

Data File : VV009870.D
Acq On : 25 Mar 2019 19:09
Operator : SY/MD
Sample : K2070-10 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09D4

Quant Time: Mar 26 07:18:35 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	170184	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	167864	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71600	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82018	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.40%
7) Chloroethane-d5	1.56	69	93987	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.14%
11) 1,1-Dichloroethene-d2	2.13	63	174942	34.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.30%
21) 2-Butanone-d5	3.93	46	74302	95.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.80%
24) Chloroform-d	4.40	84	107808	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	5.08	65	74366	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
32) Benzene-d6	5.10	84	231699	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
36) 1,2-Dichloropropane-d6	6.12	67	72278	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.84%
41) Toluene-d8	7.36	98	210373	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%
43) trans-1,3-Dichloropropene-	7.66	79	26567	41.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.76%
47) 2-Hexanone-d5	8.14	63	55593	96.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.49%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	99964	43.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.64%
64) 1,2-Dichlorobenzene-d4	11.68	152	80447	48.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

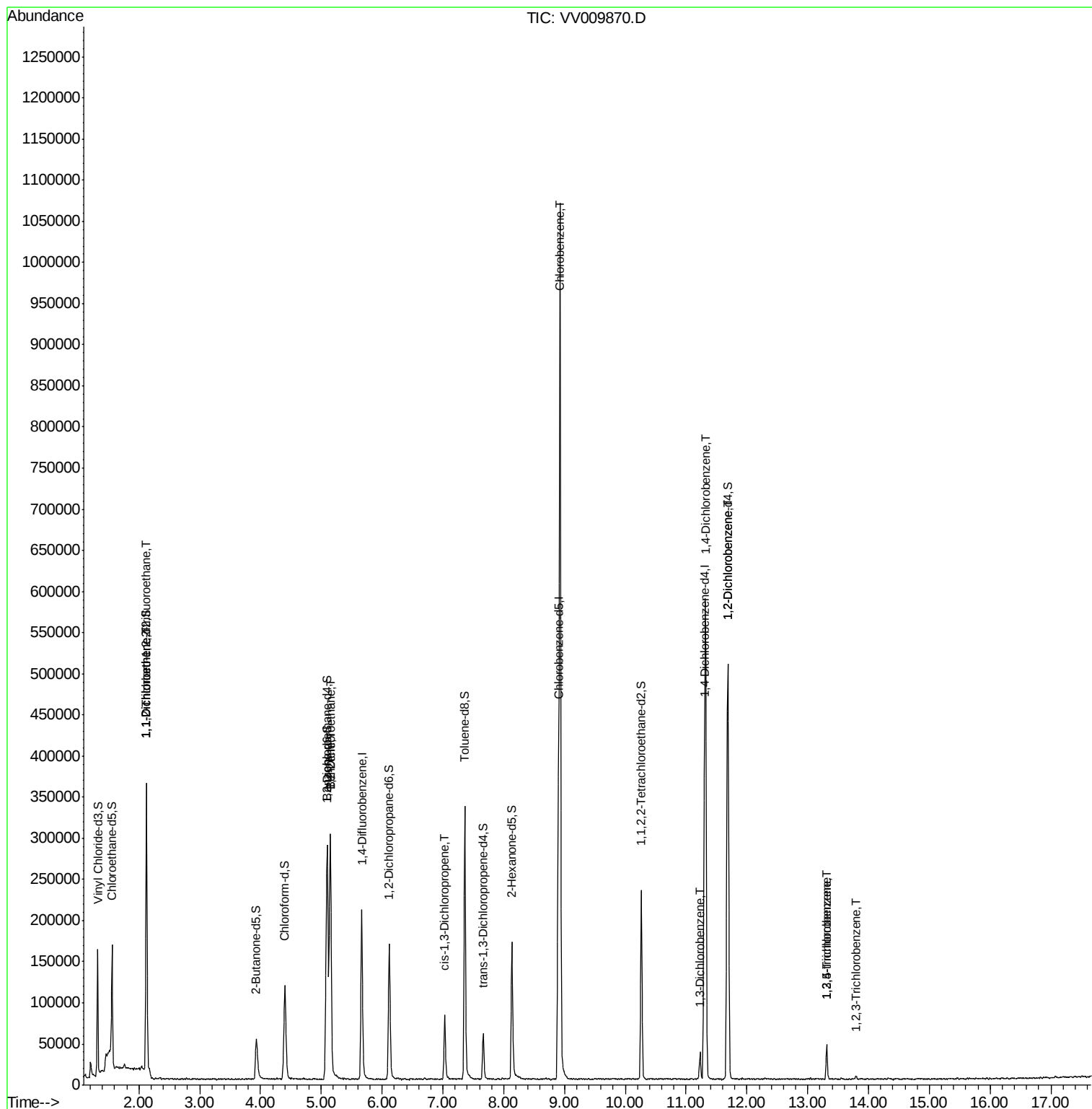
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1762	0.674	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1720	0.744	ug/L #	1
27) 1,2-Dichloroethane	5.15	62	2454	1.249	ug/L #	74
33) Benzene	5.15	78	287303	58.625	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	1428	0.787	ug/L #	75
51) Chlorobenzene	8.93	112	512823	138.125	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	11642	4.747	ug/L	93
63) 1,4-Dichlorobenzene	11.32	146	199938	77.752	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	144441	55.745	ug/L	98
67) 1,3,5-Trichlorobenzene	13.31	180	11535	6.893	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	11535	8.652	ug/L	93
70) 1,2,3-Trichlorobenzene	13.79	180	1239	0.919	ug/L #	82

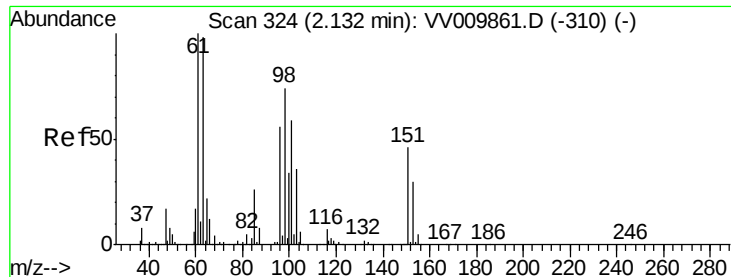
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.674 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009870.D

Acq: 25 Mar 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

C09D4

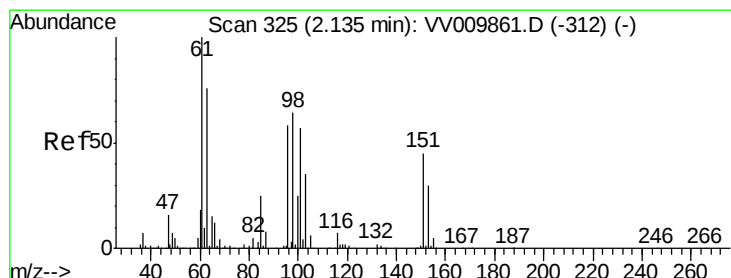
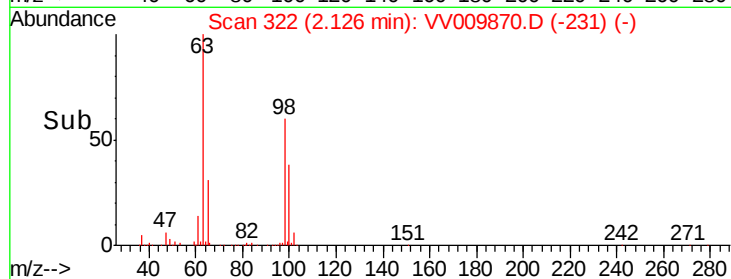
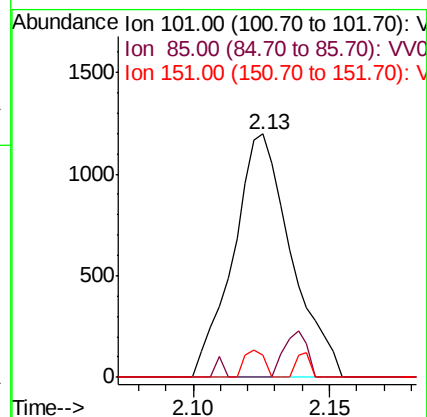
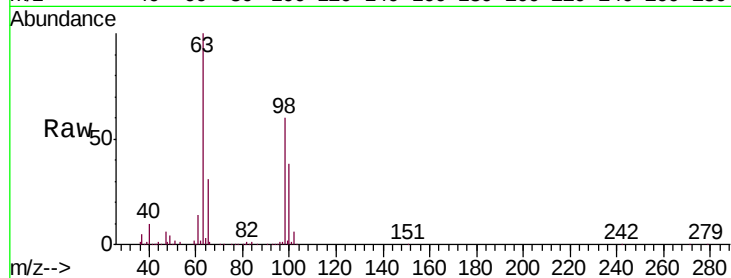
Tgt Ion:101 Resp: 1762

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.4#

151 3.9 65.4 98.2#



#12

1,1-Dichloroethene

Concen: 0.744 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.02 min

Lab File: VV009870.D

Acq: 25 Mar 2019 19:09

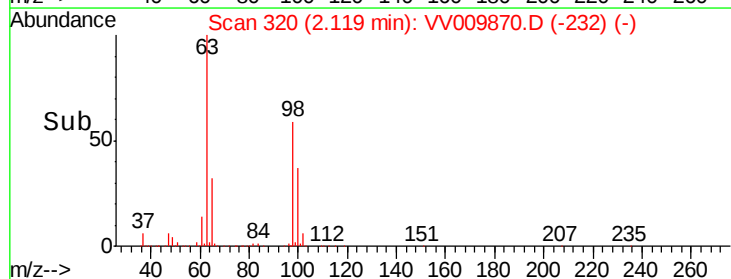
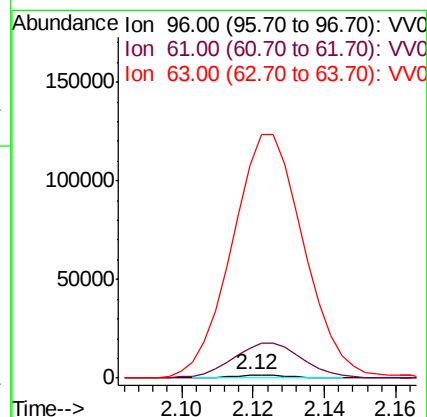
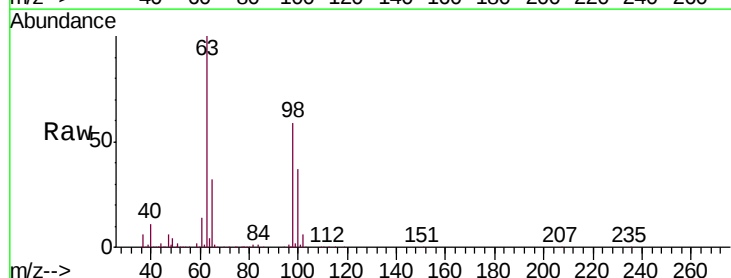
Tgt Ion: 96 Resp: 1720

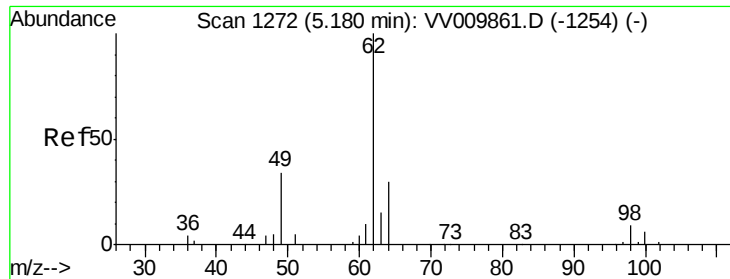
Ion Ratio Lower Upper

96 100

61 1008.7 125.3 232.7#

63 7088.5 109.7 203.7#

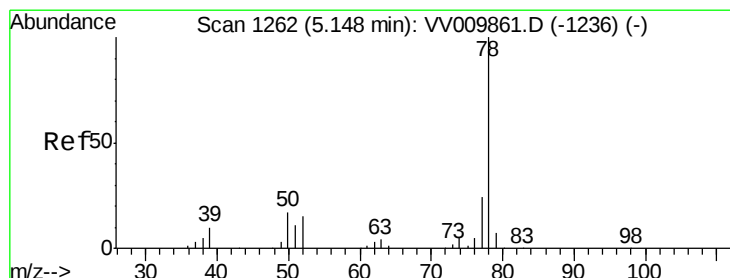
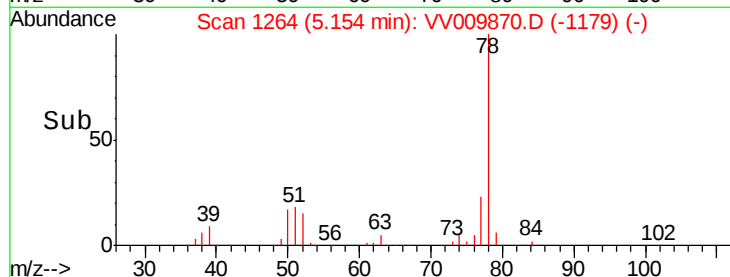
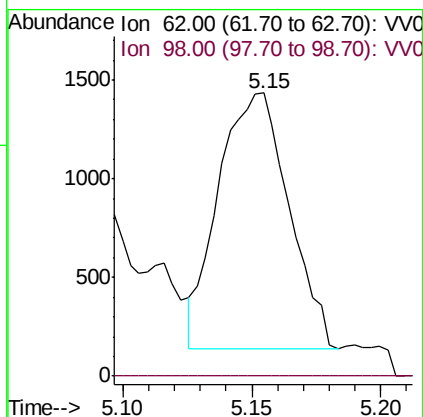
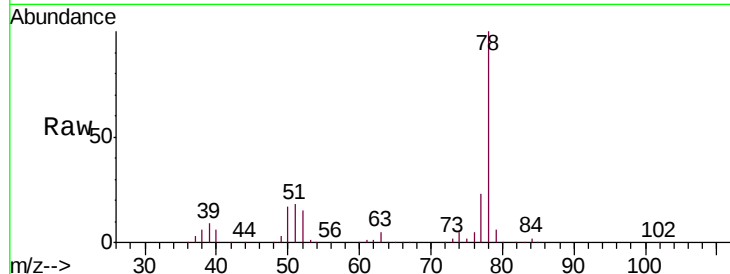




#27
 1,2-Dichloroethane
 Concen: 1.249 ug/L
 RT: 5.15 min Scan# 1264
 Delta R.T. -0.03 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

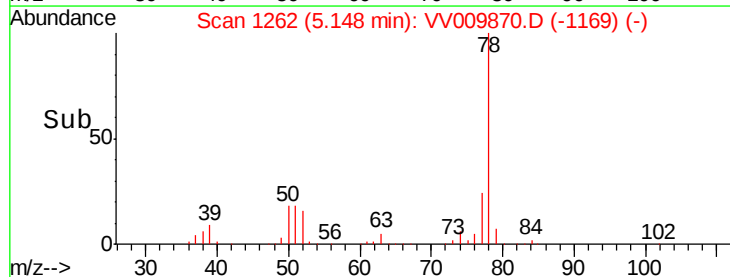
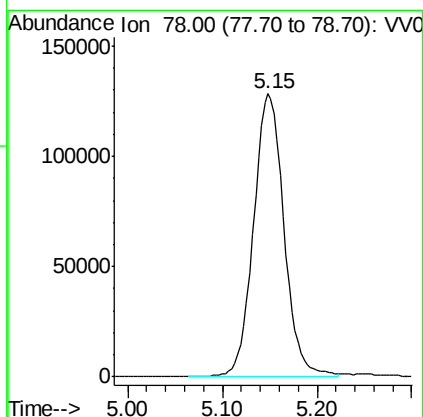
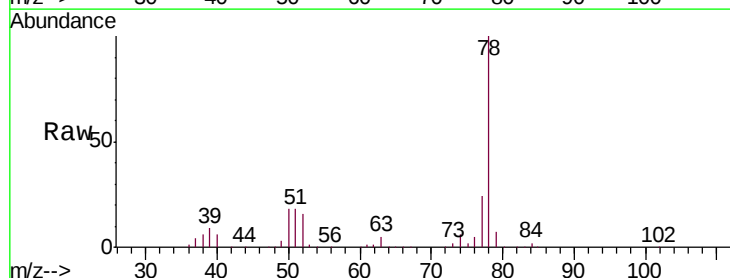
Instrument :
 MSVOA_V
 ClientSampleId :
 C09D4

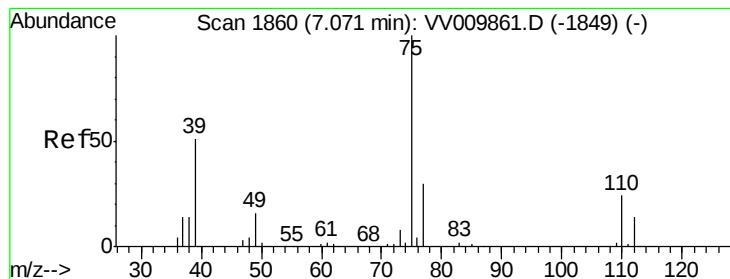
Tgt Ion: 62 Resp: 2454
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.2#



#33
 Benzene
 Concen: 58.625 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

Tgt Ion: 78 Resp: 287303



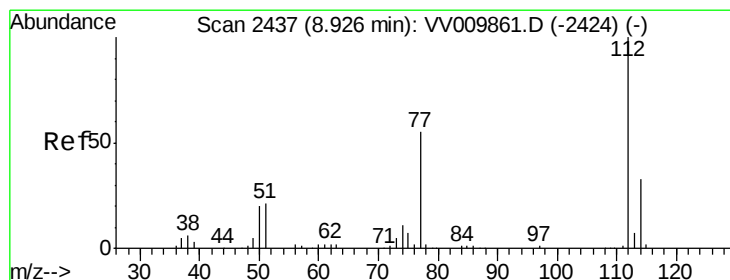
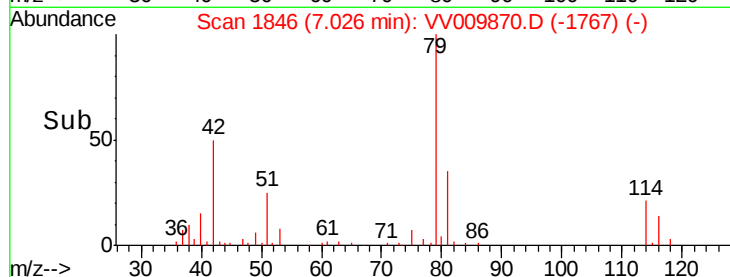
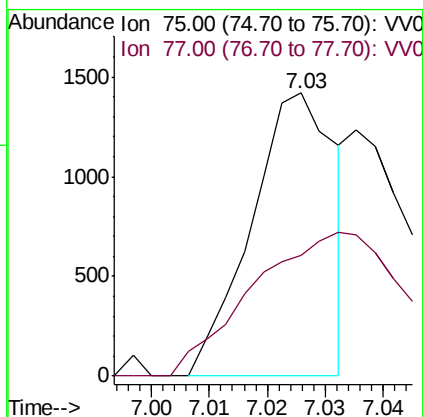
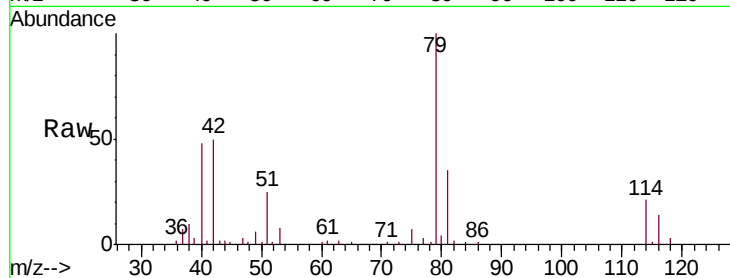


#39

cis-1,3-Dichloropropene
Concen: 0.787 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.04 min
Lab File: VV009870.D
Acq: 25 Mar 2019 19:09

Instrument :
MSVOA_V
ClientSampleId :
C09D4

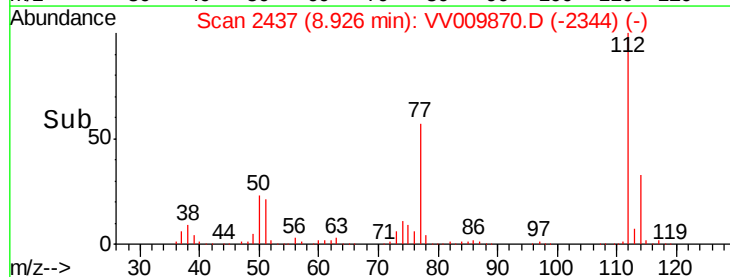
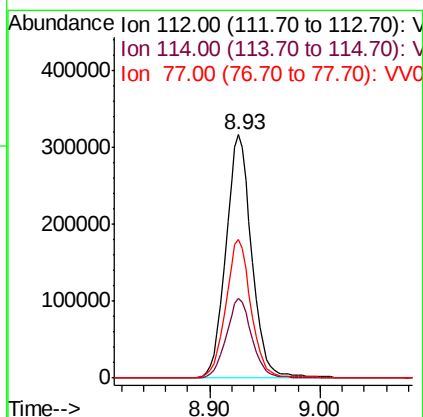
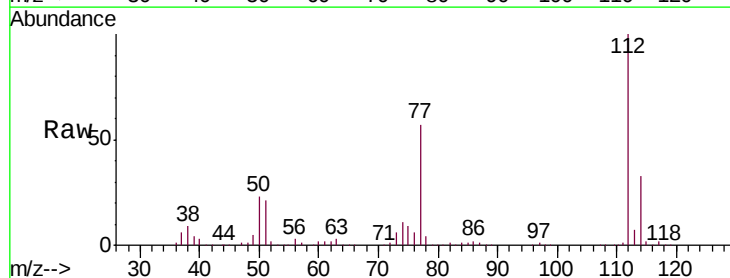
Tgt Ion: 75 Resp: 1428
Ion Ratio Lower Upper
75 100
77 42.8 20.5 38.1#

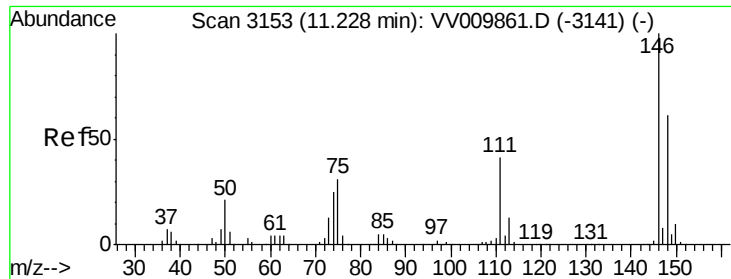


#51

Chlorobenzene
Concen: 138.125 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009870.D
Acq: 25 Mar 2019 19:09

Tgt Ion: 112 Resp: 512823
Ion Ratio Lower Upper
112 100
114 32.7 23.3 43.3
77 56.9 45.8 68.6

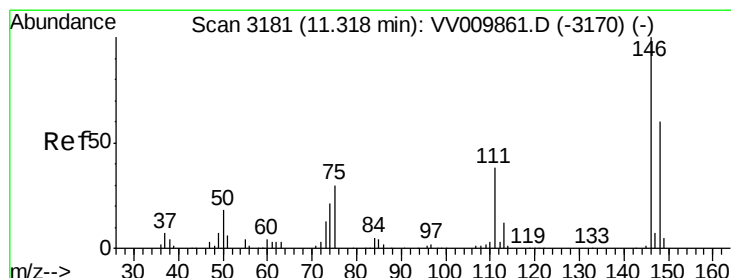
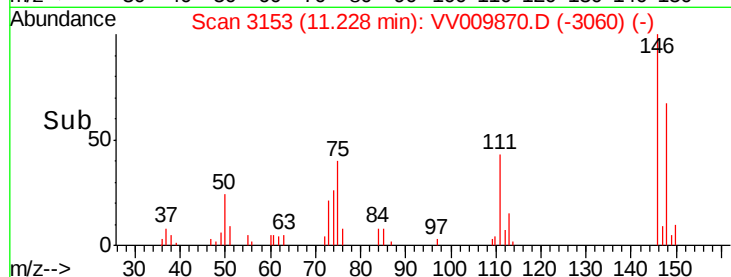
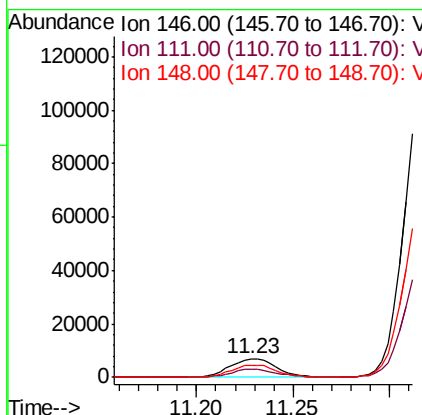
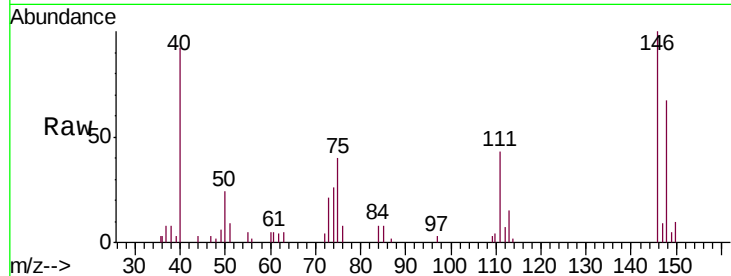




#62
 1,3-Dichlorobenzene
 Concen: 4.747 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

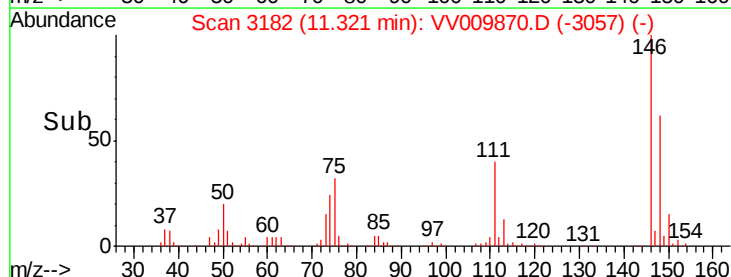
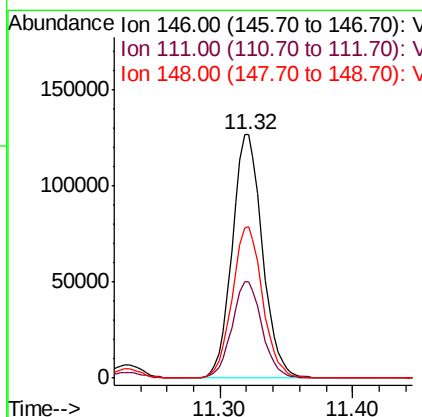
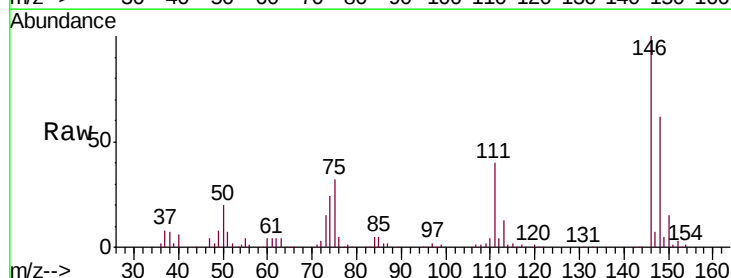
Instrument :
 MSVOA_V
 ClientSampleId :
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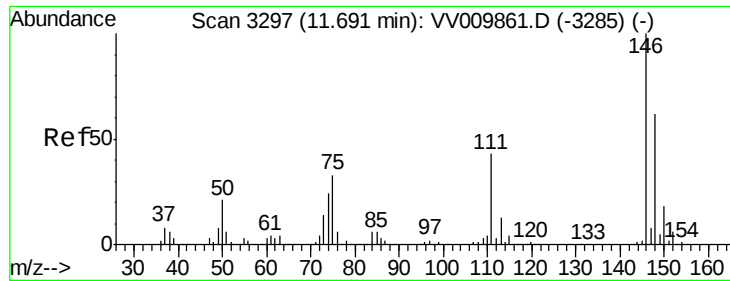
Tgt Ion:146 Resp: 11642
 Ion Ratio Lower Upper
 146 100
 111 42.6 27.5 51.1
 148 67.0 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 77.752 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

Tgt Ion:146 Resp: 199938
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.5 49.3
 148 62.3 43.2 80.2

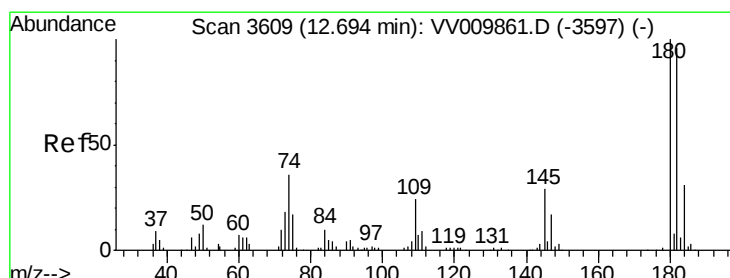
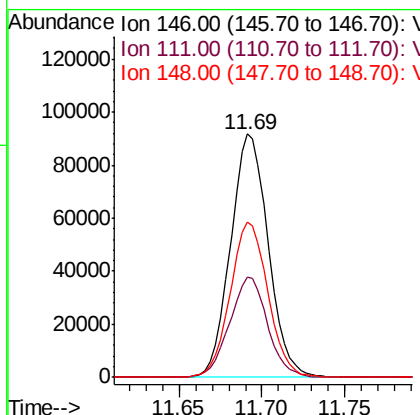
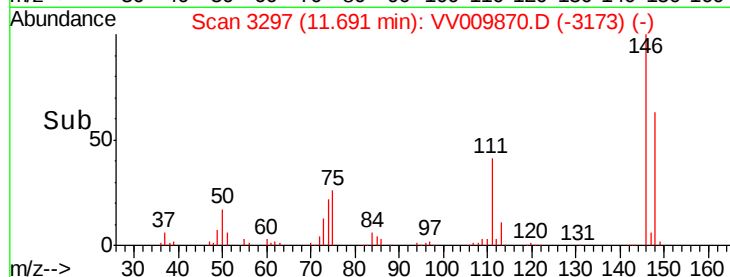
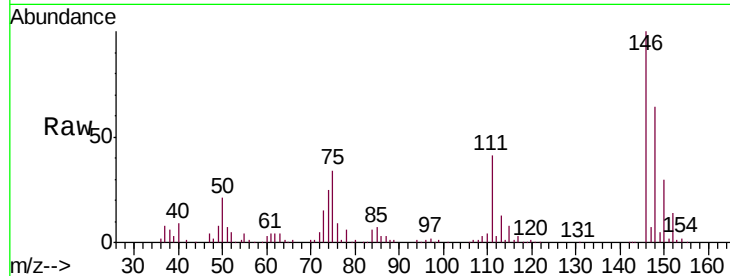




#65
 1,2-Dichlorobenzene
 Concen: 55.745 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

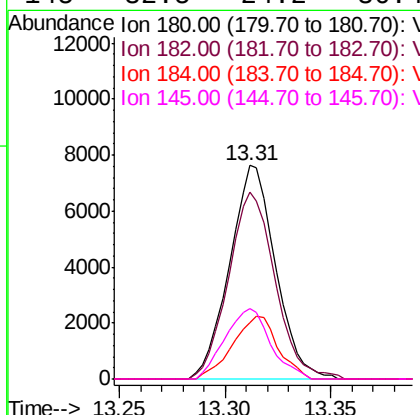
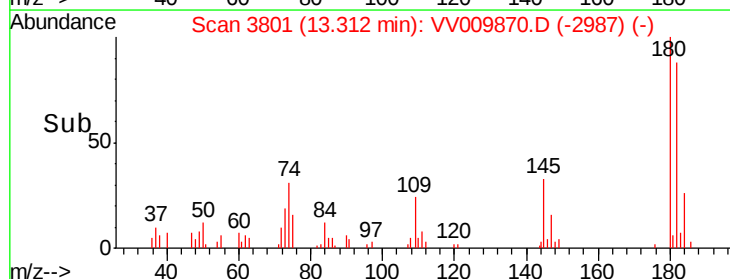
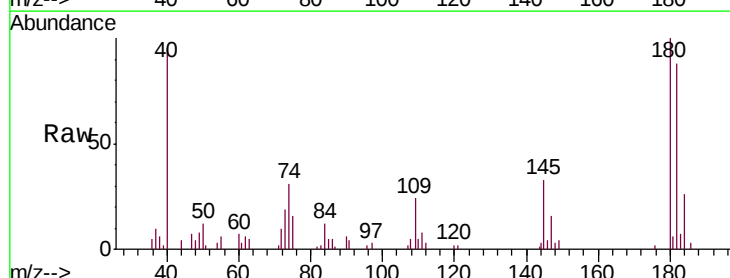
Instrument :
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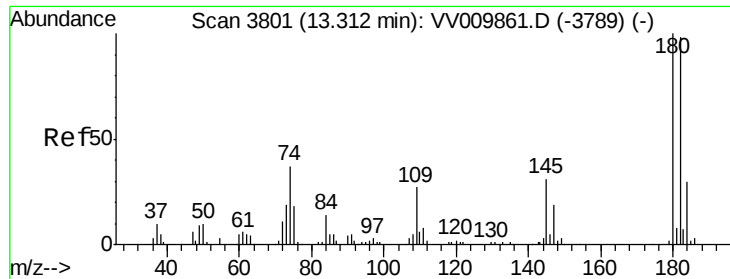
Tgt Ion:146 Resp: 144441
 Ion Ratio Lower Upper
 146 100
 111 40.9 33.0 49.6
 148 63.7 53.2 79.8



#67
 1,3,5-Trichlorobenzene
 Concen: 6.893 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

Tgt Ion:180 Resp: 11535
 Ion Ratio Lower Upper
 180 100
 182 88.7 75.0 112.6
 184 28.8 24.1 36.1
 145 32.5 24.2 36.4

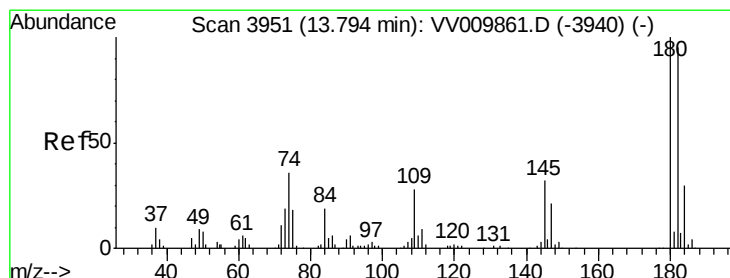
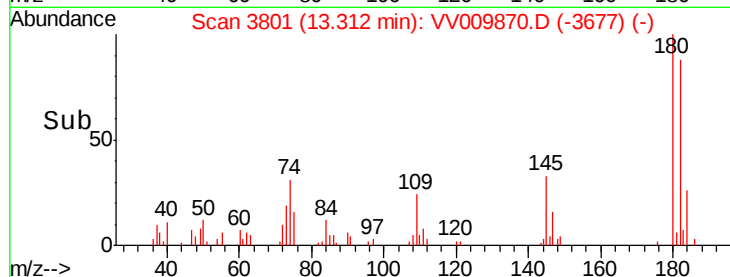
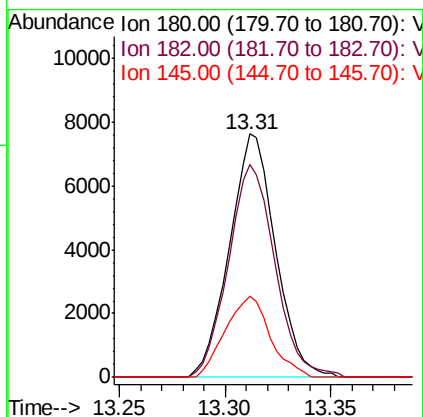
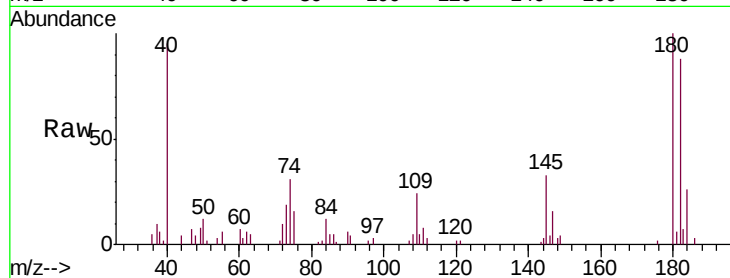




#68
 1,2,4-trichlorobenzene
 Concen: 8.652 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 C09D4

Tgt Ion:180 Resp: 11535
 Ion Ratio Lower Upper
 180 100
 182 88.7 77.1 115.7
 145 32.5 24.3 36.5



#70
 1,2,3-Trichlorobenzene
 Concen: 0.919 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009870.D
 Acq: 25 Mar 2019 19:09

Tgt Ion:180 Resp: 1239
 Ion Ratio Lower Upper
 180 100
 182 77.1 75.6 113.4
 145 21.2 24.8 37.2#

