

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
 Data File : VV013874.D
 Acq On : 02 Dec 2019 16:23
 Operator : SY/MD
 Sample : K6028-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 03 03:05:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 02:59:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	605932	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	571436	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	260370	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	180028	51.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.74%
7) Chloroethane-d5	1.58	69	200829	54.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	1.98	63	317	0.04	ug/L	-0.15
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.08%#
21) 2-Butanone-d5	3.92	46	278508	112.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.91%
24) Chloroform-d	4.40	84	387826	52.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.08	65	263605	56.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.06%
32) Benzene-d6	5.10	84	836613	56.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.00%
36) 1,2-Dichloropropane-d6	6.11	67	249565	56.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.30%
41) Toluene-d8	7.36	98	711926	52.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.48%
43) trans-1,3-Dichloropropene-	7.66	79	112558	52.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.08%
47) 2-Hexanone-d5	8.13	63	181055	109.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.09%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	332052	51.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.18%
64) 1,2-Dichlorobenzene-d4	11.67	152	297009	58.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.16%

Target Compounds

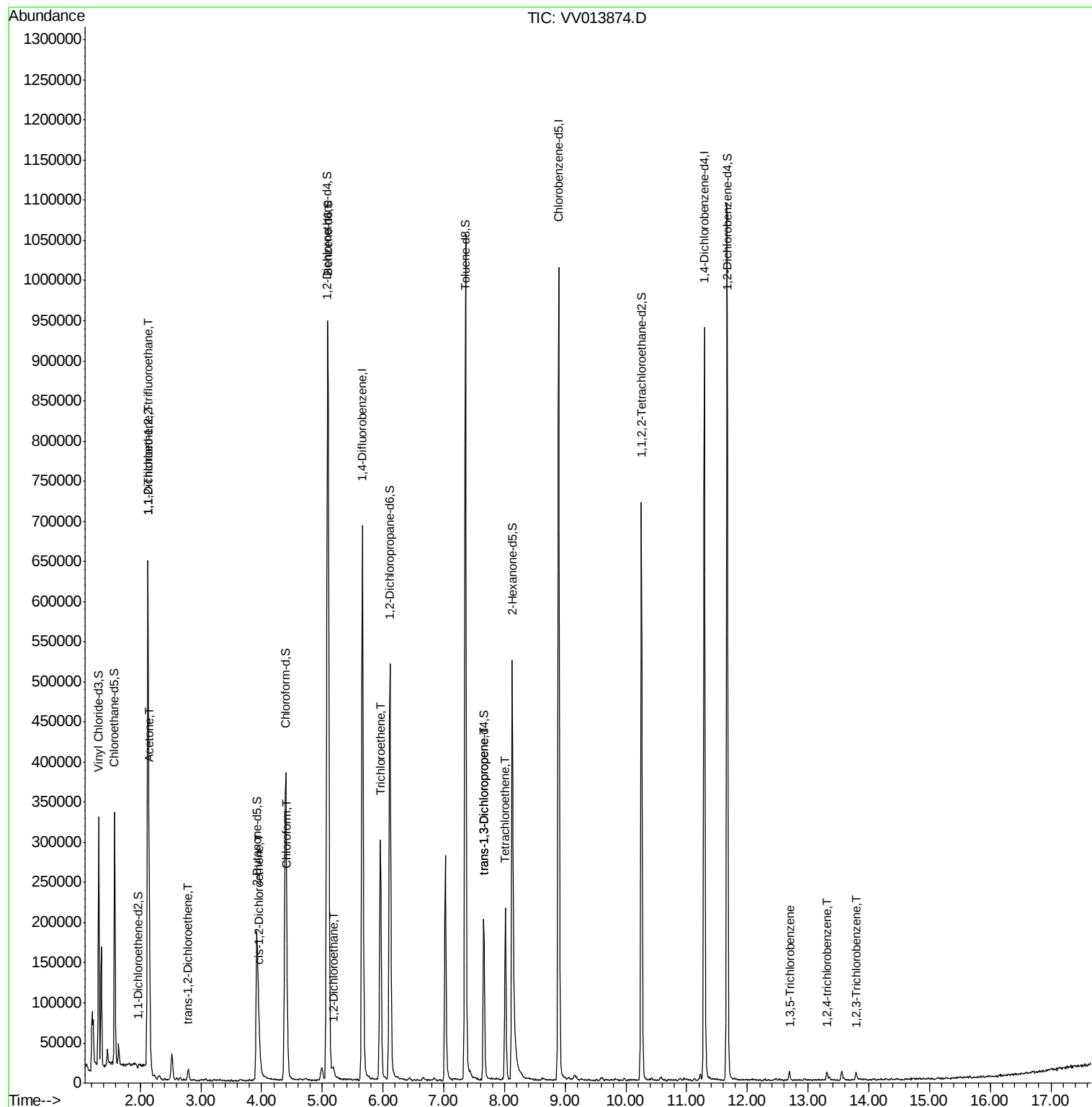
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3431	0.753	ug/L #	43
12) 1,1-Dichloroethene	2.13	96	4411	1.002	ug/L #	1
13) Acetone	2.15	43	57187	15.821	ug/L	54
17) trans-1,2-Dichloroethene	2.79	96	4734	1.099	ug/L	94
20) cis-1,2-Dichloroethene	3.96	96	13894	2.980	ug/L	93
25) Chloroform	4.42	83	15155	1.827	ug/L	97
27) 1,2-Dichloroethane	5.18	62	9905	1.658	ug/L	96
34) Trichloroethene	5.96	95	98420	21.563	ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	5323	0.907	ug/L	87
46) Tetrachloroethene	8.02	164	52207	12.676	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	3331	0.480	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	3743	0.598	ug/L #	86
70) 1,2,3-Trichlorobenzene	13.79	180	3260	0.498	ug/L	93

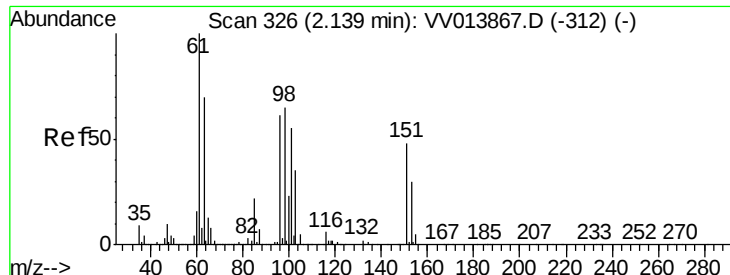
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 03:05:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 03 02:59:26 2019
Response via : Initial Calibration





#10

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

Concen: 0.753 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013874.D

Acq: 02 Dec 2019 16:23

Instrument :

MSVOA_V

ClientSampleId :

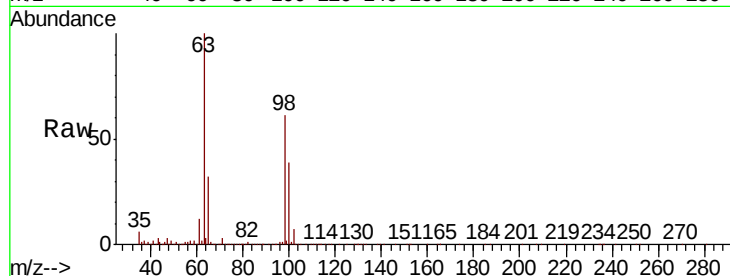
Tot Ion:101 Resp: 3431

Ion Ratio Lower Upper

101 100

85 23.3 32.5 48.7#

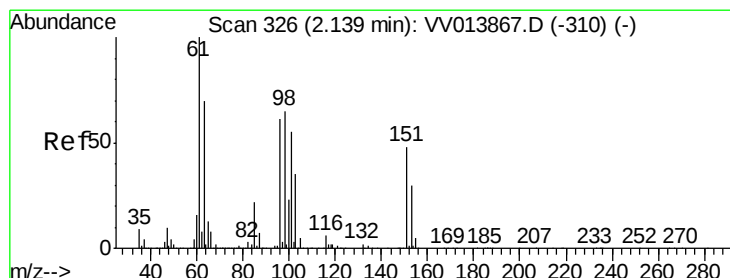
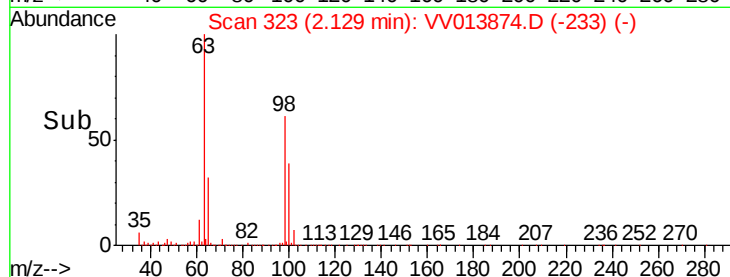
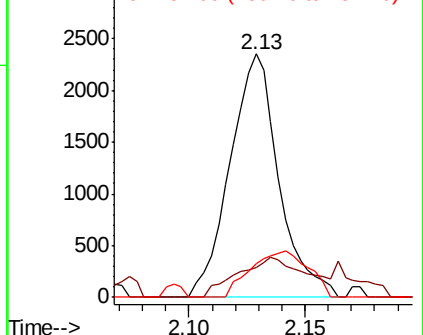
151 22.5 69.8 104.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.002 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013874.D

Acq: 02 Dec 2019 16:23

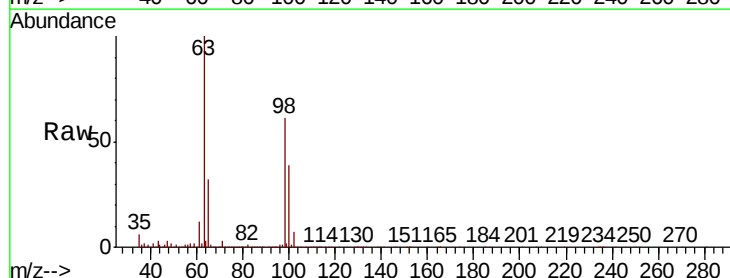
Tgt Ion: 96 Resp: 4411

Ion Ratio Lower Upper

96 100

61 1014.5 114.0 211.8#

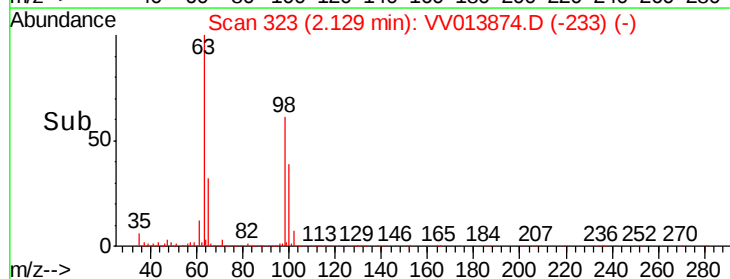
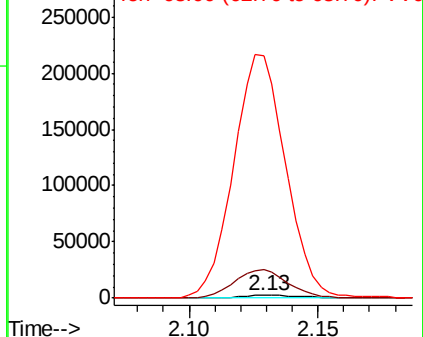
63 8729.2 80.3 149.1#

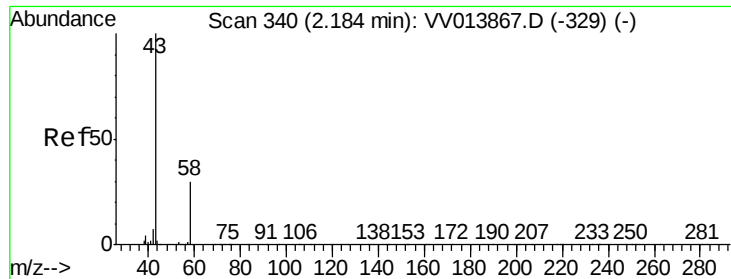


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 15.821 ug/L

RT: 2.15 min Scan# 330

Delta R.T. -0.03 min

Lab File: VV013874.D

Acq: 02 Dec 2019 16:23

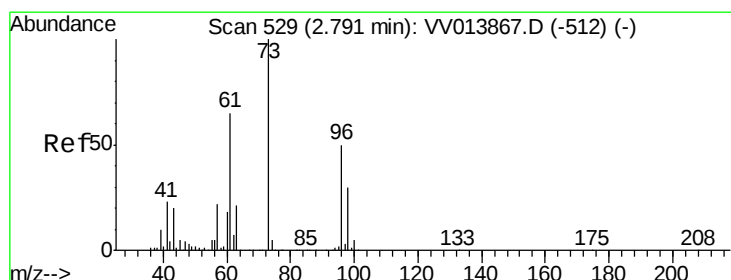
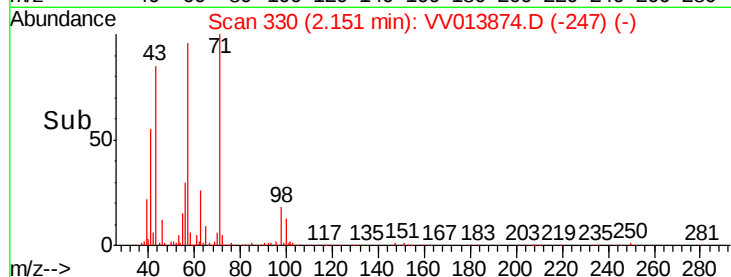
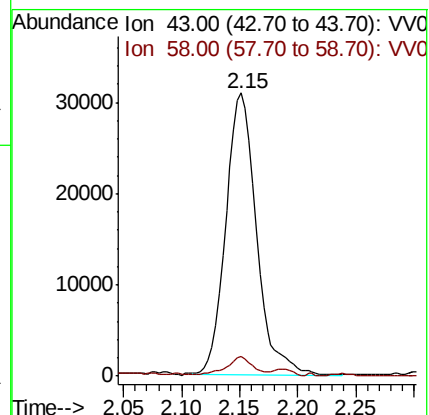
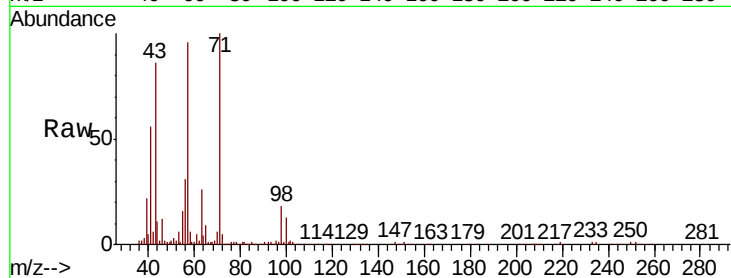
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 57187

Ion Ratio Lower Upper

43 100

58 5.3 0.0 60.8



#17

trans-1,2-Dichloroethene

Concen: 1.099 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV013874.D

Acq: 02 Dec 2019 16:23

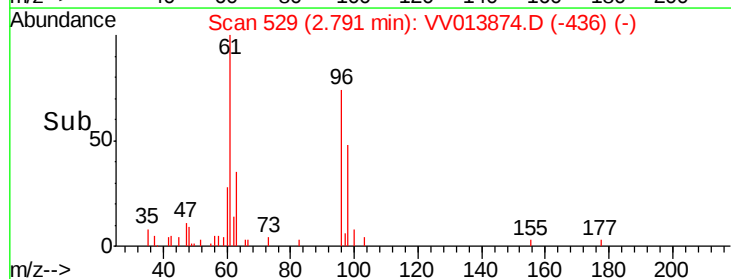
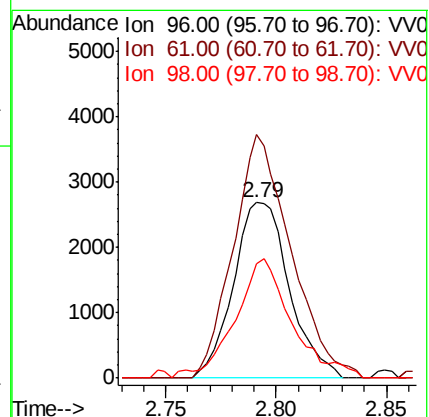
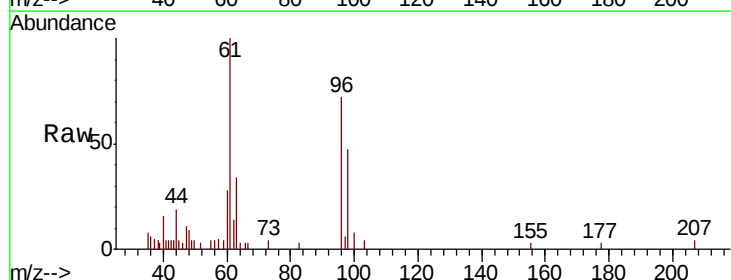
Tgt Ion: 96 Resp: 4734

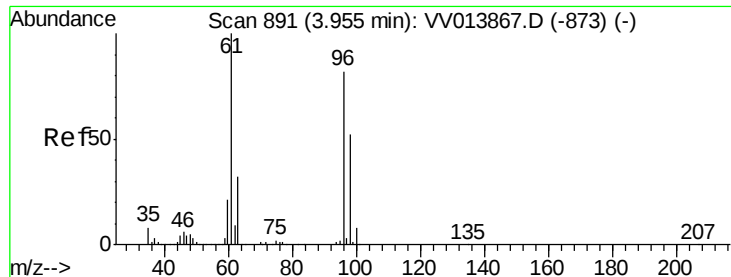
Ion Ratio Lower Upper

96 100

61 138.6 92.2 171.2

98 65.1 42.6 79.2



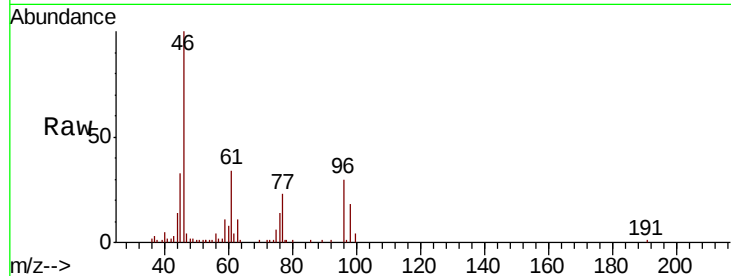


#20

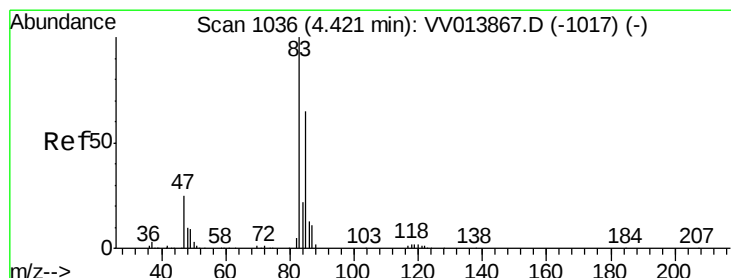
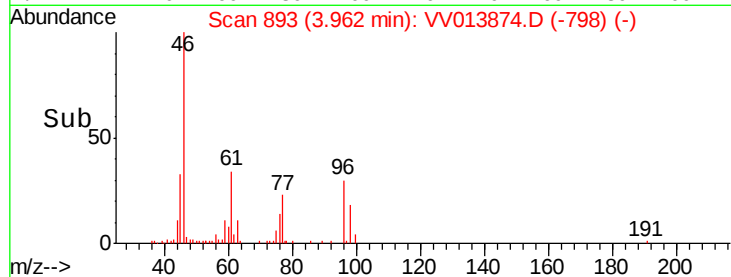
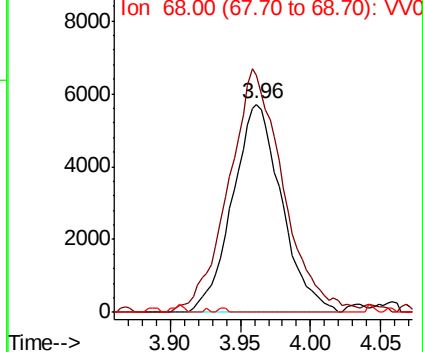
cis-1,2-Dichloroethene
Concen: 2.980 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VV013874.D
Acq: 02 Dec 2019 16:23

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 13894
Ion Ratio Lower Upper
96 100
61 113.8 85.3 158.5
68 0.0 0.0 0.0



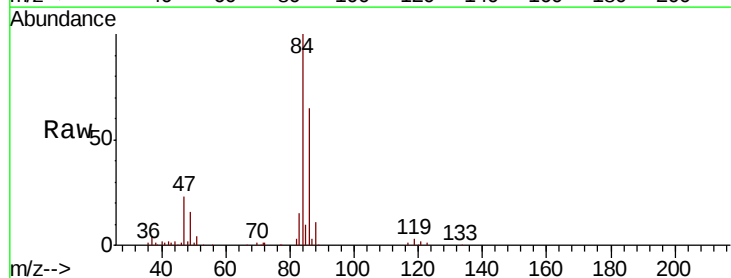
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



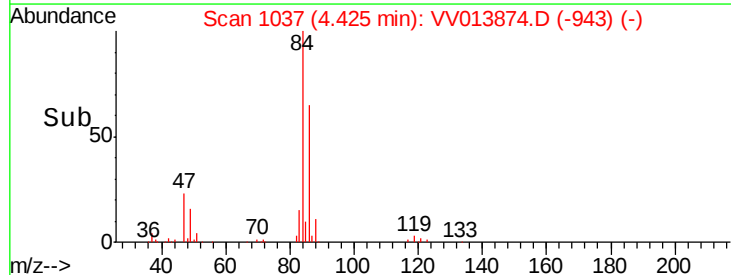
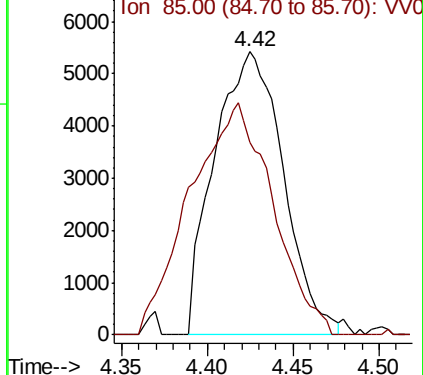
#25

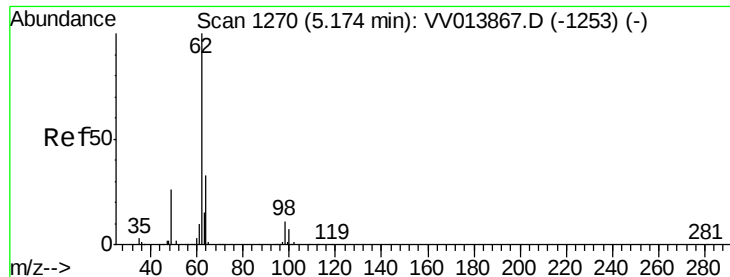
Chloroform
Concen: 1.827 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013874.D
Acq: 02 Dec 2019 16:23

Tgt Ion: 83 Resp: 15155
Ion Ratio Lower Upper
83 100
85 67.9 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 1.658 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VV013874.D

Acq: 02 Dec 2019 16:23

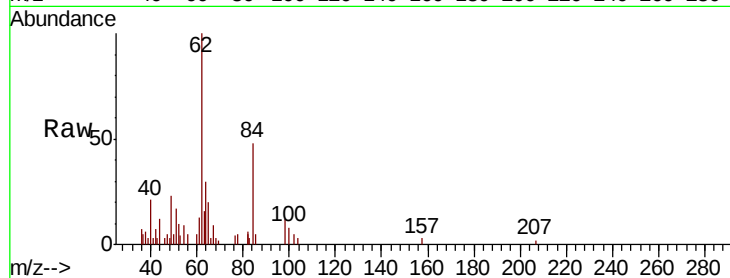
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 9905

Ion Ratio Lower Upper

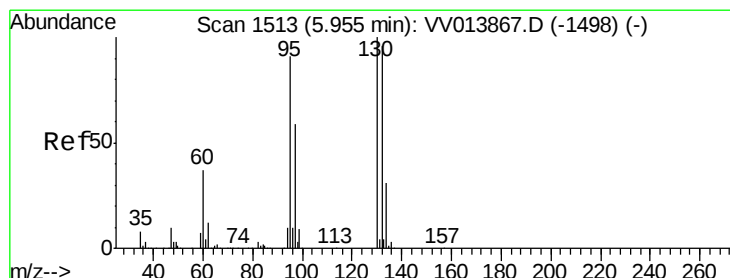
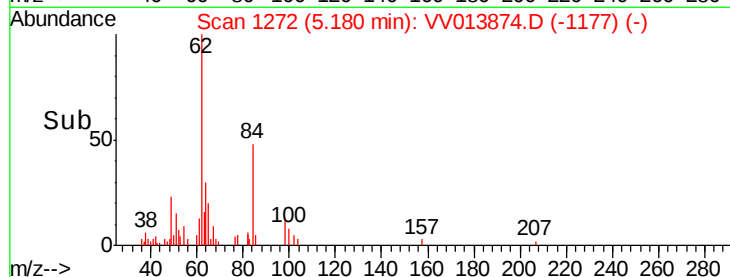
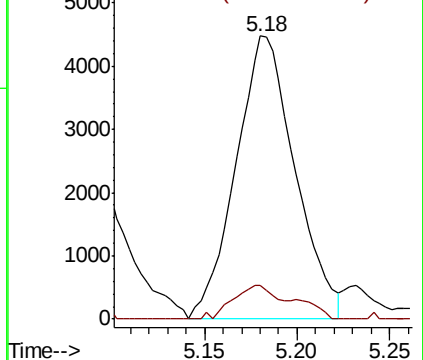
62 100

98 12.0 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV013867.D (-1253) (-)

Ion 98.00 (97.70 to 98.70): VV013867.D (-1253) (-)



#34

Trichloroethene

Concen: 21.563 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013874.D

Acq: 02 Dec 2019 16:23

Tgt Ion: 95 Resp: 98420

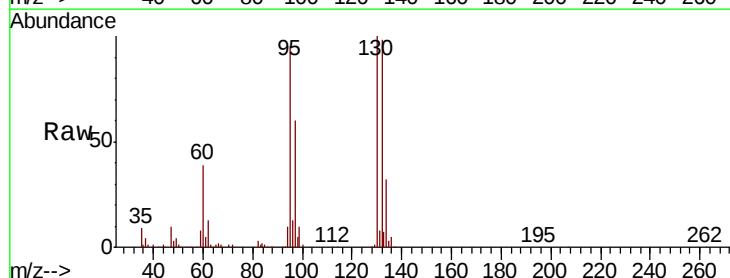
Ion Ratio Lower Upper

95 100

97 63.3 45.4 84.4

132 103.4 73.7 136.9

130 105.8 77.1 143.1

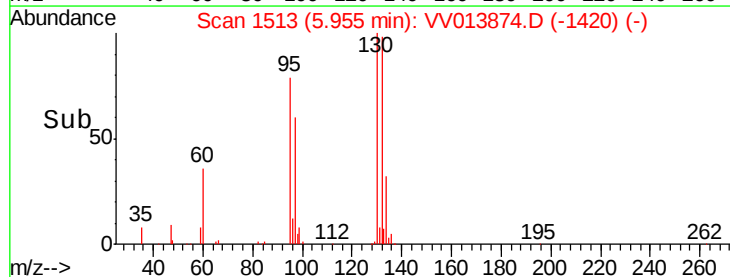
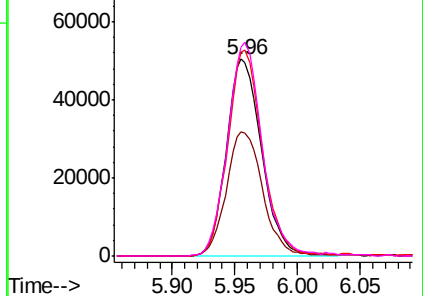


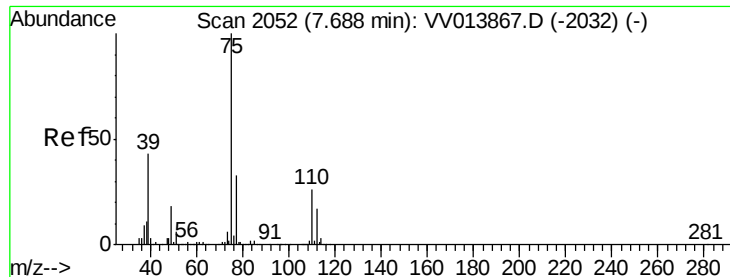
Abundance Ion 95.00 (94.70 to 95.70): VV013867.D (-1498) (-)

Ion 97.00 (96.70 to 97.70): VV013867.D (-1498) (-)

Ion 132.00 (131.70 to 132.70): VV013867.D (-1498) (-)

Ion 130.00 (129.70 to 130.70): VV013867.D (-1498) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.907 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013874.D

Acq: 02 Dec 2019 16:23

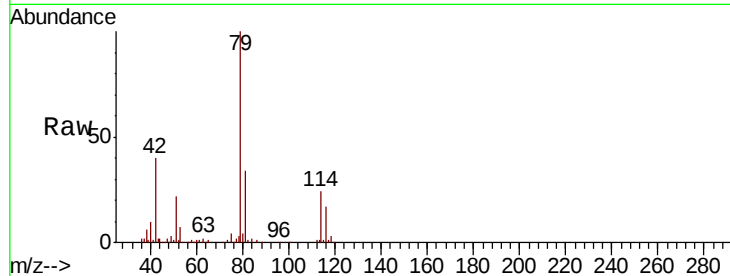
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 5323

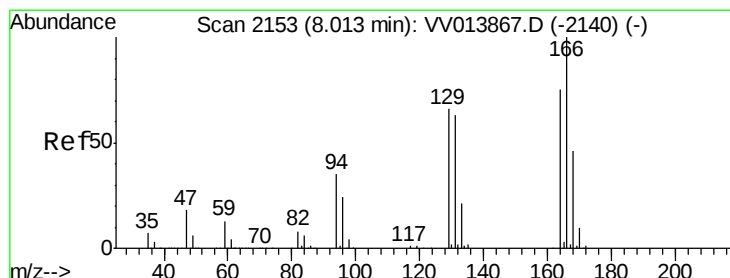
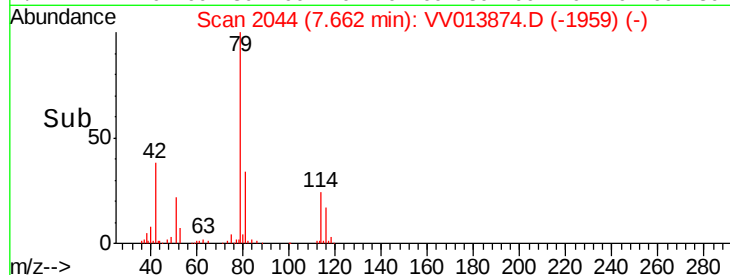
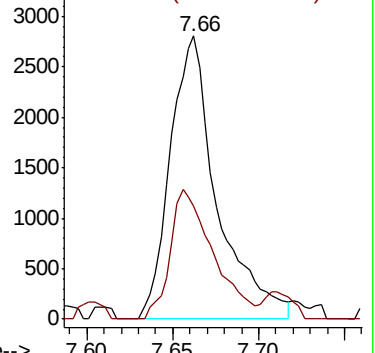
Ion Ratio Lower Upper

75 100

77 39.8 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VV013867.D (-2032) (-)



#46

Tetrachloroethene

Concen: 12.676 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013874.D

Acq: 02 Dec 2019 16:23

Tgt Ion: 164 Resp: 52207

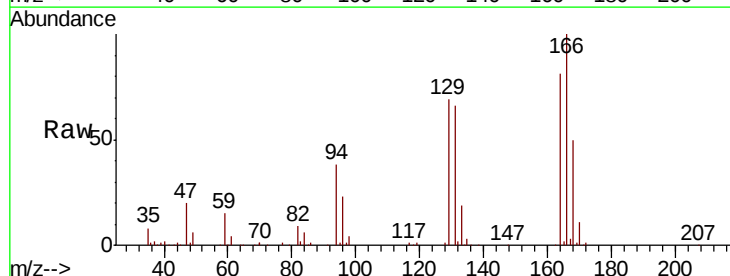
Ion Ratio Lower Upper

164 100

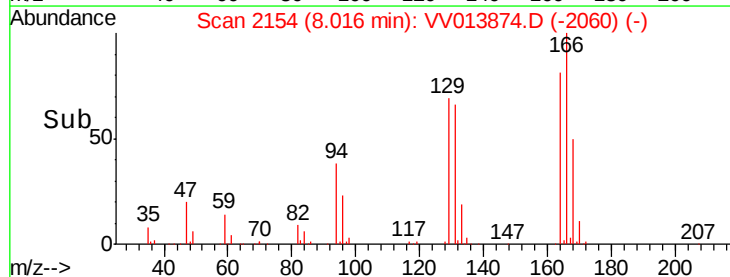
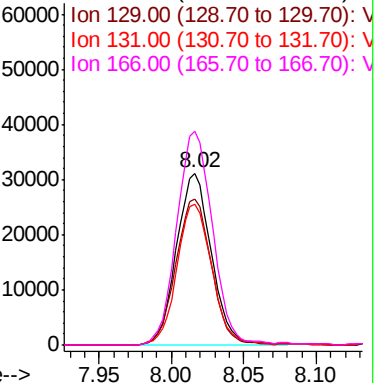
129 85.1 61.7 114.7

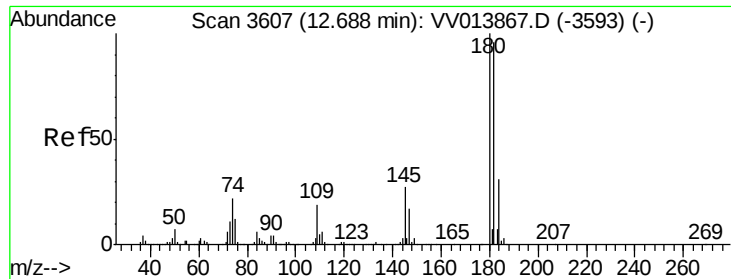
131 81.5 58.4 108.6

166 124.2 93.4 173.6



Abundance Ion 164.00 (163.70 to 164.70): VV013867.D (-2140) (-)

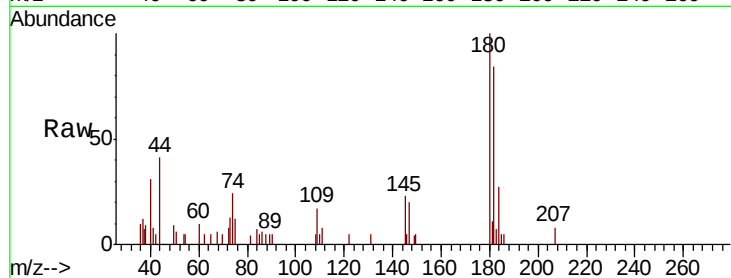




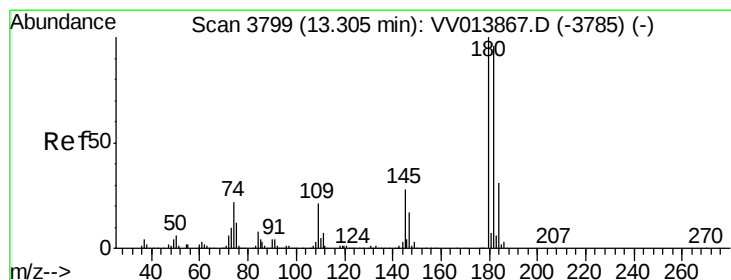
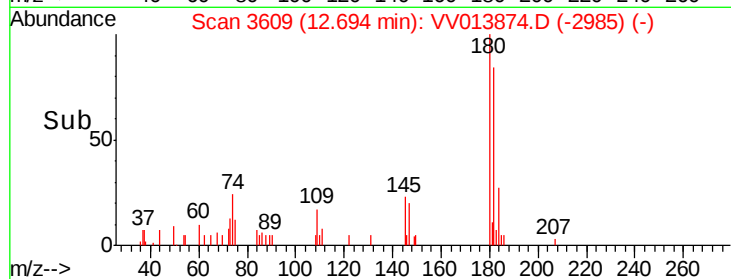
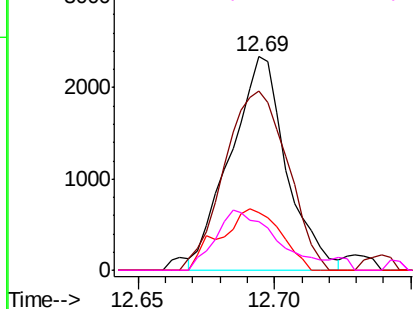
#67
 1,3,5-Trichlorobenzene
 Concen: 0.480 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.01 min
 Lab File: VV013874.D
 Acq: 02 Dec 2019 16:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	3331
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
184	25.8	24.2	36.4
145	30.1	21.1	31.7

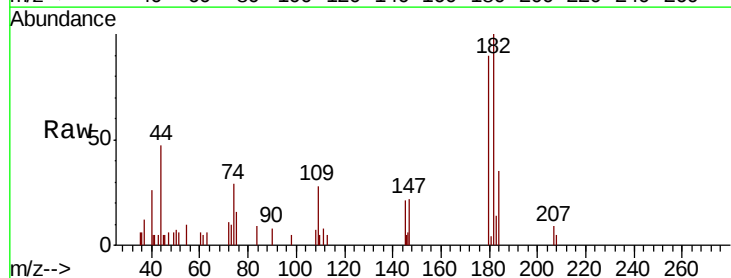


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

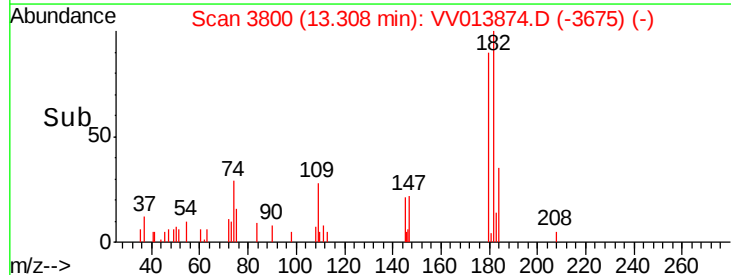
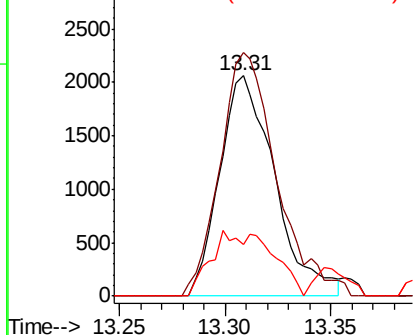


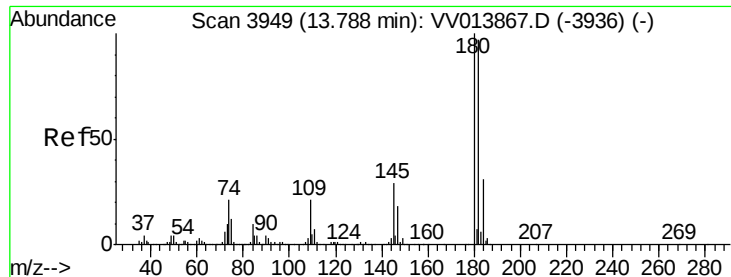
#68
 1,2,4-trichlorobenzene
 Concen: 0.598 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013874.D
 Acq: 02 Dec 2019 16:23

Tgt Ion:	180	Resp:	3743
Ion	Ratio	Lower	Upper
180	100		
182	107.1	76.2	114.4
145	15.8	21.9	32.9#



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: 0.498 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013874.D
 Acq: 02 Dec 2019 16:23

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.6	77.0	115.4
145	24.9	22.6	34.0

