

Data File : VV013436.D
Acq On : 30 Oct 2019 17:03
Operator : SY/MD
Sample : K5597-17DL 20X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE9

Quant Time: Oct 31 02:47:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	345008	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	362556	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	192182	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111025	3.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.40%
7) Chloroethane-d5	1.58	69	105543	4.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.00%
11) 1,1-Dichloroethene-d2	2.13	63	152423	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	3.96	46	386292	51.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.50%
24) Chloroform-d	4.40	84	290308	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.08	65	154206	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.10	84	563242	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.12	67	184244	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.36	98	467089	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	7.66	79	63198	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.13	63	234411	50.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	127628	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	188533	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

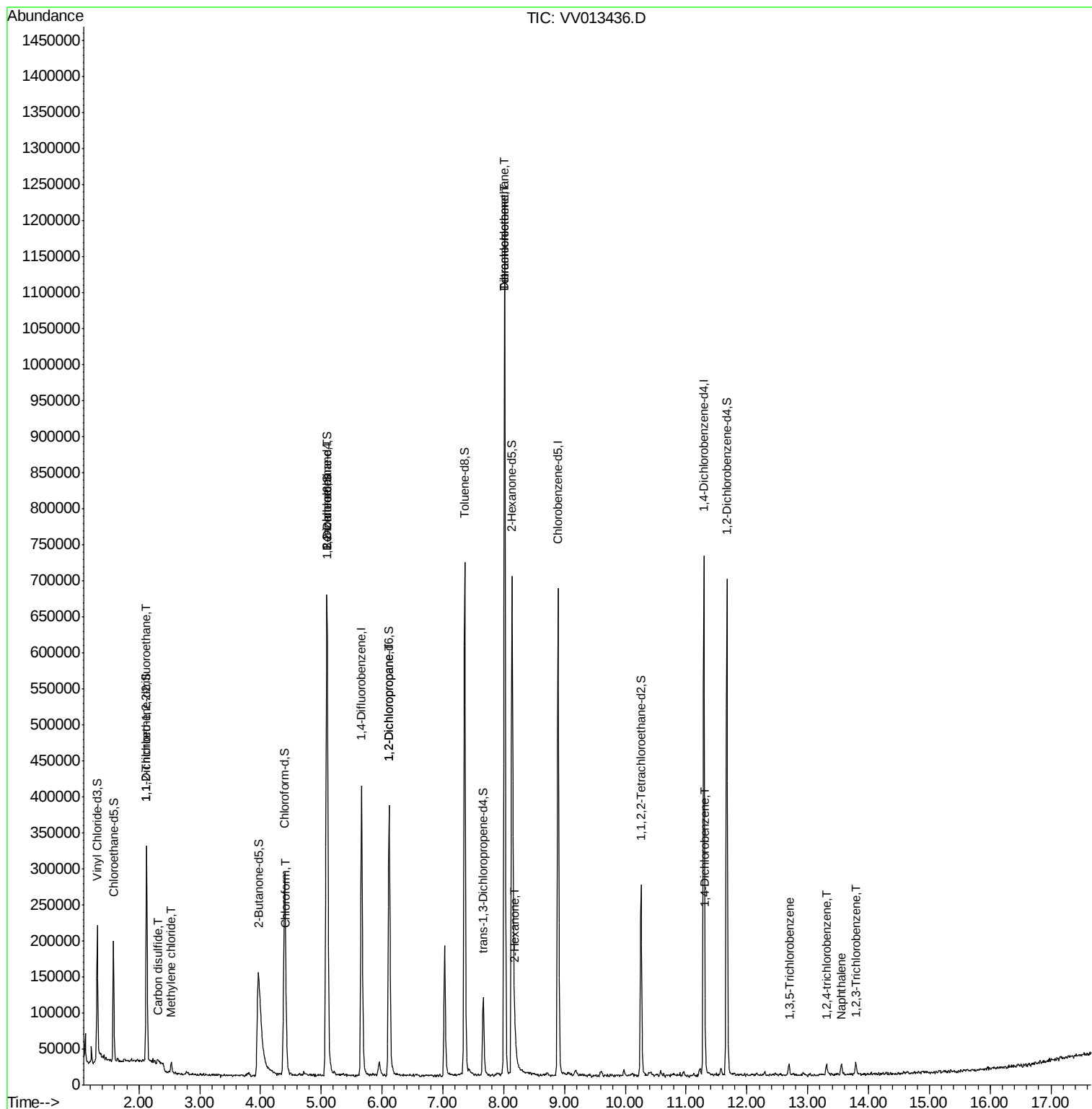
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2105	0.076	ug/L #	30
14) Carbon disulfide	2.32	76	4227	0.053	ug/L #	72
16) Methylene chloride	2.53	84	6020	0.157	ug/L	96
25) Chloroform	4.43	83	14312	0.210	ug/L	94
27) 1,2-Dichloroethane	5.09	62	3238	0.086	ug/L	99
37) 1,2-Dichloropropane	6.12	63	20613	0.602	ug/L #	89
47) Tetrachloroethene	8.02	164	283763	9.005	ug/L	98
48) 2-Hexanone	8.19	43	22173	1.626	ug/L #	84
49) Dibromochloromethane	8.02	129	236170	8.372	ug/L #	11
63) 1,4-Dichlorobenzene	11.32	146	4576	0.071	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	4705	0.091	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	5282	0.132	ug/L	95
69) Naphthalene	13.55	128	12829	0.233	ug/L	95
70) 1,2,3-Trichlorobenzene	13.79	180	4941	0.135	ug/L #	94

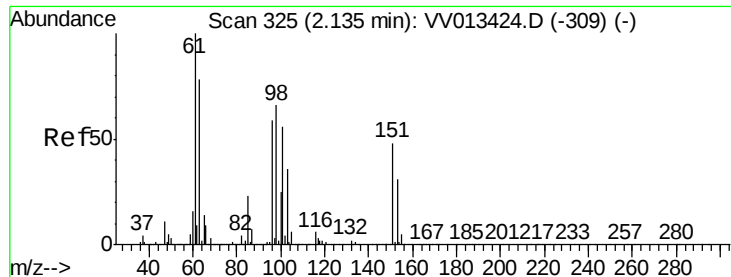
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.076 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013436.D

Acq: 30 Oct 2019 17:03

Instrument :

MSVOA_V

ClientSampleId :

GAQE9

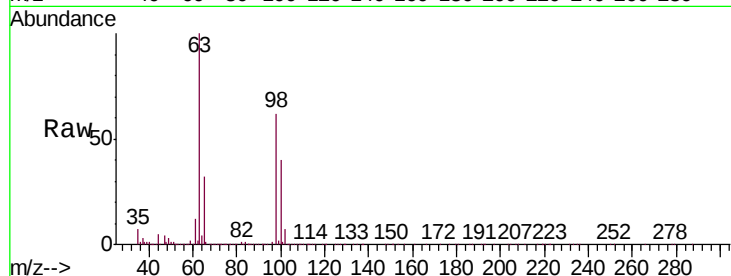
Tgt Ion: 101 Resp: 2105

Ion Ratio Lower Upper

101 100

85 16.0 33.0 49.4#

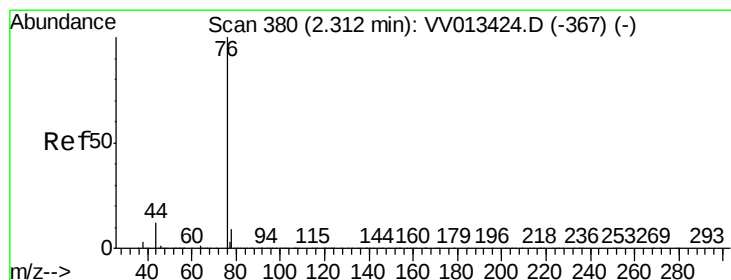
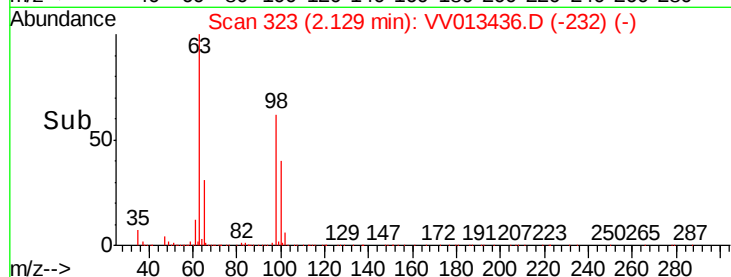
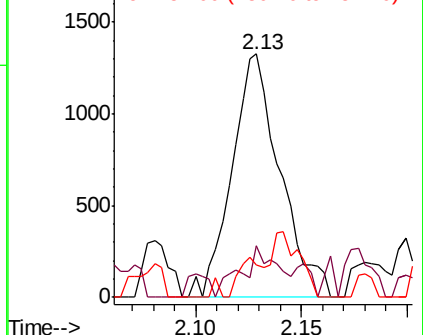
151 7.8 68.2 102.2#



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



#14

Carbon disulfide

Concen: 0.053 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013436.D

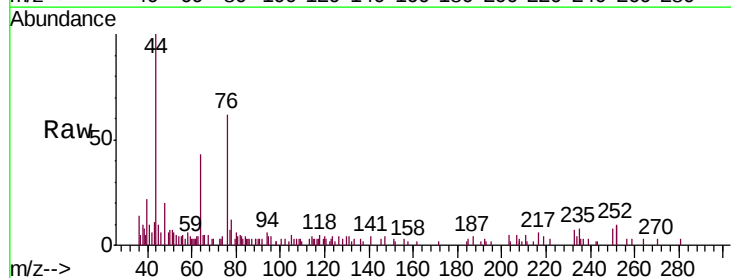
Acq: 30 Oct 2019 17:03

Tgt Ion: 76 Resp: 4227

Ion Ratio Lower Upper

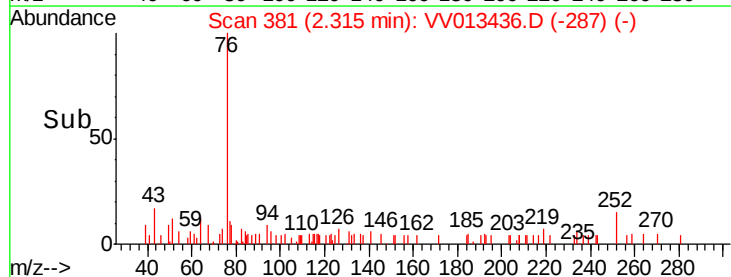
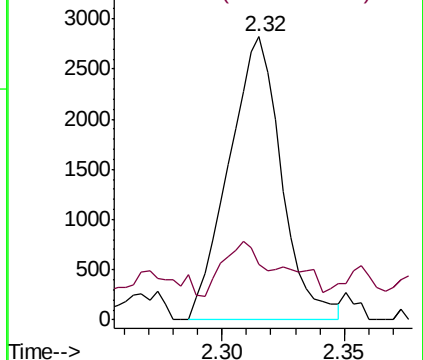
76 100

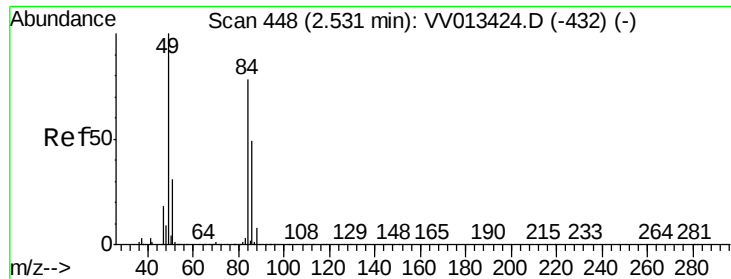
78 19.8 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

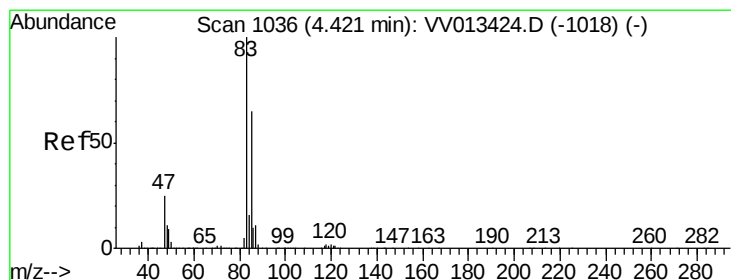
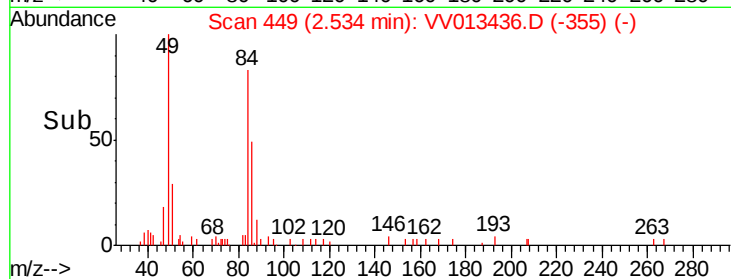
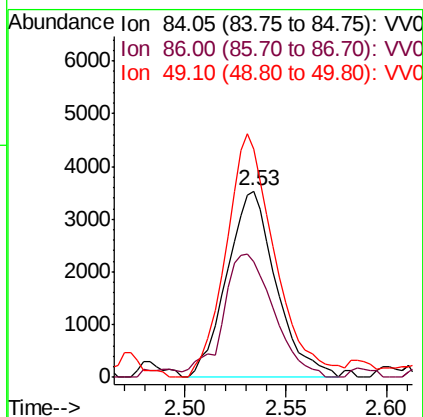
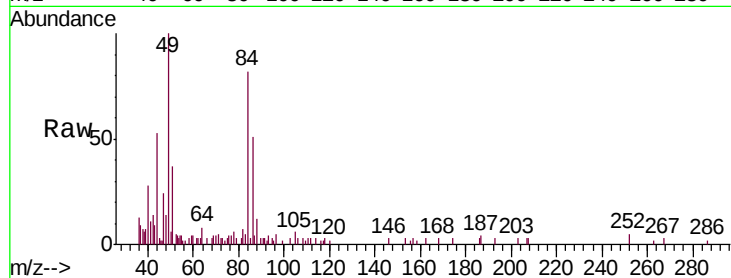




#16
Methylene chloride
Concen: 0.157 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013436.D
Acq: 30 Oct 2019 17:03

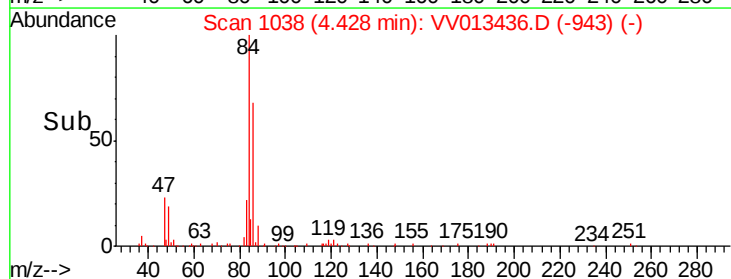
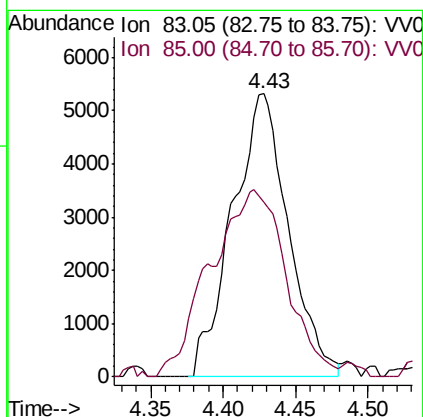
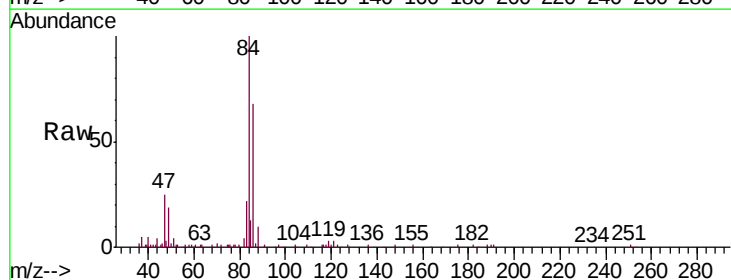
Instrument :
MSVOA_V
ClientSampleId :
GAQE9

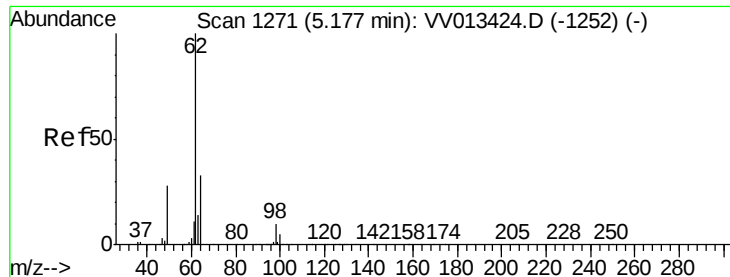
Tgt Ion: 84 Resp: 6020
Ion Ratio Lower Upper
84 100
86 62.0 43.8 81.4
49 122.2 90.4 168.0



#25
Chloroform
Concen: 0.210 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013436.D
Acq: 30 Oct 2019 17:03

Tgt Ion: 83 Resp: 14312
Ion Ratio Lower Upper
83 100
85 61.8 46.5 86.5





#27

1,2-Dichloroethane

Concen: 0.086 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.08 min

Lab File: VV013436.D

Acq: 30 Oct 2019 17:03

Instrument :

MSVOA_V

ClientSampleId :

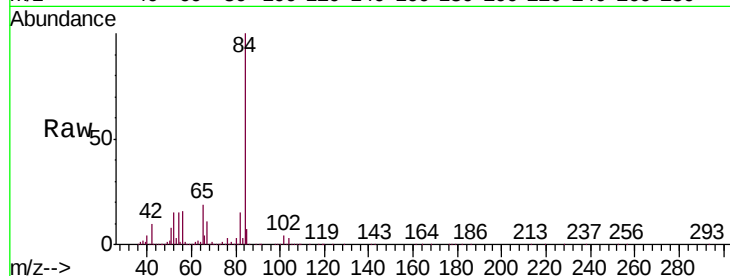
GAQE9

Tgt Ion: 62 Resp: 3238

Ion Ratio Lower Upper

62 100

98 10.2 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.09

2000

1500

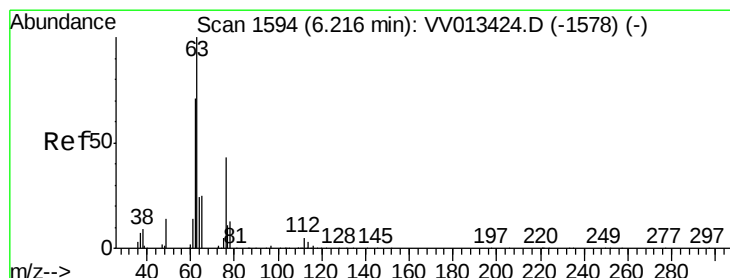
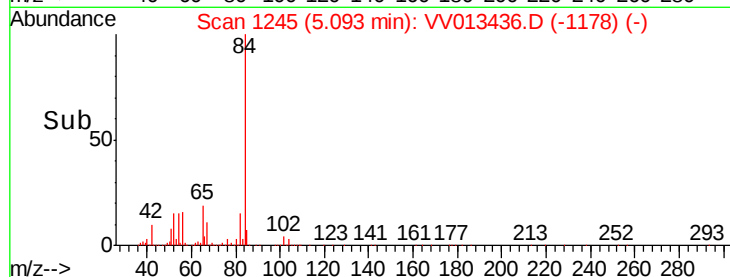
1000

500

0

5.05 5.10 5.15

Time-->



#37

1,2-Dichloropropane

Concen: 0.602 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013436.D

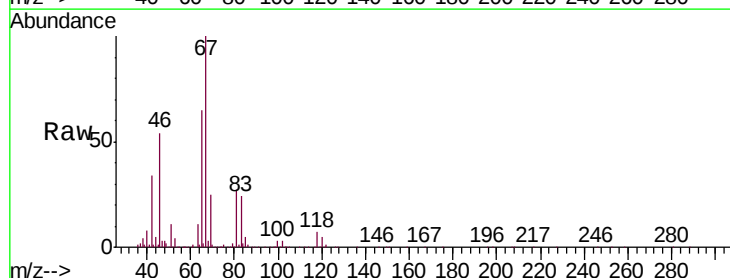
Acq: 30 Oct 2019 17:03

Tgt Ion: 63 Resp: 20613

Ion Ratio Lower Upper

63 100

112 1.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

12000

10000

8000

6000

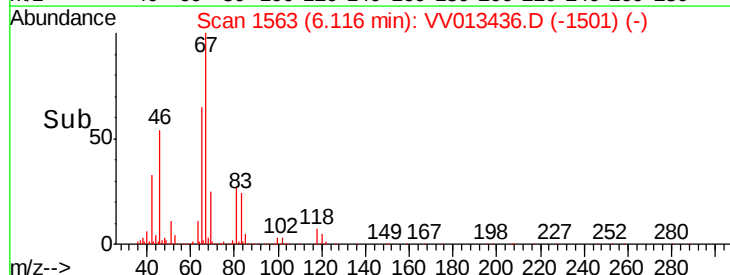
4000

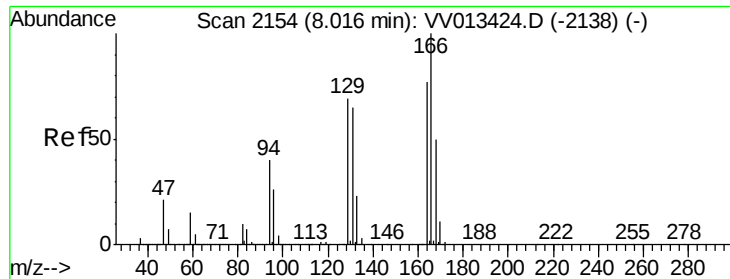
2000

0

6.05 6.10 6.15 6.20

Time-->





#47

Tetrachloroethene

Concen: 9.005 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013436.D

Acq: 30 Oct 2019 17:03

Instrument :

MSVOA_V

ClientSampleId :

GAQE9

Tgt Ion:164 Resp: 283763

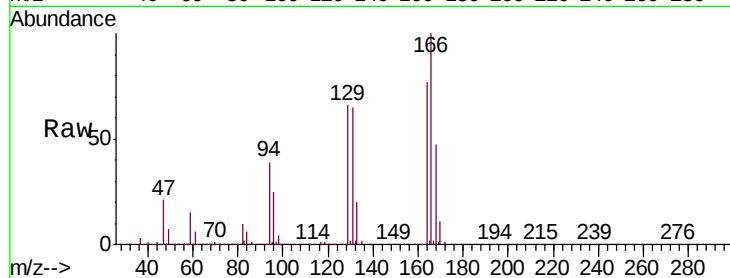
Ion Ratio Lower Upper

164 100

129 86.0 63.4 117.8

131 83.9 60.3 112.1

166 129.9 90.8 168.6

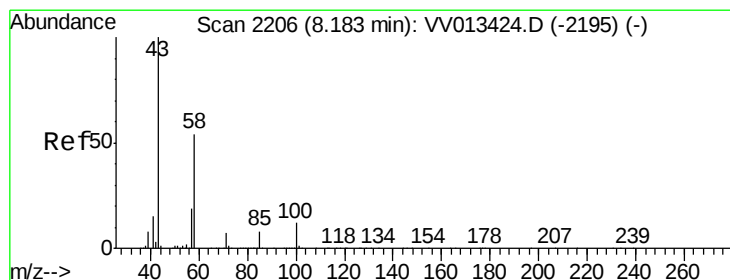
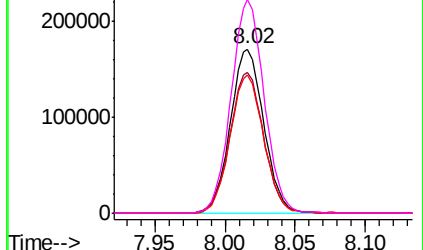
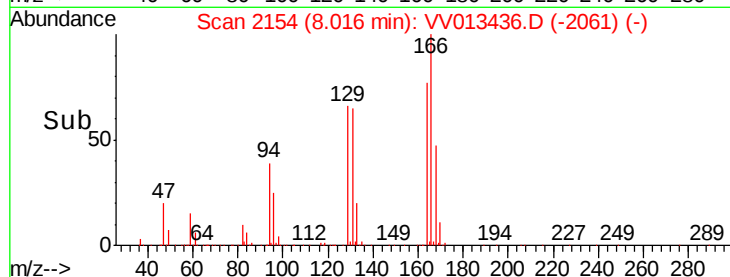


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.626 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV013436.D

Acq: 30 Oct 2019 17:03

Tgt Ion: 43 Resp: 22173

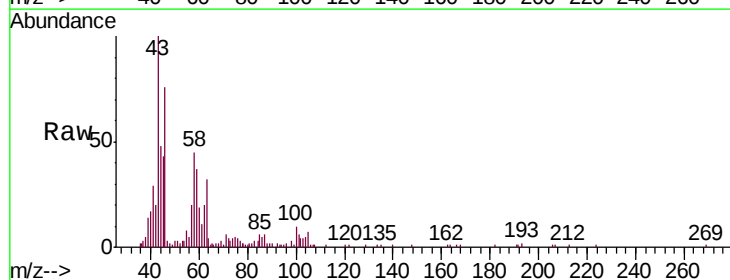
Ion Ratio Lower Upper

43 100

58 40.5 43.5 65.3#

57 21.5 14.3 21.5

100 8.1 9.3 13.9#

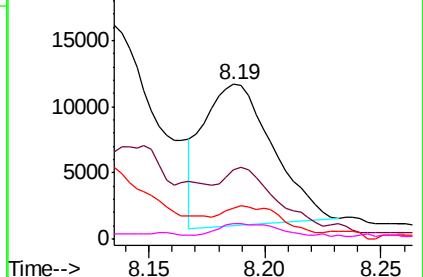
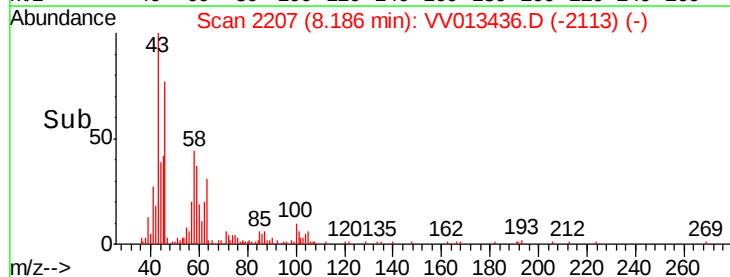


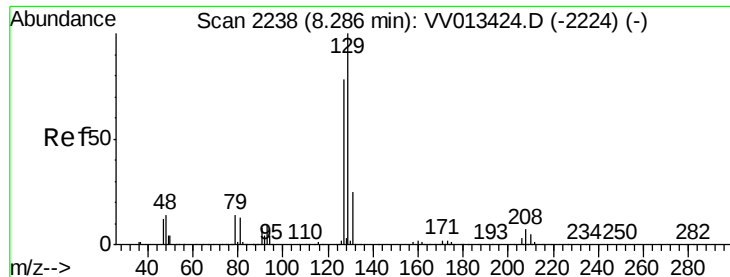
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 8.372 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013436.D

Acq: 30 Oct 2019 17:03

Instrument :

MSVOA_V

ClientSampleId :

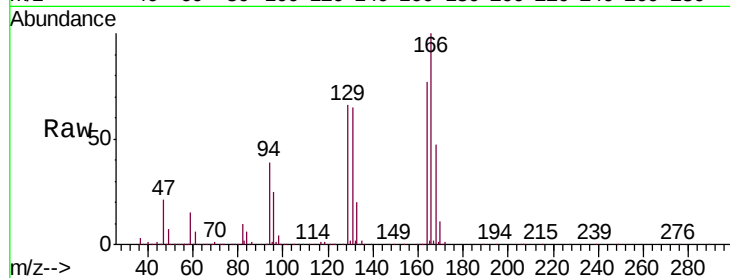
GAQE9

Tgt Ion:129 Resp: 236170

Ion Ratio Lower Upper

129 100

127 0.2 53.8 100.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

150000

100000

50000

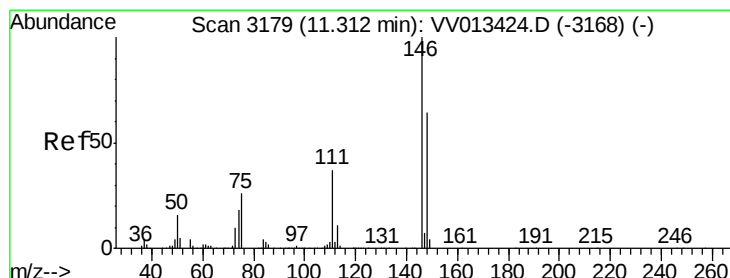
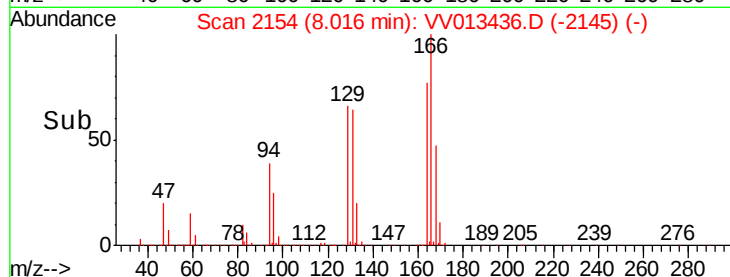
0

8.02

8.05

8.10

Time-->



#63

1,4-Dichlorobenzene

Concen: 0.071 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.01 min

Lab File: VV013436.D

Acq: 30 Oct 2019 17:03

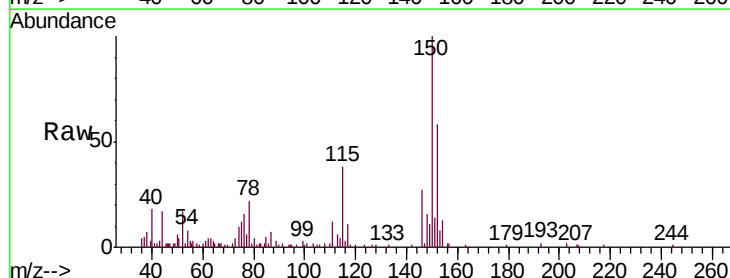
Tgt Ion:146 Resp: 4576

Ion Ratio Lower Upper

146 100

111 43.7 25.4 47.2

148 60.2 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

3000

2000

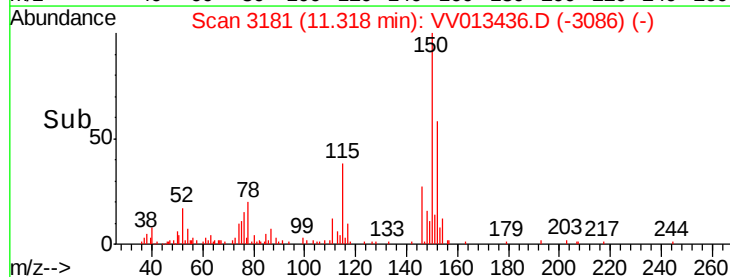
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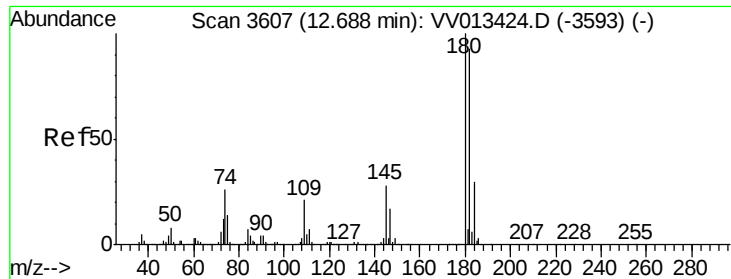
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11.32

11.35

Time-->

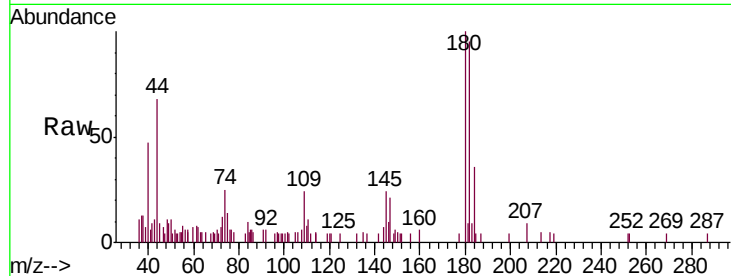




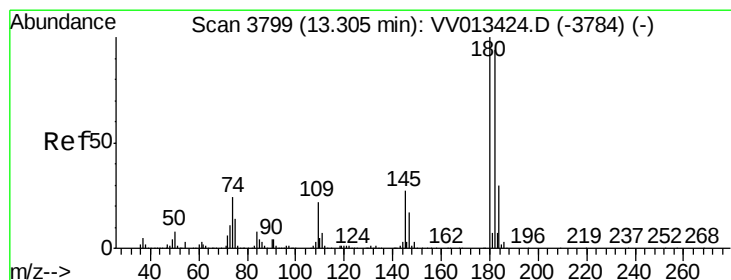
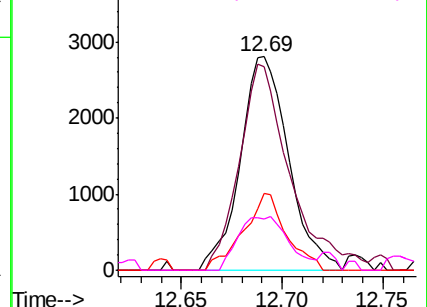
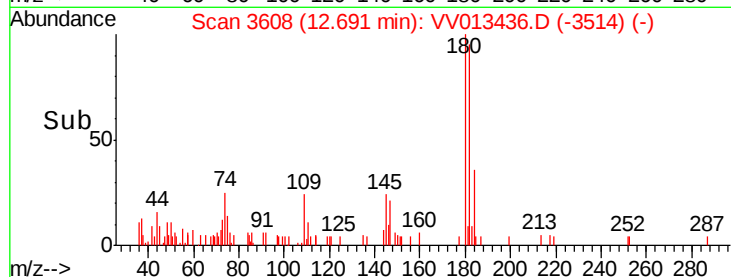
#67
 1,3,5-Trichlorobenzene
 Concen: 0.091 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013436.D
 Acq: 30 Oct 2019 17:03

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE9

Tgt Ion:180 Resp: 4705
 Ion Ratio Lower Upper
 180 100
 182 101.4 76.4 114.6
 184 31.7 24.6 36.8
 145 26.3 22.2 33.2

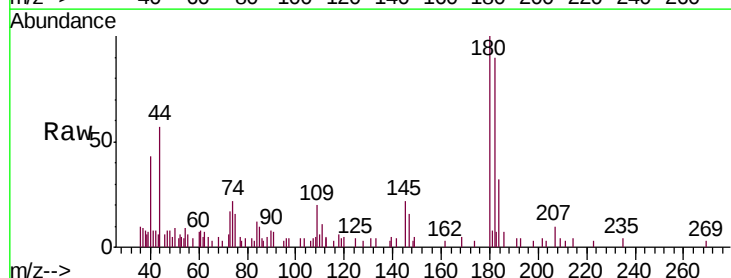


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

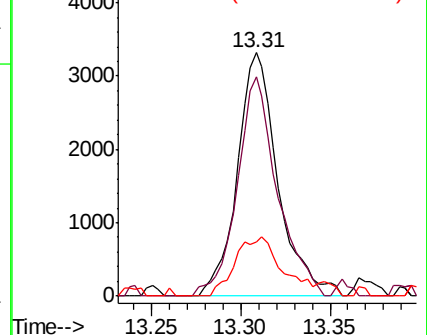
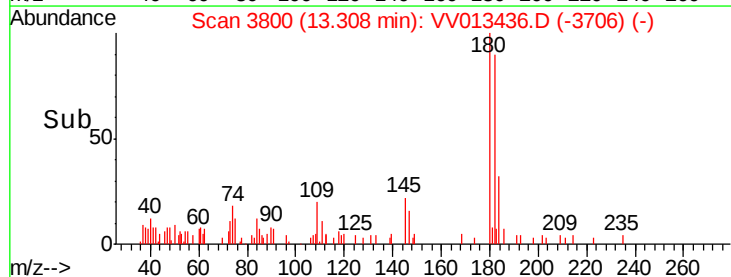


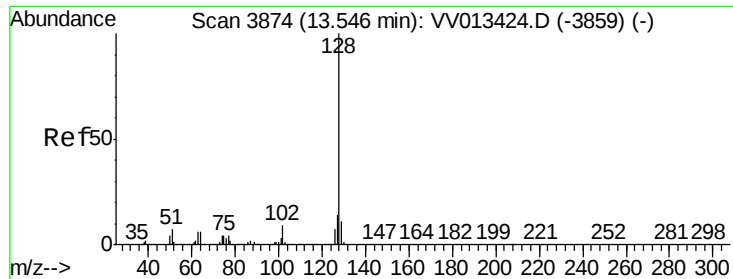
#68
 1,2,4-trichlorobenzene
 Concen: 0.132 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013436.D
 Acq: 30 Oct 2019 17:03

Tgt Ion:180 Resp: 5282
 Ion Ratio Lower Upper
 180 100
 182 88.5 76.2 114.4
 145 27.9 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





#69

Naphthalene

Concen: 0.233 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013436.D

Acq: 30 Oct 2019 17:03

Instrument :

MSVOA_V

ClientSampleId :

GAQE9

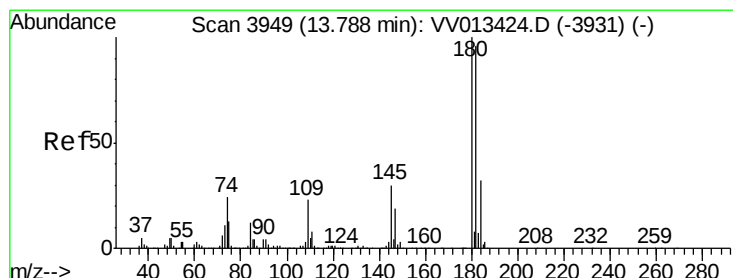
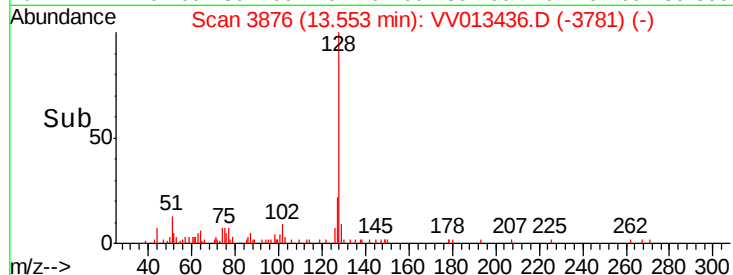
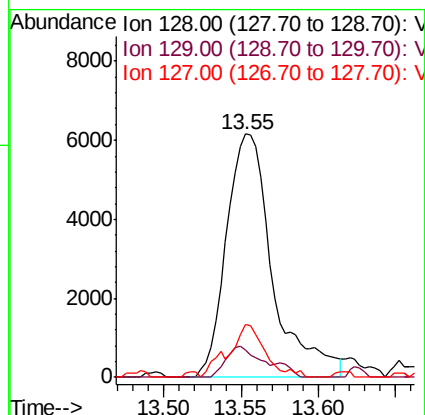
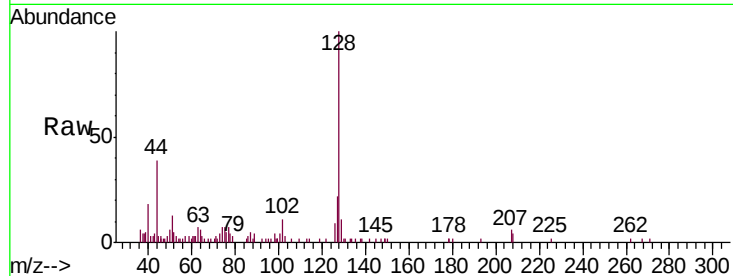
Tgt Ion:128 Resp: 12829

Ion Ratio Lower Upper

128 100

129 8.9 8.7 13.1

127 11.1 10.6 16.0



#70

1,2,3-Trichlorobenzene

Concen: 0.135 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013436.D

Acq: 30 Oct 2019 17:03

Tgt Ion:180 Resp: 4941

Ion Ratio Lower Upper

180 100

182 95.9 75.7 113.5

145 41.6 24.1 36.1#

