

Data File : VV009761.D
Acq On : 18 Mar 2019 16:11
Operator : SY/MD
Sample : K1967-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09A9

Quant Time: Mar 19 04:34:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 12:32:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	153486	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	146938	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74888	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42394	40.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.94%
7) Chloroethane-d5	1.56	69	34800	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.16%
11) 1,1-Dichloroethene-d2	2.12	63	70720	32.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.18%
21) 2-Butanone-d5	3.93	46	55451	89.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.96%
24) Chloroform-d	4.40	84	82437	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.72%
26) 1,2-Dichloroethane-d4	5.08	65	52664	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.28%
32) Benzene-d6	5.10	84	177952	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
36) 1,2-Dichloropropane-d6	6.12	67	53488	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.52%
41) Toluene-d8	7.36	98	169098	45.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.54%
43) trans-1,3-Dichloropropene-	7.66	79	24949	45.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.26%
47) 2-Hexanone-d5	8.14	63	42045	88.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.37%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	76507	43.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.28%
64) 1,2-Dichlorobenzene-d4	11.68	152	68056	44.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.82%

Target Compounds

						Qvalue
8) Chloroethane	1.21	64	78599	113.482	ug/L #	48
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	603	0.571	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	644	0.704	ug/L #	1
13) Acetone	2.19	43	2730	4.676	ug/L	93
31) Carbon tetrachloride	4.88	117	2167	1.640	ug/L #	70
33) Benzene	5.15	78	1282141	319.696	ug/L	100
37) 1,2-Dichloropropane	6.12	63	6177	6.040	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1784	1.142	ug/L #	67
44) trans-1,3-Dichloropropene	7.66	75	1258	0.850	ug/L	88
51) Chlorobenzene	8.94	112	7347141	2448.366	ug/L	92
62) 1,3-Dichlorobenzene	11.23	146	504681	205.418	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	2161565	872.089	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	2268145	904.779	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.44	75	7814	22.441	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.69	180	3414	2.185	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	1426221	1302.342	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	340078	309.765	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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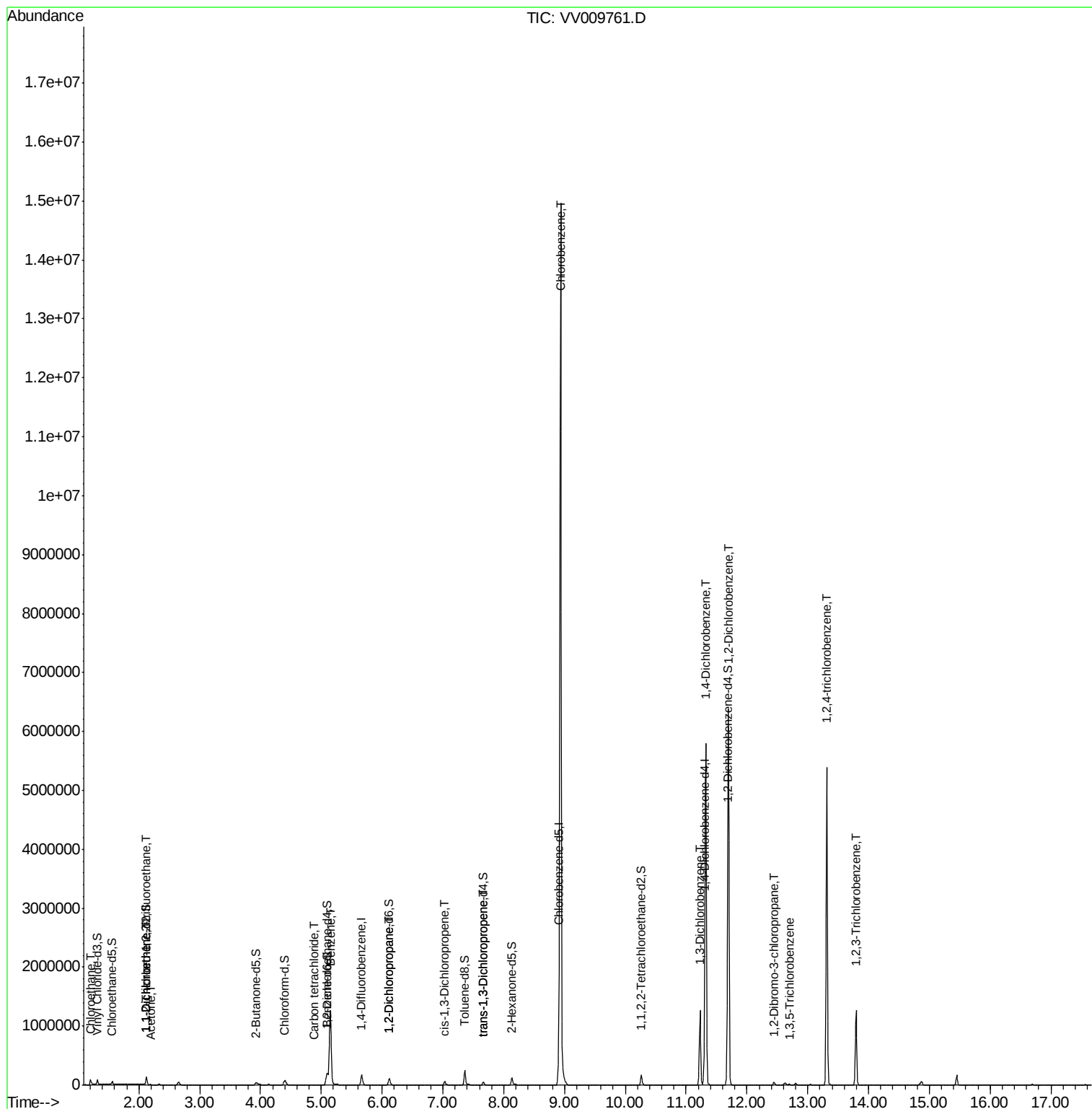
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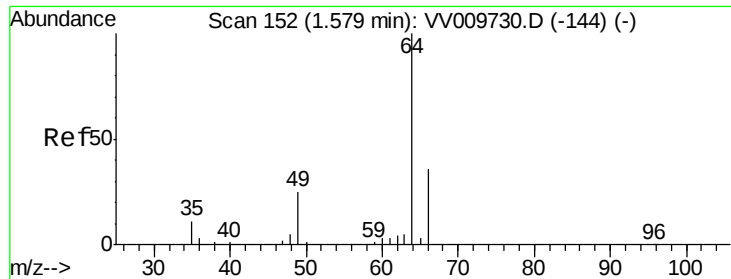
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 113.482 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.37 min

Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

Instrument :

MSVOA_V

ClientSampleId :

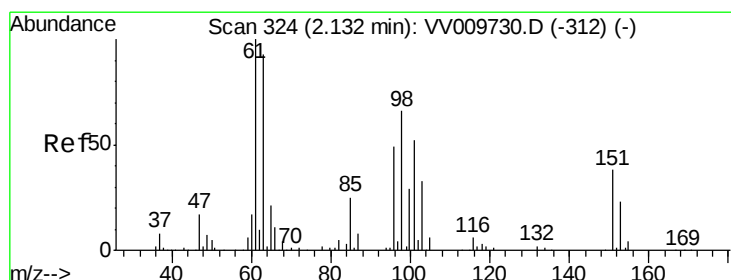
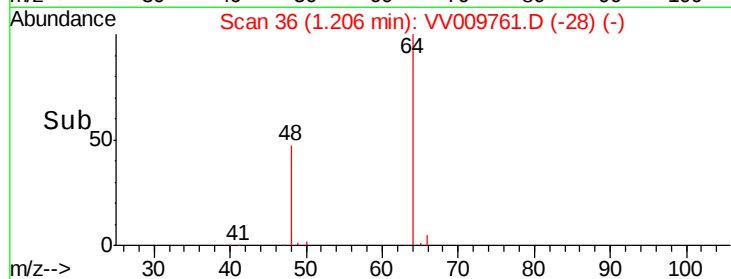
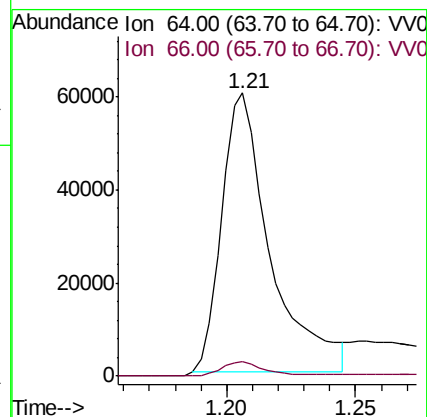
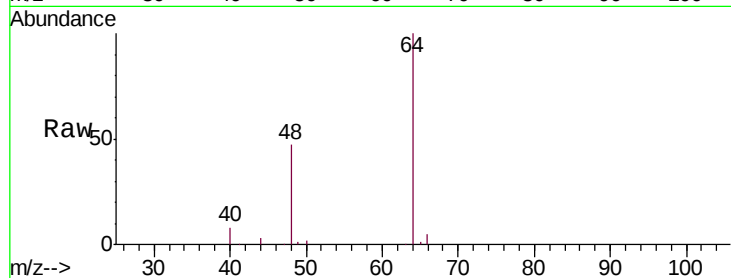
C09A9

Tgt Ion: 64 Resp: 78599

Ion Ratio Lower Upper

64 100

66 5.0 24.5 45.5#



#10

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

Concen: 0.571 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

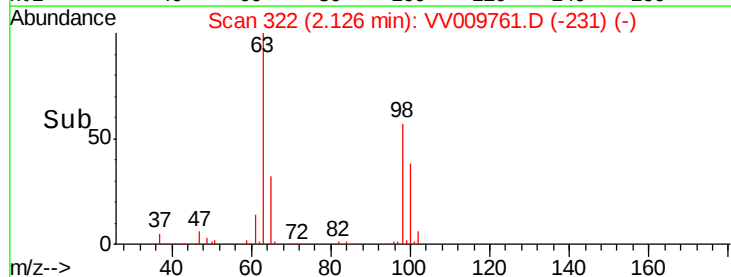
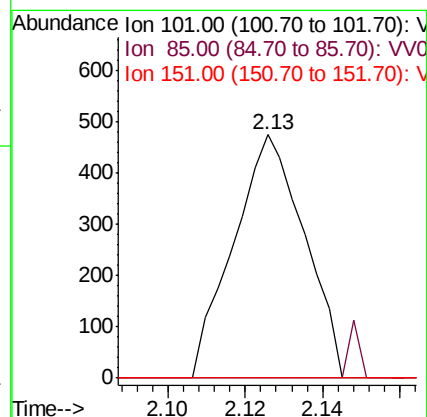
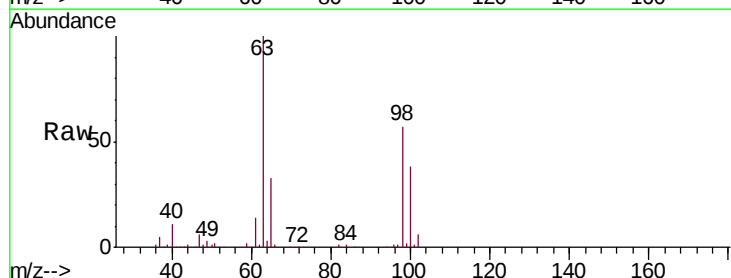
Tgt Ion: 101 Resp: 603

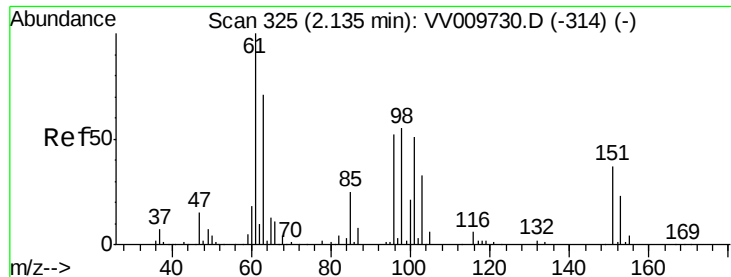
Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

151 0.0 58.9 88.3#





#12

1,1-Dichloroethene

Concen: 0.704 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

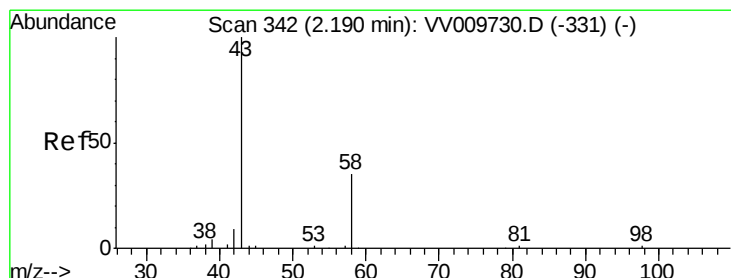
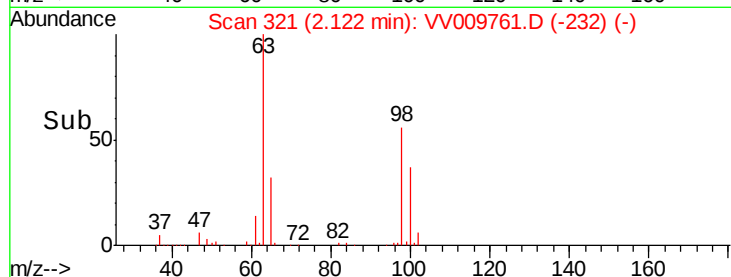
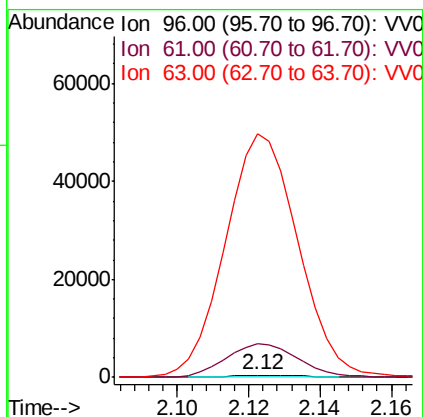
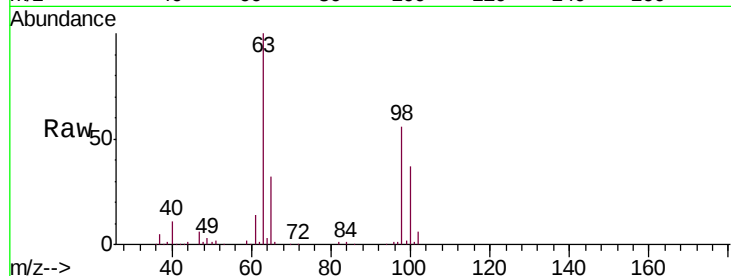
Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

Instrument :
MSVOA_V
ClientSampleId :
C09A9

Tgt Ion: 96 Resp: 644

Ion	Ratio	Lower	Upper
96	100		
61	1575.3	135.5	251.7#
63	11454.4	100.2	186.2#



#13

Acetone

Concen: 4.676 ug/L

RT: 2.19 min Scan# 342

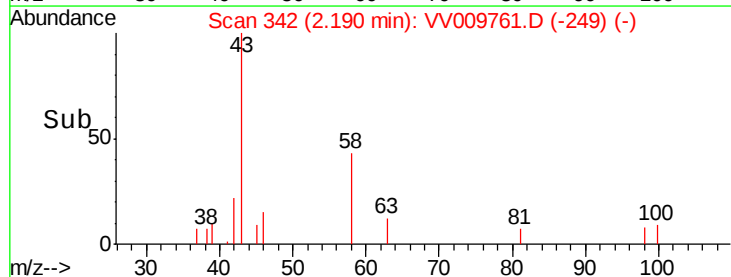
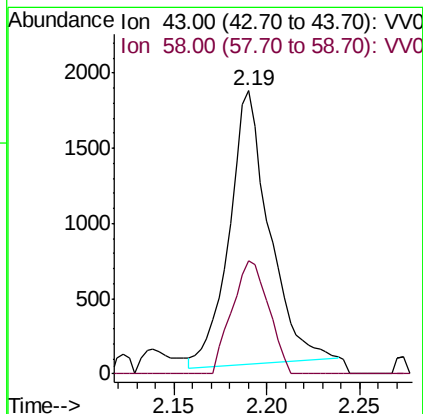
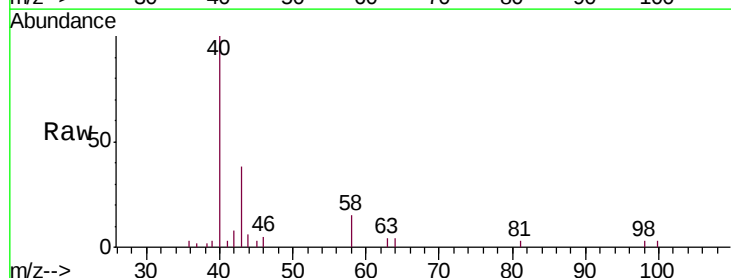
Delta R.T. -0.00 min

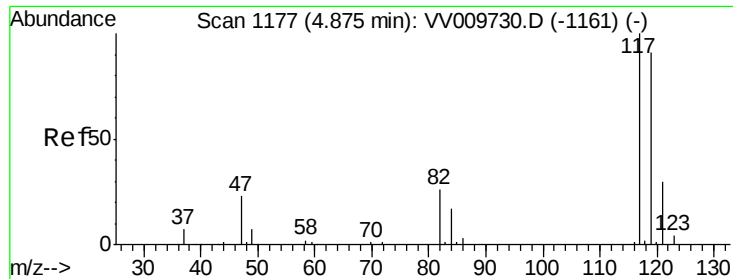
Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

Tgt Ion: 43 Resp: 2730

Ion	Ratio	Lower	Upper
43	100		
58	37.8	0.0	67.8





#31

Carbon tetrachloride

Concen: 1.640 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

Instrument :

MSVOA_V

ClientSampleId :

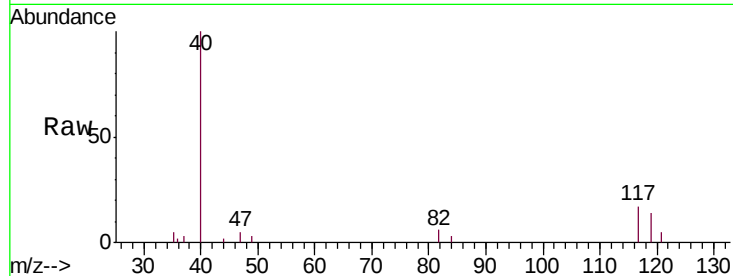
C09A9

Tgt Ion:117 Resp: 2167

Ion Ratio Lower Upper

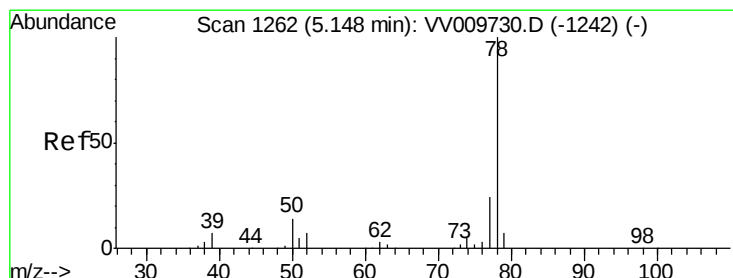
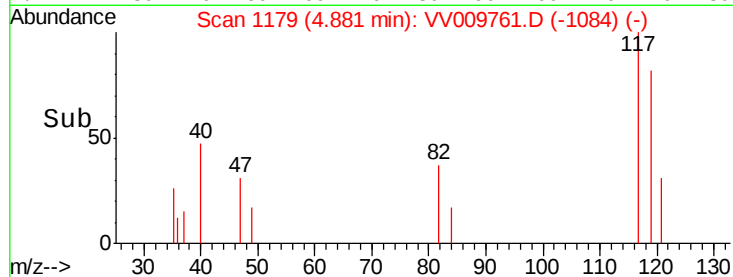
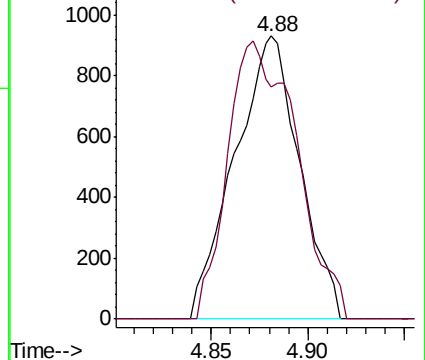
117 100

119 64.2 74.9 112.3#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 319.696 ug/L

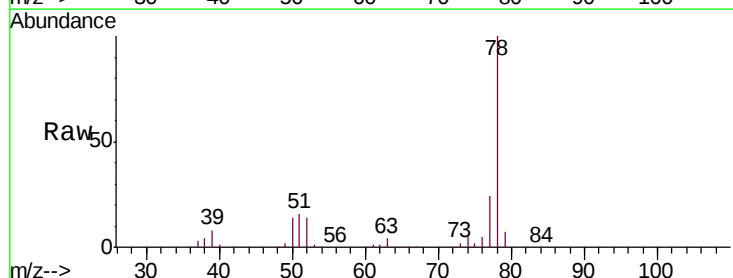
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

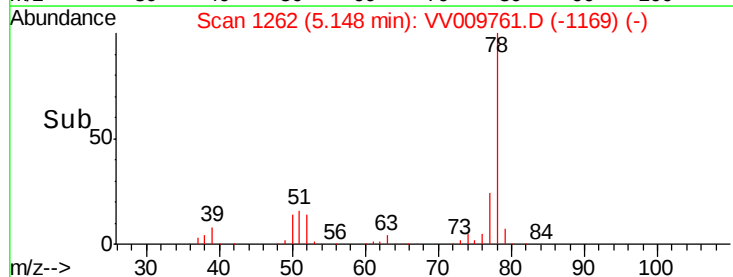
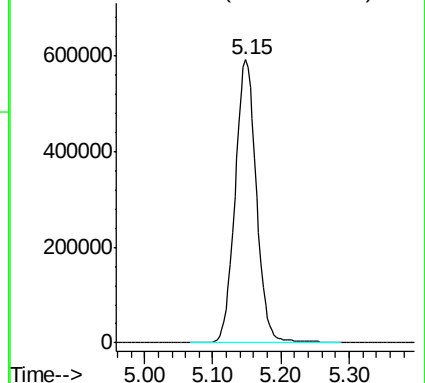
Lab File: VV009761.D

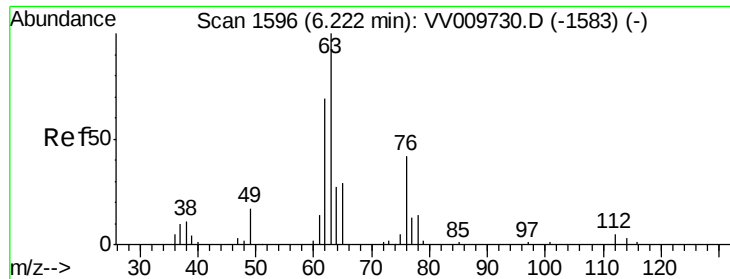
Acq: 18 Mar 2019 16:11

Tgt Ion: 78 Resp: 1282141



Abundance Ion 78.00 (77.70 to 78.70): VV0

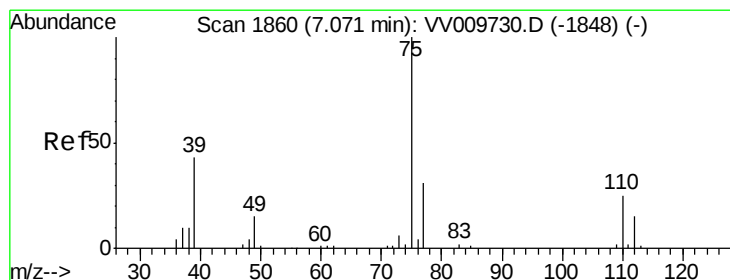
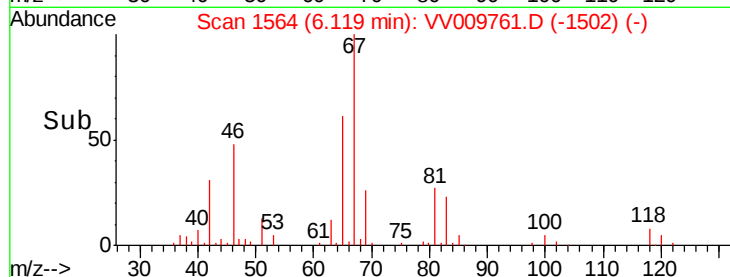
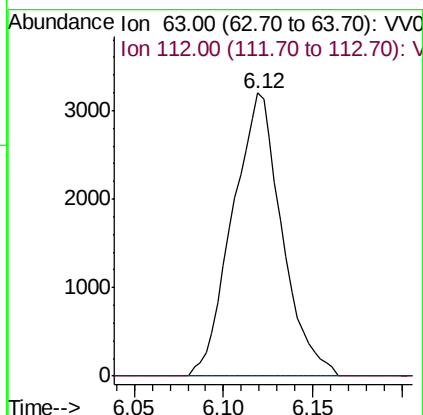
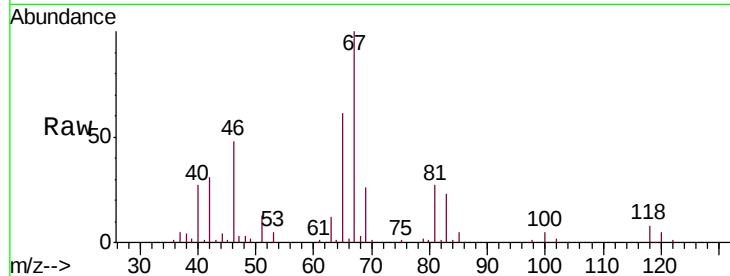




#37
 1,2-Dichloropropane
 Concen: 6.040 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009761.D
 Acq: 18 Mar 2019 16:11

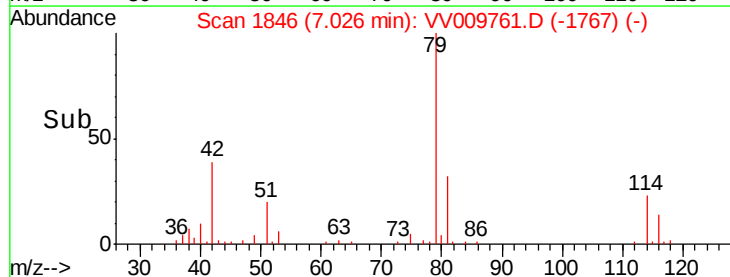
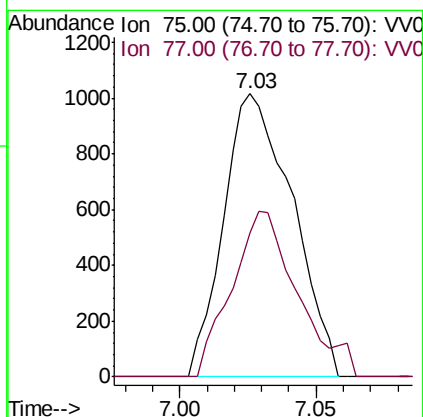
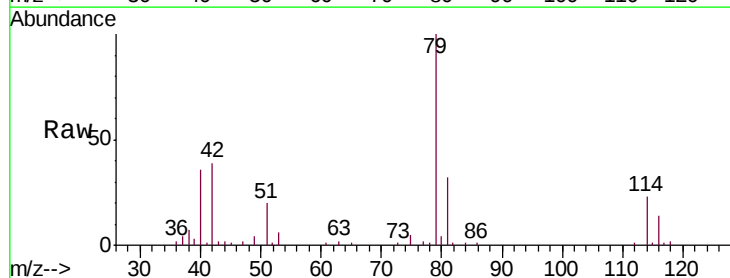
Instrument :
 MSVOA_V
 ClientSampleId :
 C09A9

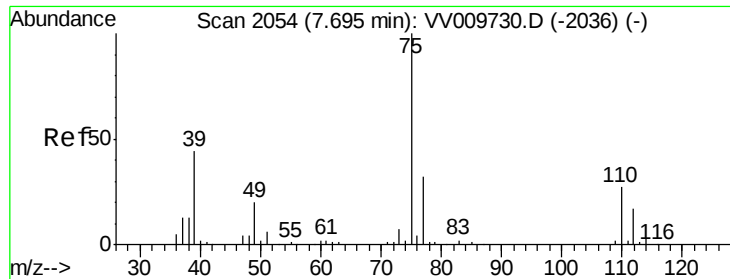
Tgt Ion: 63 Resp: 6177
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 1.142 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV009761.D
 Acq: 18 Mar 2019 16:11

Tgt Ion: 75 Resp: 1784
 Ion Ratio Lower Upper
 75 100
 77 50.6 22.4 41.6#





#44

trans-1,3-Dichloropropene

Concen: 0.850 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

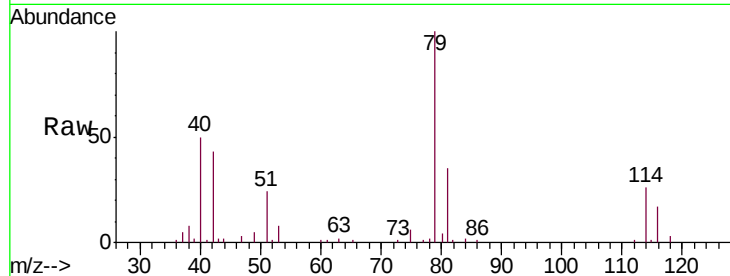
Instrument :
MSVOA_V
ClientSampleId :
C09A9

Tgt Ion: 75 Resp: 1258

Ion Ratio Lower Upper

75 100

77 25.3 22.5 41.7

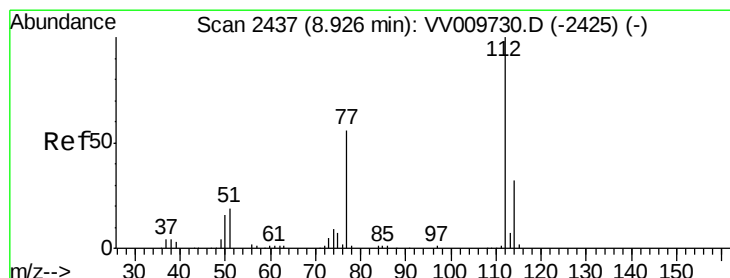
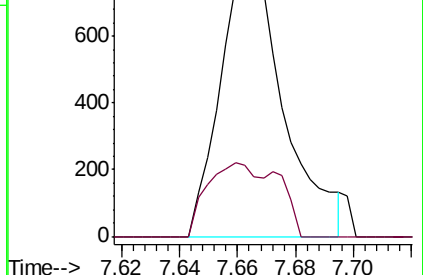
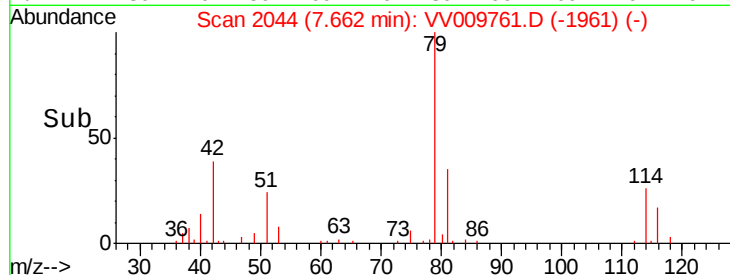


Abundance Ion 75.00 (74.70 to 75.70): VV009730.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009730.D (-2036) (-)

7.66

Time-->



#51

Chlorobenzene

Concen: 2448.366 ug/L

RT: 8.94 min Scan# 2440

Delta R.T. 0.01 min

Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

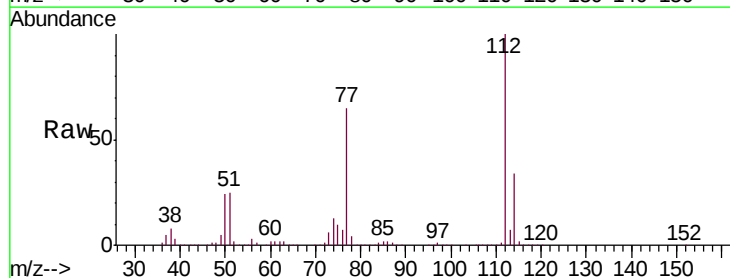
Tgt Ion: 112 Resp: 7347141

Ion Ratio Lower Upper

112 100

114 33.7 22.5 41.9

77 64.7 45.4 68.2



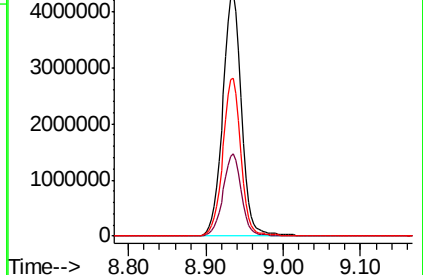
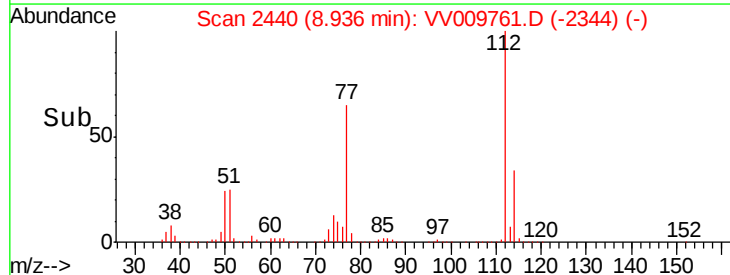
Abundance Ion 112.00 (111.70 to 112.70): VV009730.D (-2425) (-)

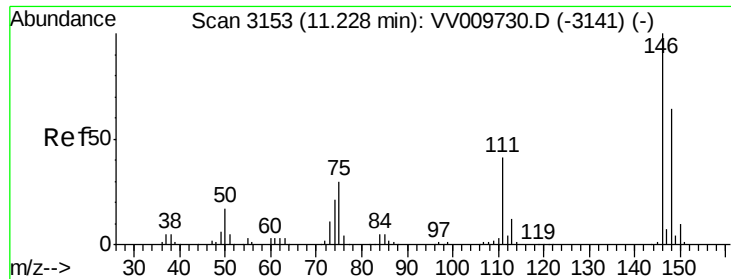
Ion 114.00 (113.70 to 114.70): VV009730.D (-2425) (-)

Ion 77.00 (76.70 to 77.70): VV009730.D (-2425) (-)

8.94

Time-->





#62

1,3-Dichlorobenzene

Concen: 205.418 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

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C09A9

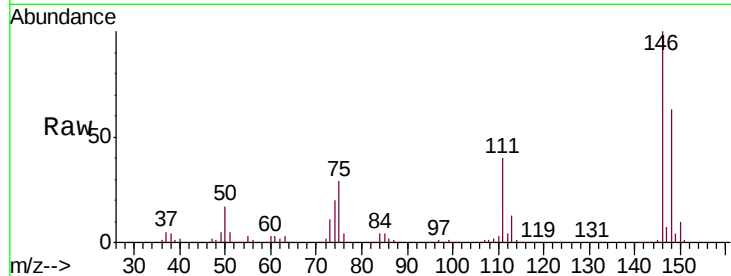
Tgt Ion:146 Resp: 504681

Ion Ratio Lower Upper

146 100

111 39.9 28.8 53.4

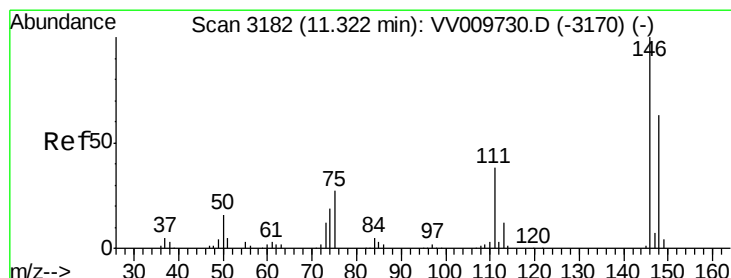
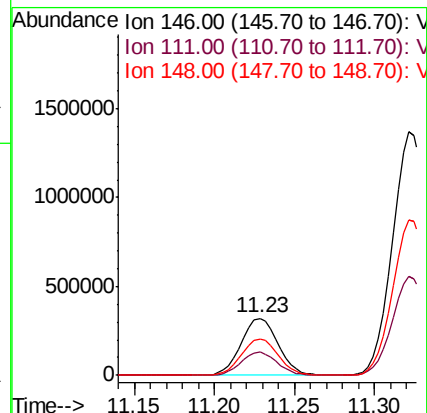
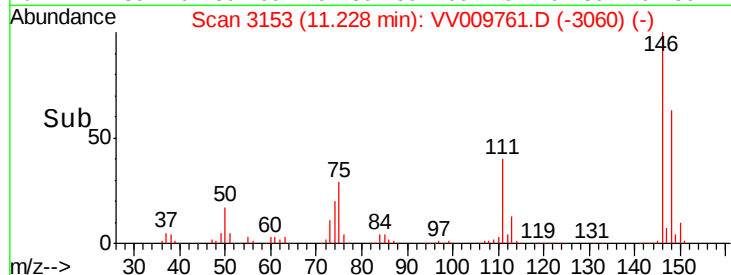
148 63.5 44.8 83.2



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



#63

1,4-Dichlorobenzene

Concen: 872.089 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

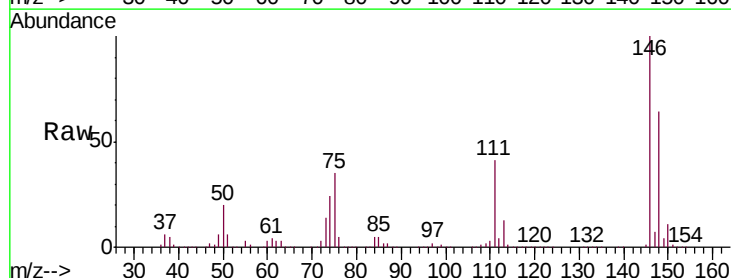
Tgt Ion:146 Resp: 2161565

Ion Ratio Lower Upper

146 100

111 40.8 26.7 49.5

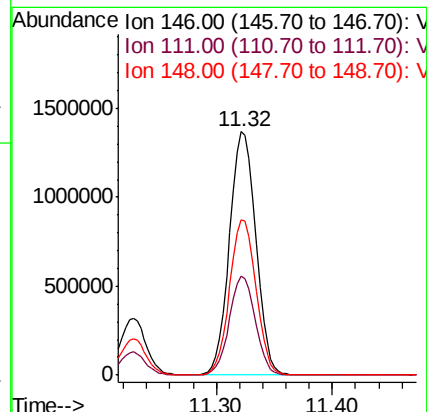
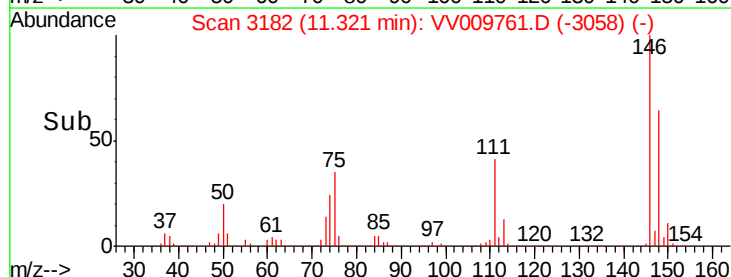
148 63.8 44.3 82.3

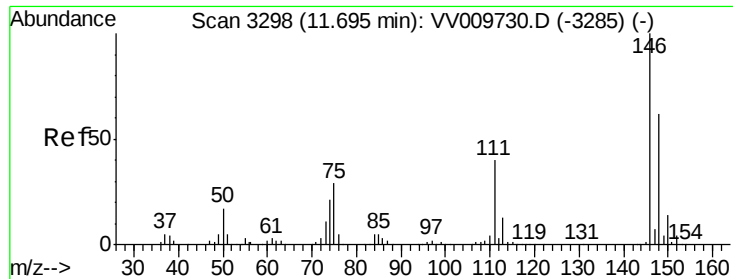


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 904.779 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

Instrument :

MSVOA_V

ClientSampleId :

C09A9

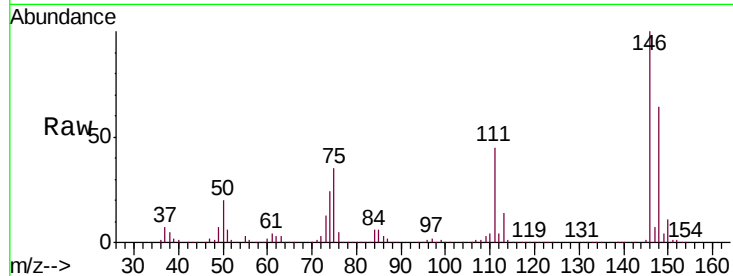
Tgt Ion:146 Resp: 2268145

Ion Ratio Lower Upper

146 100

111 44.6 32.2 48.4

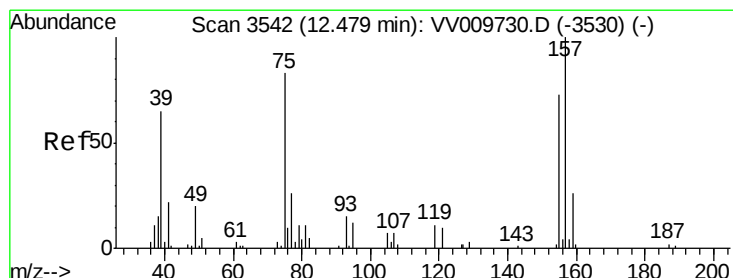
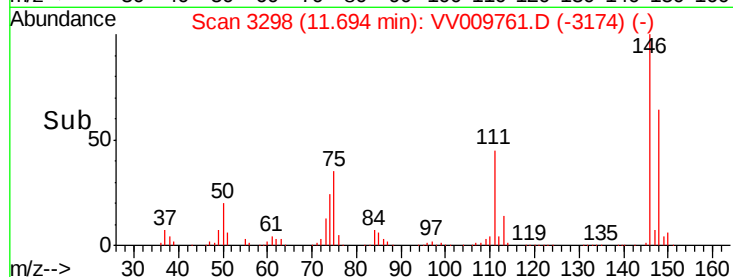
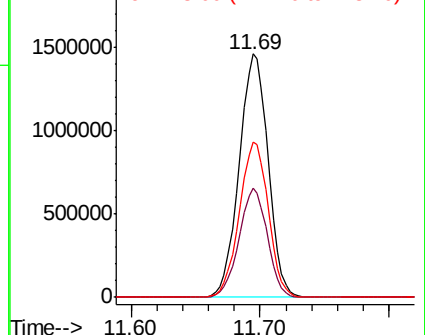
148 63.6 49.6 74.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 22.441 ug/L

RT: 12.44 min Scan# 3531

Delta R.T. -0.04 min

Lab File: VV009761.D

Acq: 18 Mar 2019 16:11

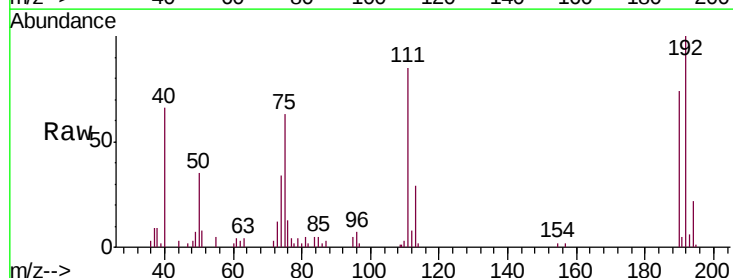
Tgt Ion: 75 Resp: 7814

Ion Ratio Lower Upper

75 100

155 0.0 70.3 105.5#

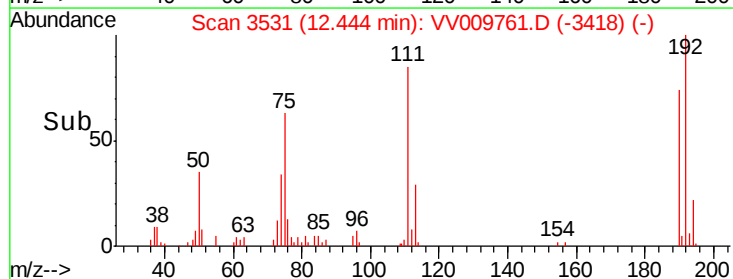
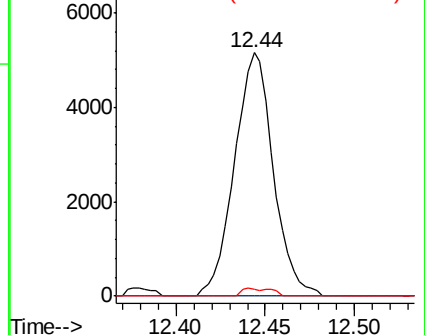
157 2.9 96.8 145.2#

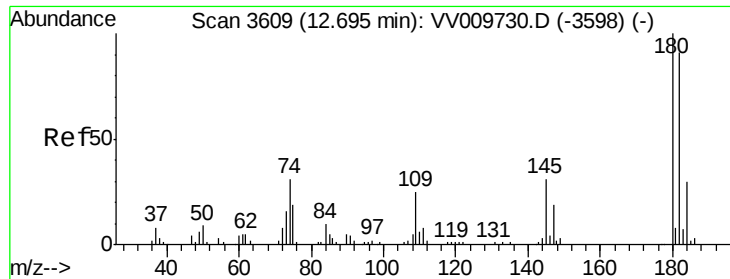


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

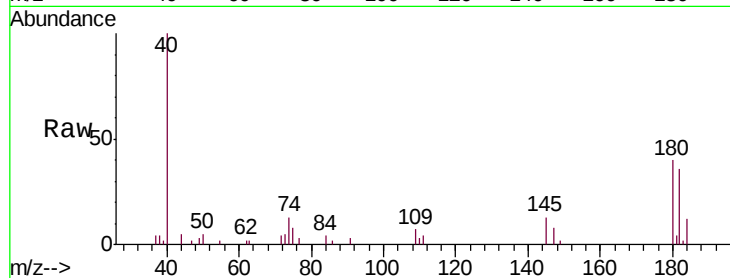




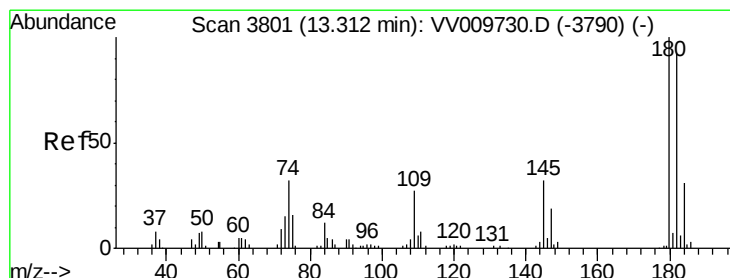
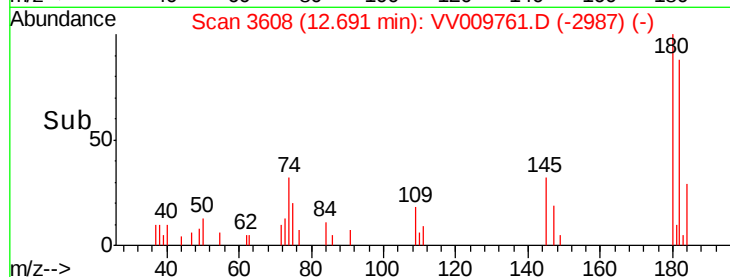
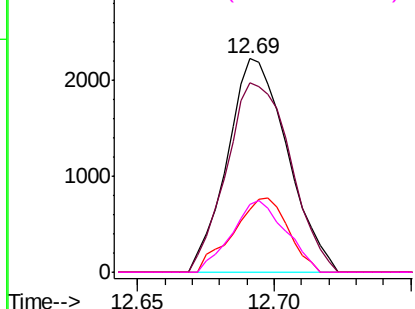
#67
 1,3,5-Trichlorobenzene
 Concen: 2.185 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV009761.D
 Acq: 18 Mar 2019 16:11

Instrument :
 MSVOA_V
 ClientSampleId :
 C09A9

Tgt Ion:180 Resp: 3414
 Ion Ratio Lower Upper
 180 100
 182 94.2 73.9 110.9
 184 31.7 23.4 35.2
 145 30.1 24.6 37.0

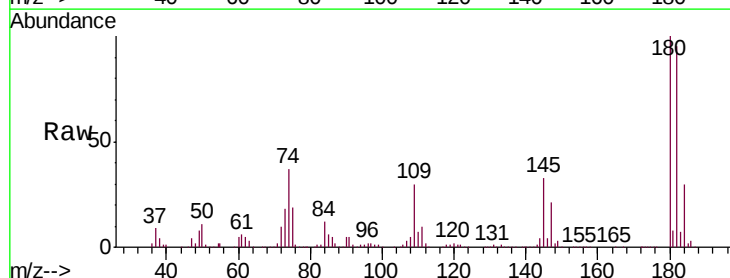


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

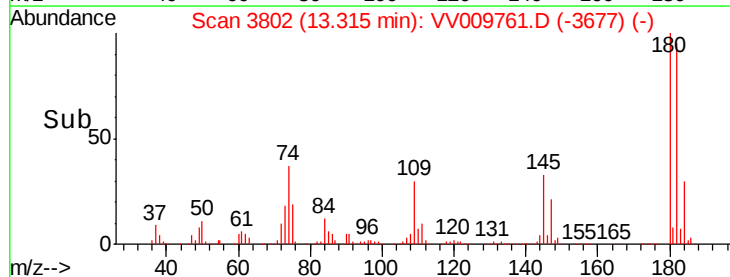
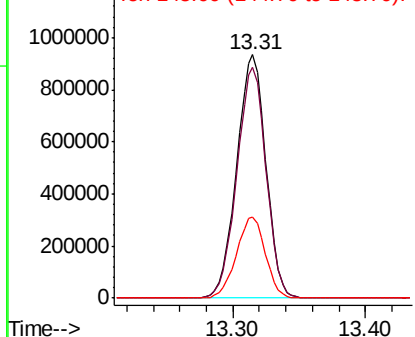


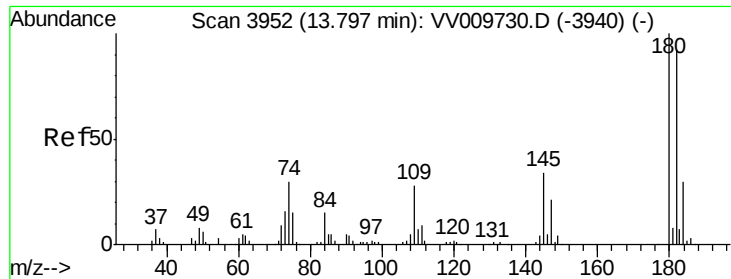
#68
 1,2,4-trichlorobenzene
 Concen: 1302.342 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009761.D
 Acq: 18 Mar 2019 16:11

Tgt Ion:180 Resp: 1426221
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.7 113.5
 145 32.9 25.3 37.9



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: 309.765 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. -0.00 min
 Lab File: VV009761.D
 Acq: 18 Mar 2019 16:11

Instrument :
 MSVOA_V
 ClientSampleId :
 C09A9

Tgt Ion	Resp	Lower	Upper
180	340078		
182	95.4	73.3	109.9
145	34.8	26.4	39.6

