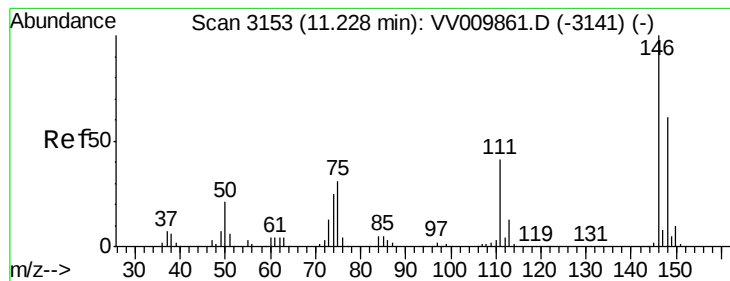


Abundance Ion 112.00 (111.70 to 112.70): VV009861.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV009861.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV009861.D (-2424) (-)





#62

1,3-Dichlorobenzene

Concen: 4.788 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009878.D

Acq: 25 Mar 2019 22:22

Instrument :

MSVOA_V

ClientSampleId :

C09D7

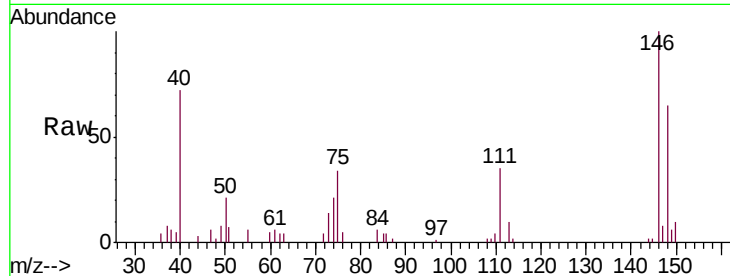
Tgt Ion:146 Resp: 12562

Ion Ratio Lower Upper

146 100

111 35.5 27.5 51.1

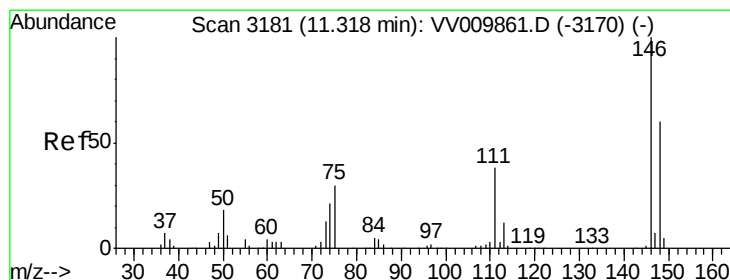
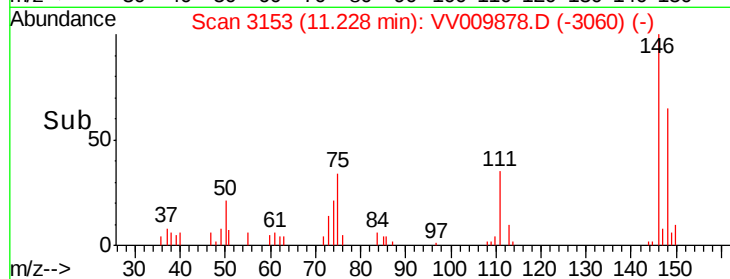
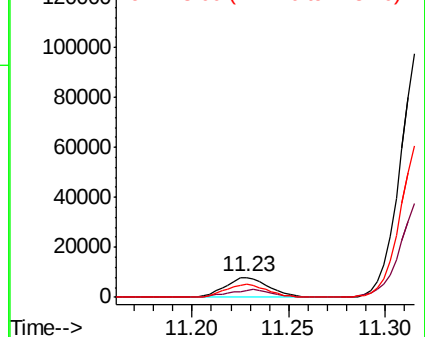
148 64.8 43.0 80.0



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



#63

1,4-Dichlorobenzene

Concen: 64.580 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009878.D

Acq: 25 Mar 2019 22:22

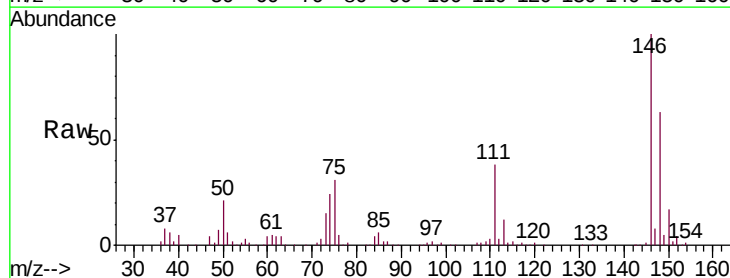
Tgt Ion:146 Resp: 177635

Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.3

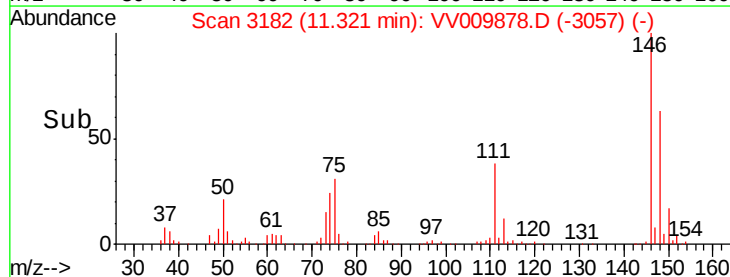
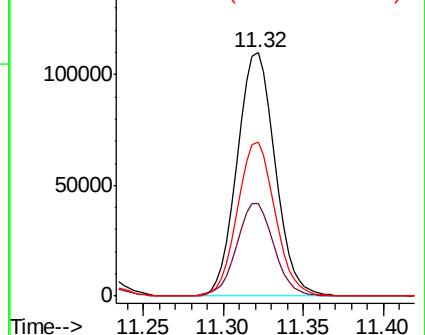
148 63.3 43.2 80.2

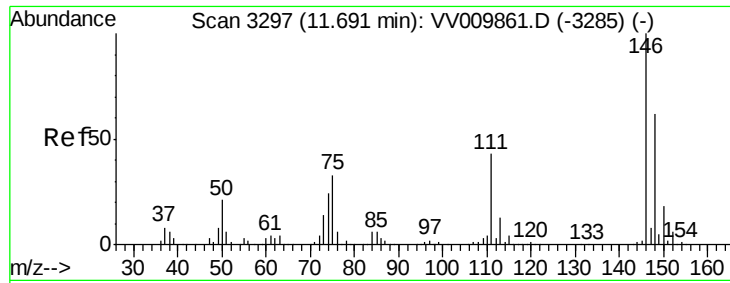


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

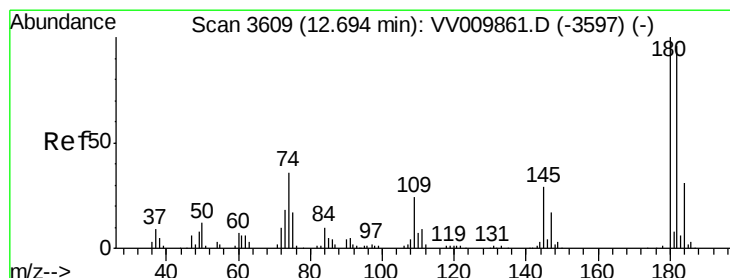
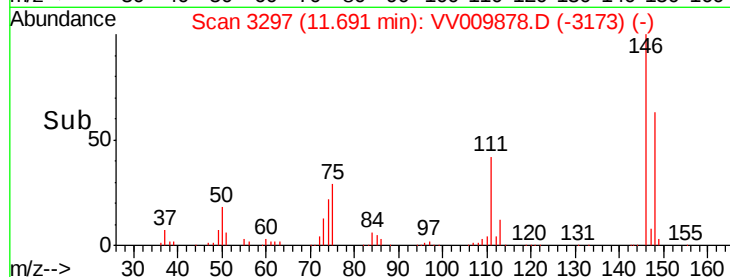
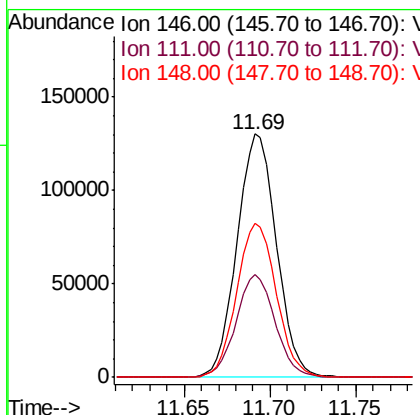
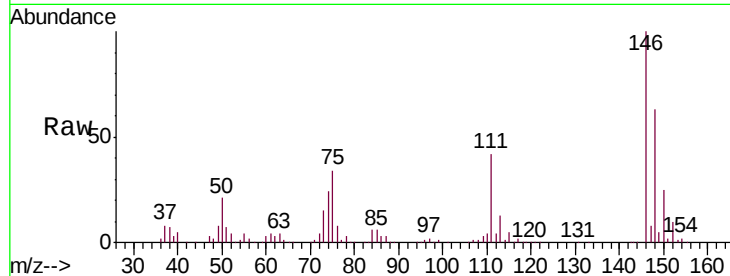




#65
 1,2-Dichlorobenzene
 Concen: 74.799 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009878.D
 Acq: 25 Mar 2019 22:22

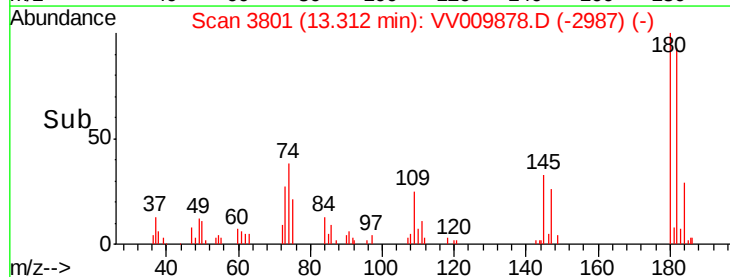
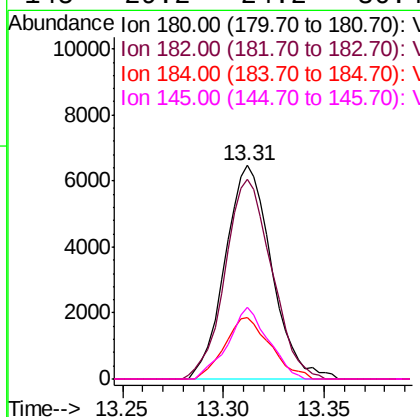
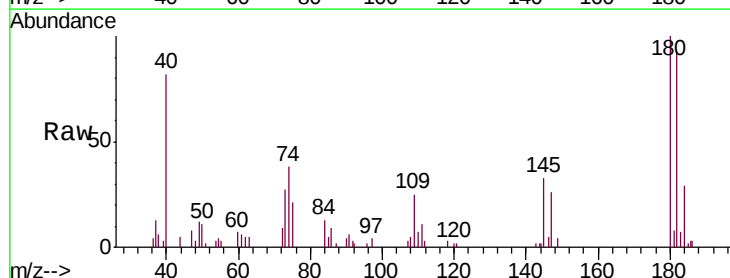
Instrument :
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 C09D7

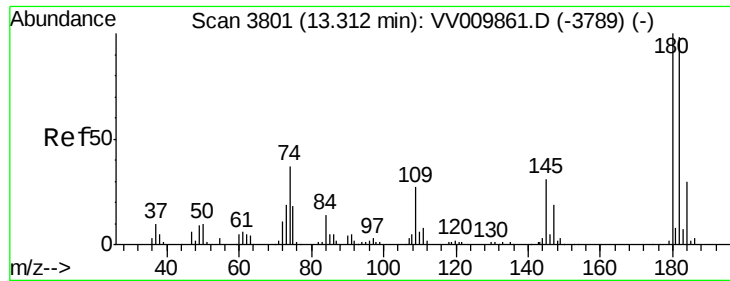
Tgt Ion:146 Resp: 207313
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.0 49.6
 148 63.3 53.2 79.8



#67
 1,3,5-Trichlorobenzene
 Concen: 5.817 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 min
 Lab File: VV009878.D
 Acq: 25 Mar 2019 22:22

Tgt Ion:180 Resp: 10412
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.0 112.6
 184 28.4 24.1 36.1
 145 29.2 24.2 36.4

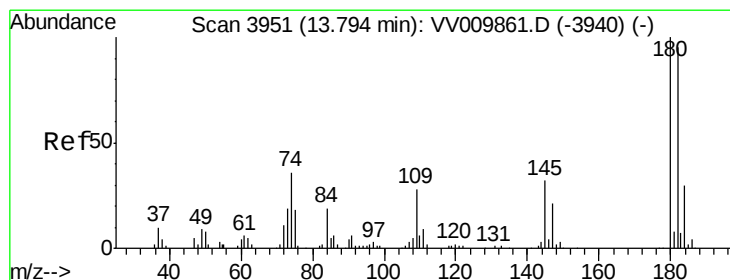
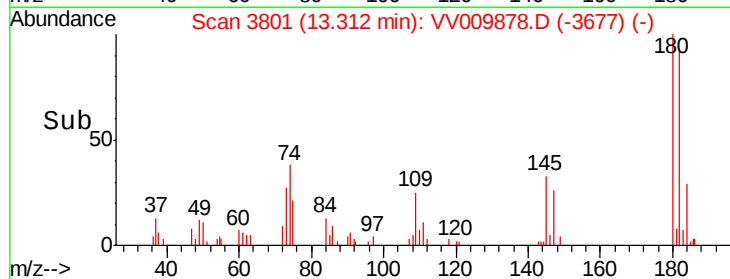
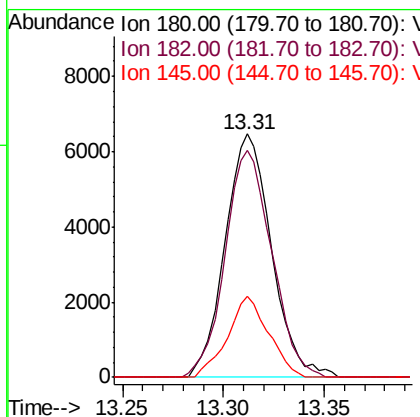
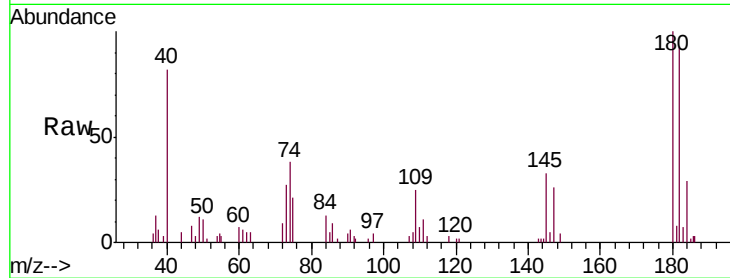




#68
 1,2,4-trichlorobenzene
 Concen: 7.301 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009878.D
 Acq: 25 Mar 2019 22:22

Instrument :
 MSVOA_V
 ClientSampleId :
 C09D7

Tgt Ion:180 Resp: 10412
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.1 115.7
 145 29.2 24.3 36.5



#70
 1,2,3-Trichlorobenzene
 Concen: 2.391 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009878.D
 Acq: 25 Mar 2019 22:22

Tgt Ion:180 Resp: 3449
 Ion Ratio Lower Upper
 180 100
 182 91.1 75.6 113.4
 145 30.6 24.8 37.2

