

Data File : VV008718.D
Acq On : 26 Nov 2018 17:24
Operator : SY/MD
Sample : VIBLK50
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK50

Quant Time: Nov 27 03:14:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 27 03:11:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	299249	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	266698	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	111618	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78674	37.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.54%
7) Chloroethane-d5	1.56	69	32144	27.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	55.74%#
11) 1,1-Dichloroethene-d2	2.11	63	103812	29.79	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.58%#
21) 2-Butanone-d5	3.94	46	115031	66.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	66.85%
24) Chloroform-d	4.40	84	163164	38.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.32%
26) 1,2-Dichloroethane-d4	5.08	65	111720	40.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.70%
32) Benzene-d6	5.10	84	353974	42.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.34%
36) 1,2-Dichloropropane-d6	6.12	67	111713	43.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.16%
41) Toluene-d8	7.36	98	310068	41.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.28%
43) trans-1,3-Dichloropropene-	7.66	79	44159	38.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.14%
47) 2-Hexanone-d5	8.14	63	87419	74.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.55%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	132235	37.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.76%
64) 1,2-Dichlorobenzene-d4	11.68	152	106827	43.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.70%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	7883	3.358	ug/L	93
6) Bromomethane	1.52	94	1795	2.335	ug/L	90
9) Trichlorofluoromethane	2.12	101	1123	0.383	ug/L #	37
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1123	0.663	ug/L #	17
12) 1,1-Dichloroethene	2.12	96	921	0.606	ug/L #	1
35) Methylcyclohexane	6.12	83	25937	6.913	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	12321	5.320	ug/L #	94
39) cis-1,3-Dichloropropene	7.03	75	2889	0.878	ug/L #	68
44) trans-1,3-Dichloropropene	7.67	75	1918	0.641	ug/L	89
51) Chlorobenzene	8.93	112	22805	4.020	ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	18587	6.336	ug/L	93
62) 1,3-Dichlorobenzene	11.23	146	2034	0.544	ug/L	89
63) 1,4-Dichlorobenzene	11.32	146	19095	5.009	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	17335	4.490	ug/L	98
67) 1,3,5-Trichlorobenzene	13.31	180	2549	0.979	ug/L #	94
68) 1,2,4-trichlorobenzene	13.31	180	2549	1.290	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112618\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Nov 27 03:11:05 2018
Response via : Initial Calibration

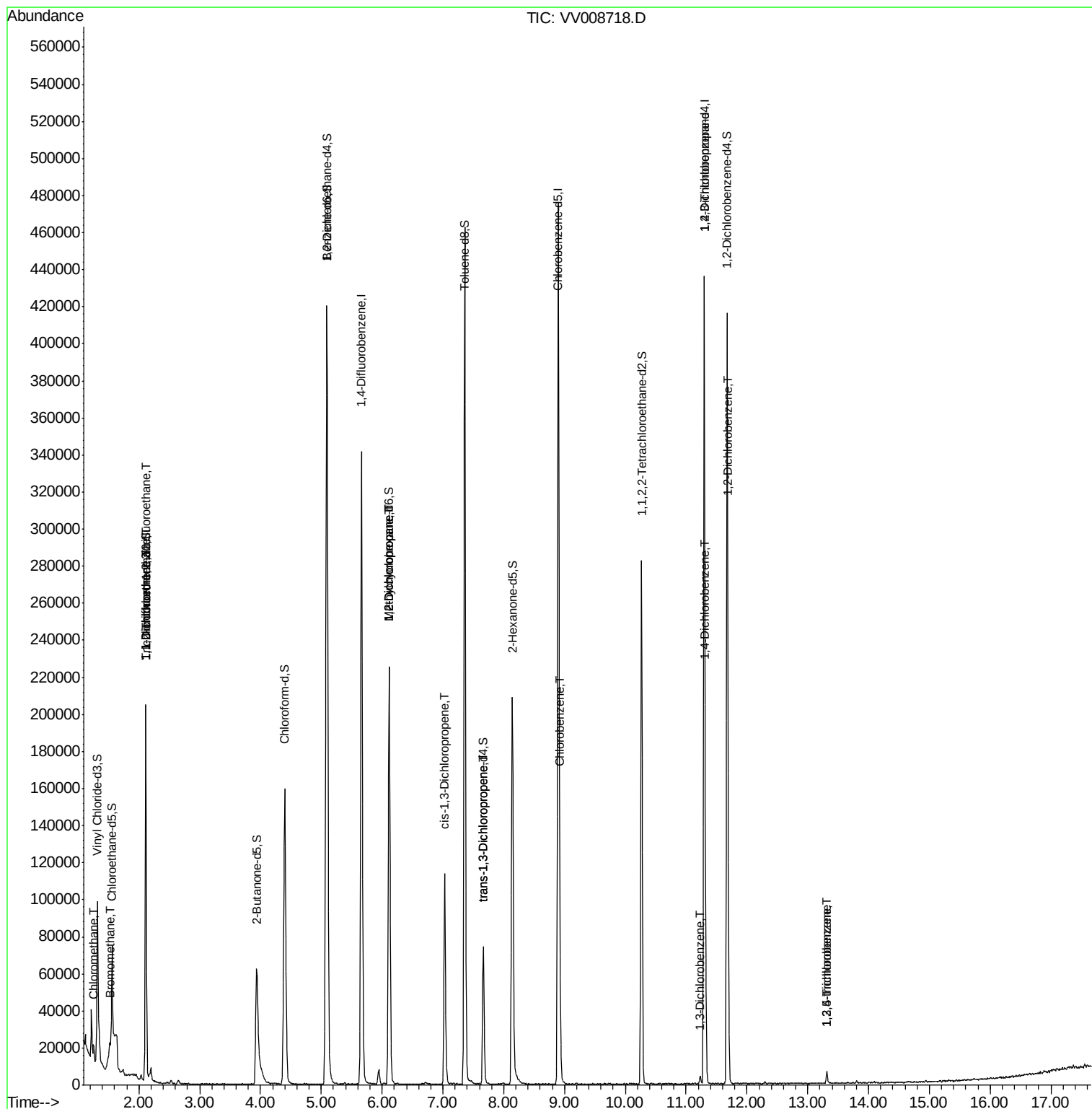
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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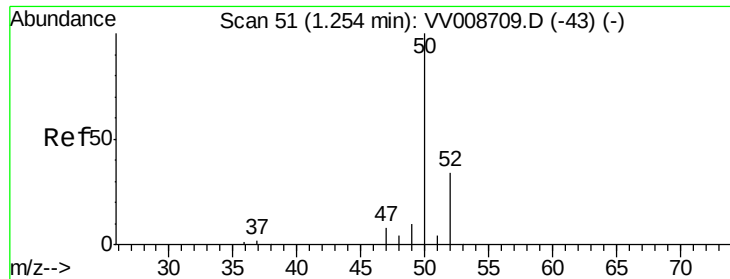
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.358 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008718.D

Acq: 26 Nov 2018 17:24

Instrument :

MSVOA_V

ClientSampleId :

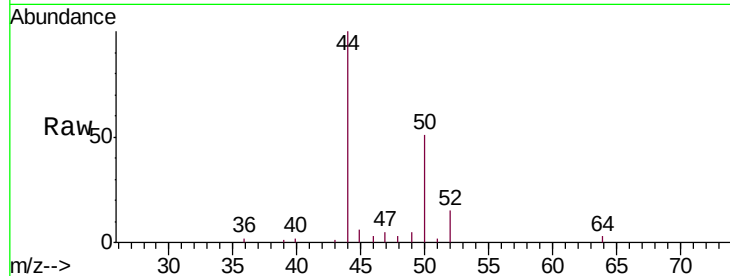
VIBLK50

Tgt Ion: 50 Resp: 7883

Ion Ratio Lower Upper

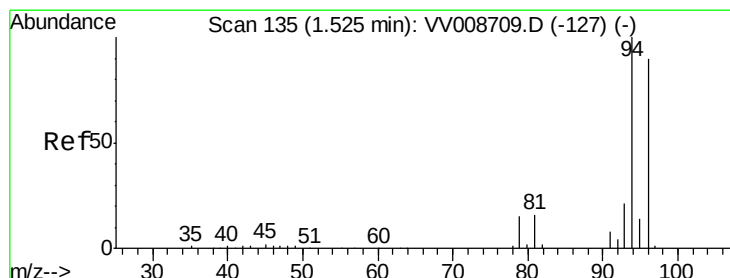
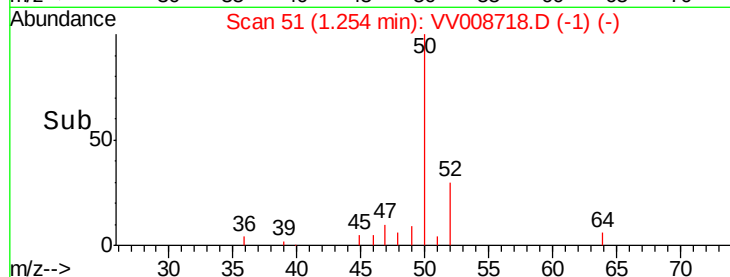
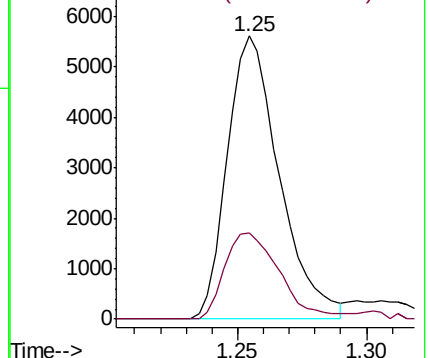
50 100

52 30.3 24.1 44.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#6

Bromomethane

Concen: 2.335 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.01 min

Lab File: VV008718.D

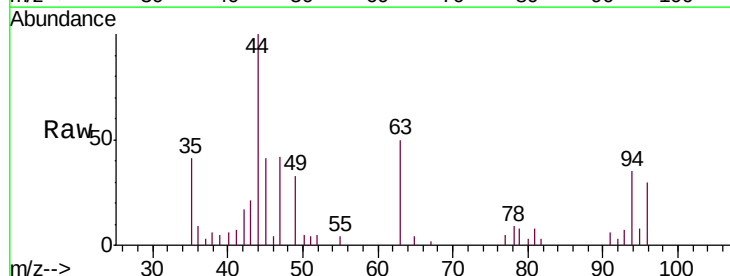
Acq: 26 Nov 2018 17:24

Tgt Ion: 94 Resp: 1795

Ion Ratio Lower Upper

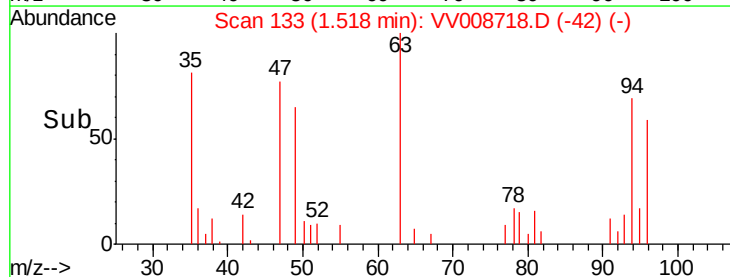
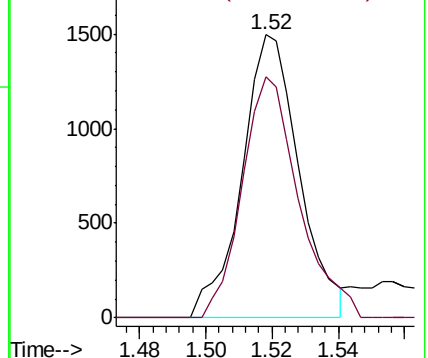
94 100

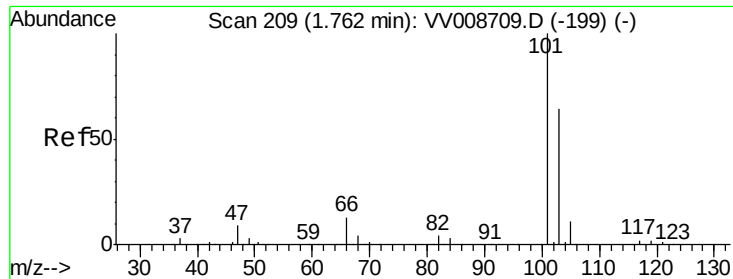
96 85.1 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



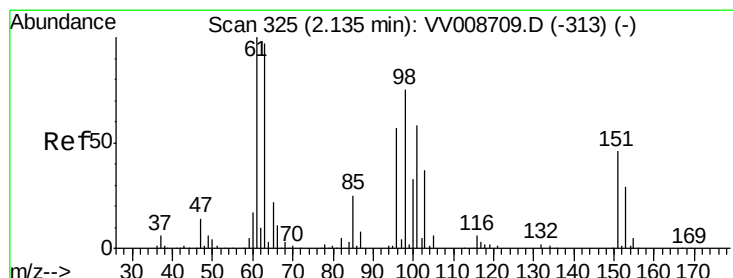
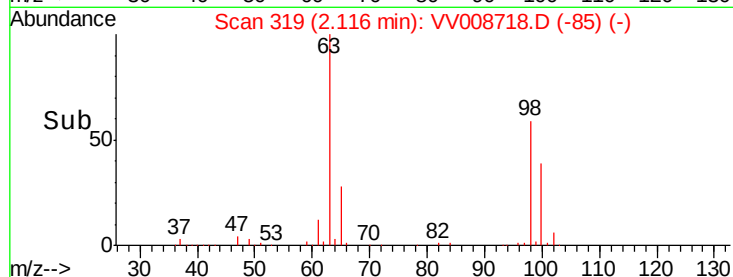
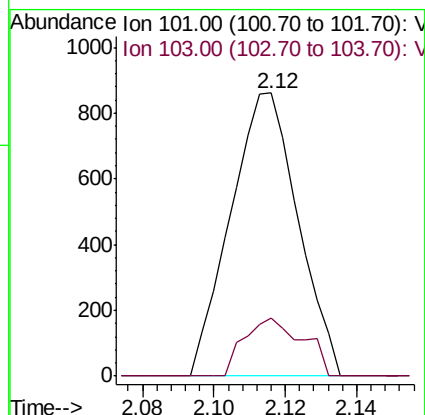
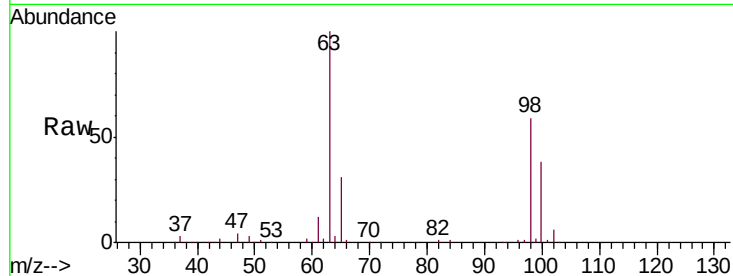


#9

Trichlorofluoromethane
 Concen: 0.383 ug/L
 RT: 2.12 min Scan# 319
 Delta R.T. 0.35 min
 Lab File: VV008718.D
 Acq: 26 Nov 2018 17:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK50

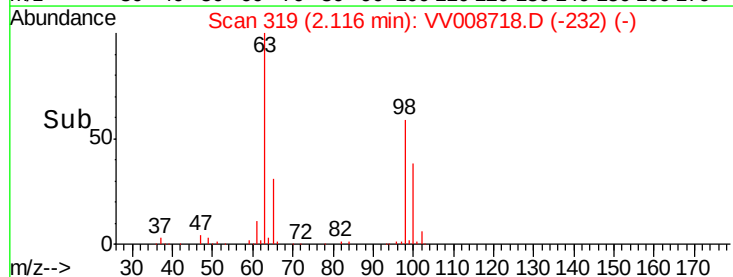
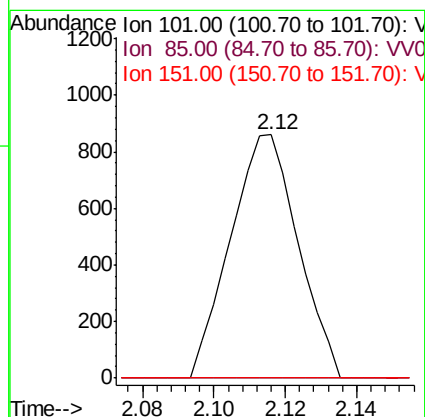
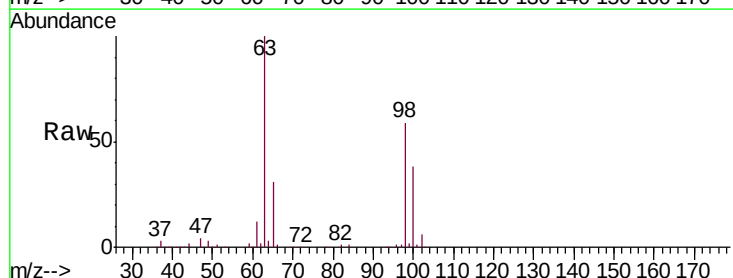
Tgt Ion:101 Resp: 1123
 Ion Ratio Lower Upper
 101 100
 103 14.0 50.2 75.4#

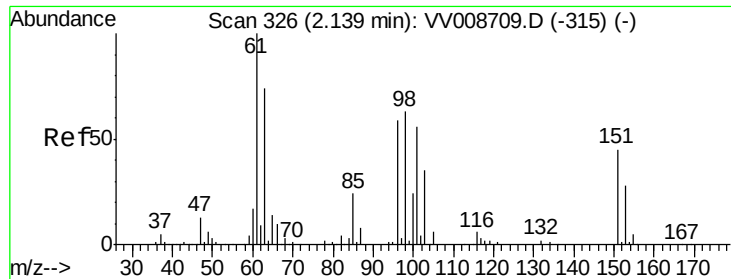


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.663 ug/L
 RT: 2.12 min Scan# 319
 Delta R.T. -0.02 min
 Lab File: VV008718.D
 Acq: 26 Nov 2018 17:24

Tgt Ion:101 Resp: 1123
 Ion Ratio Lower Upper
 101 100
 85 0.0 37.0 55.6#
 151 0.0 63.8 95.8#

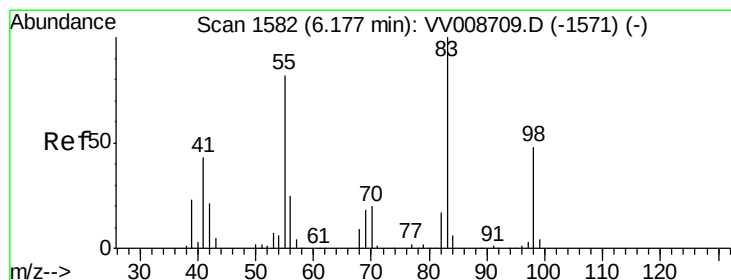
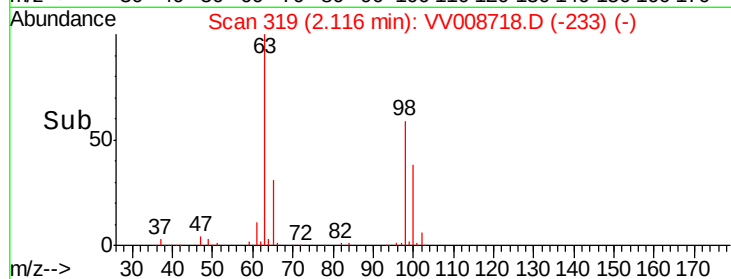
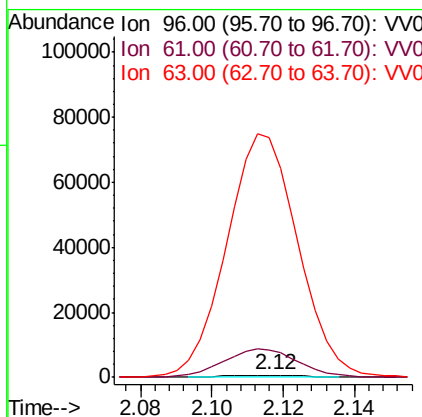
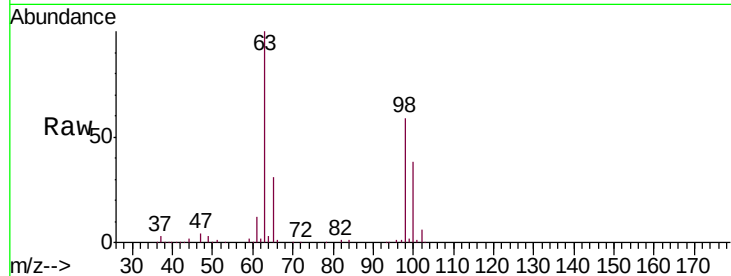




#12
 1,1-Dichloroethene
 Concen: 0.606 ug/L
 RT: 2.12 min Scan# 319
 Delta R.T. -0.02 min
 Lab File: VV008718.D
 Acq: 26 Nov 2018 17:24

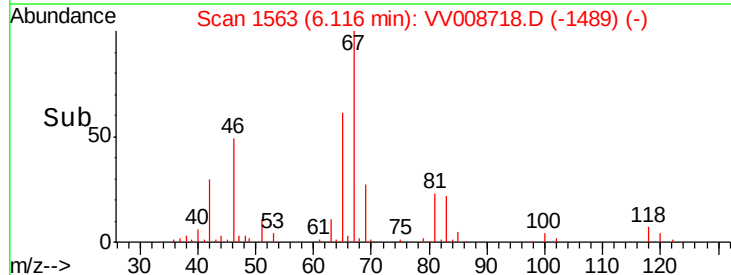
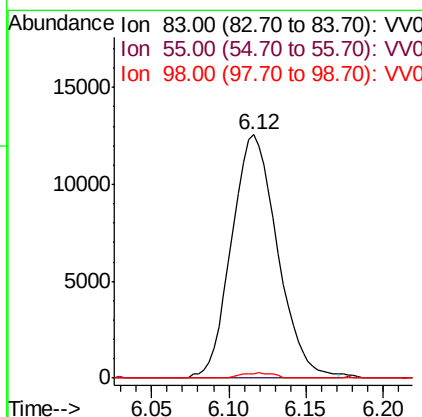
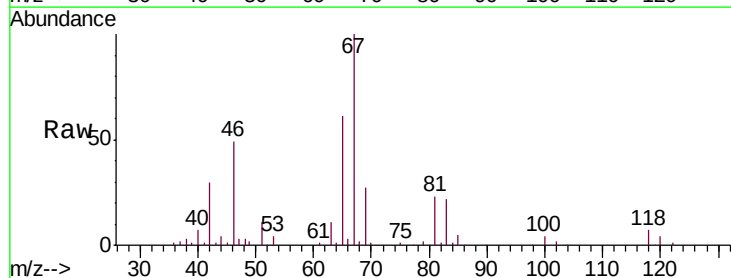
Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK50

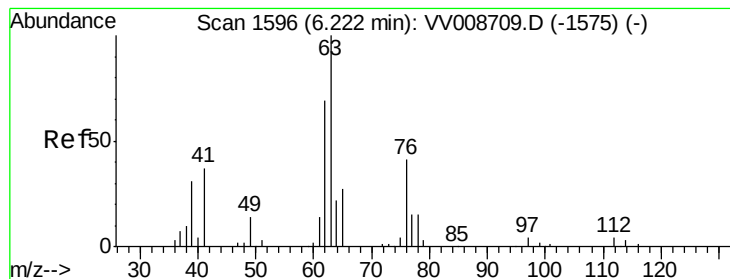
Tgt Ion: 96 Resp: 921
 Ion Ratio Lower Upper
 96 100
 61 1412.2 120.3 223.3#
 63 12136.8 113.3 210.5#



#35
 Methylcyclohexane
 Concen: 6.913 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV008718.D
 Acq: 26 Nov 2018 17:24

Tgt Ion: 83 Resp: 25937
 Ion Ratio Lower Upper
 83 100
 55 0.0 63.0 94.6#
 98 1.5 35.4 53.0#





#37

1,2-Dichloropropane

Concen: 5.320 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV008718.D

Acq: 26 Nov 2018 17:24

Instrument :

MSVOA_V

ClientSampleId :

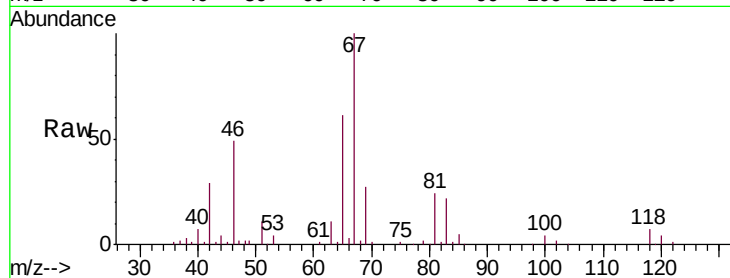
VIBLK50

Tgt Ion: 63 Resp: 12321

Ion Ratio Lower Upper

63 100

112 0.0 1.6 2.4#



Abundance Ion 63.00 (62.70 to 63.70): VV008709.D (-1575) (-)

Ion 112.00 (111.70 to 112.70): VV008709.D (-1575) (-)

6.12

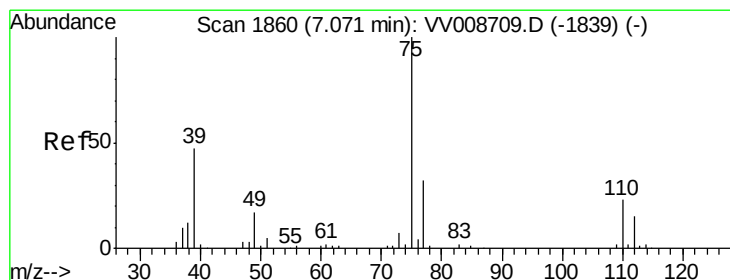
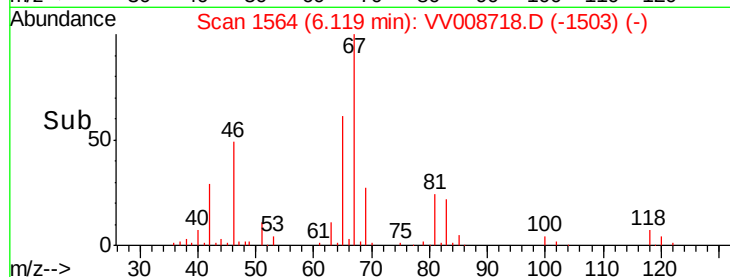
6000

4000

2000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.878 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV008718.D

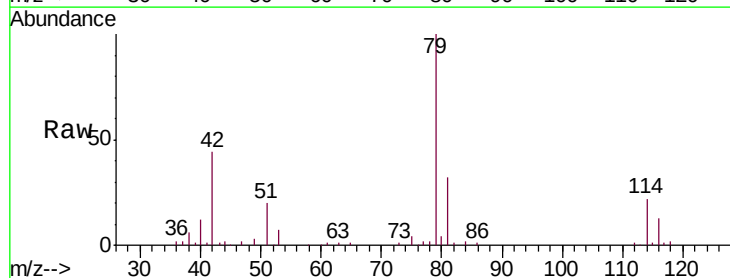
Acq: 26 Nov 2018 17:24

Tgt Ion: 75 Resp: 2889

Ion Ratio Lower Upper

75 100

77 45.6 20.2 37.4#



Abundance Ion 75.00 (74.70 to 75.70): VV008709.D (-1839) (-)

Ion 77.00 (76.70 to 77.70): VV008709.D (-1839) (-)

7.03

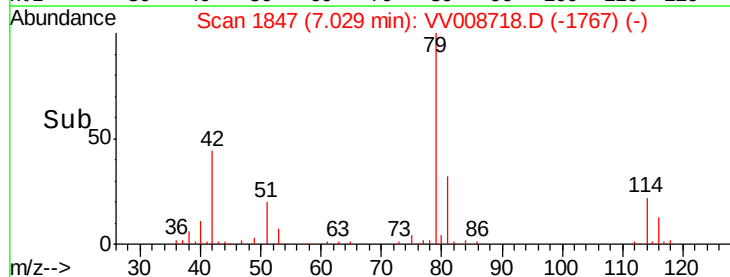
1500

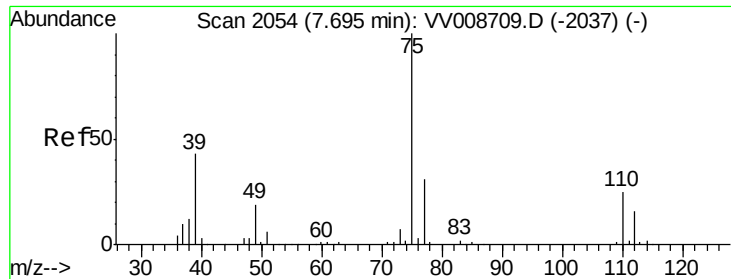
1000

500

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.641 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008718.D

Acq: 26 Nov 2018 17:24

Instrument :

MSVOA_V

ClientSampleId :

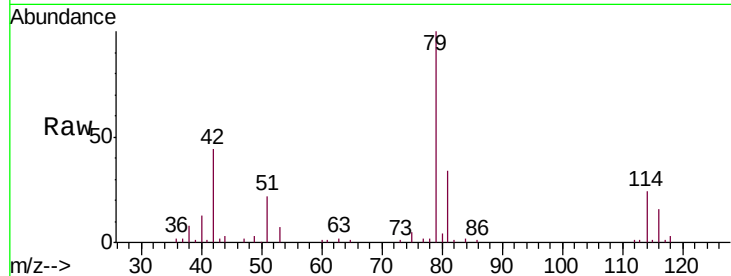
VIBLK50

Tgt Ion: 75 Resp: 1918

Ion Ratio Lower Upper

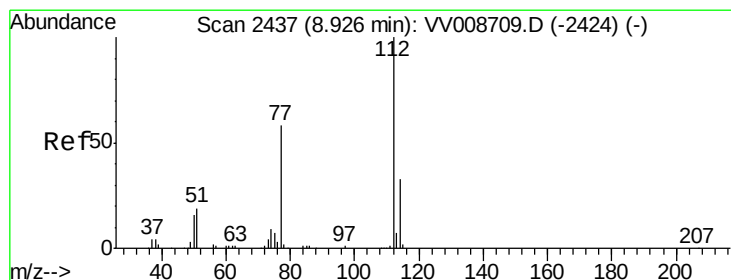
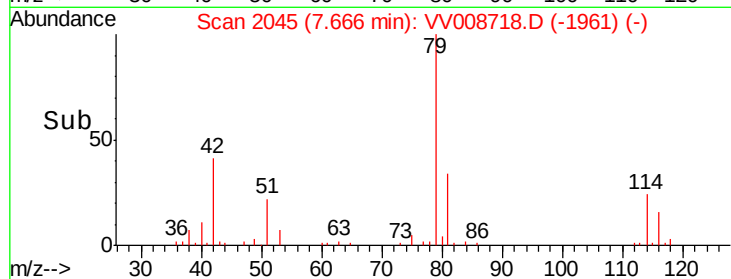
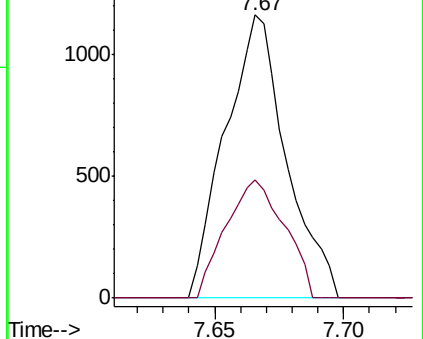
75 100

77 41.6 24.6 45.8



Abundance Ion 75.00 (74.70 to 75.70): VV008709.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008709.D (-2037) (-)



#51

Chlorobenzene

Concen: 4.020 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV008718.D

Acq: 26 Nov 2018 17:24

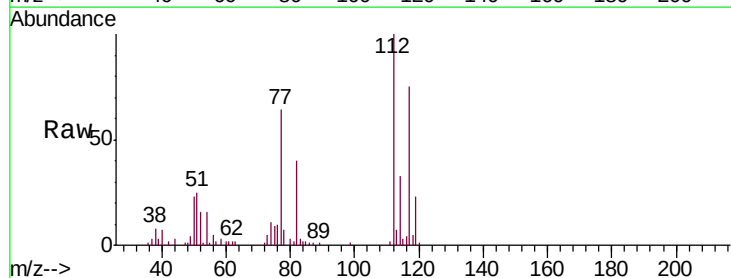
Tgt Ion: 112 Resp: 22805

Ion Ratio Lower Upper

112 100

114 33.3 22.9 42.5

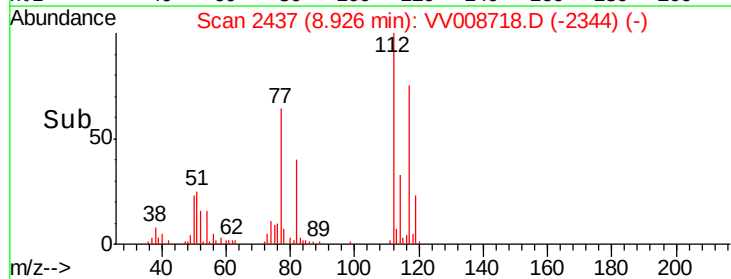
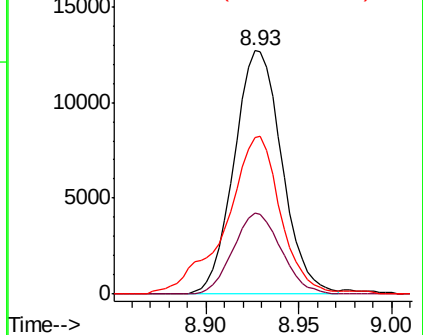
77 64.1 53.8 80.6

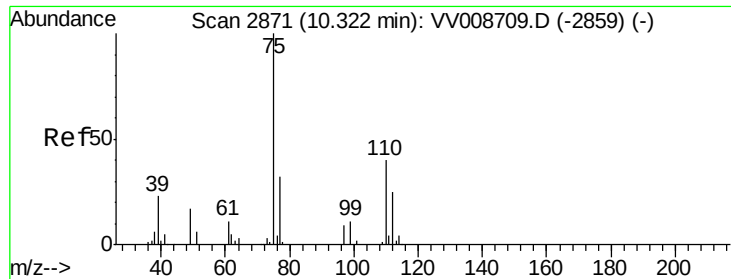


Abundance Ion 112.00 (111.70 to 112.70): VV008709.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV008709.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV008709.D (-2424) (-)





#59

1,2,3-Trichloropropane

Concen: 6.336 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV008718.D

Acq: 26 Nov 2018 17:24

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MSVOA_V

ClientSampleId :

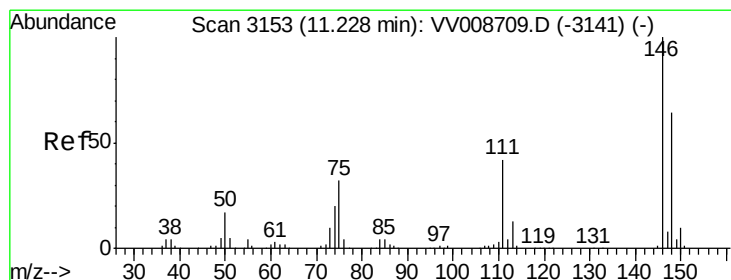
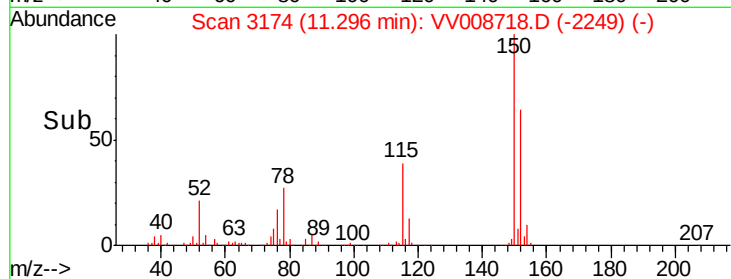
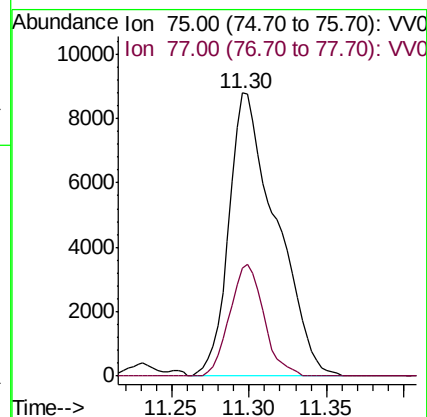
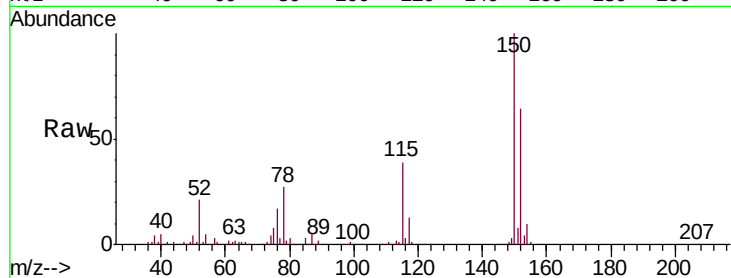
VIBLK50

Tgt Ion: 75 Resp: 18587

Ion Ratio Lower Upper

75 100

77 28.5 26.0 39.0



#62

1,3-Dichlorobenzene

Concen: 0.544 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.01 min

Lab File: VV008718.D

Acq: 26 Nov 2018 17:24

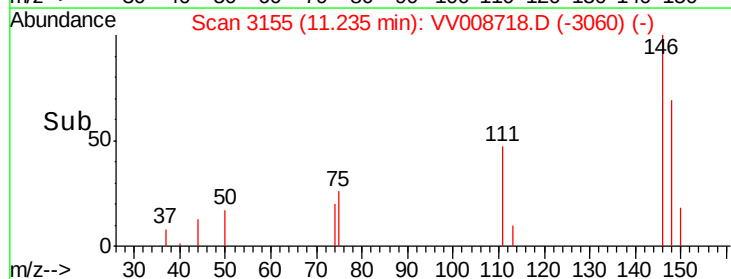
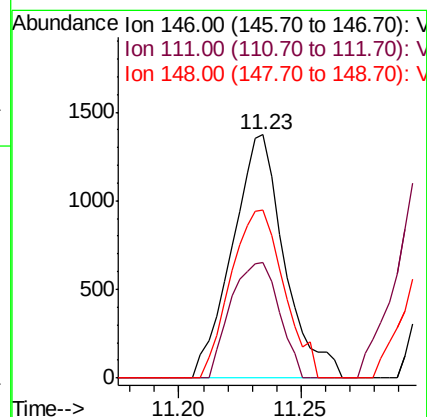
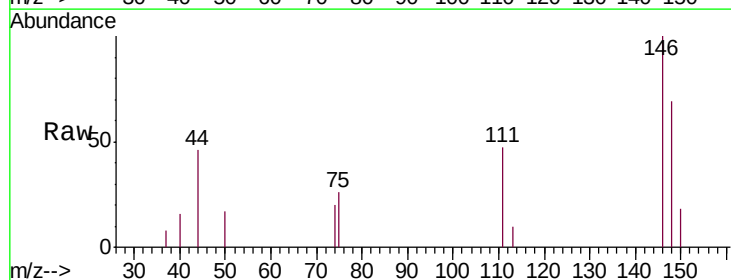
Tgt Ion: 146 Resp: 2034

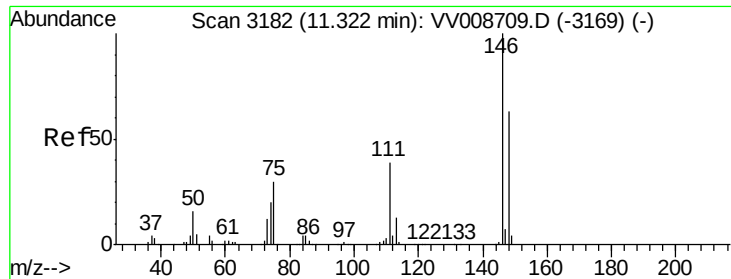
Ion Ratio Lower Upper

146 100

111 47.5 27.9 51.7

148 69.3 42.7 79.3

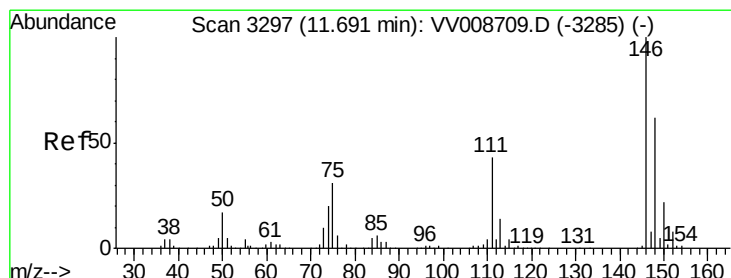
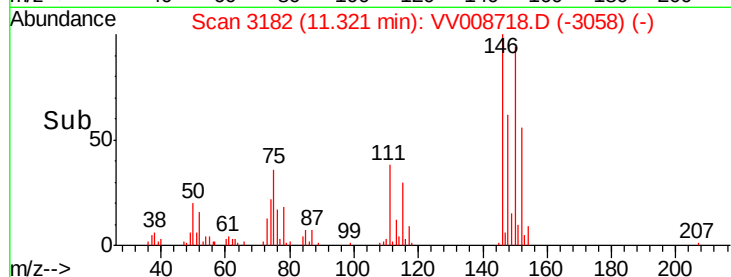
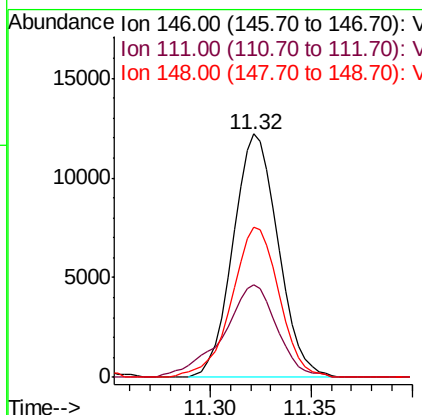
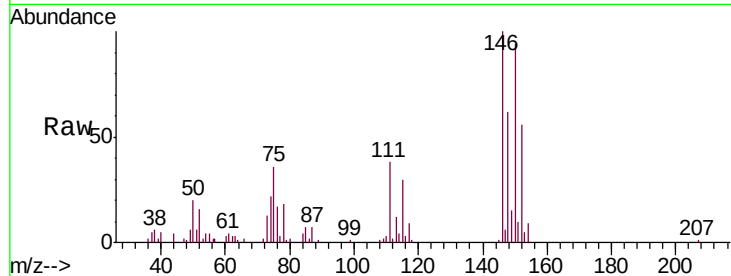




#63
 1,4-Dichlorobenzene
 Concen: 5.009 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008718.D
 Acq: 26 Nov 2018 17:24

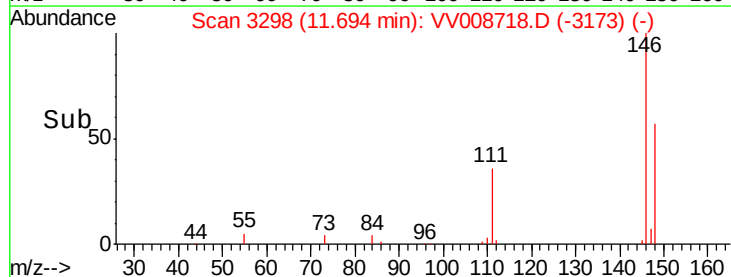
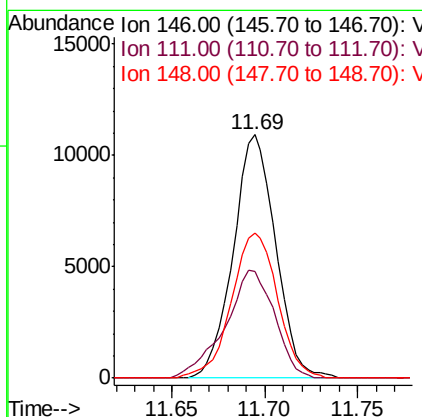
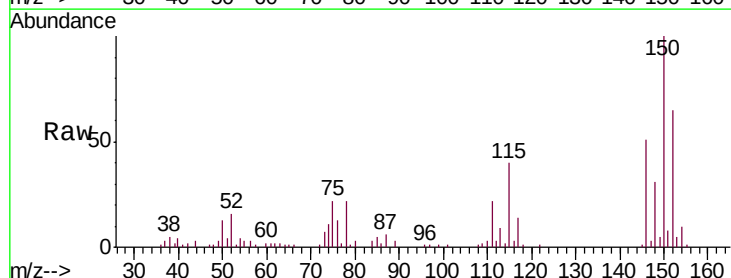
Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK50

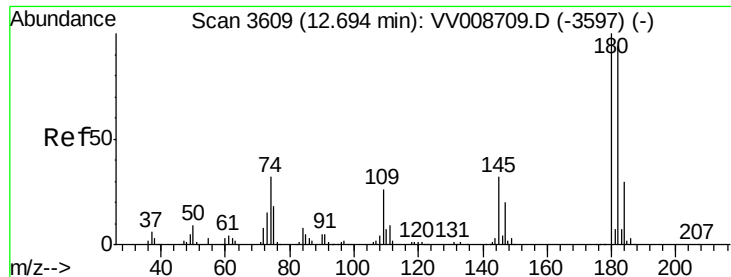
Tgt Ion:146 Resp: 19095
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.7 51.5
 148 61.9 46.4 86.2



#65
 1,2-Dichlorobenzene
 Concen: 4.490 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008718.D
 Acq: 26 Nov 2018 17:24

Tgt Ion:146 Resp: 17335
 Ion Ratio Lower Upper
 146 100
 111 43.6 36.5 54.7
 148 59.8 48.7 73.1

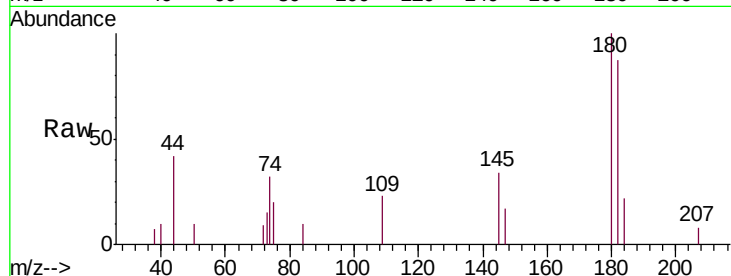




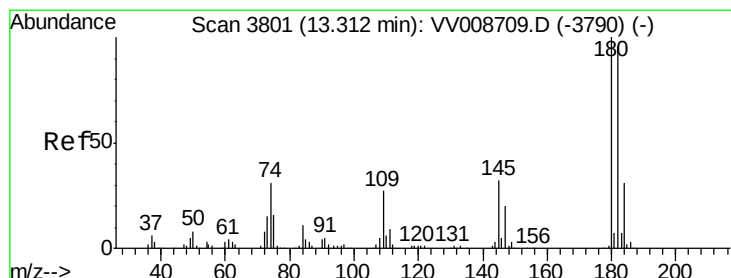
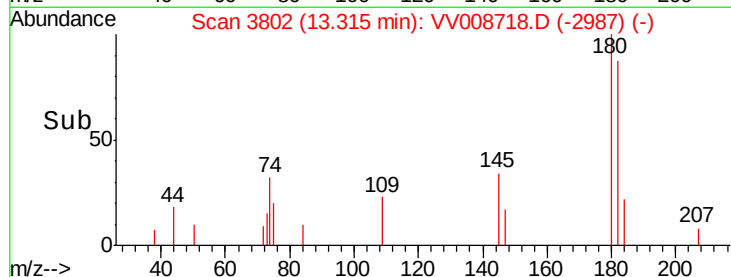
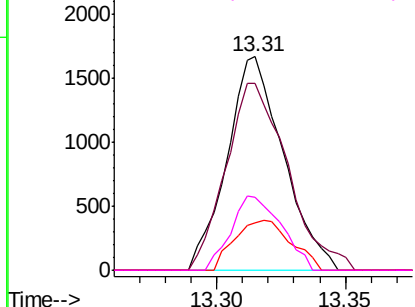
#67
 1,3,5-Trichlorobenzene
 Concen: 0.979 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.62 min
 Lab File: VV008718.D
 Acq: 26 Nov 2018 17:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK50

Tgt Ion:180 Resp: 2549
 Ion Ratio Lower Upper
 180 100
 182 95.7 73.2 109.8
 184 23.5 23.6 35.4#
 145 30.8 26.6 39.8

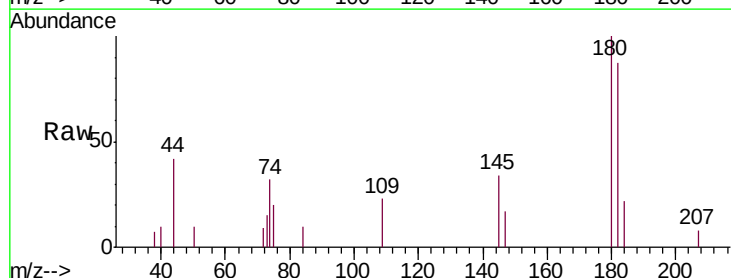


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.290 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008718.D
 Acq: 26 Nov 2018 17:24

Tgt Ion:180 Resp: 2549
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.7 113.5
 145 30.8 28.0 42.0



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

