

Data File : VV009867.D
Acq On : 25 Mar 2019 17:56
Operator : SY/MD
Sample : K2016-03DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0980DL

Quant Time: Mar 26 07:17:50 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	175397	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175506	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72918	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87514	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.74%
7) Chloroethane-d5	1.56	69	97897	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.16%
11) 1,1-Dichloroethene-d2	2.13	63	185862	35.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.40%
21) 2-Butanone-d5	3.93	46	79161	99.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.03%
24) Chloroform-d	4.40	84	116466	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
26) 1,2-Dichloroethane-d4	5.08	65	77268	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
32) Benzene-d6	5.10	84	241436	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.36%
36) 1,2-Dichloropropane-d6	6.12	67	74042	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.76%
41) Toluene-d8	7.36	98	221983	47.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.16%
43) trans-1,3-Dichloropropene-	7.66	79	29456	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.76%
47) 2-Hexanone-d5	8.14	63	56417	93.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.66%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	104501	43.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.64%
64) 1,2-Dichlorobenzene-d4	11.68	152	80723	47.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.56%

Target Compounds

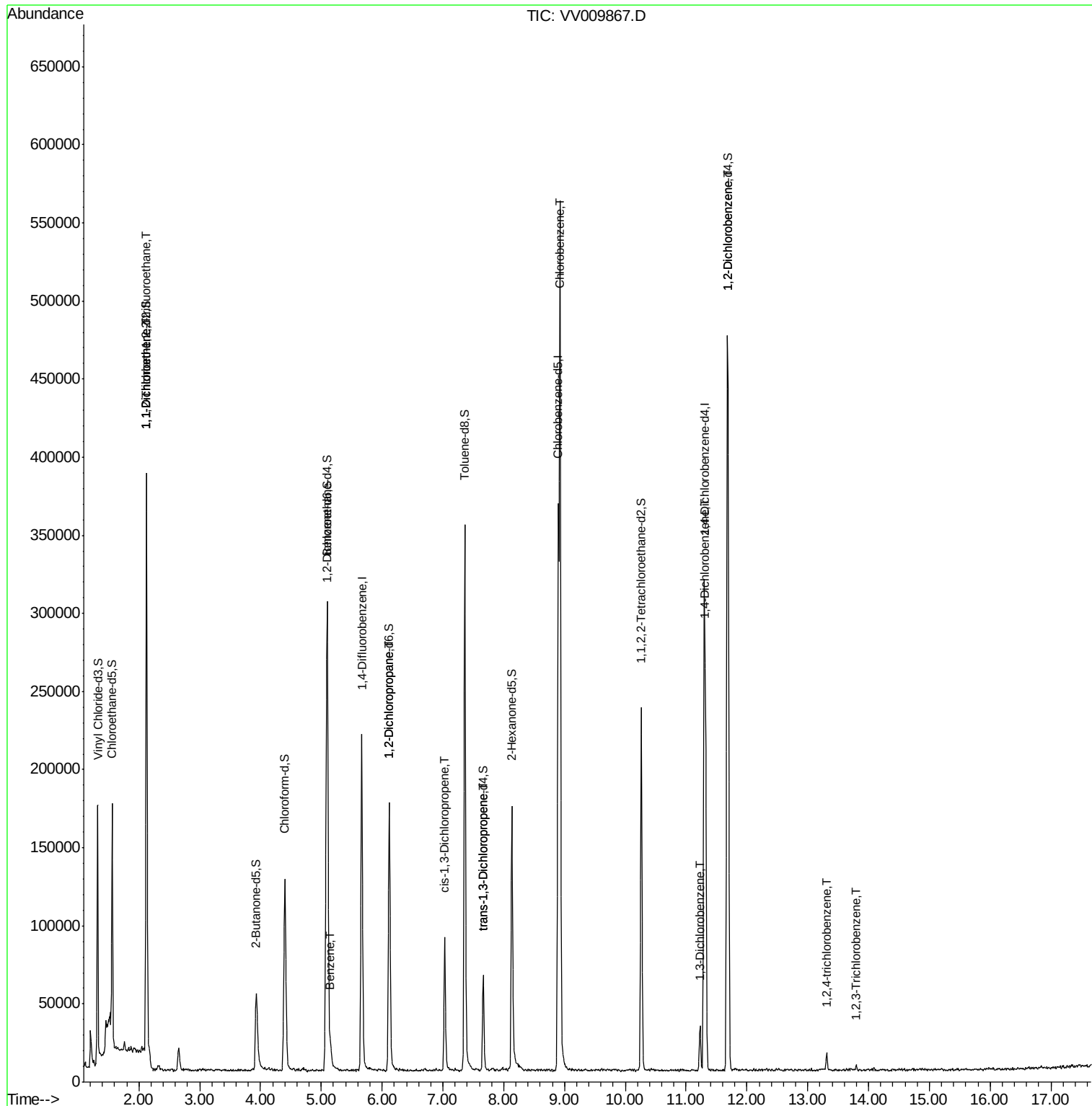
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1719	0.638	ug/L #	22
12) 1,1-Dichloroethene	2.13	96	1606	0.674	ug/L #	1
33) Benzene	5.15	78	10757	2.099	ug/L	100
37) 1,2-Dichloropropane	6.12	63	9045	6.859	ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	2771	1.460	ug/L #	63
44) trans-1,3-Dichloropropene	7.67	75	1737	0.985	ug/L	85
51) Chlorobenzene	8.93	112	270372	69.652	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	11080	4.436	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	76925	29.374	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	128733	48.785	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	3547	2.612	ug/L #	84
70) 1,2,3-Trichlorobenzene	13.80	180	726	0.529	ug/L	88

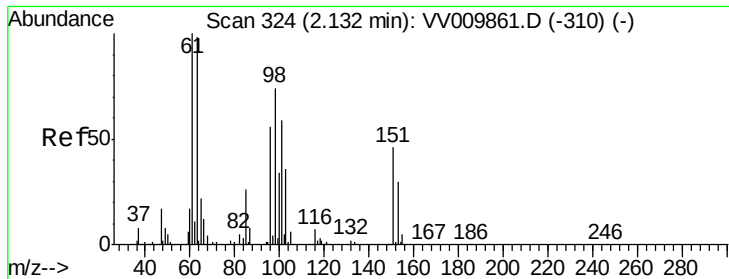
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.638 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009867.D

Acq: 25 Mar 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

C0980DL

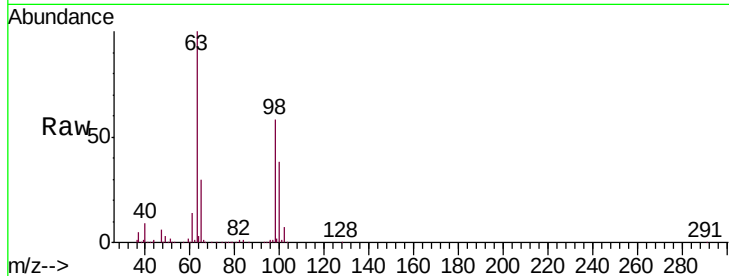
Tgt Ion:101 Resp: 1719

Ion Ratio Lower Upper

101 100

85 2.6 37.0 55.4#

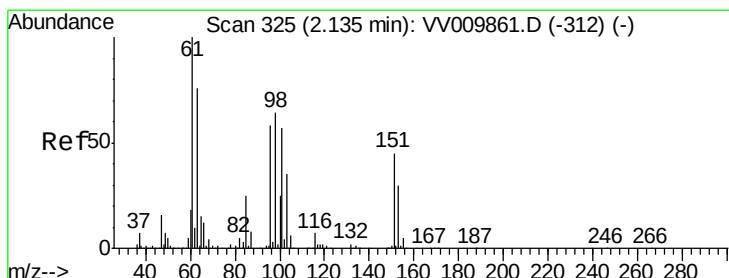
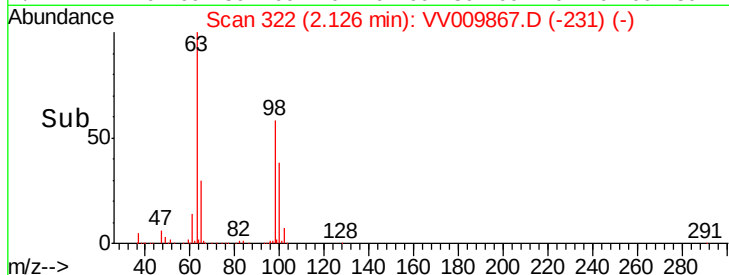
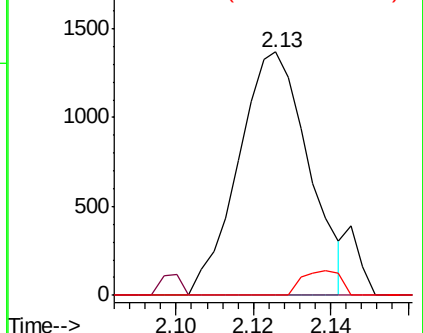
151 5.5 65.4 98.2#



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



#12

1,1-Dichloroethene

Concen: 0.674 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009867.D

Acq: 25 Mar 2019 17:56

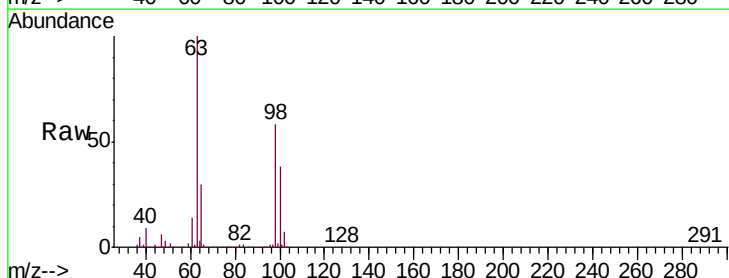
Tgt Ion: 96 Resp: 1606

Ion Ratio Lower Upper

96 100

61 1779.5 125.3 232.7#

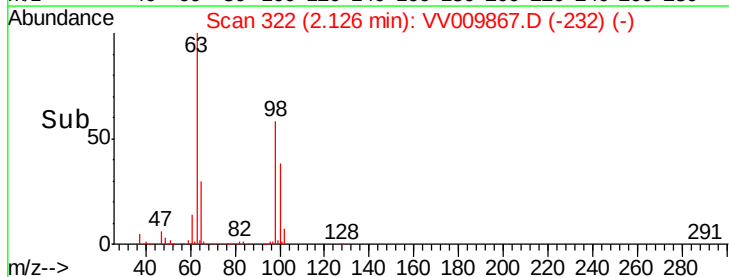
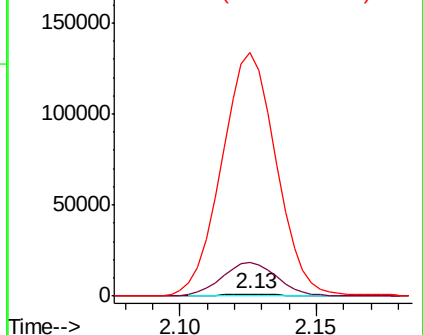
63 12812.3 109.7 203.7#

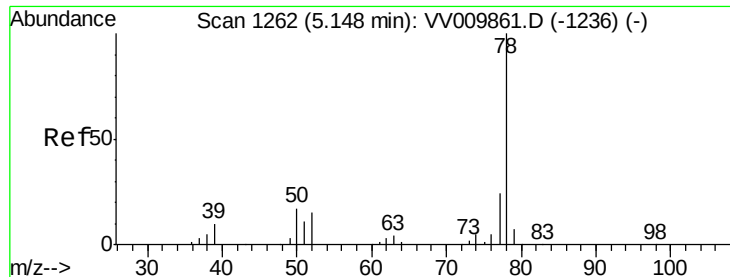


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#33

Benzene

Concen: 2.099 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV009867.D

Acq: 25 Mar 2019 17:56

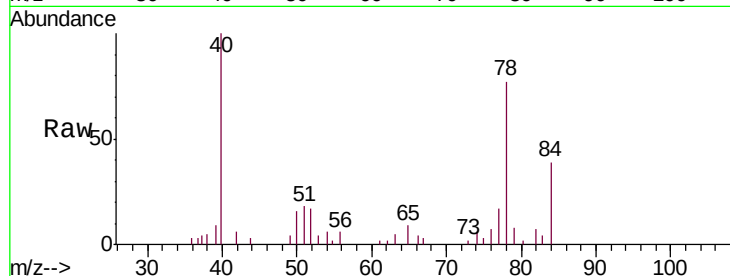
Instrument :

MSVOA_V

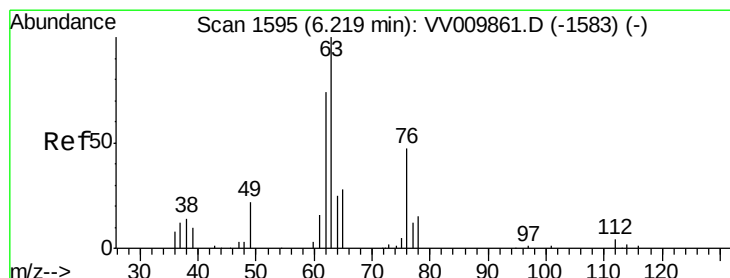
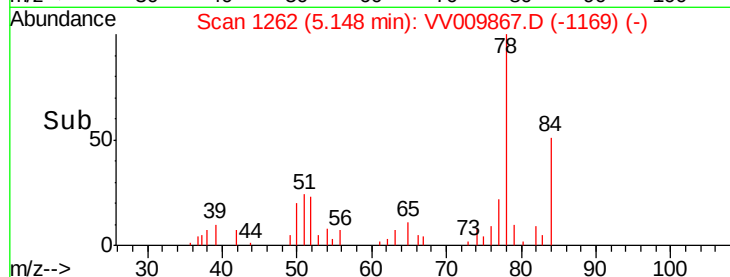
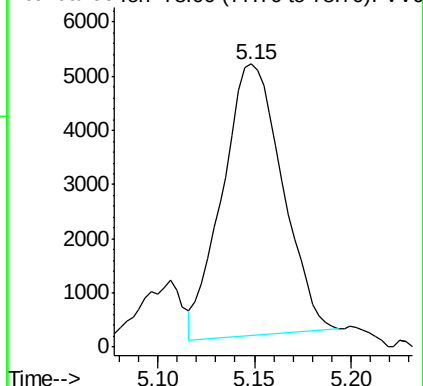
ClientSampled :

C0980DL

Tgt Ion: 78 Resp: 10757



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 6.859 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV009867.D

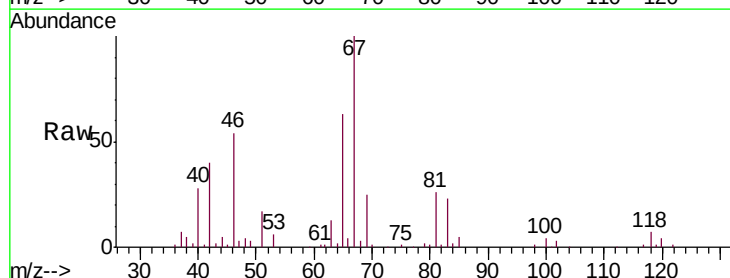
Acq: 25 Mar 2019 17:56

Tgt Ion: 63 Resp: 9045

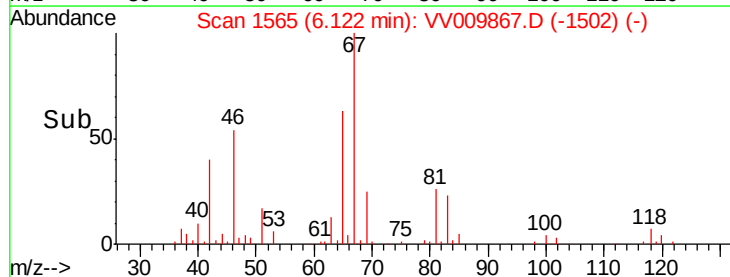
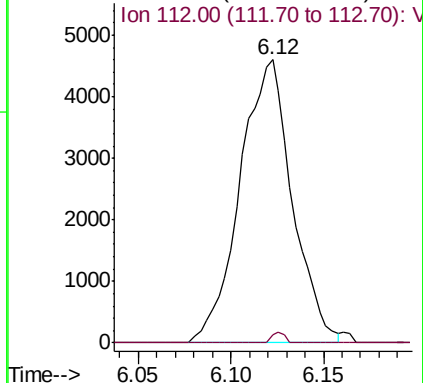
Ion Ratio Lower Upper

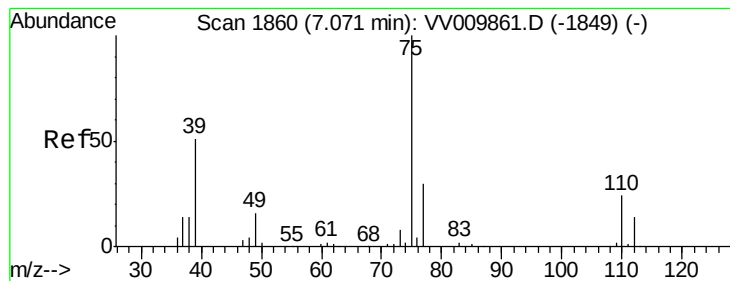
63 100

112 0.9 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 1.460 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009867.D

Acq: 25 Mar 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

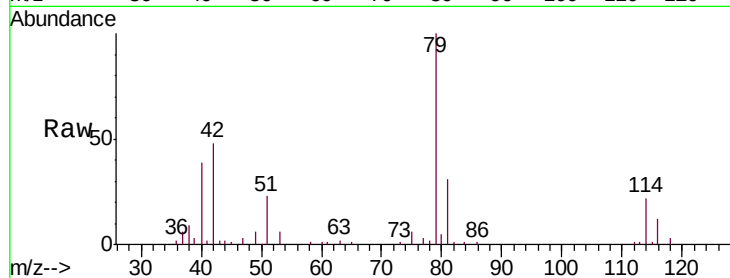
C0980DL

Tgt Ion: 75 Resp: 2771

Ion Ratio Lower Upper

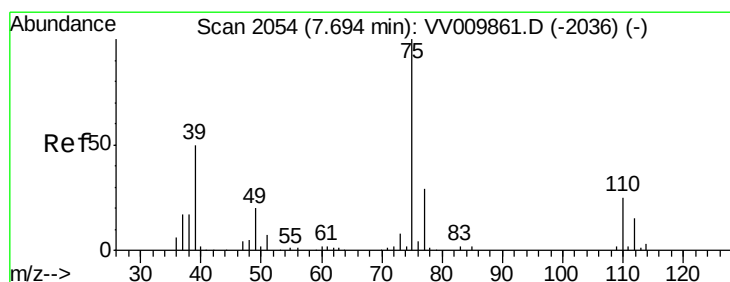
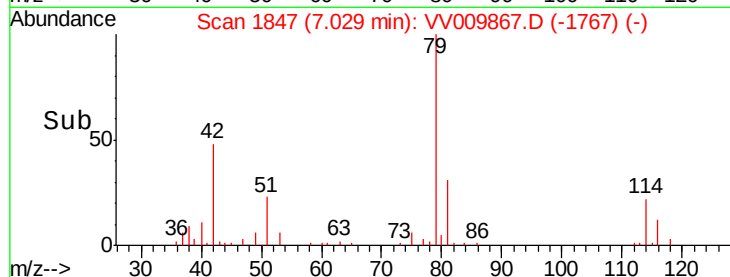
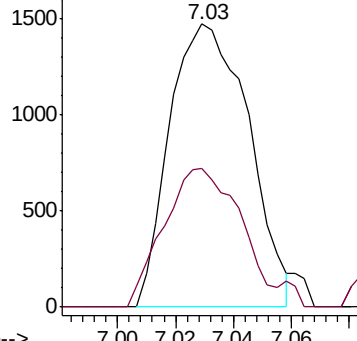
75 100

77 49.0 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: 0.985 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009867.D

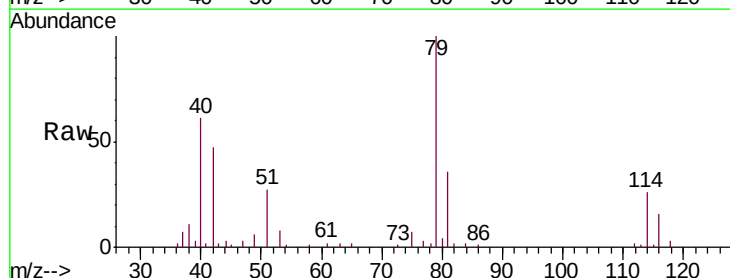
Acq: 25 Mar 2019 17:56

Tgt Ion: 75 Resp: 1737

Ion Ratio Lower Upper

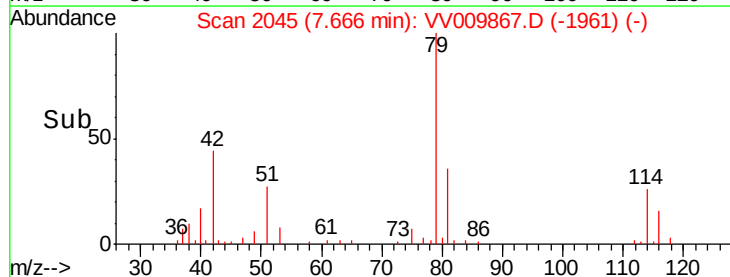
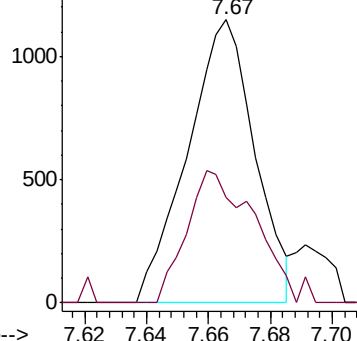
75 100

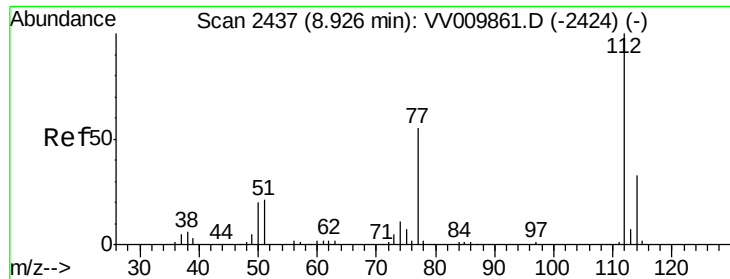
77 37.4 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#51

Chlorobenzene

Concen: 69.652 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009867.D

Acq: 25 Mar 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

C0980DL

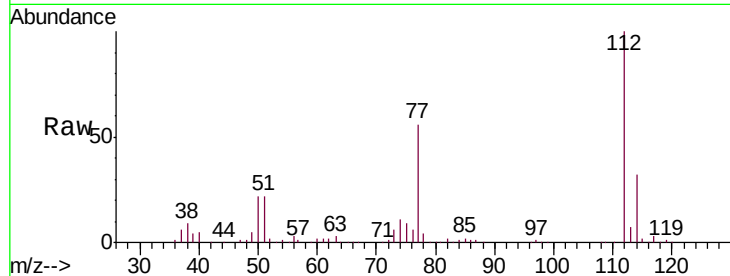
Tgt Ion:112 Resp: 270372

Ion Ratio Lower Upper

112 100

114 32.0 23.3 43.3

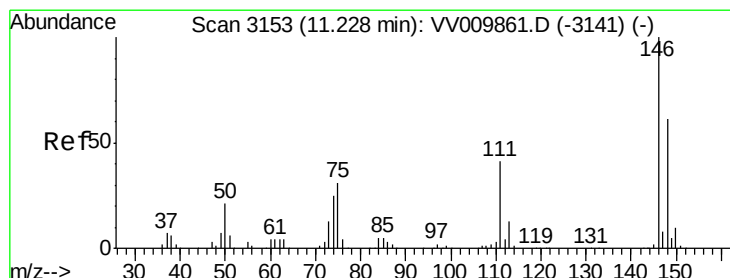
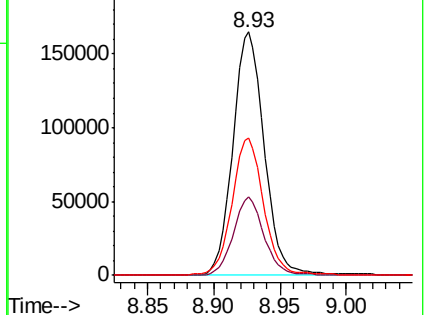
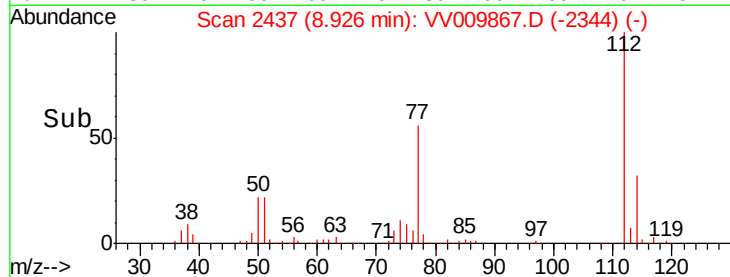
77 56.4 45.8 68.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 4.436 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009867.D

Acq: 25 Mar 2019 17:56

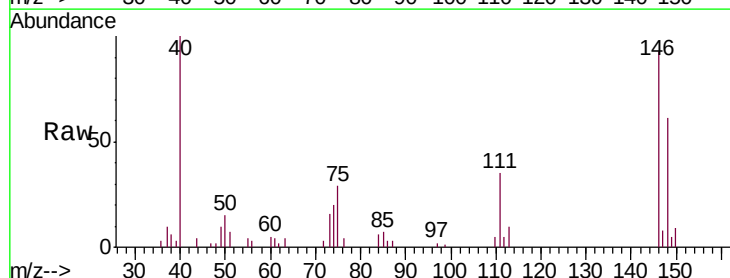
Tgt Ion:146 Resp: 11080

Ion Ratio Lower Upper

146 100

111 38.2 27.5 51.1

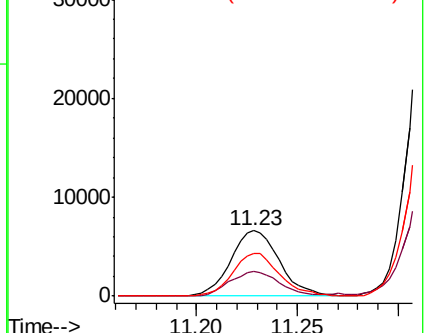
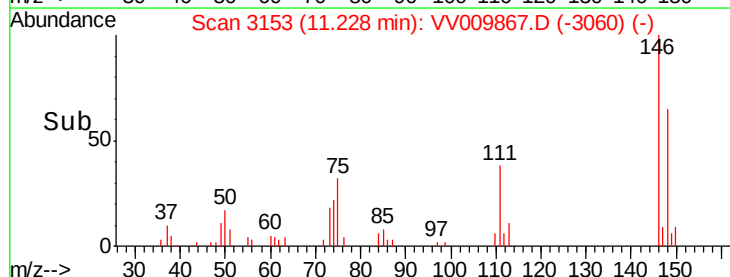
148 65.4 43.0 80.0

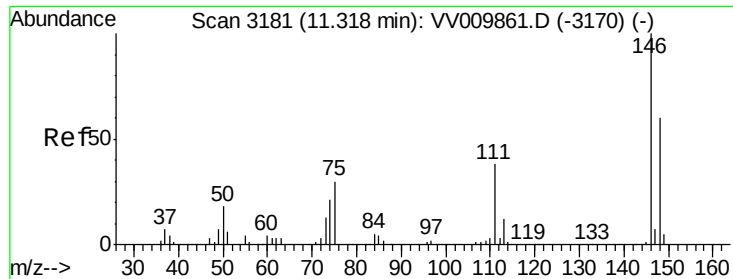


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

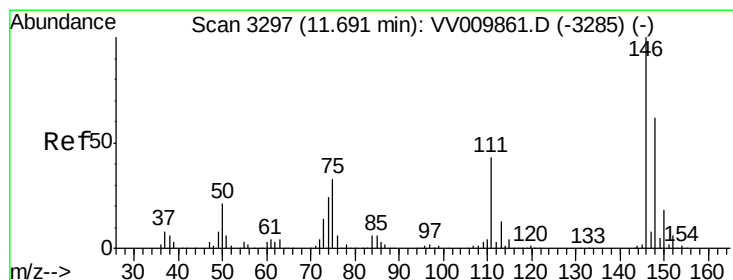
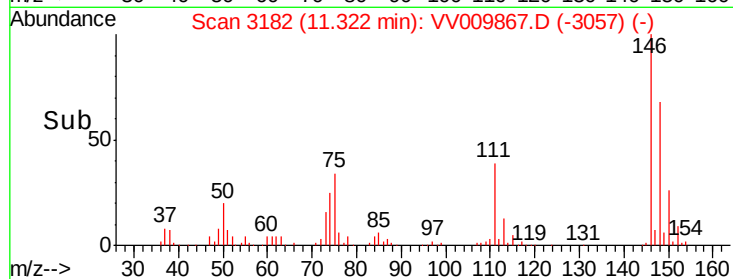
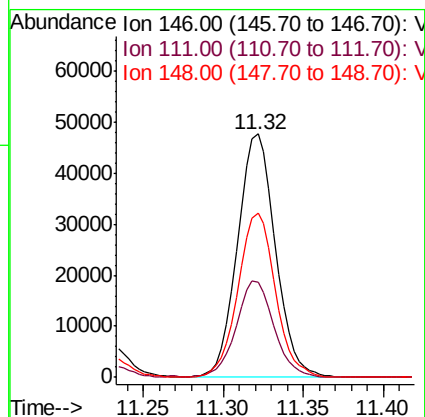
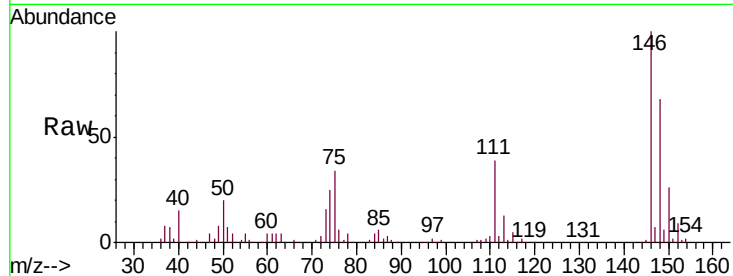




#63
 1,4-Dichlorobenzene
 Concen: 29.374 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009867.D
 Acq: 25 Mar 2019 17:56

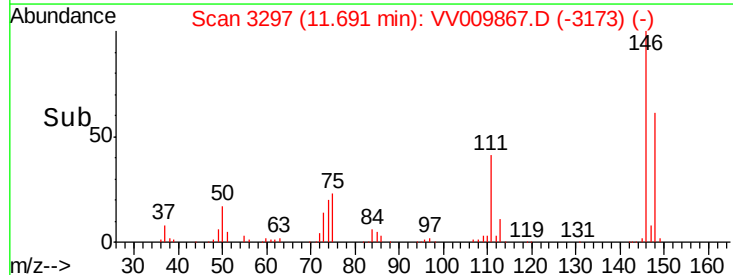
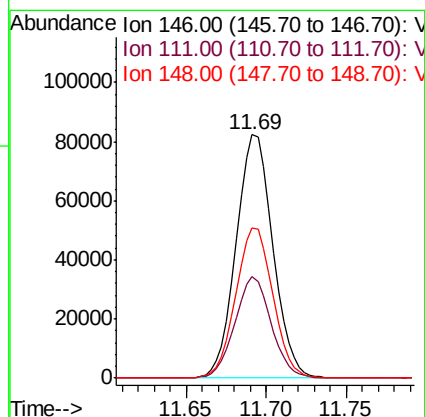
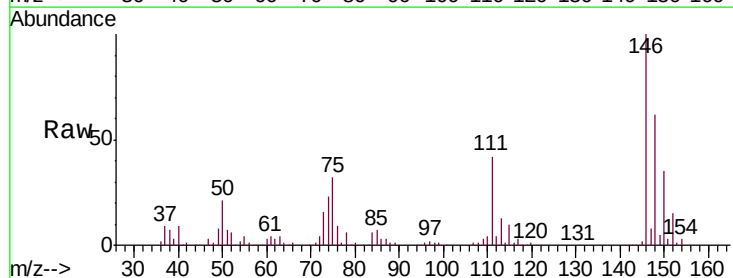
Instrument :
 MSVOA_V
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 C0980DL

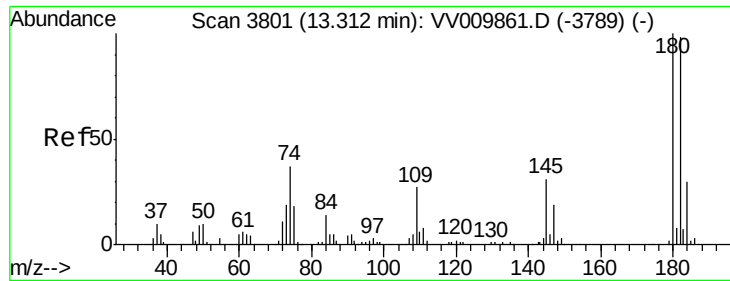
Tgt Ion:146 Resp: 76925
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.5 49.3
 148 67.6 43.2 80.2



#65
 1,2-Dichlorobenzene
 Concen: 48.785 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009867.D
 Acq: 25 Mar 2019 17:56

Tgt Ion:146 Resp: 128733
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.0 49.6
 148 61.9 53.2 79.8

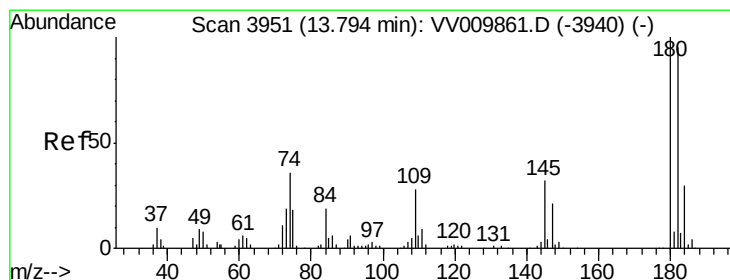
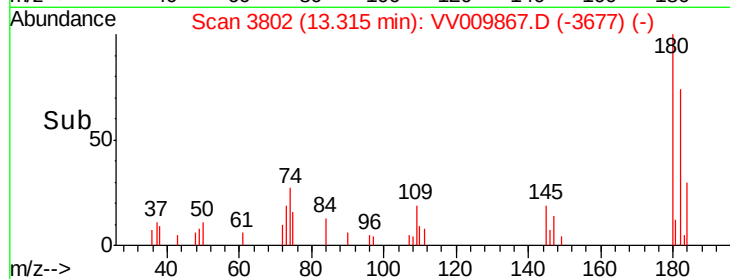
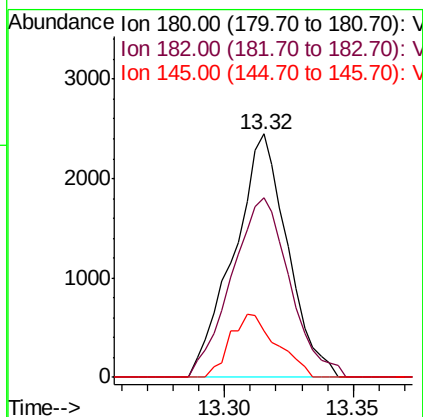
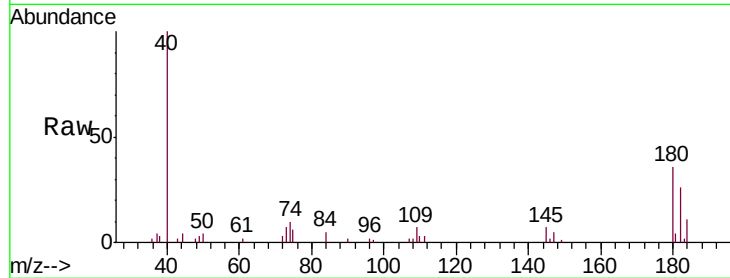




#68
 1,2,4-trichlorobenzene
 Concen: 2.612 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009867.D
 Acq: 25 Mar 2019 17:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C0980DL

Tgt Ion:180 Resp: 3547
 Ion Ratio Lower Upper
 180 100
 182 80.0 77.1 115.7
 145 22.6 24.3 36.5#



#70
 1,2,3-Trichlorobenzene
 Concen: 0.529 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV009867.D
 Acq: 25 Mar 2019 17:56

Tgt Ion:180 Resp: 726
 Ion Ratio Lower Upper
 180 100
 182 106.5 75.6 113.4
 145 36.2 24.8 37.2

