

Data File : VV008719.D
Acq On : 26 Nov 2018 18:14
Operator : SY/MD
Sample : VIBLK51
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK51

Quant Time: Nov 27 03:15:04 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	5.67	114	272722	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	249313	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	100523	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76606	39.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.64%
7) Chloroethane-d5	1.57	69	59061	56.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.38%
11) 1,1-Dichloroethene-d2	2.13	63	108927	34.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.60%
21) 2-Butanone-d5	3.93	46	147843	94.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.28%
24) Chloroform-d	4.41	84	172826	44.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.70%
26) 1,2-Dichloroethane-d4	5.08	65	118626	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
32) Benzene-d6	5.10	84	366334	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
36) 1,2-Dichloropropane-d6	6.12	67	116633	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.22%
41) Toluene-d8	7.36	98	323754	46.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.02%
43) trans-1,3-Dichloropropene-	7.67	79	48828	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.06%
47) 2-Hexanone-d5	8.13	63	96456	88.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	147516	44.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.22%
64) 1,2-Dichlorobenzene-d4	11.68	152	110817	50.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

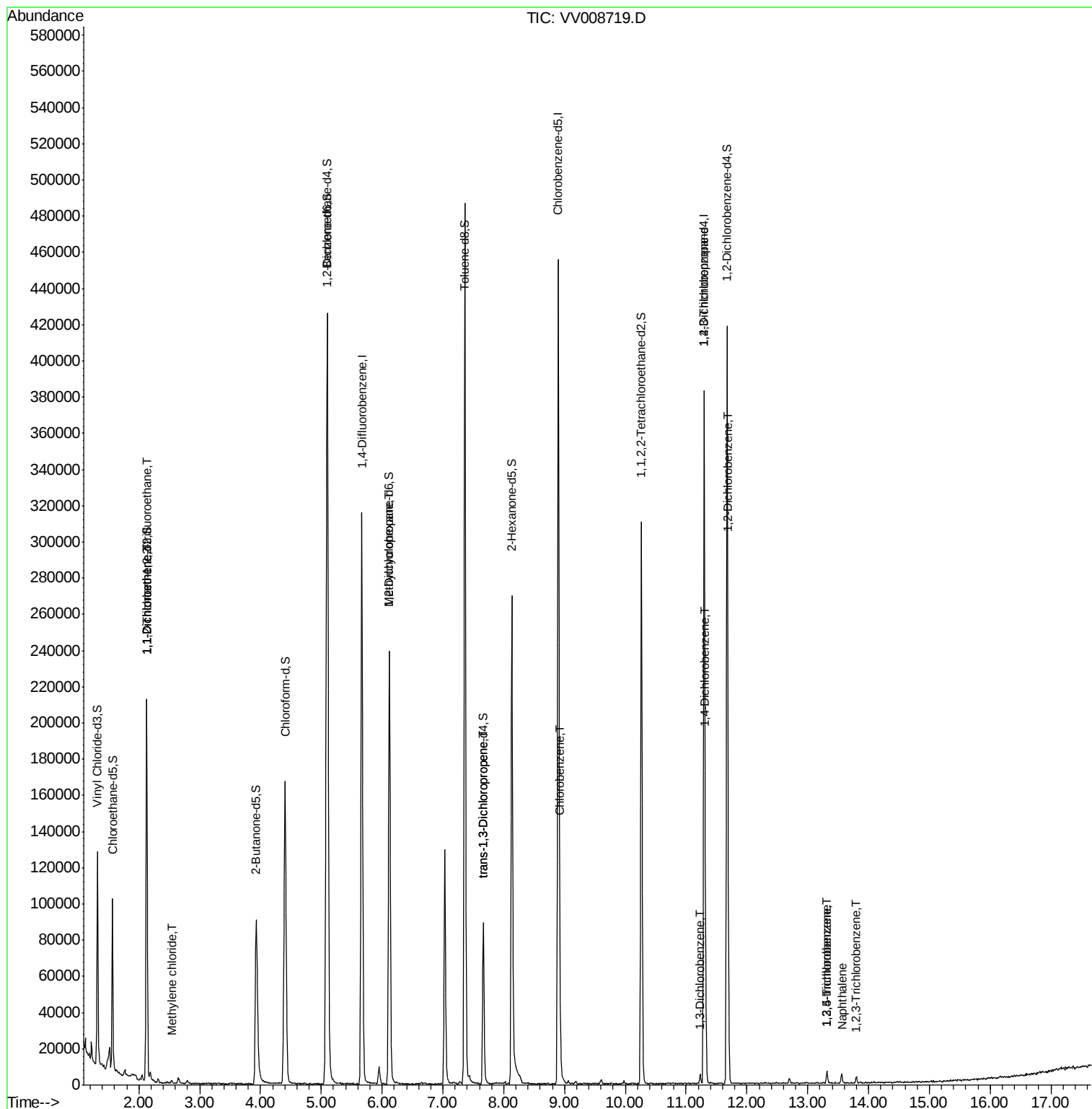
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1179	0.764	ug/L #	17
12) 1,1-Dichloroethene	2.13	96	1138	0.822	ug/L #	1
16) Methylene chloride	2.53	84	730	0.340	ug/L	82
35) Methylcyclohexane	6.12	83	27348	7.797	ug/L #	18
44) trans-1,3-Dichloropropene	7.66	75	2433	0.869	ug/L	96
51) Chlorobenzene	8.93	112	17233	3.250	ug/L	93
59) 1,2,3-Trichloropropane	11.30	75	15406	5.618	ug/L	90
62) 1,3-Dichlorobenzene	11.23	146	2455	0.729	ug/L	89
63) 1,4-Dichlorobenzene	11.32	146	12968	3.778	ug/L	92
65) 1,2-Dichlorobenzene	11.69	146	11787	3.390	ug/L	95
67) 1,3,5-Trichlorobenzene	13.31	180	2403	1.025	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	2403	1.350	ug/L	96
69) Naphthalene	13.56	128	4703	0.928	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.80	180	1478	0.808	ug/L	94

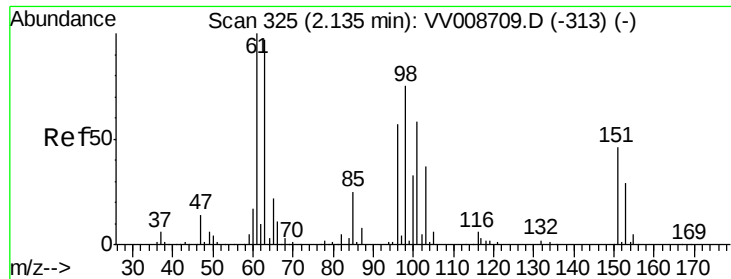
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.764 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008719.D

Acq: 26 Nov 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

VIBLK51

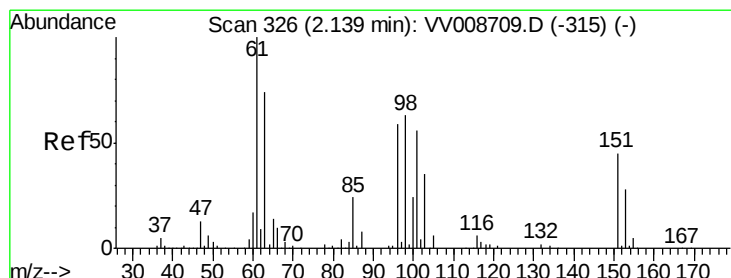
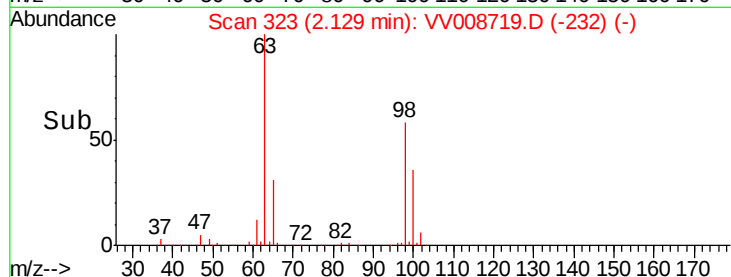
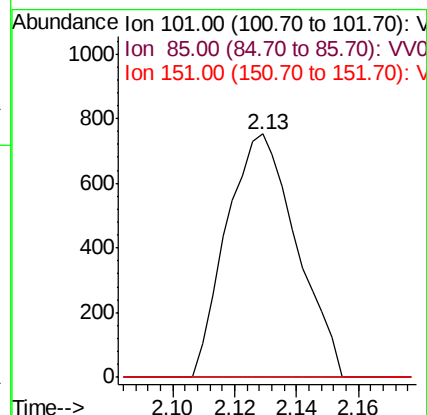
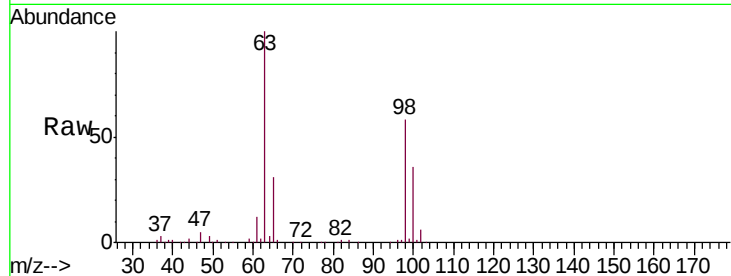
Tgt Ion: 101 Resp: 1179

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: 0.822 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008719.D

Acq: 26 Nov 2018 18:14

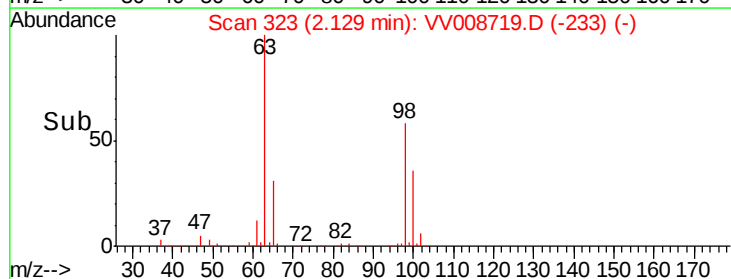
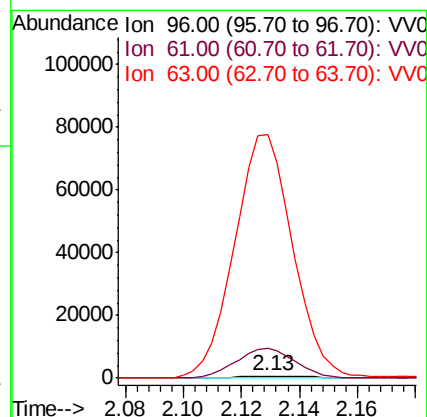
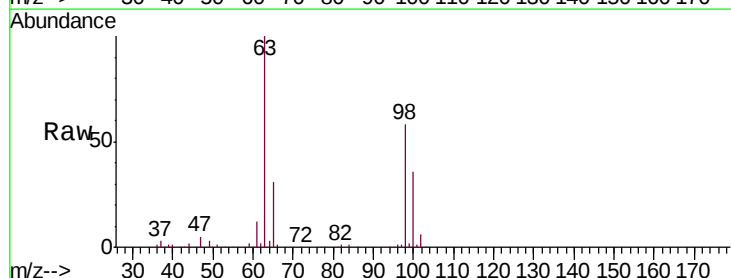
Tgt Ion: 96 Resp: 1138

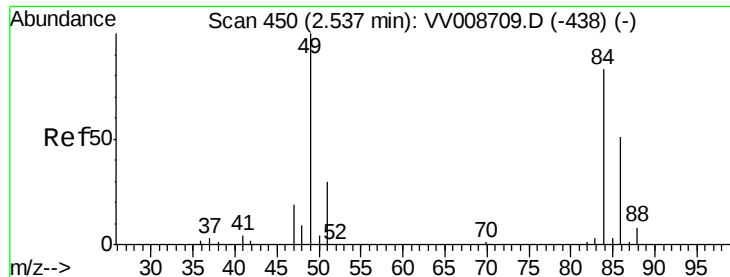
Ion Ratio Lower Upper

96 100

61 1448.2 120.3 223.3#

63 11906.7 113.3 210.5#

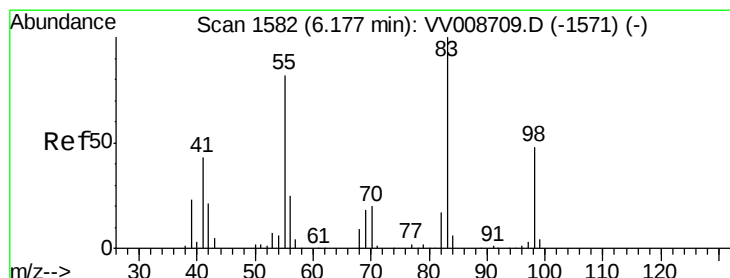
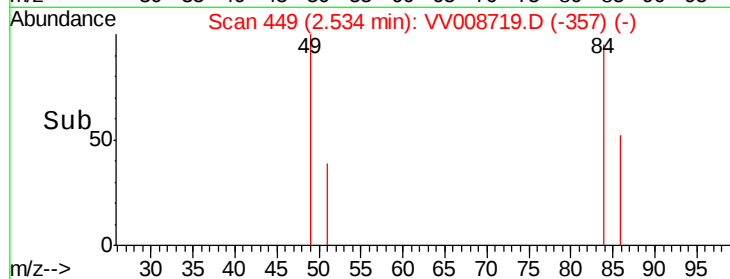
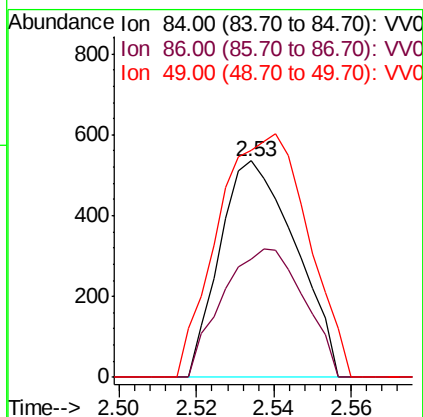
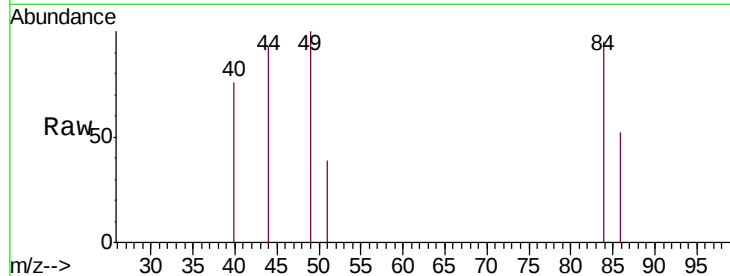




#16
Methylene chloride
Concen: 0.340 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008719.D
Acq: 26 Nov 2018 18:14

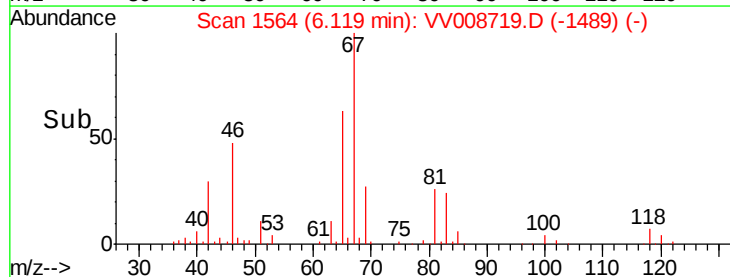
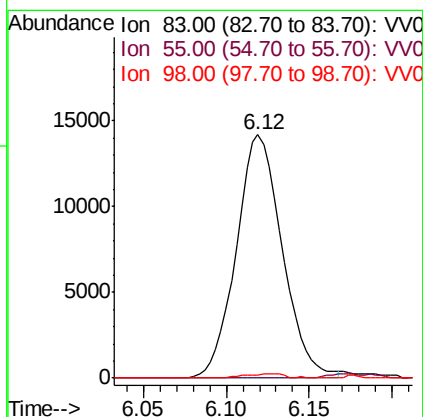
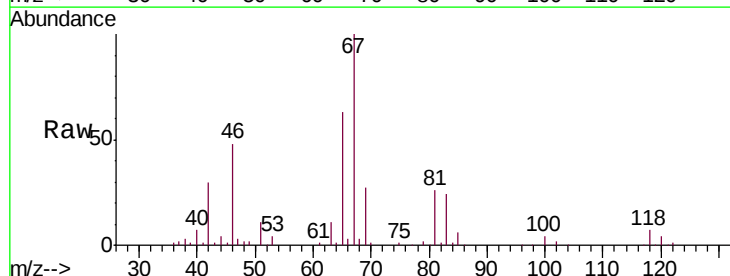
Instrument :
MSVOA_V
ClientSampleId :
VIBLK51

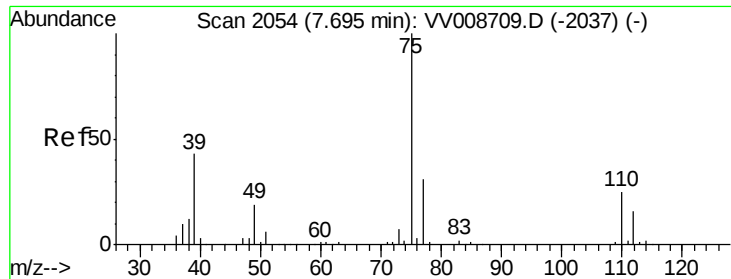
Tgt Ion: 84 Resp: 730
Ion Ratio Lower Upper
84 100
86 54.8 50.6 94.0
49 105.0 86.5 160.7



#35
Methylcyclohexane
Concen: 7.797 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.06 min
Lab File: VV008719.D
Acq: 26 Nov 2018 18:14

Tgt Ion: 83 Resp: 27348
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.6#
98 1.0 35.4 53.0#





#44

trans-1,3-Dichloropropene

Concen: 0.869 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV008719.D

Acq: 26 Nov 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

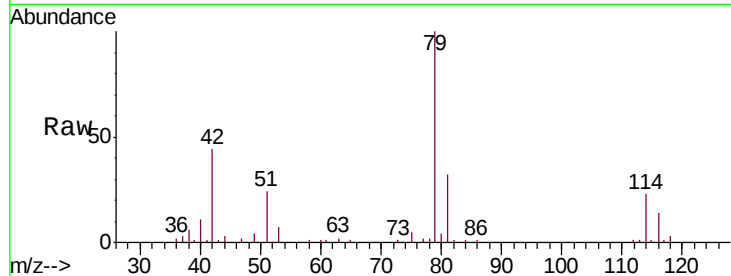
VIBLK51

Tgt Ion: 75 Resp: 2433

Ion Ratio Lower Upper

75 100

77 37.7 24.6 45.8



Abundance Ion 75.00 (74.70 to 75.70): VV008719.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008719.D (-2037) (-)

7.66

1500

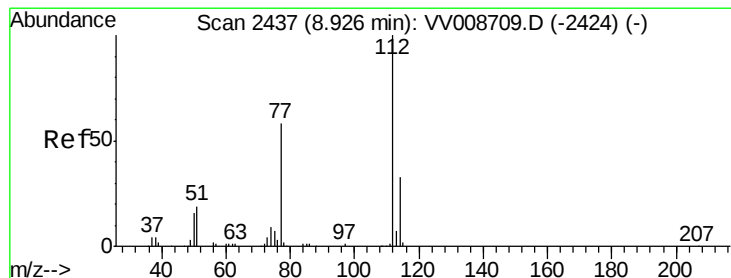
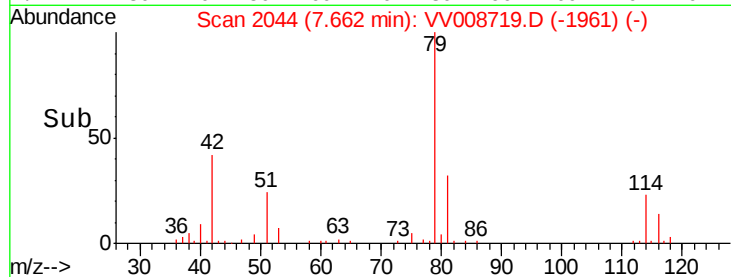
1000

500

0

7.62 7.64 7.66 7.68 7.70

Time-->



#51

Chlorobenzene

Concen: 3.250 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV008719.D

Acq: 26 Nov 2018 18:14

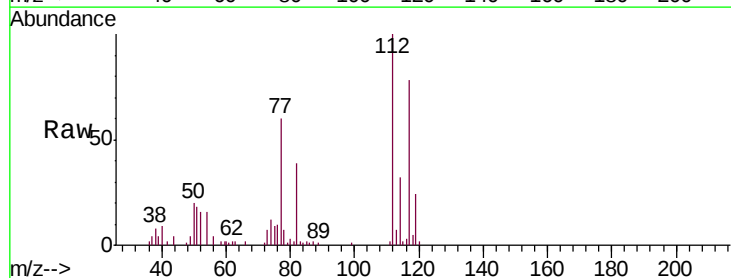
Tgt Ion: 112 Resp: 17233

Ion Ratio Lower Upper

112 100

114 31.7 22.9 42.5

77 59.8 53.8 80.6



Abundance Ion 112.00 (111.70 to 112.70): VV008719.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV008719.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV008719.D (-2424) (-)

8.93

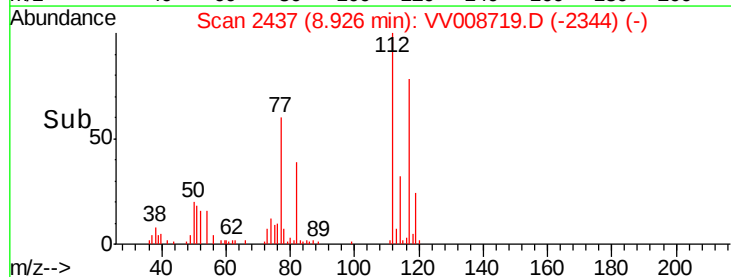
10000

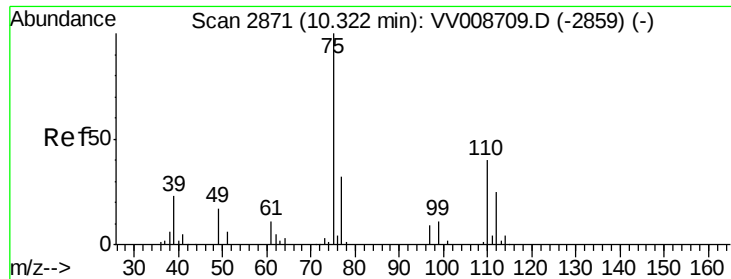
5000

0

8.90 8.95 9.00

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.618 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV008719.D

Acq: 26 Nov 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

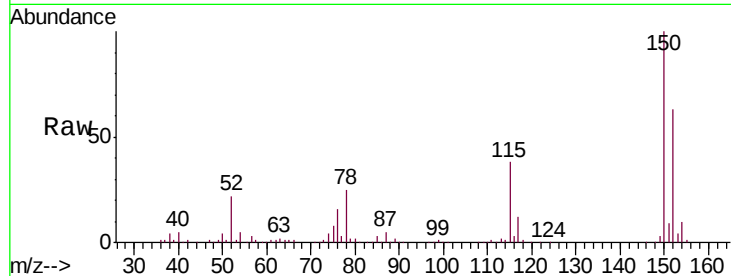
VIBLK51

Tgt Ion: 75 Resp: 15406

Ion Ratio Lower Upper

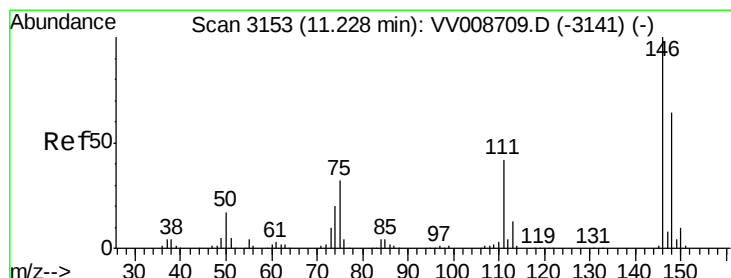
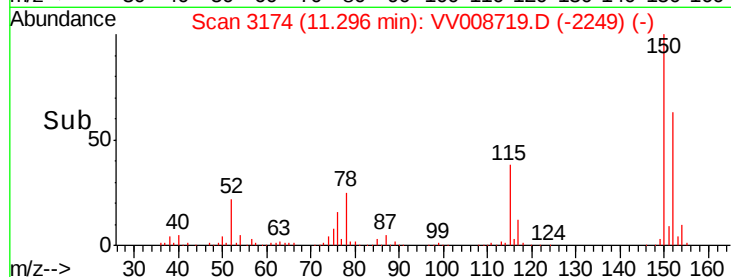
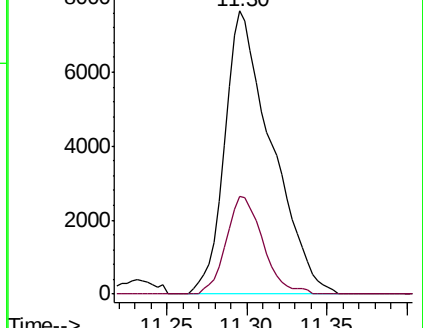
75 100

77 26.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV008719.D (-2249) (-)

Ion 77.00 (76.70 to 77.70): VV008719.D (-2249) (-)



#62

1,3-Dichlorobenzene

Concen: 0.729 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.01 min

Lab File: VV008719.D

Acq: 26 Nov 2018 18:14

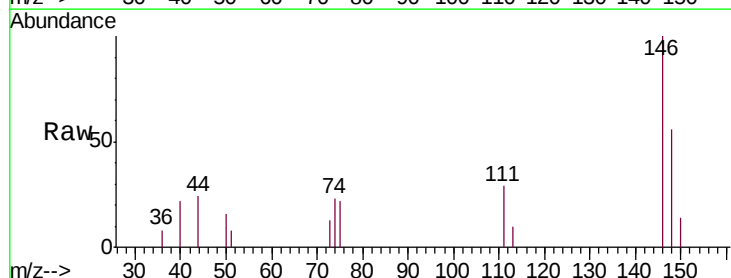
Tgt Ion: 146 Resp: 2455

Ion Ratio Lower Upper

146 100

111 28.7 27.9 51.7

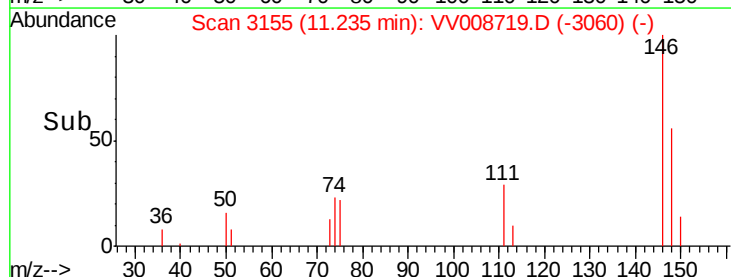
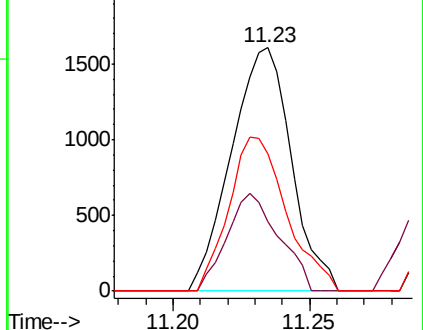
148 56.3 42.7 79.3

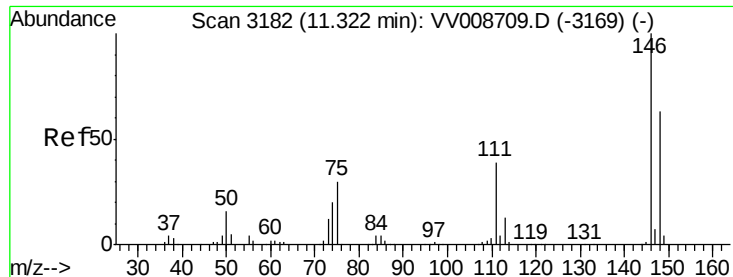


Abundance Ion 146.00 (145.70 to 146.70): VV008719.D (-3060) (-)

Ion 111.00 (110.70 to 111.70): VV008719.D (-3060) (-)

Ion 148.00 (147.70 to 148.70): VV008719.D (-3060) (-)

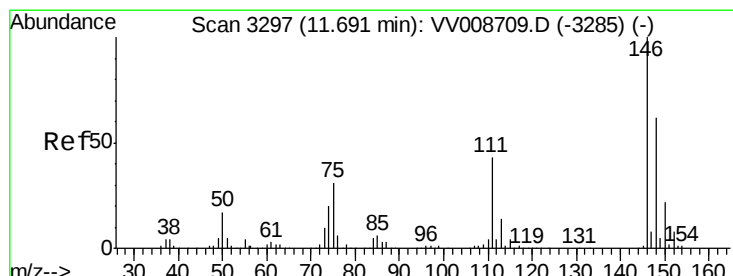
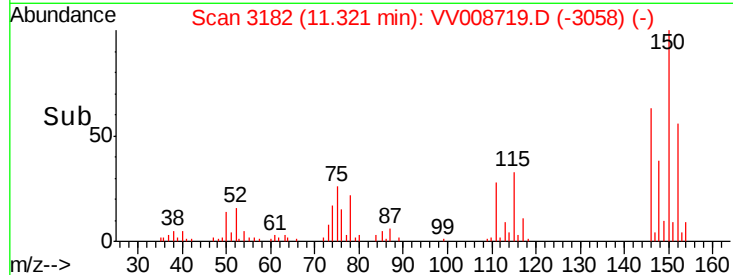
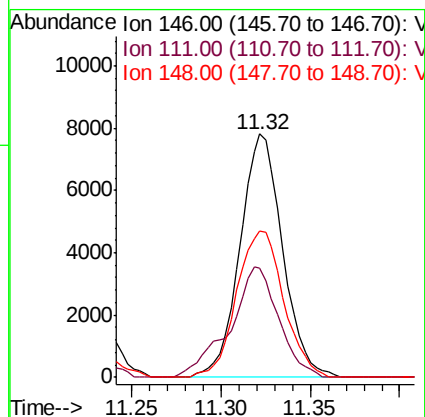
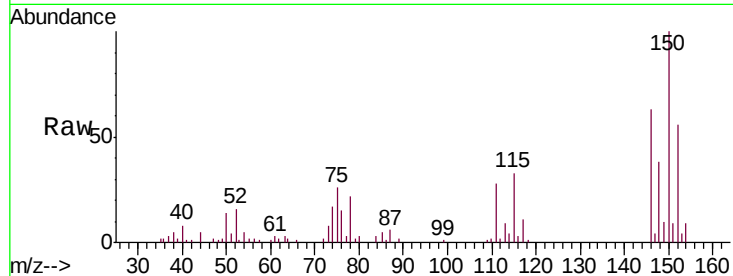




#63
 1,4-Dichlorobenzene
 Concen: 3.778 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008719.D
 Acq: 26 Nov 2018 18:14

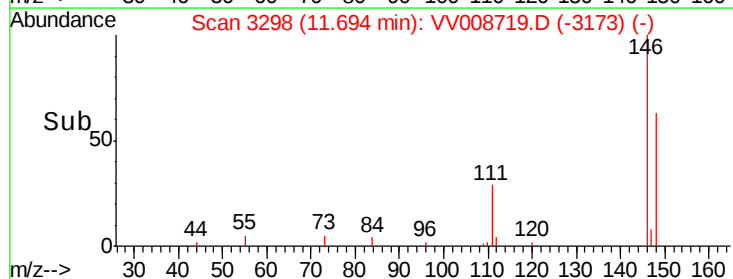
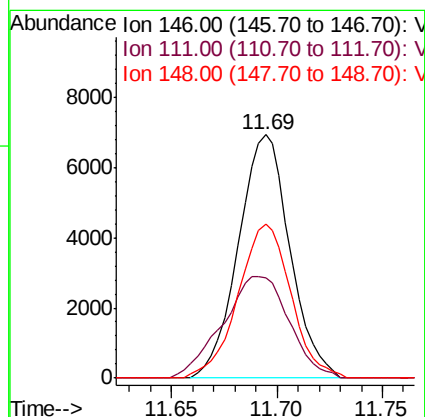
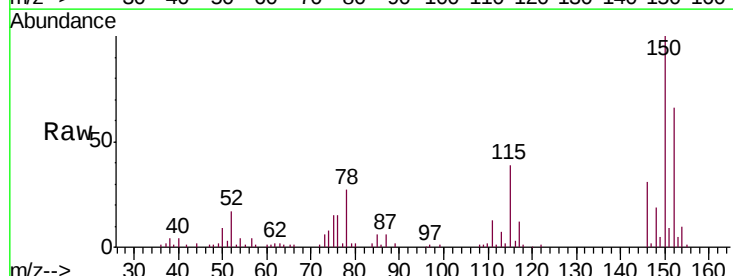
Instrument :
 MSVOA_V
 ClientSampled :
 VIBLK51

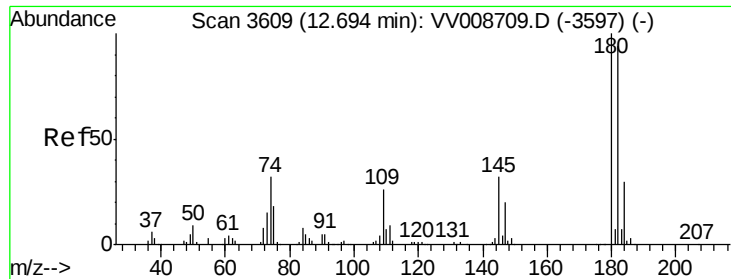
Tgt Ion:146 Resp: 12968
 Ion Ratio Lower Upper
 146 100
 111 44.9 27.7 51.5
 148 60.2 46.4 86.2



#65
 1,2-Dichlorobenzene
 Concen: 3.390 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008719.D
 Acq: 26 Nov 2018 18:14

Tgt Ion:146 Resp: 11787
 Ion Ratio Lower Upper
 146 100
 111 41.2 36.5 54.7
 148 63.4 48.7 73.1

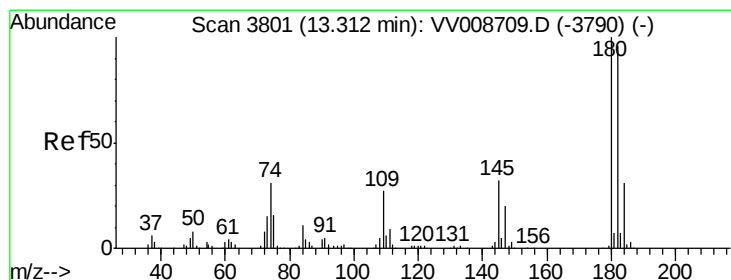
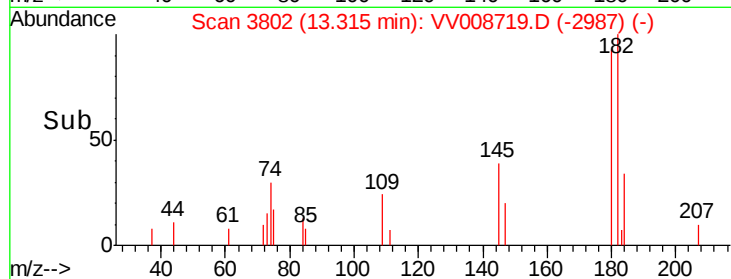
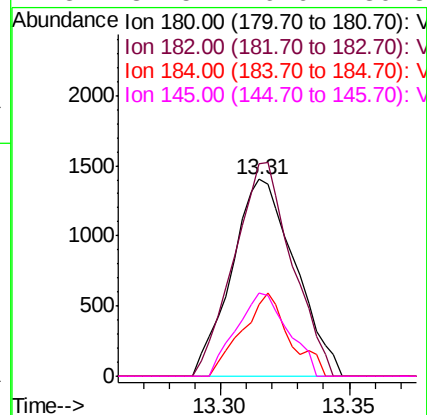
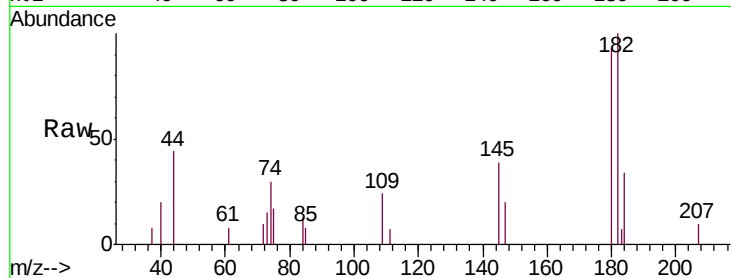




#67
 1,3,5-Trichlorobenzene
 Concen: 1.025 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.62 min
 Lab File: VV008719.D
 Acq: 26 Nov 2018 18:14

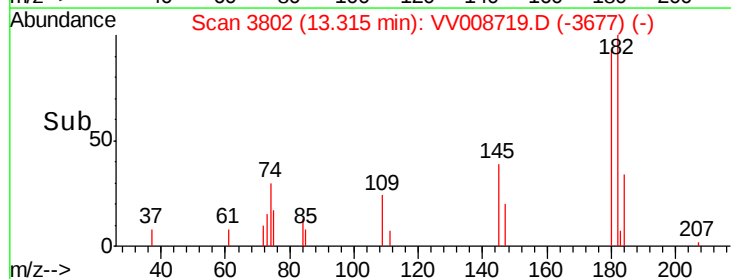
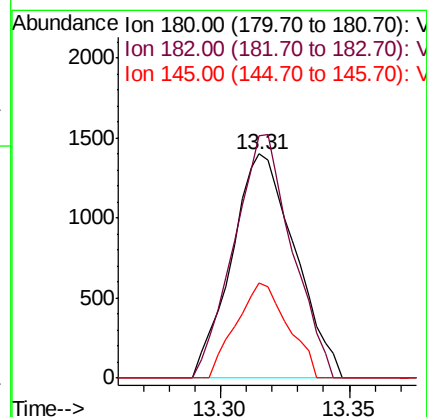
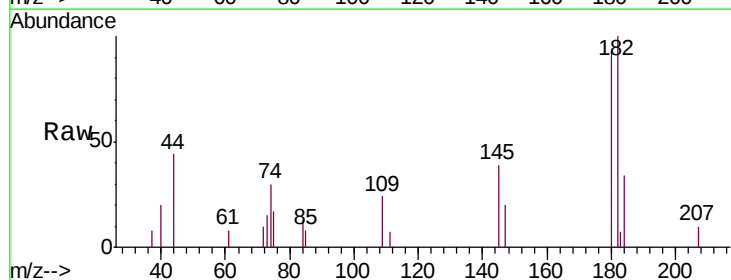
Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK51

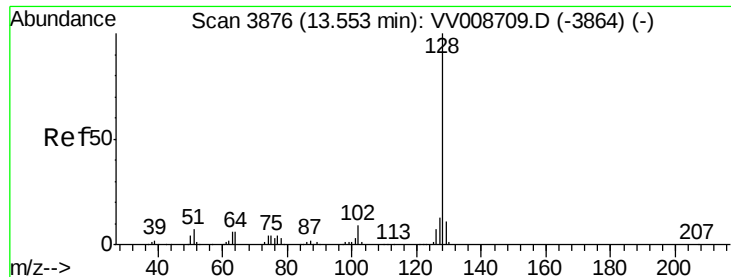
Tgt Ion:180 Resp: 2403
 Ion Ratio Lower Upper
 180 100
 182 98.9 73.2 109.8
 184 28.6 23.6 35.4
 145 34.5 26.6 39.8



#68
 1,2,4-trichlorobenzene
 Concen: 1.350 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008719.D
 Acq: 26 Nov 2018 18:14

Tgt Ion:180 Resp: 2403
 Ion Ratio Lower Upper
 180 100
 182 98.9 75.7 113.5
 145 34.5 28.0 42.0





#69

Naphthalene

Concen: 0.928 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV008719.D

Acq: 26 Nov 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

VIBLK51

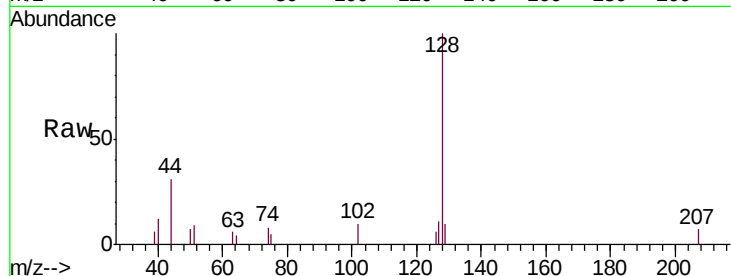
Tgt Ion:128 Resp: 4703

Ion Ratio Lower Upper

128 100

127 7.5 9.4 14.0#

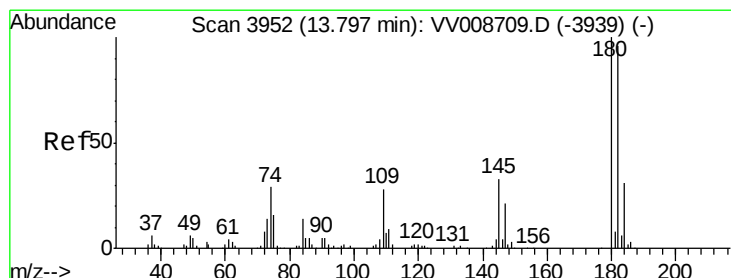
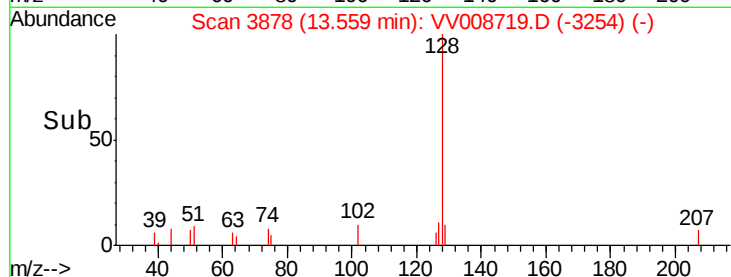
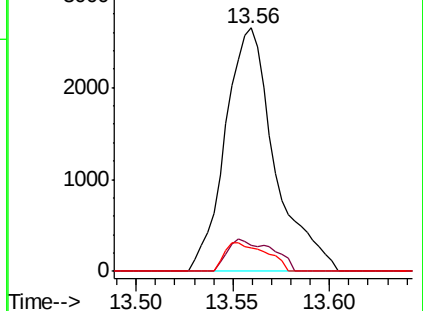
129 9.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.808 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008719.D

Acq: 26 Nov 2018 18:14

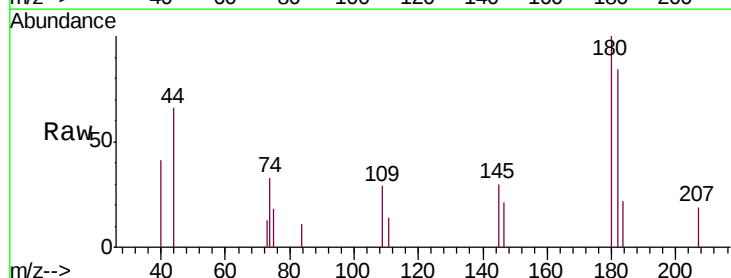
Tgt Ion:180 Resp: 1478

Ion Ratio Lower Upper

180 100

182 90.7 77.5 116.3

145 33.6 28.9 43.3



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

