

Data File : VV013399.D
Acq On : 29 Oct 2019 17:05
Operator : SY/MD
Sample : K5597-22
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQF1

Quant Time: Oct 30 02:54:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	348178	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	379824	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	182455	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	159269	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.58	69	127195	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.13	63	199767	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	3.96	46	396439	52.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.26%
24) Chloroform-d	4.40	84	317341	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.08	65	164102	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	643758	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.12	67	200358	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.36	98	526765	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	7.66	79	69324	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.14	63	209709	42.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	117108	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	197470	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2298	0.083	ug/L #	18
13) Acetone	2.22	43	35936	9.764	ug/L	78
15) Methyl Acetate	2.22	43	34075	2.473	ug/L #	56
16) Methylene chloride	2.53	84	6053	0.157	ug/L	96
25) Chloroform	4.42	83	38111	0.553	ug/L	100
35) Methylcyclohexane	6.12	83	49254	0.847	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	22279	0.621	ug/L #	91
48) 2-Hexanone	8.19	43	47916	3.354	ug/L #	81
63) 1,4-Dichlorobenzene	11.31	146	4562	0.074	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	3221	0.065	ug/L #	87
68) 1,2,4-trichlorobenzene	13.31	180	3964	0.104	ug/L #	95
69) Naphthalene	13.56	128	5411	0.104	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.79	180	2889	0.083	ug/L #	96

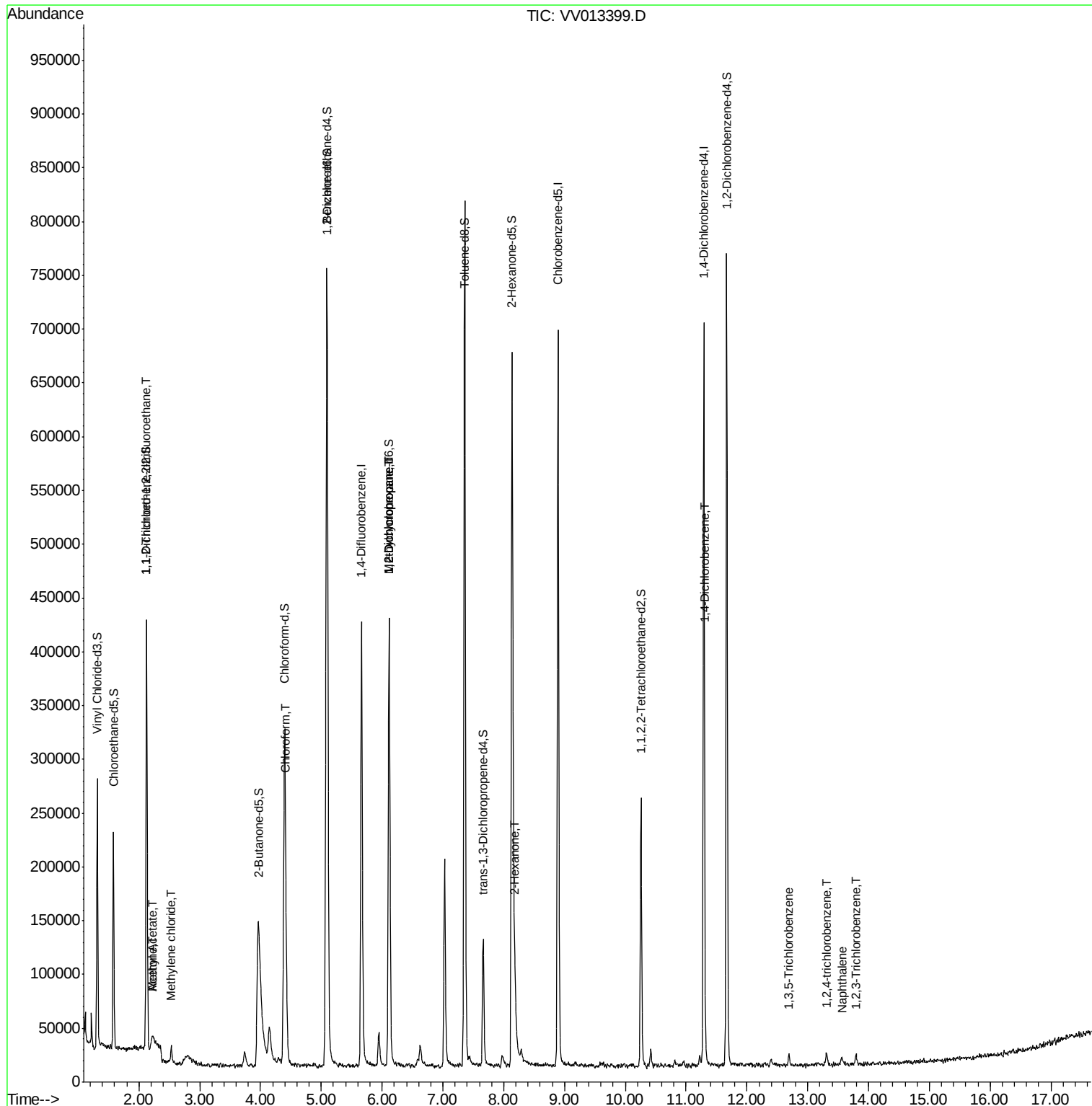
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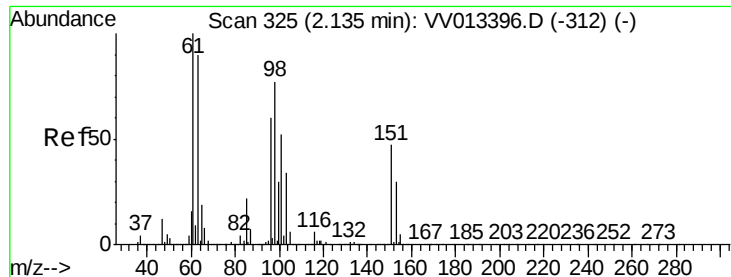
Data File : VV013399.D

```
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration





#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013399.D

Acq: 29 Oct 2019 17:05

Instrument :

MSVOA_V

ClientSampleId :

GAQF1

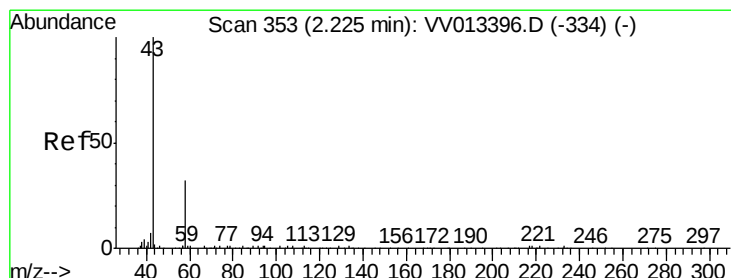
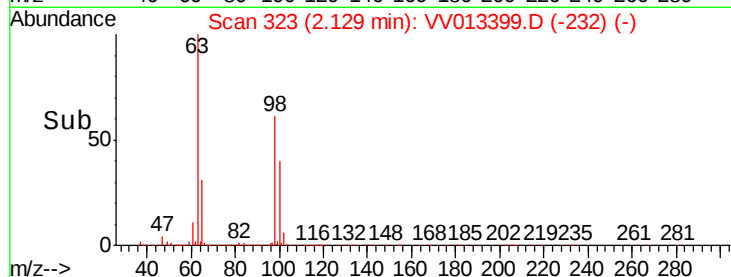
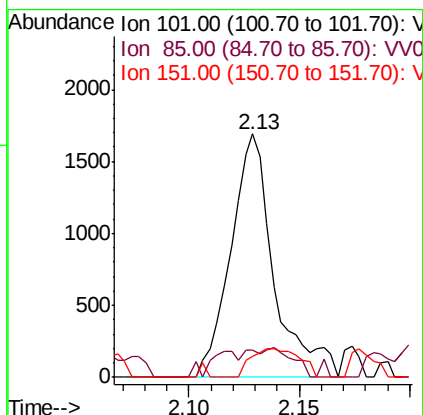
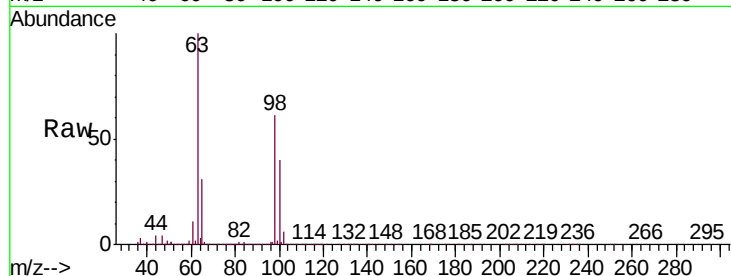
Tgt Ion:101 Resp: 2298

Ion Ratio Lower Upper

101 100

85 4.5 33.0 49.4#

151 0.0 68.2 102.2#



#13

Acetone

Concen: 9.764 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV013399.D

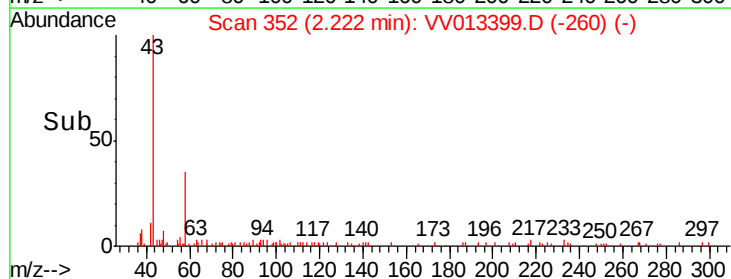
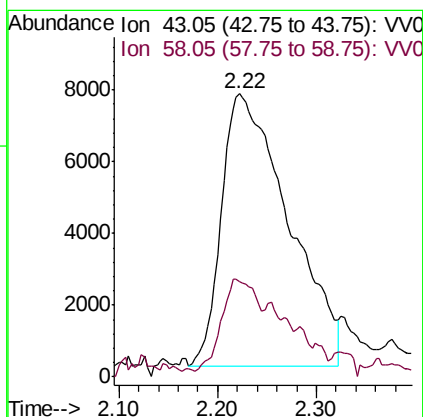
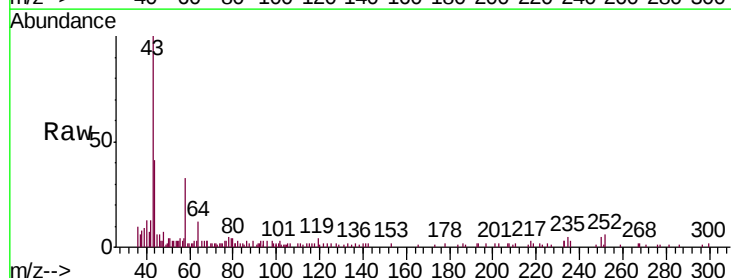
Acq: 29 Oct 2019 17:05

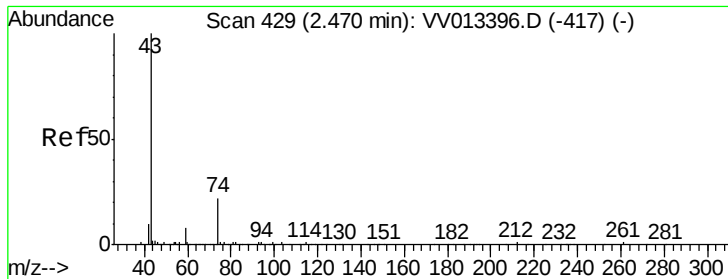
Tgt Ion: 43 Resp: 35936

Ion Ratio Lower Upper

43 100

58 17.6 0.0 59.0

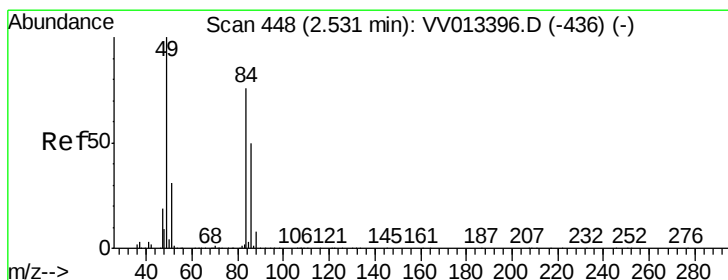
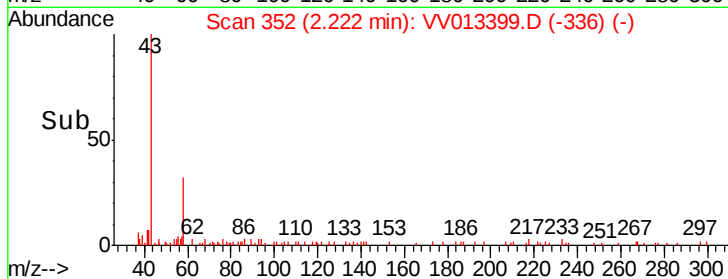
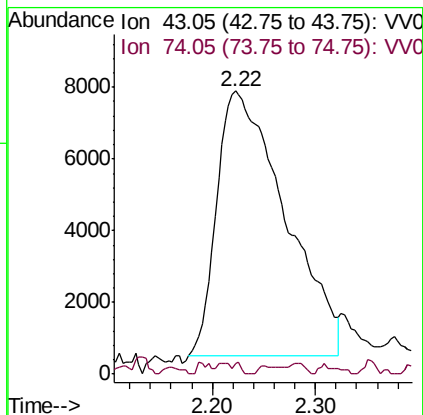
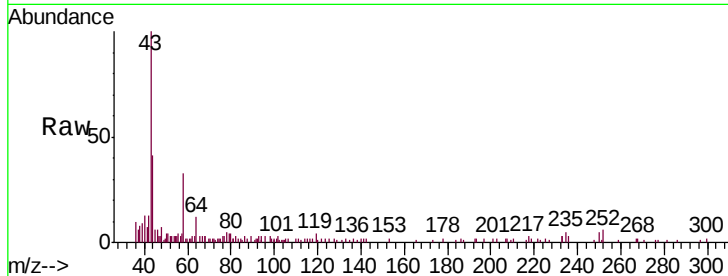




#15
Methyl Acetate
Concen: 2.473 ug/L
RT: 2.22 min Scan# 352
Delta R.T. -0.25 min
Lab File: VV013399.D
Acq: 29 Oct 2019 17:05

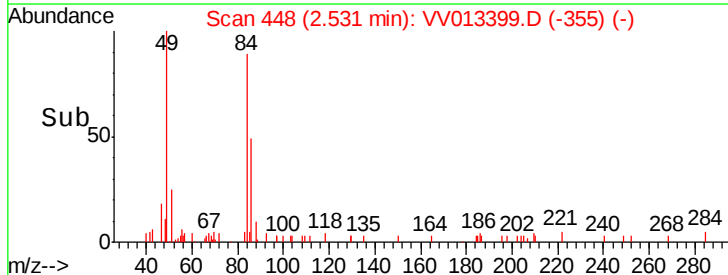
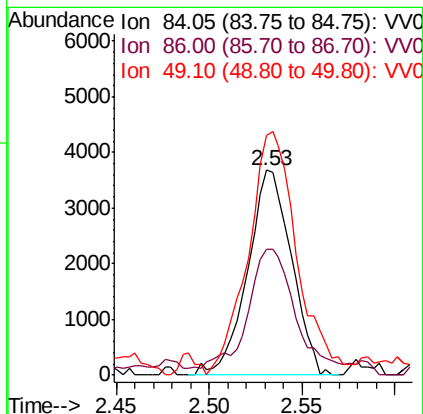
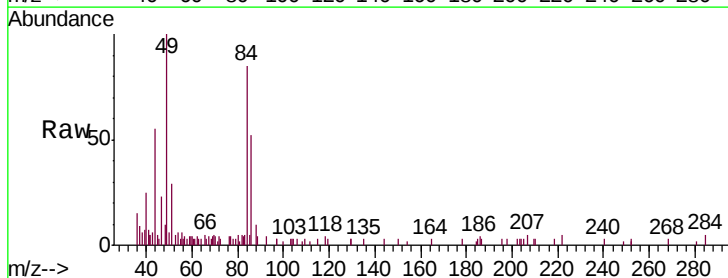
Instrument :
MSVOA_V
ClientSampleId :
GAQF1

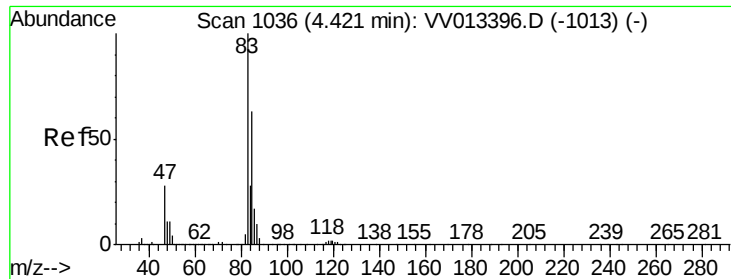
Tgt Ion: 43 Resp: 34075
Ion Ratio Lower Upper
43 100
74 0.4 17.0 25.6#



#16
Methylene chloride
Concen: 0.157 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013399.D
Acq: 29 Oct 2019 17:05

Tgt Ion: 84 Resp: 6053
Ion Ratio Lower Upper
84 100
86 61.2 43.8 81.4
49 124.2 90.4 168.0

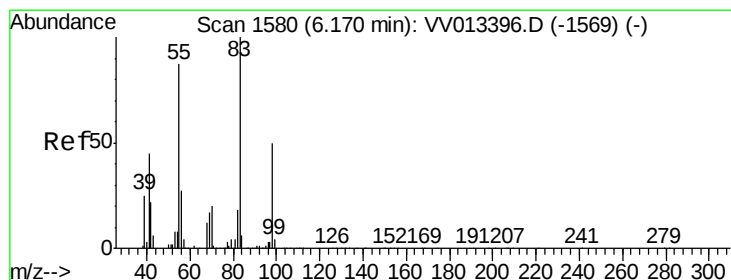
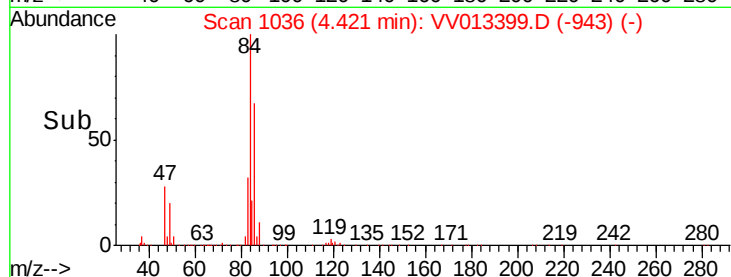
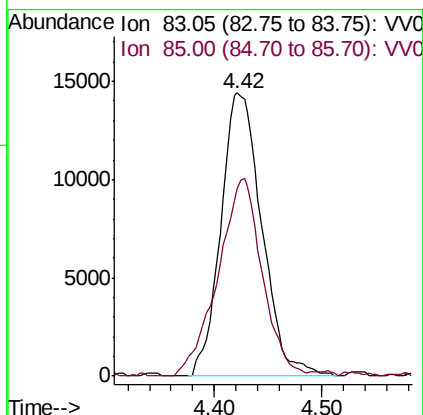
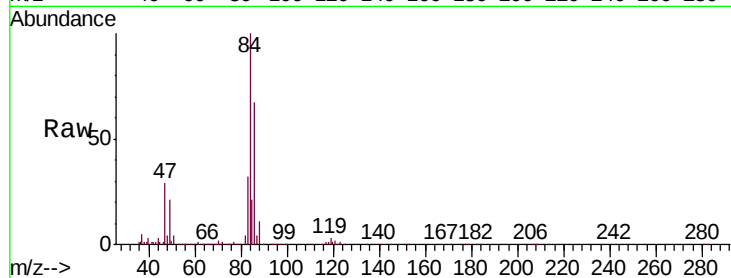




#25
Chloroform
Concen: 0.553 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013399.D
Acq: 29 Oct 2019 17:05

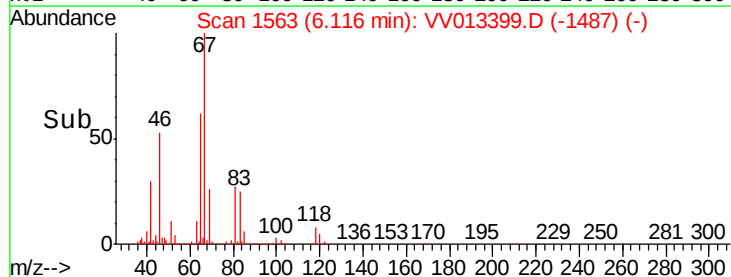
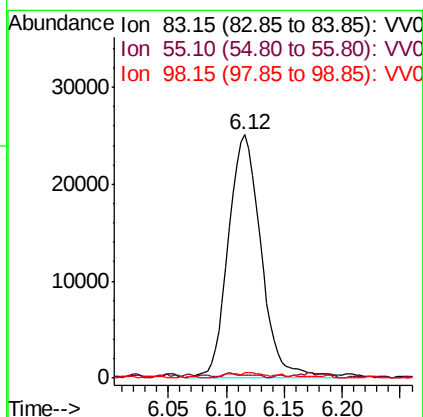
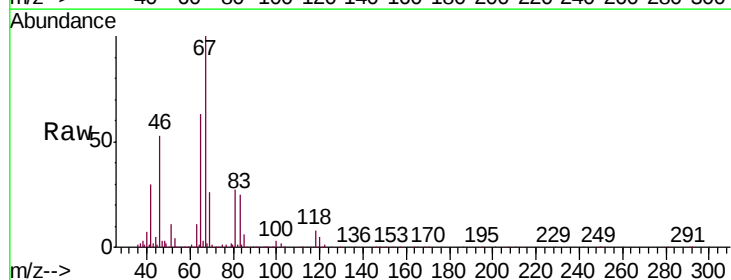
Instrument :
MSVOA_V
ClientSampleId :
GAQF1

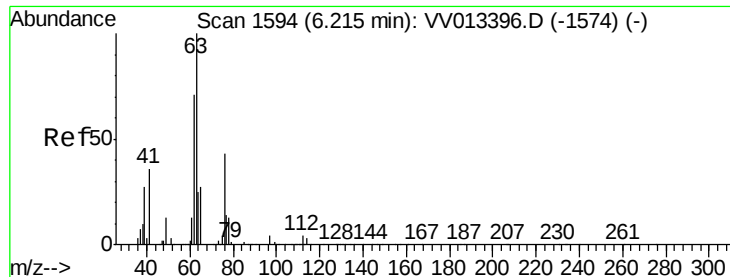
Tgt Ion: 83 Resp: 38111
Ion Ratio Lower Upper
83 100
85 66.4 46.5 86.5



#35
Methylcyclohexane
Concen: 0.847 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013399.D
Acq: 29 Oct 2019 17:05

Tgt Ion: 83 Resp: 49254
Ion Ratio Lower Upper
83 100
55 0.3 66.0 99.0#
98 1.0 38.2 57.4#

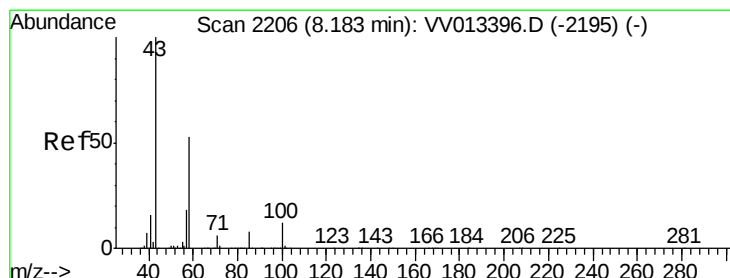
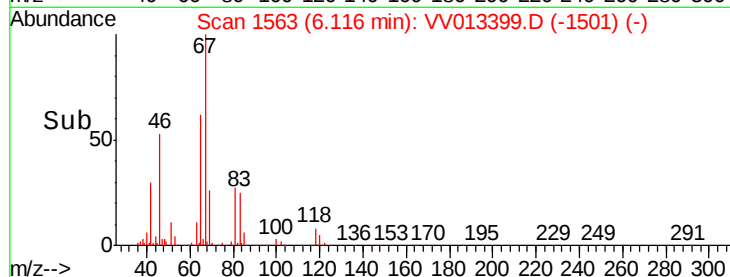
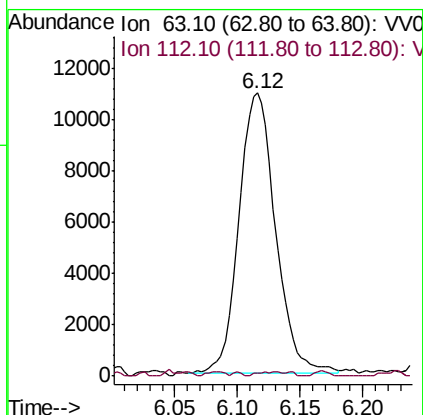
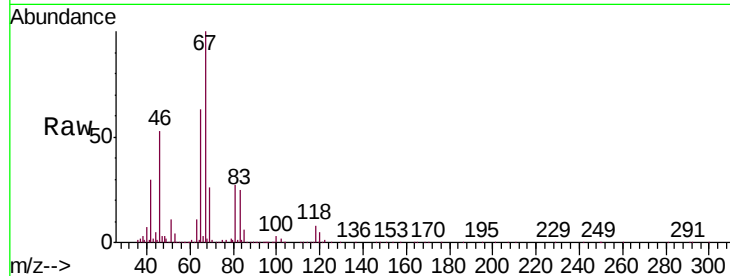




#37
 1,2-Dichloropropane
 Concen: 0.621 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013399.D
 Acq: 29 Oct 2019 17:05

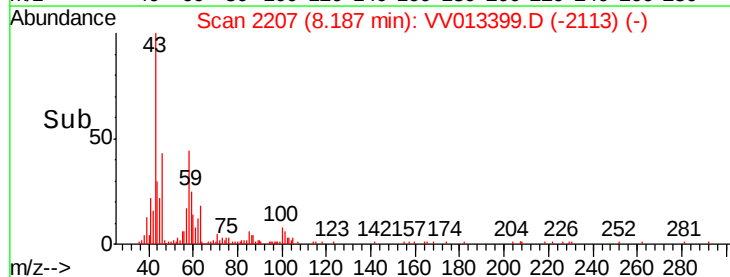
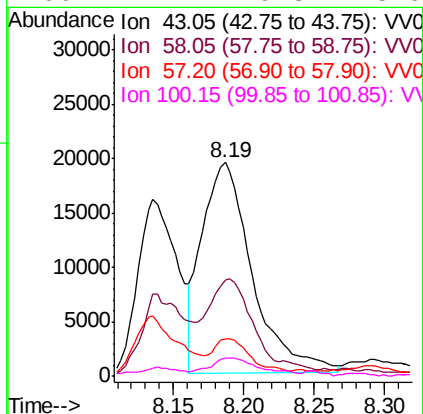
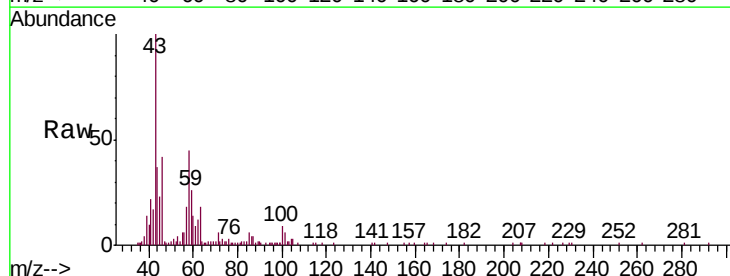
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQF1

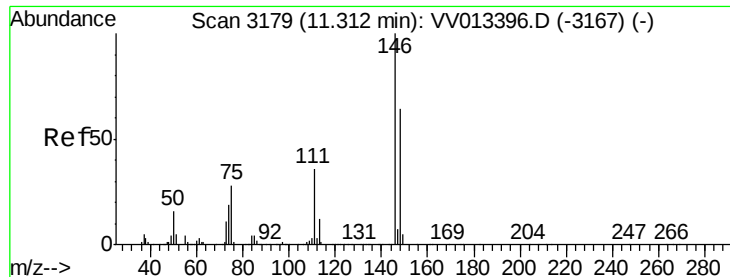
Tgt Ion: 63 Resp: 22279
 Ion Ratio Lower Upper
 63 100
 112 1.4 3.6 5.4#



#48
 2-Hexanone
 Concen: 3.354 ug/L
 RT: 8.19 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VV013399.D
 Acq: 29 Oct 2019 17:05

Tgt Ion: 43 Resp: 47916
 Ion Ratio Lower Upper
 43 100
 58 39.1 43.5 65.3#
 57 10.7 14.3 21.5#
 100 7.2 9.3 13.9#

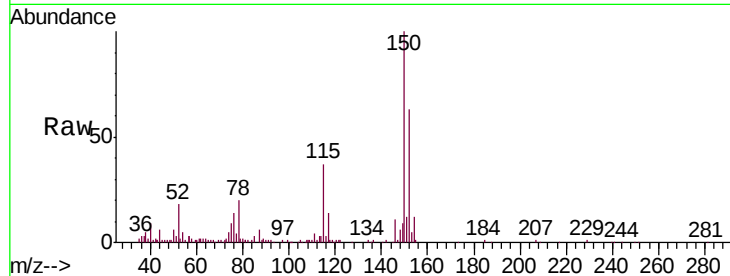




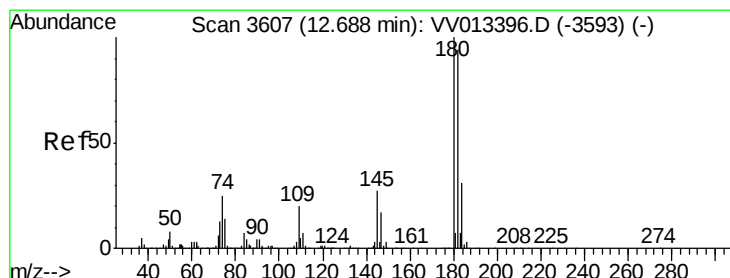
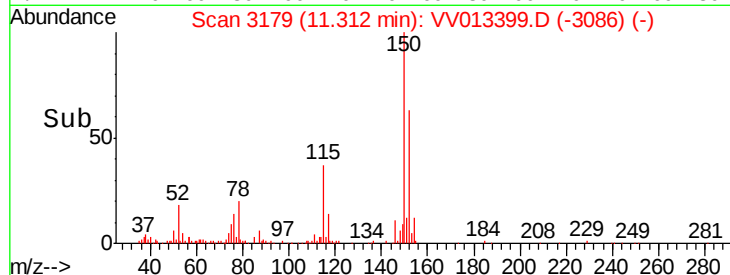
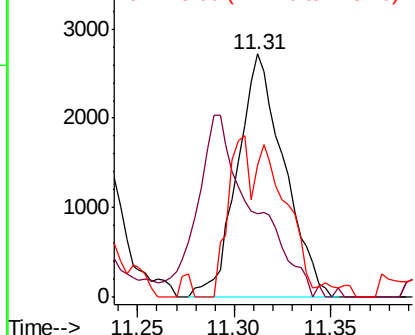
#63
 1,4-Dichlorobenzene
 Concen: 0.074 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013399.D
 Acq: 29 Oct 2019 17:05

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQF1

Tgt Ion:146 Resp: 4562
 Ion Ratio Lower Upper
 146 100
 111 34.3 25.4 47.2
 148 54.4 44.9 83.5

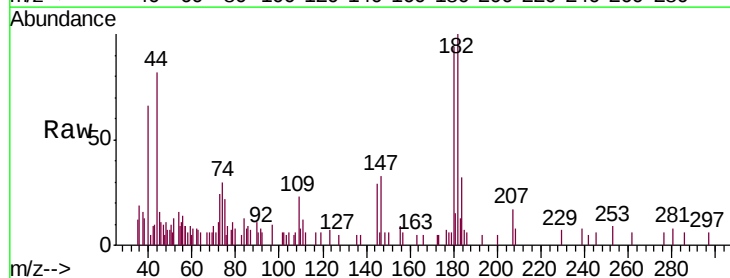


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

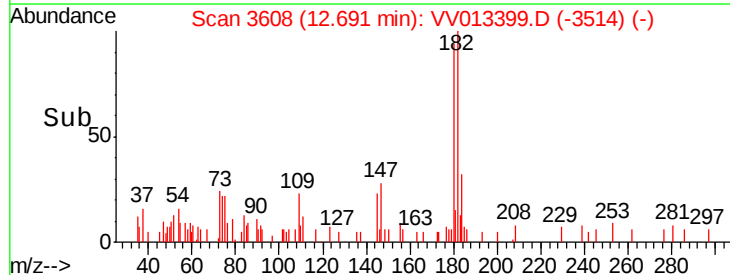
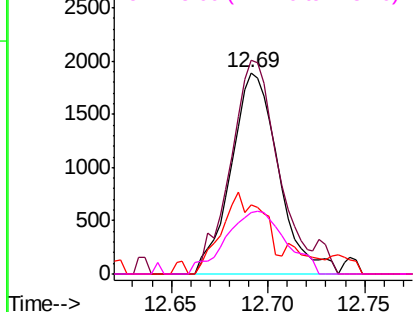


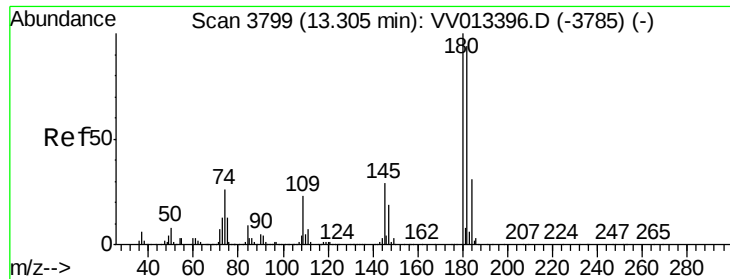
#67
 1,3,5-Trichlorobenzene
 Concen: 0.065 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013399.D
 Acq: 29 Oct 2019 17:05

Tgt Ion:180 Resp: 3221
 Ion Ratio Lower Upper
 180 100
 182 105.3 76.4 114.6
 184 37.1 24.6 36.8#
 145 39.4 22.2 33.2#



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

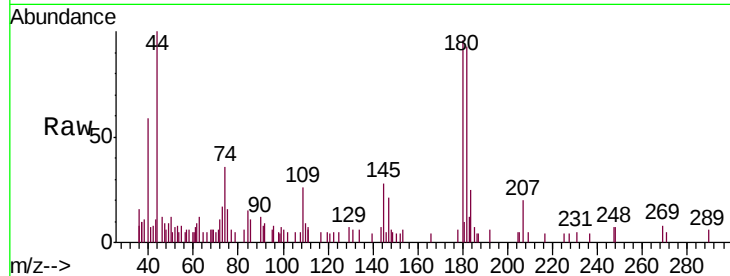




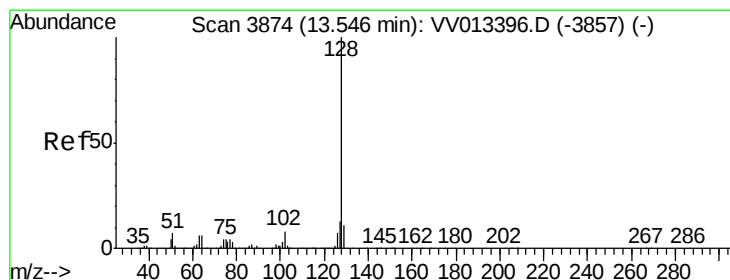
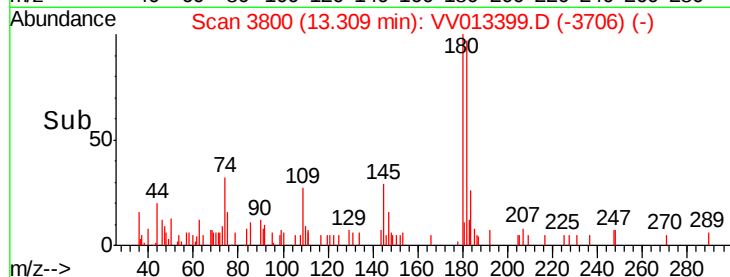
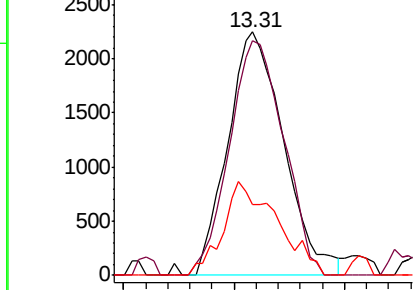
#68
 1,2,4-trichlorobenzene
 Concen: 0.104 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013399.D
 Acq: 29 Oct 2019 17:05

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQF1

Tgt Ion:180 Resp: 3964
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.2 114.4
 145 37.4 22.5 33.7#

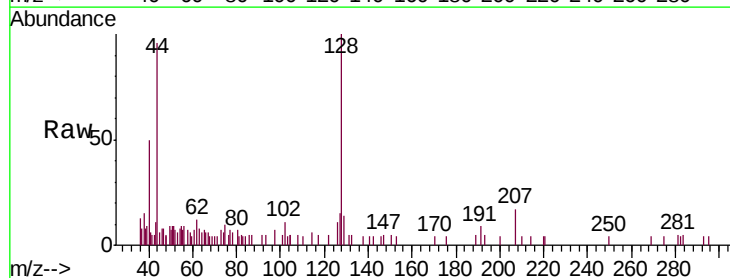


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

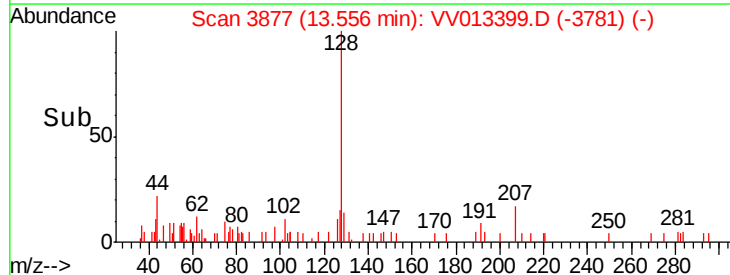
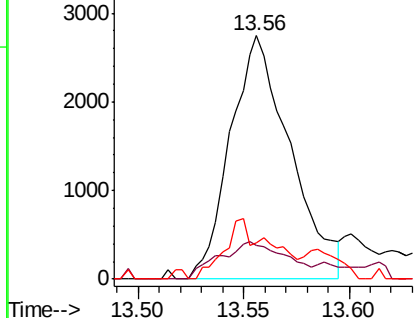


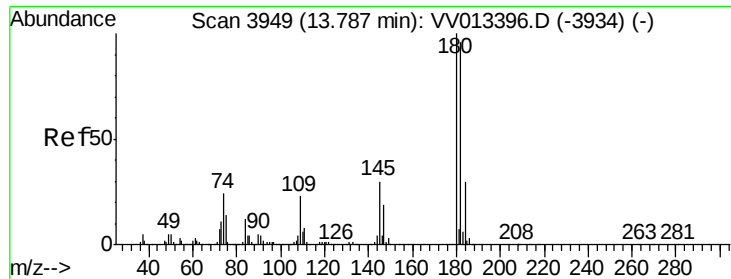
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 Naphthalene
 Concen: 0.104 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: VV013399.D
 Acq: 29 Oct 2019 17:05

Tgt Ion:128 Resp: 5411
 Ion Ratio Lower Upper
 128 100
 129 17.2 8.7 13.1#
 127 11.7 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

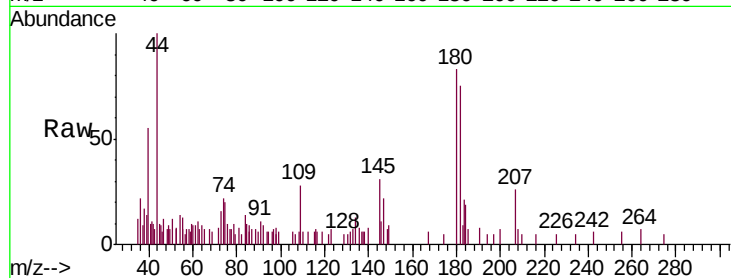




#70
 1,2,3-Trichlorobenzene
 Concen: 0.083 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.01 min
 Lab File: VV013399.D
 Acq: 29 Oct 2019 17:05

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQF1

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	39.3	24.1	36.1



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

