

Data File : VV009879.D
Acq On : 25 Mar 2019 22:46
Operator : SY/MD
Sample : K2070-16 400X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09E2

Quant Time: Mar 26 07:20:46 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	5.66	114	174690	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173307	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72238	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88327	49.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.04%
7) Chloroethane-d5	1.56	69	100999	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.64%
11) 1,1-Dichloroethene-d2	2.12	63	191248	36.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.74%
21) 2-Butanone-d5	3.93	46	77933	97.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.89%
24) Chloroform-d	4.40	84	116642	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
26) 1,2-Dichloroethane-d4	5.08	65	82042	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.96%
32) Benzene-d6	5.10	84	245617	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
36) 1,2-Dichloropropane-d6	6.12	67	75229	51.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.68%
41) Toluene-d8	7.36	98	222409	48.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.56%
43) trans-1,3-Dichloropropene-	7.67	79	28806	43.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.92%
47) 2-Hexanone-d5	8.14	63	56067	94.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101742	43.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	80023	47.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.64%

Target Compounds

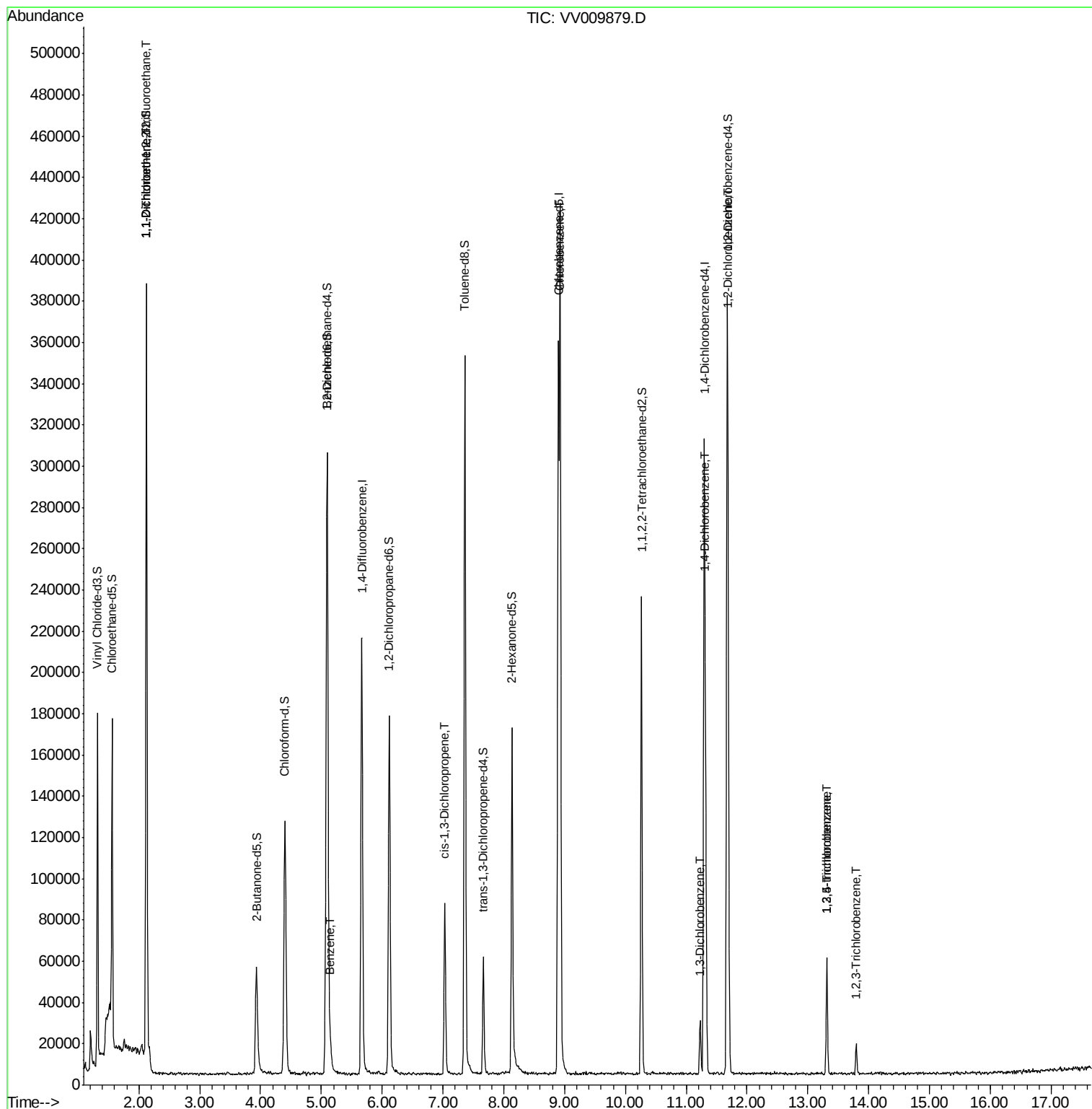
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1884	0.703	ug/L #	18
12) 1,1-Dichloroethene	2.13	96	1840	0.775	ug/L #	1
33) Benzene	5.14	78	10417	2.059	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	2638	1.408	ug/L #	57
51) Chlorobenzene	8.93	112	206441	53.857	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	9744	3.938	ug/L	90
63) 1,4-Dichlorobenzene	11.32	146	47068	18.142	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	61515	23.531	ug/L	97
67) 1,3,5-Trichlorobenzene	13.31	180	14552	8.620	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	14552	10.818	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	4124	3.031	ug/L	95

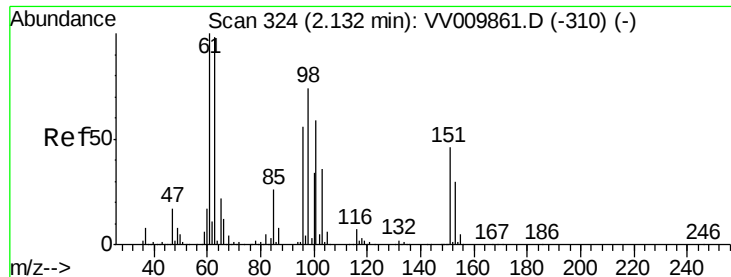
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.703 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009879.D

Acq: 25 Mar 2019 22:46

Instrument :

MSVOA_V

ClientSampled :

C09E2

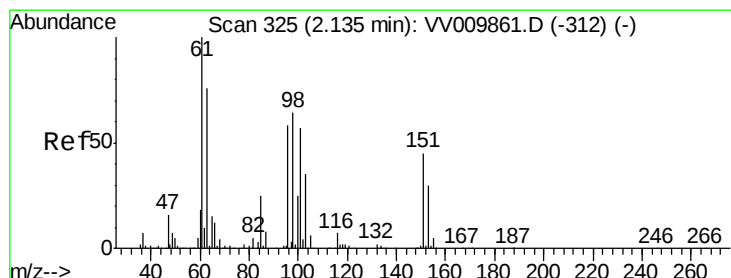
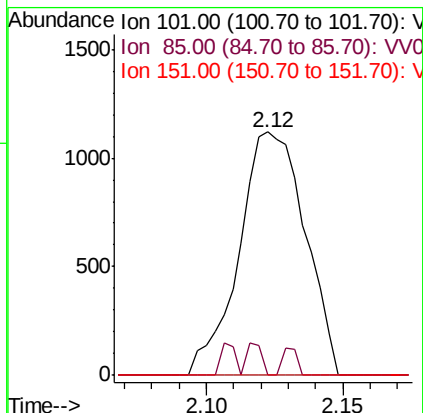
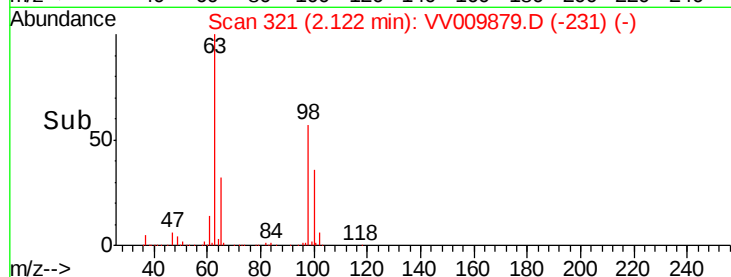
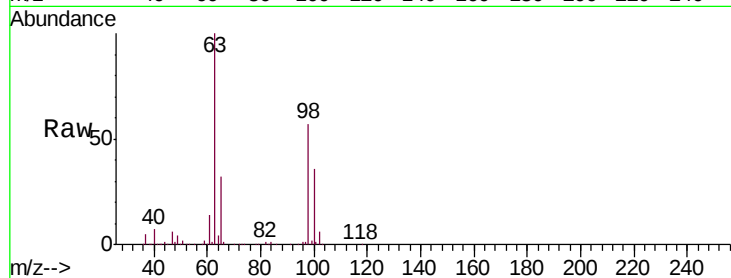
Tgt Ion: 101 Resp: 1884

Ion Ratio Lower Upper

101 100

85 2.5 37.0 55.4#

151 0.0 65.4 98.2#



#12

1,1-Dichloroethene

Concen: 0.775 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009879.D

Acq: 25 Mar 2019 22:46

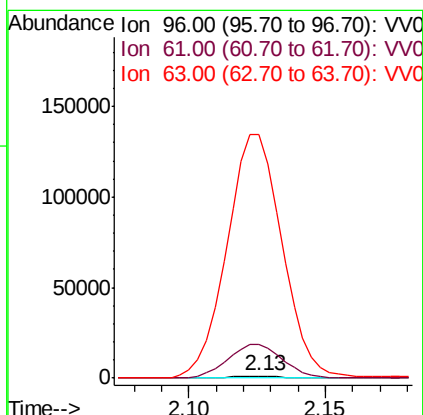
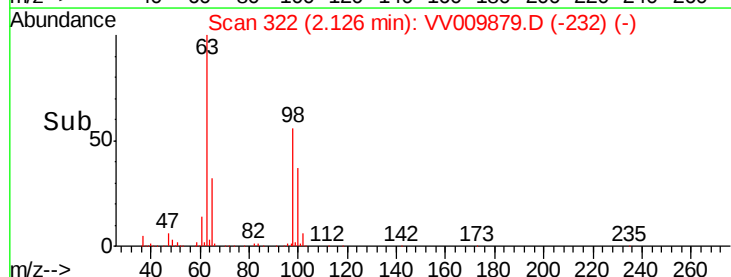
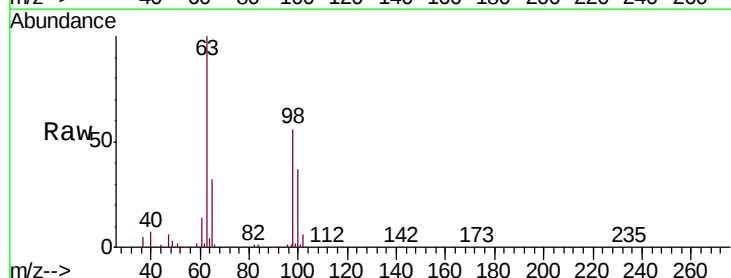
Tgt Ion: 96 Resp: 1840

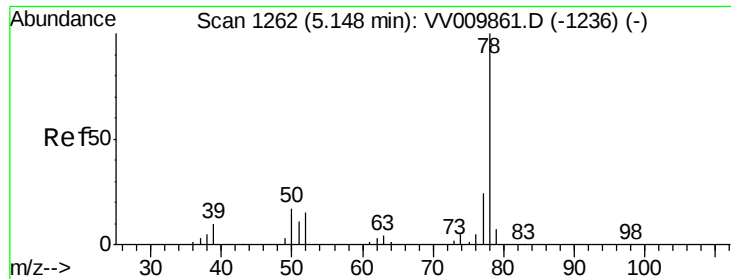
Ion Ratio Lower Upper

96 100

61 1534.0 125.3 232.7#

63 10879.0 109.7 203.7#





#33

Benzene

Concen: 2.059 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV009879.D

Acq: 25 Mar 2019 22:46

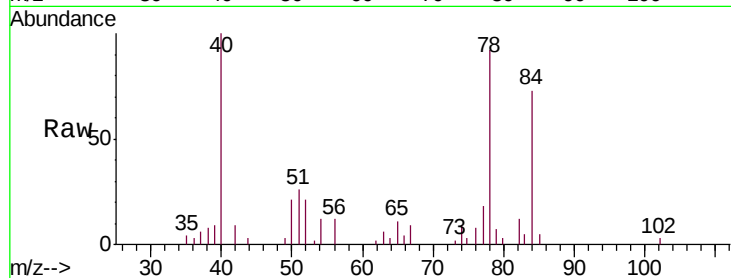
Instrument :

MSVOA_V

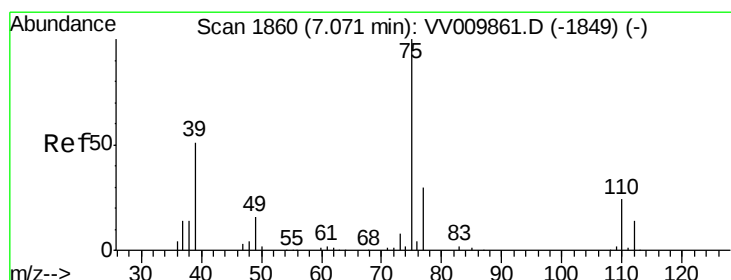
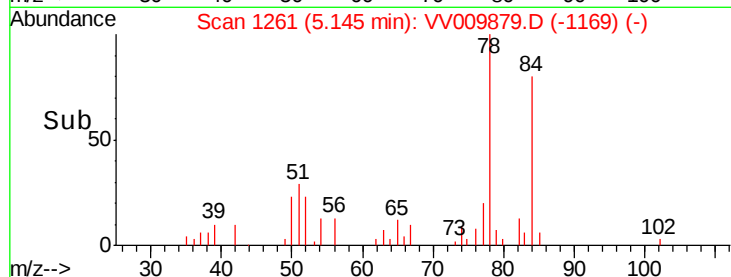
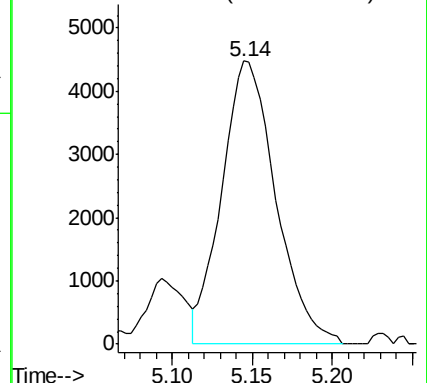
ClientSampleId :

C09E2

Tgt Ion: 78 Resp: 10417



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.408 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009879.D

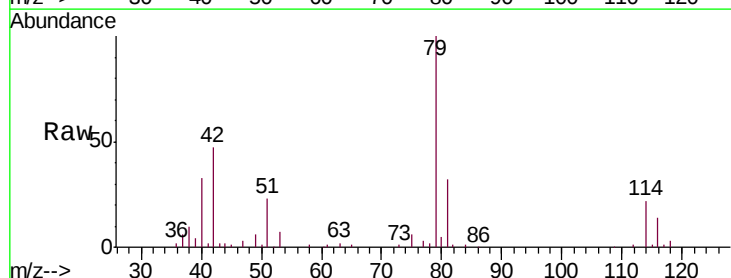
Acq: 25 Mar 2019 22:46

Tgt Ion: 75 Resp: 2638

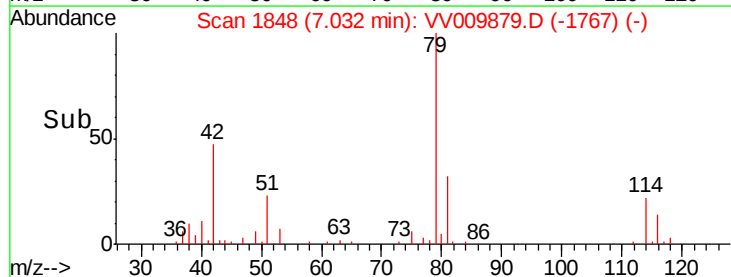
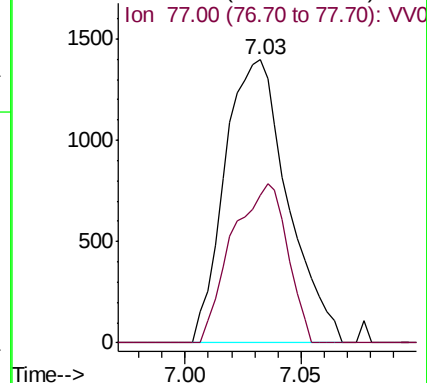
Ion Ratio Lower Upper

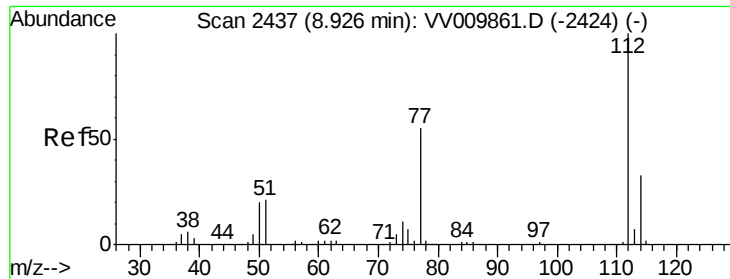
75 100

77 52.3 20.5 38.1#



Abundance Ion 75.00 (74.70 to 75.70): VV0





#51

Chlorobenzene

Concen: 53.857 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009879.D

Acq: 25 Mar 2019 22:46

Instrument :

MSVOA_V

ClientSampleId :

C09E2

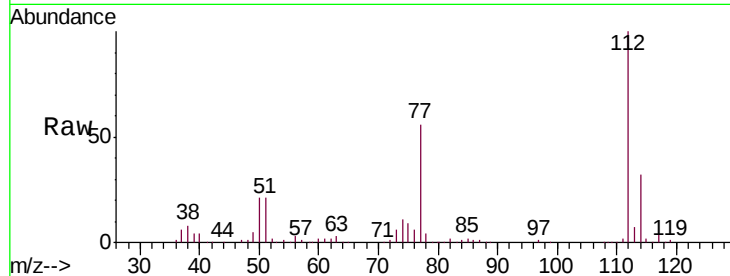
Tgt Ion:112 Resp: 206441

Ion Ratio Lower Upper

112 100

114 31.7 23.3 43.3

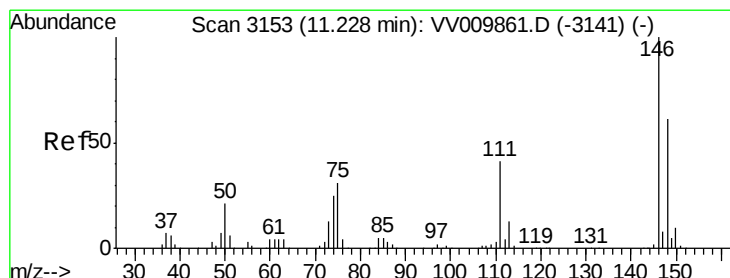
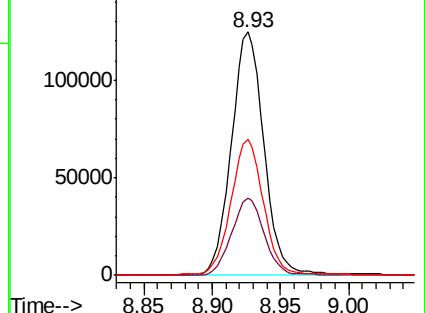
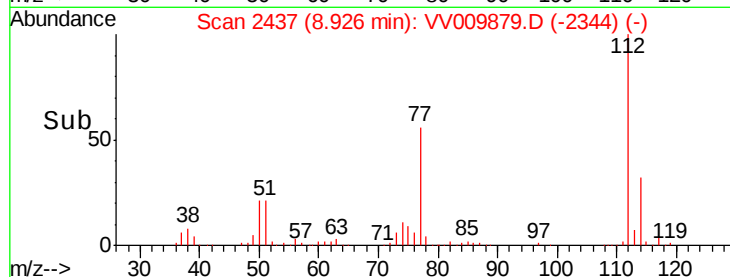
77 56.1 45.8 68.6



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: 3.938 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009879.D

Acq: 25 Mar 2019 22:46

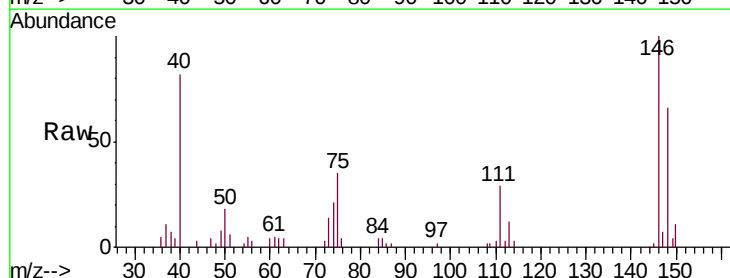
Tgt Ion:146 Resp: 9744

Ion Ratio Lower Upper

146 100

111 28.7 27.5 51.1

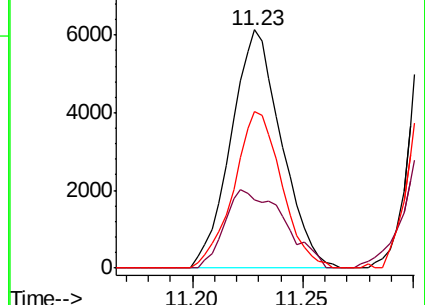
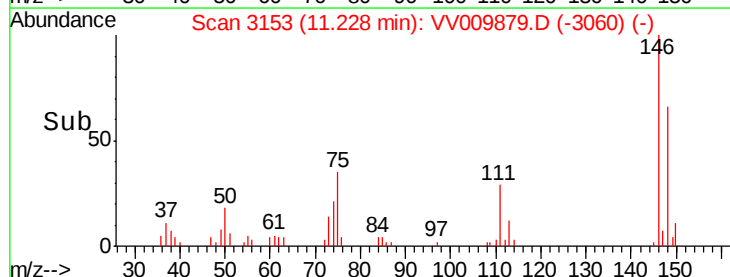
148 65.6 43.0 80.0

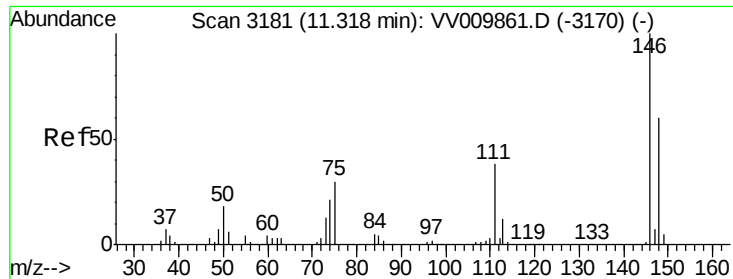


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

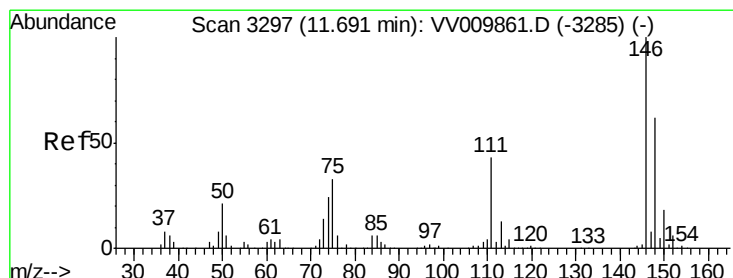
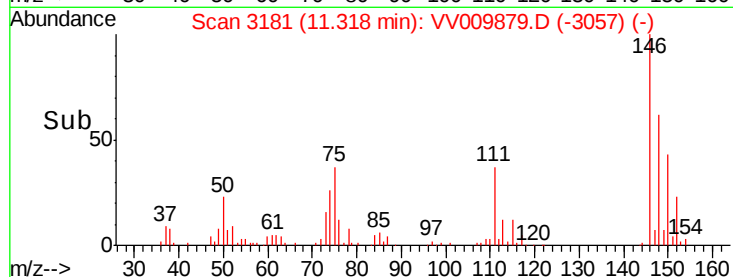
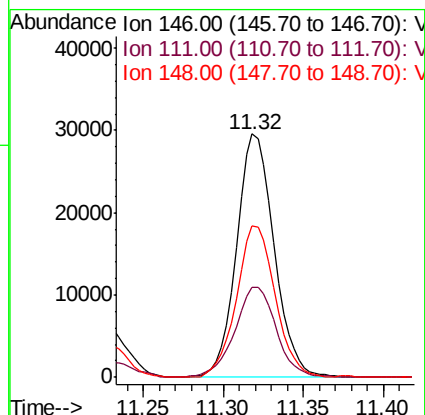
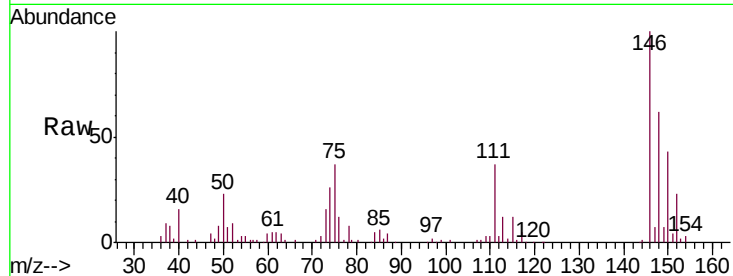




#63
 1,4-Dichlorobenzene
 Concen: 18.142 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009879.D
 Acq: 25 Mar 2019 22:46

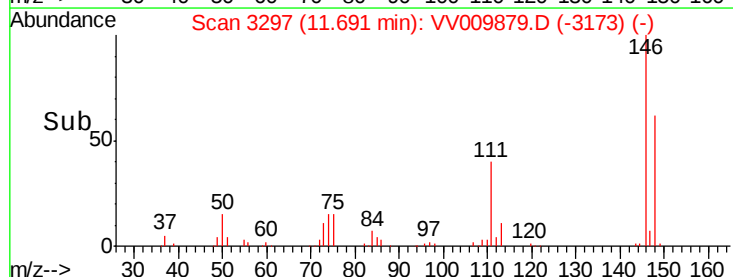
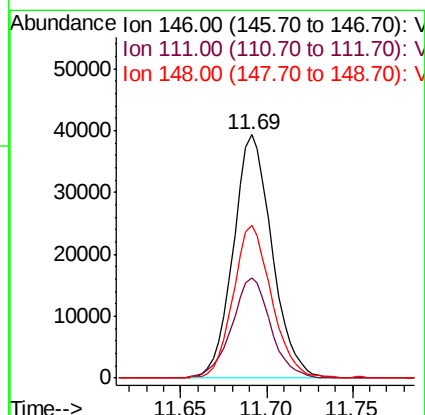
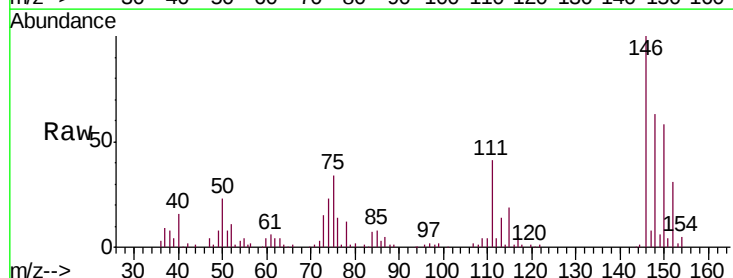
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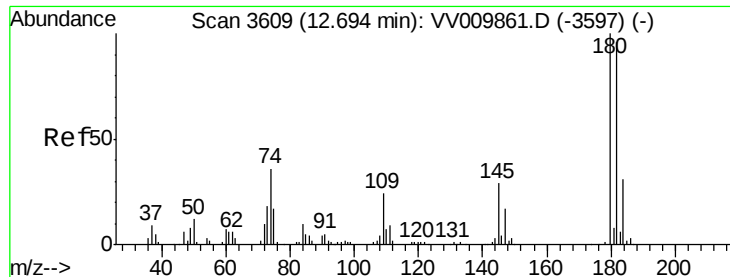
Tgt Ion:146 Resp: 47068
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.5 49.3
 148 62.3 43.2 80.2



#65
 1,2-Dichlorobenzene
 Concen: 23.531 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009879.D
 Acq: 25 Mar 2019 22:46

Tgt Ion:146 Resp: 61515
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.0 49.6
 148 63.0 53.2 79.8

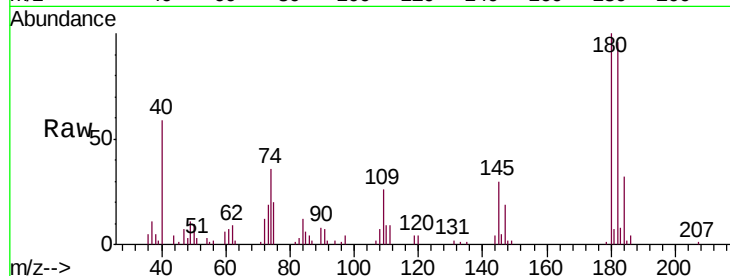




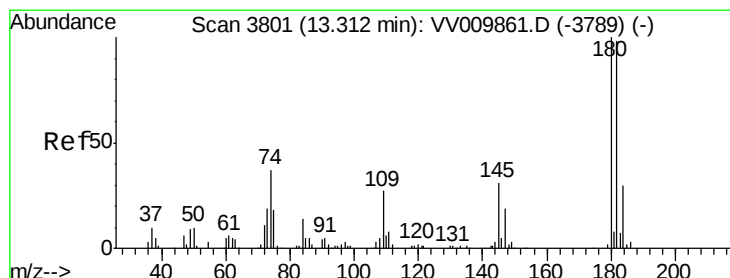
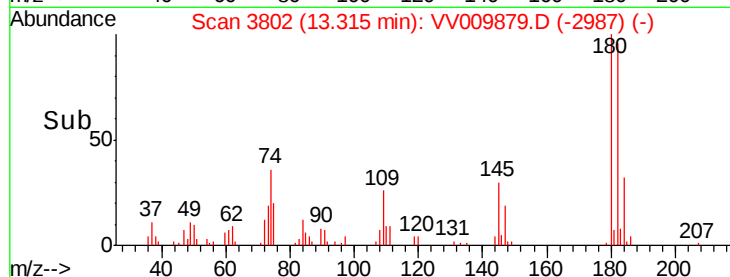
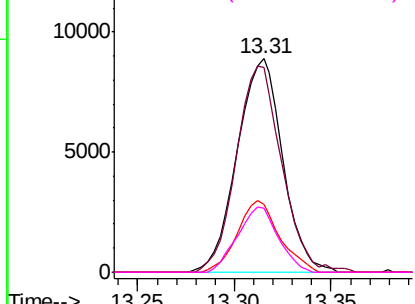
#67
 1,3,5-Trichlorobenzene
 Concen: 8.620 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.62 min
 Lab File: VV009879.D
 Acq: 25 Mar 2019 22:46

Instrument :
 MSVOA_V
 ClientSampleId :
 C09E2

Tgt Ion:180 Resp: 14552
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.0 112.6
 184 30.9 24.1 36.1
 145 27.4 24.2 36.4

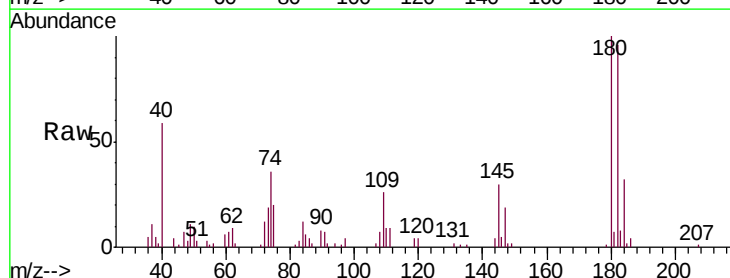


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

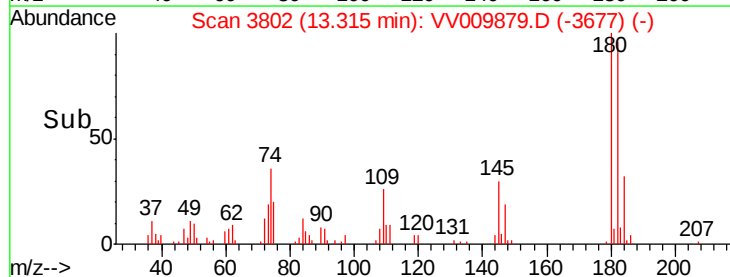
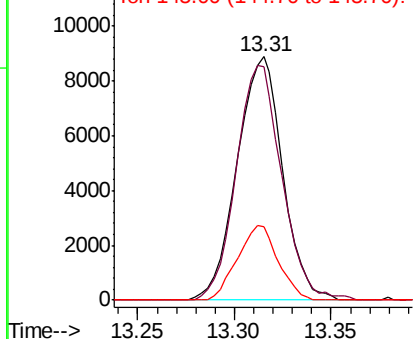


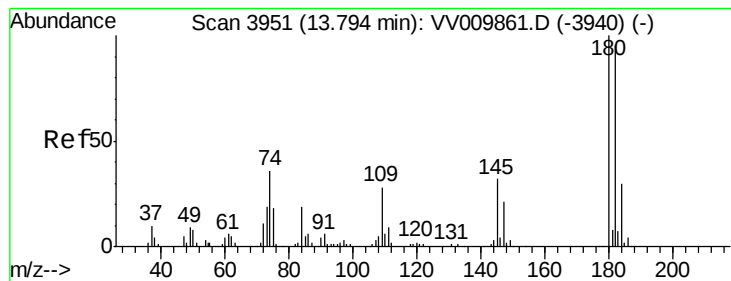
#68
 1,2,4-trichlorobenzene
 Concen: 10.818 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009879.D
 Acq: 25 Mar 2019 22:46

Tgt Ion:180 Resp: 14552
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.1 115.7
 145 27.4 24.3 36.5



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: 3.031 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009879.D

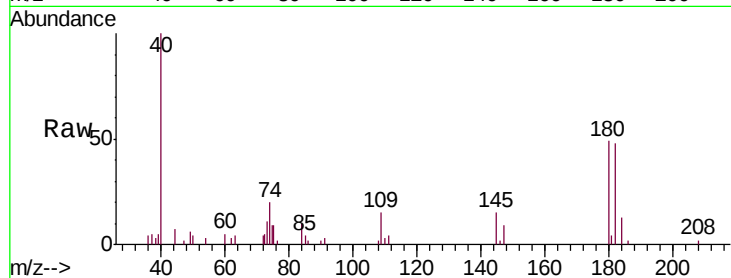
Acq: 25 Mar 2019 22:46

Instrument :

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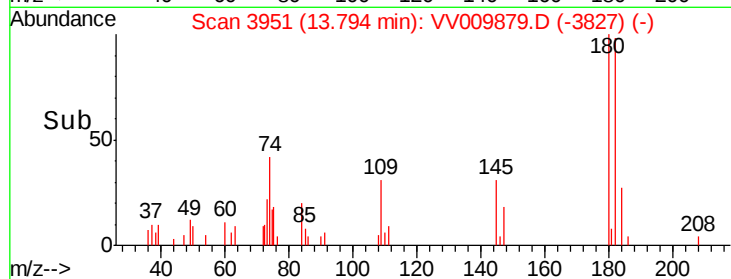
Tgt Ion:180 Resp: 4124

Ion Ratio Lower Upper

180 100

182 88.5 75.6 113.4

145 29.5 24.8 37.2



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

