

Data File : VV011687.D
Acq On : 21 Jun 2019 16:31
Operator : SY/MD
Sample : K3415-06DL 10X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GALP3DL

Quant Time: Jun 22 04:15:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	158311	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	149282	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58837	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	47201	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.58	69	36500	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.12	63	74040	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	3.96	46	167739	60.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.20%
24) Chloroform-d	4.40	84	95628	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.08	65	60142	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.09	84	202709	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.12	67	64124	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	172247	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.67	79	20263	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.14	63	121481	57.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47317	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	59192	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

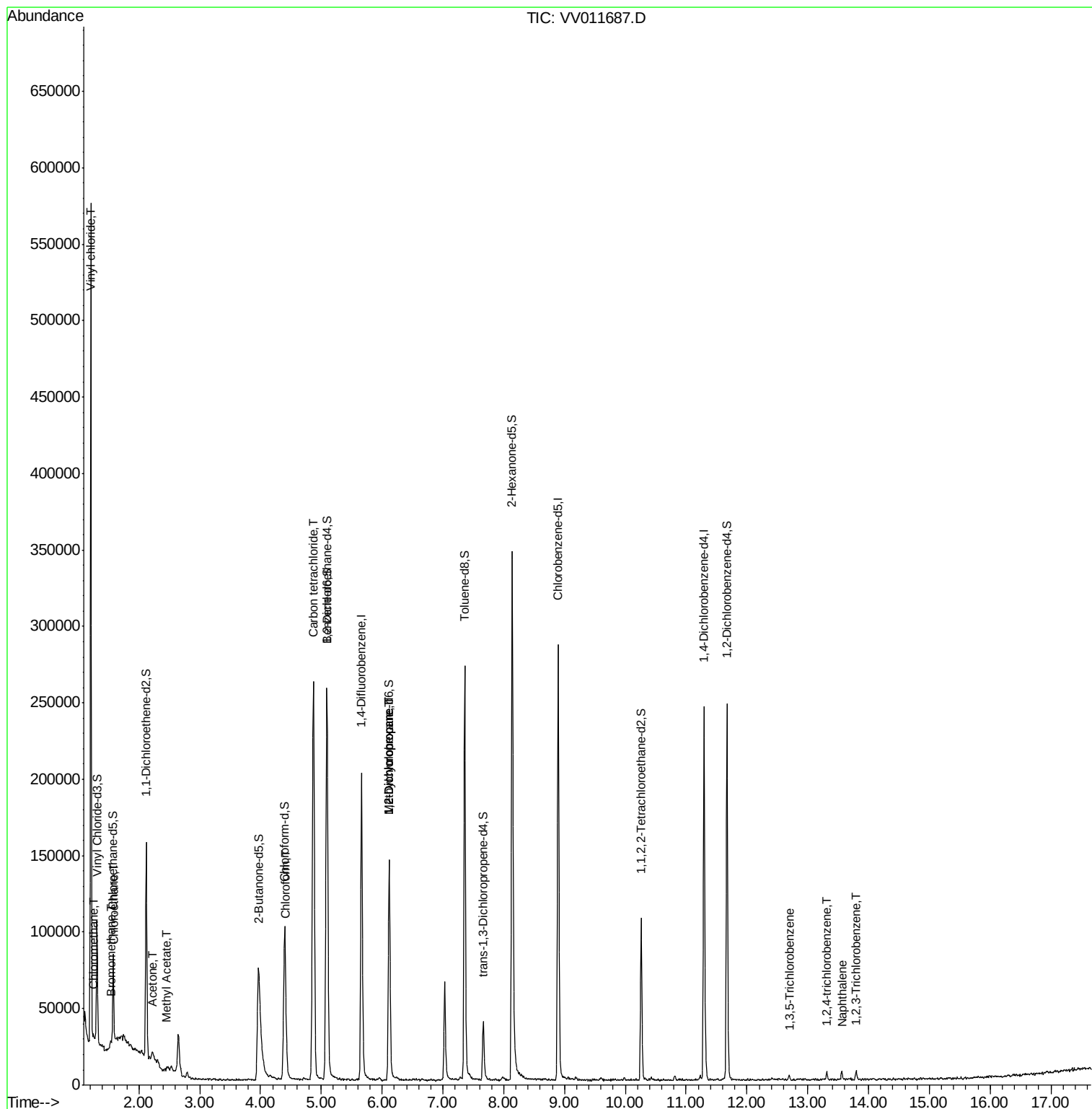
					Qvalue
3) Chloromethane	1.25	50	1685	0.113 ug/L	95
5) Vinyl chloride	1.21	62	4138	0.283 ug/L	87
6) Bromomethane	1.53	94	1536	0.241 ug/L	95
8) Chloroethane	1.60	64	1112	0.145 ug/L #	57
13) Acetone	2.22	43	9926	4.965 ug/L	86
15) Methyl Acetate	2.47	43	3203	0.643 ug/L	99
25) Chloroform	4.42	83	9952	0.396 ug/L	97
31) Carbon tetrachloride	4.87	117	183386	11.287 ug/L	100
35) Methylcyclohexane	6.12	83	15928	0.752 ug/L #	15
37) 1,2-Dichloropropane	6.12	63	7651	0.609 ug/L #	88
67) 1,3,5-Trichlorobenzene	12.69	180	889	0.060 ug/L #	87
68) 1,2,4-trichlorobenzene	13.31	180	1254	0.110 ug/L	97
69) Naphthalene	13.56	128	4281	0.229 ug/L #	85
70) 1,2,3-Trichlorobenzene	13.80	180	1691	0.159 ug/L	96

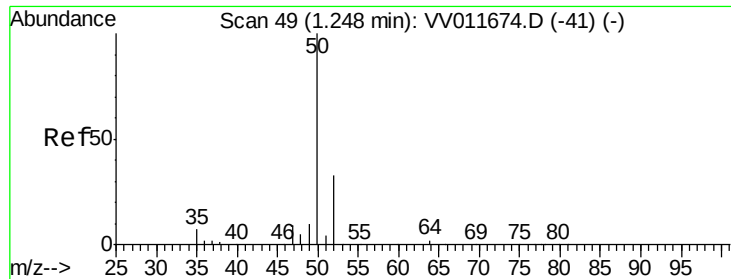
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.113 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011687.D

Acq: 21 Jun 2019 16:31

Instrument :

MSVOA_V

ClientSampleId :

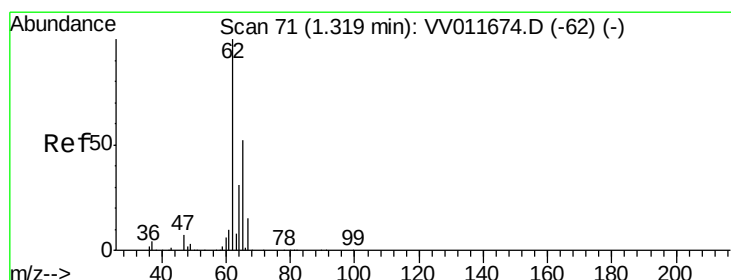
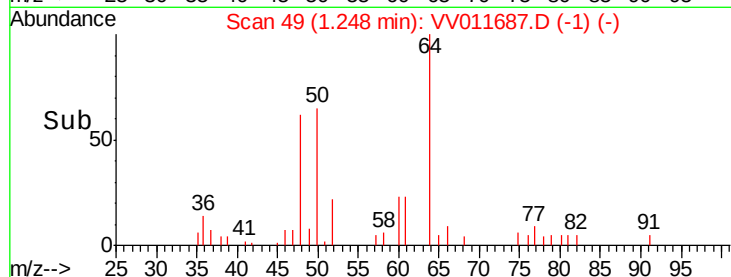
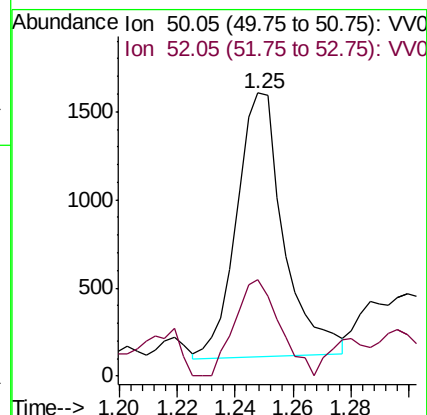
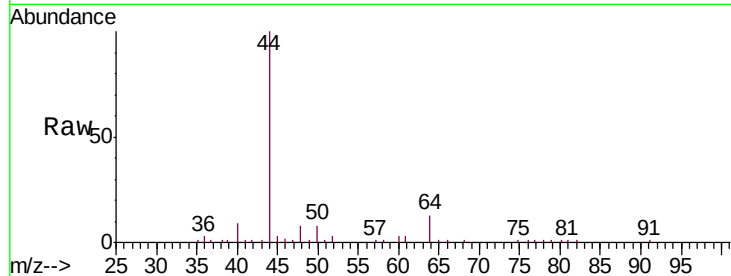
GALP3DL

Tgt Ion: 50 Resp: 1685

Ion Ratio Lower Upper

50 100

52 33.9 22.0 40.8



#5

Vinyl chloride

Concen: 0.283 ug/L

RT: 1.21 min Scan# 37

Delta R.T. -0.11 min

Lab File: VV011687.D

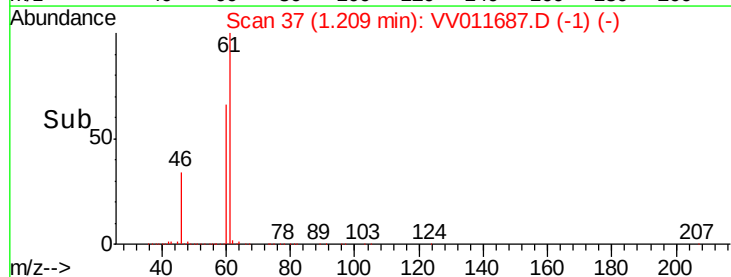
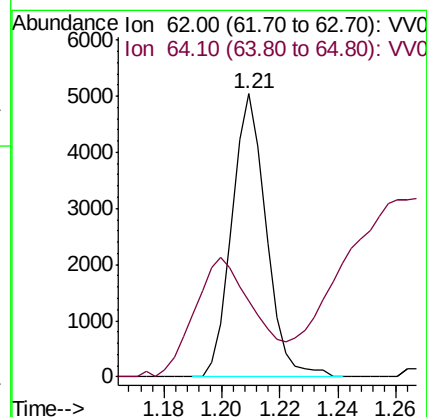
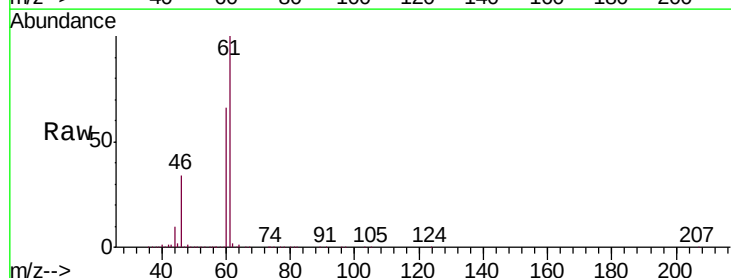
Acq: 21 Jun 2019 16:31

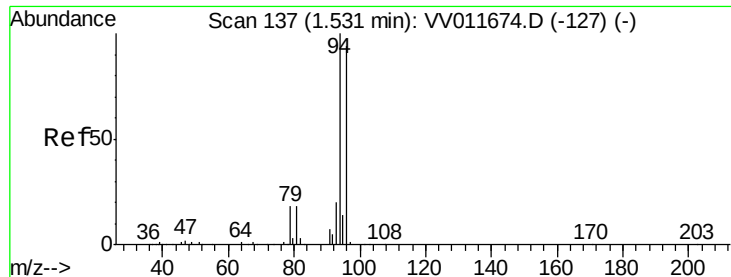
Tgt Ion: 62 Resp: 4138

Ion Ratio Lower Upper

62 100

64 26.7 24.1 44.7





#6

Bromomethane

Concen: 0.241 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011687.D

Acq: 21 Jun 2019 16:31

Instrument :

MSVOA_V

ClientSampleId :

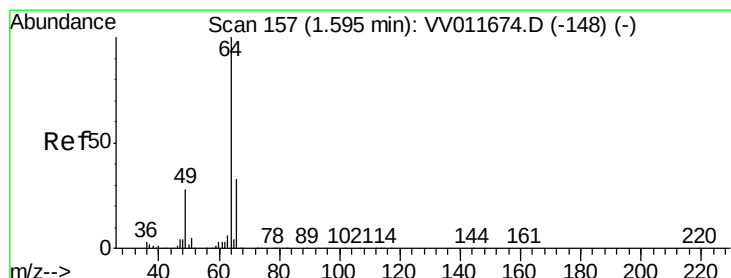
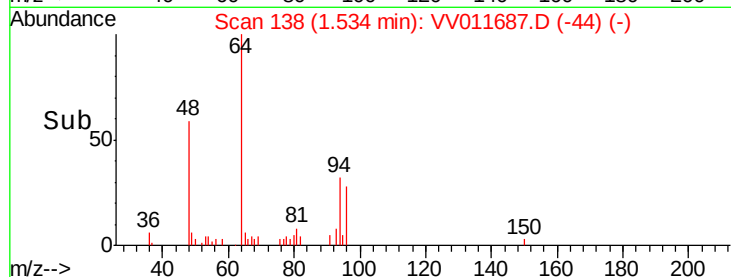
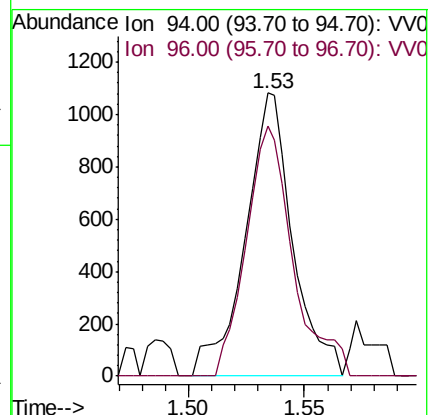
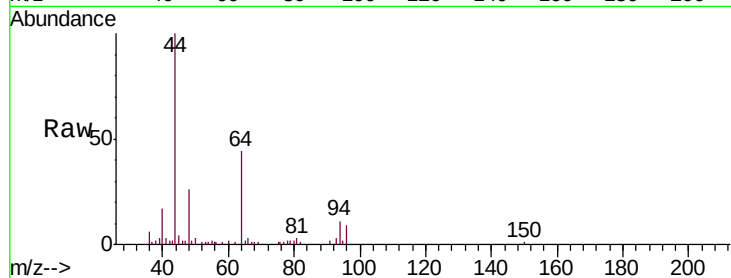
GALP3DL

Tgt Ion: 94 Resp: 1536

Ion Ratio Lower Upper

94 100

96 88.5 65.2 121.2



#8

Chloroethane

Concen: 0.145 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV011687.D

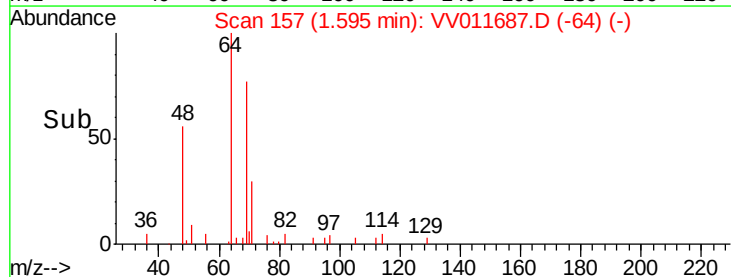
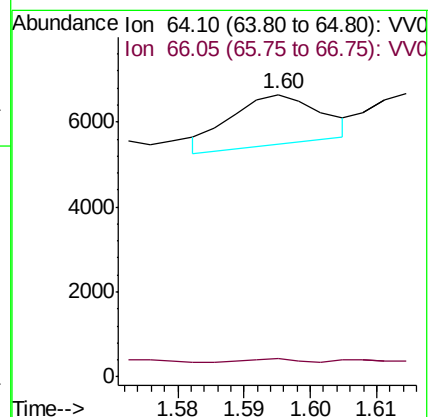
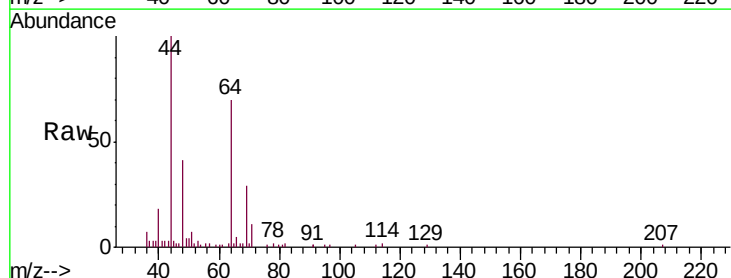
Acq: 21 Jun 2019 16:31

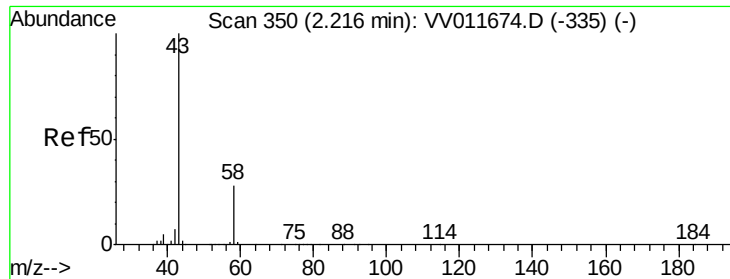
Tgt Ion: 64 Resp: 1112

Ion Ratio Lower Upper

64 100

66 6.5 20.6 38.4#





#13

Acetone

Concen: 4.965 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV011687.D

Acq: 21 Jun 2019 16:31

Instrument :

MSVOA_V

ClientSampleId :

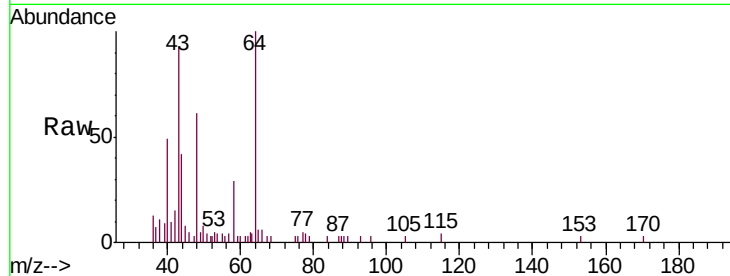
GALP3DL

Tgt Ion: 43 Resp: 9926

Ion Ratio Lower Upper

43 100

58 20.7 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

4000

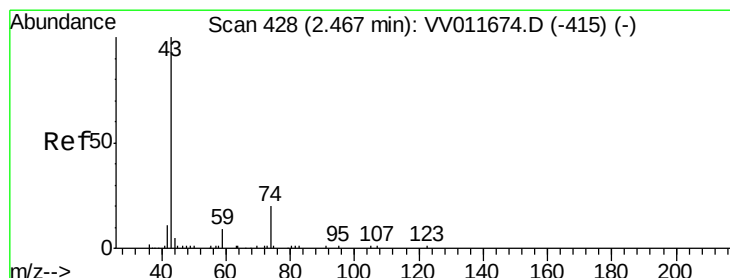
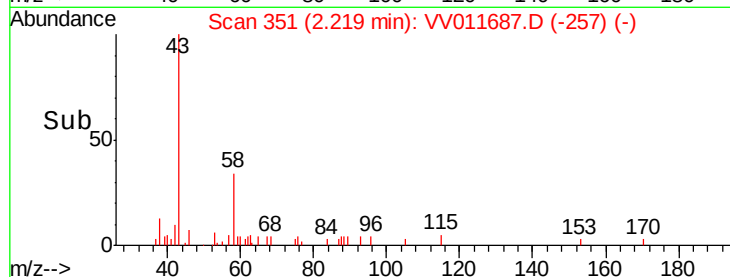
3000

2000

1000

0

Time--> 2.15 2.20 2.25 2.30



#15

Methyl Acetate

Concen: 0.643 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV011687.D

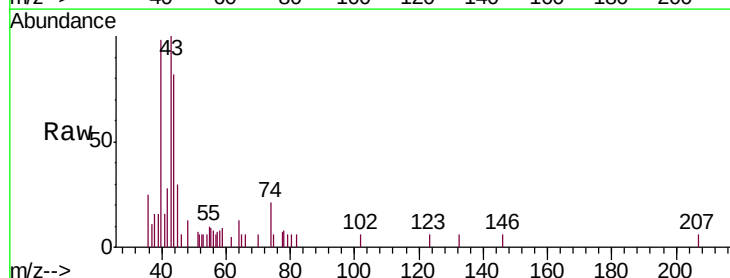
Acq: 21 Jun 2019 16:31

Tgt Ion: 43 Resp: 3203

Ion Ratio Lower Upper

43 100

74 20.0 16.2 24.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

2000

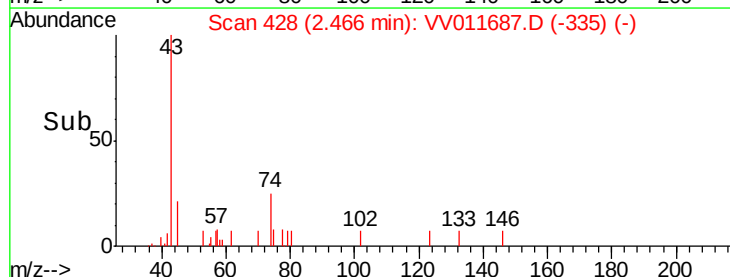
1500

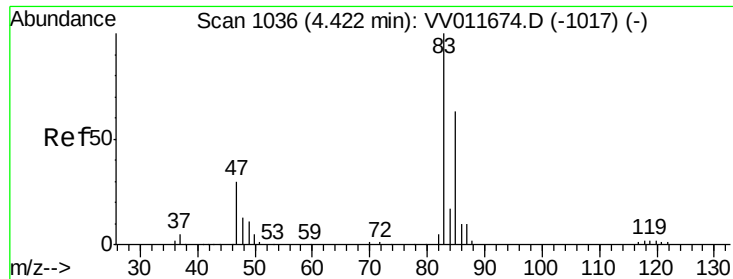
1000

500

0

Time--> 2.40 2.45 2.50

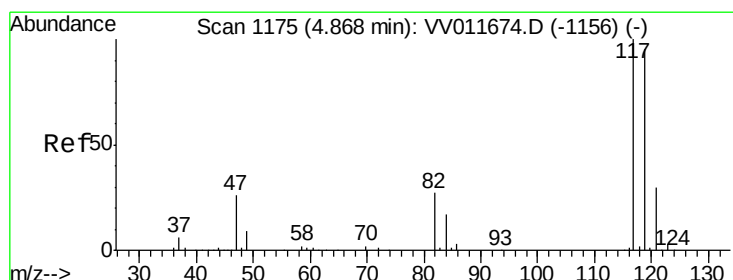
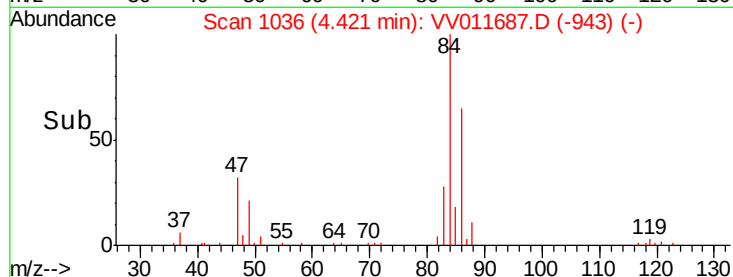
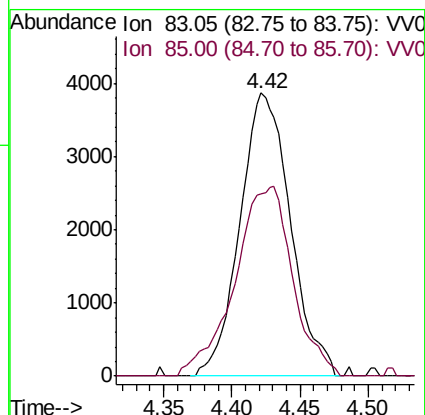
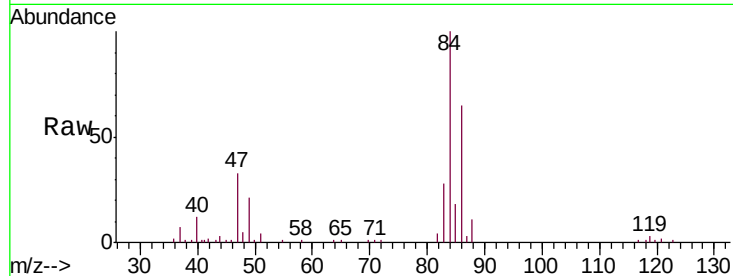




#25
Chloroform
Concen: 0.396 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011687.D
Acq: 21 Jun 2019 16:31

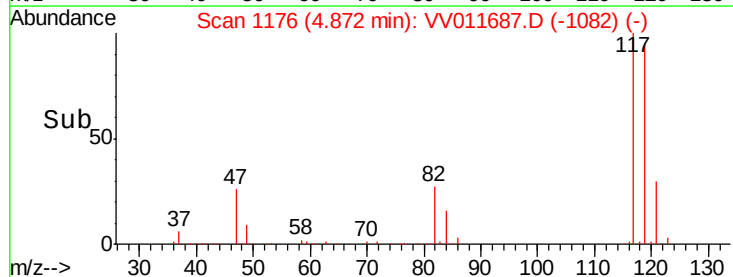
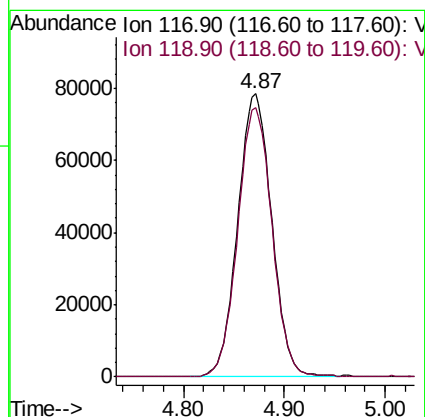
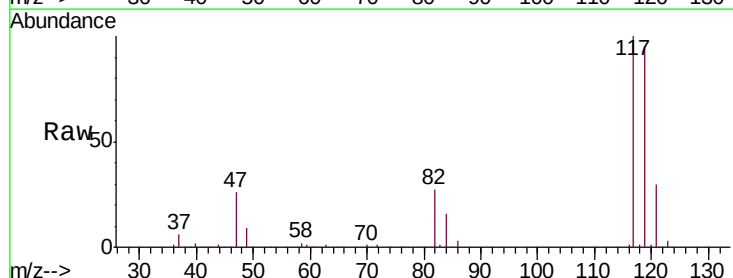
Instrument :
MSVOA_V
ClientSampleId :
GALP3DL

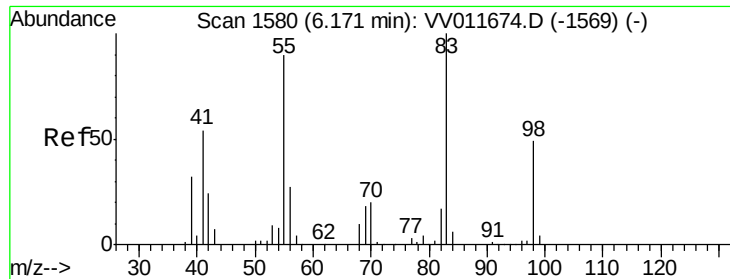
Tgt Ion: 83 Resp: 9952
Ion Ratio Lower Upper
83 100
85 64.6 47.0 87.2



#31
Carbon tetrachloride
Concen: 11.287 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV011687.D
Acq: 21 Jun 2019 16:31

Tgt Ion: 117 Resp: 183386
Ion Ratio Lower Upper
117 100
119 95.9 77.1 115.7





#35

Methylcyclohexane

Concen: 0.752 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011687.D

Acq: 21 Jun 2019 16:31

Instrument :

MSVOA_V

ClientSampleId :

GALP3DL

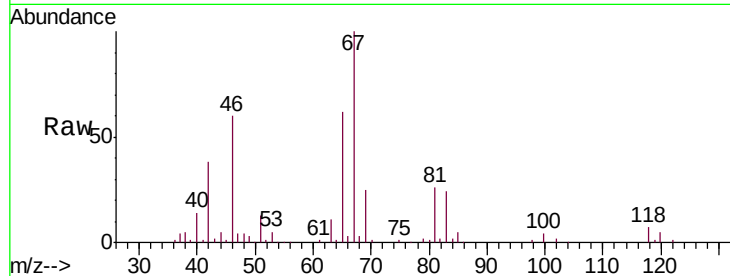
Tgt Ion: 83 Resp: 15928

Ion Ratio Lower Upper

83 100

55 1.0 69.4 104.2#

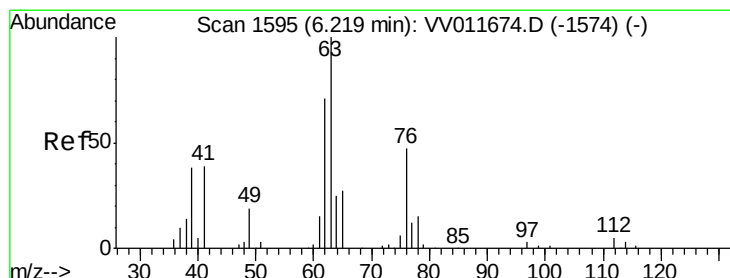
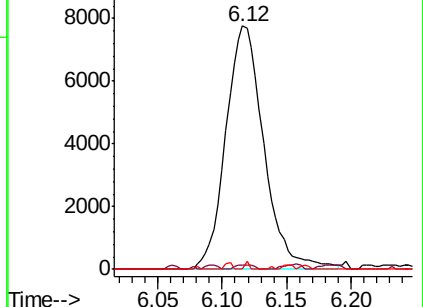
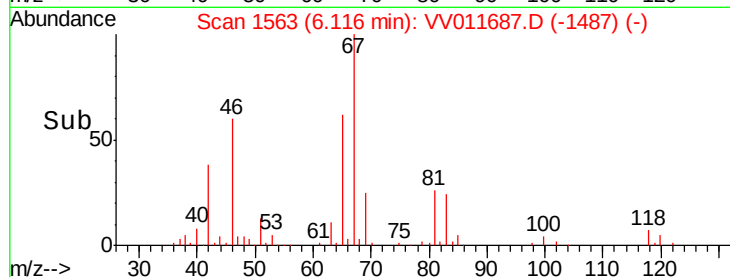
98 0.3 40.2 60.4#



Abundance Ion 83.15 (82.85 to 83.85): VV011687.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV011687.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV011687.D (-1487) (-)



#37

1,2-Dichloropropane

Concen: 0.609 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV011687.D

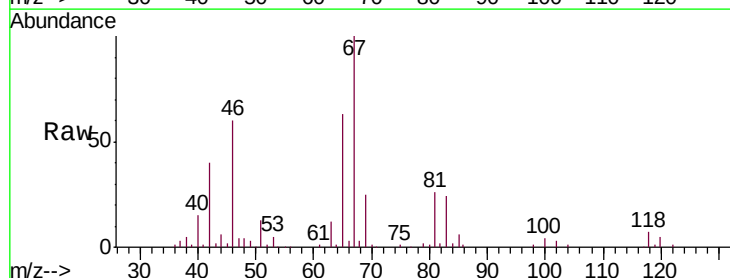
Acq: 21 Jun 2019 16:31

Tgt Ion: 63 Resp: 7651

Ion Ratio Lower Upper

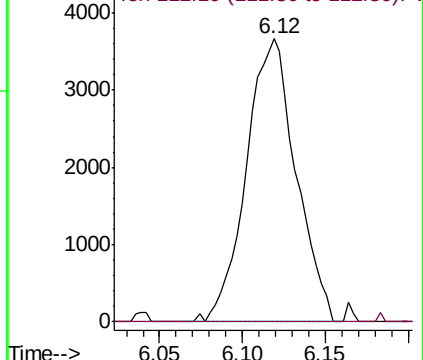
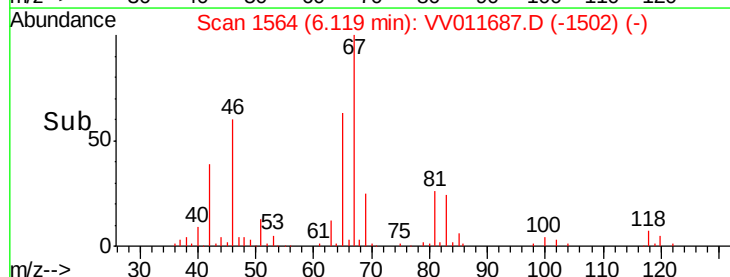
63 100

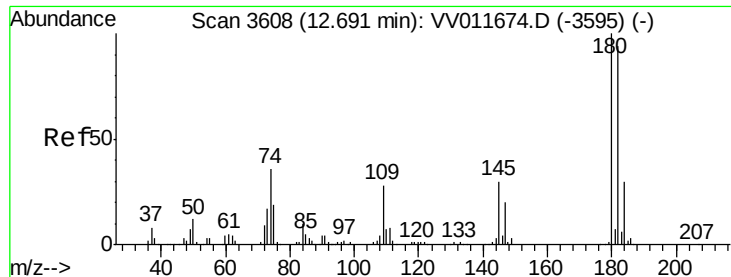
112 0.3 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VV011687.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV011687.D (-1502) (-)

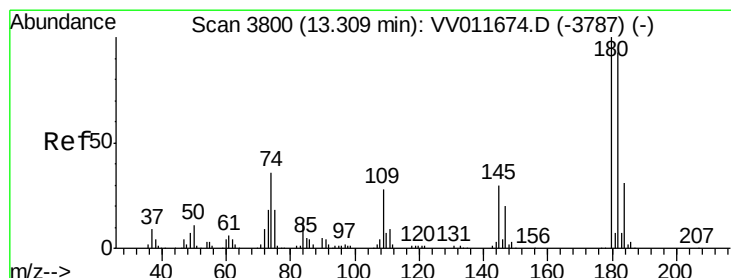
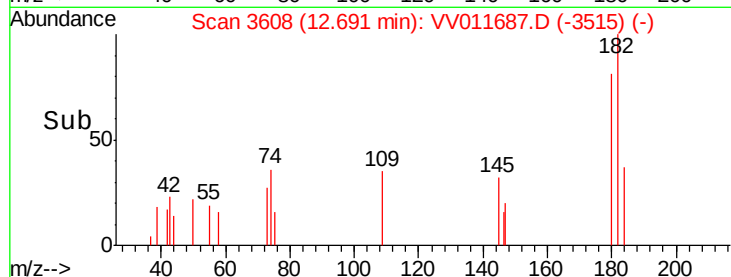
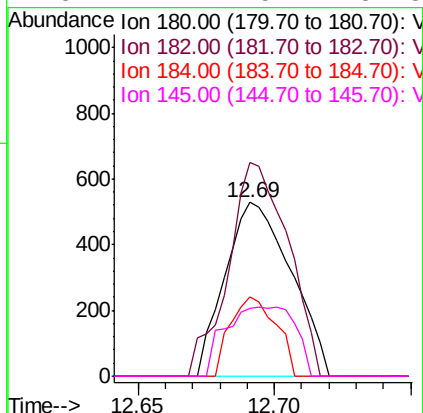
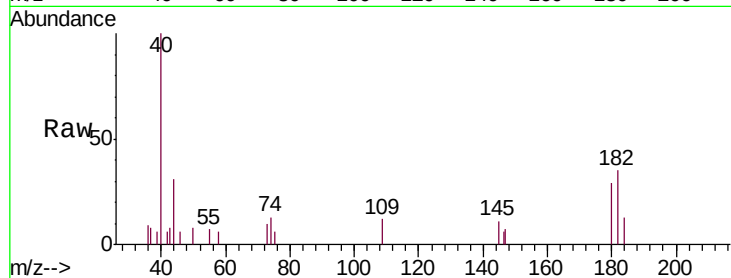




#67
 1,3,5-Trichlorobenzene
 Concen: 0.060 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011687.D
 Acq: 21 Jun 2019 16:31

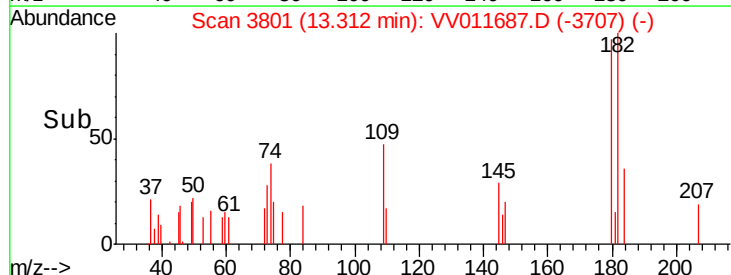
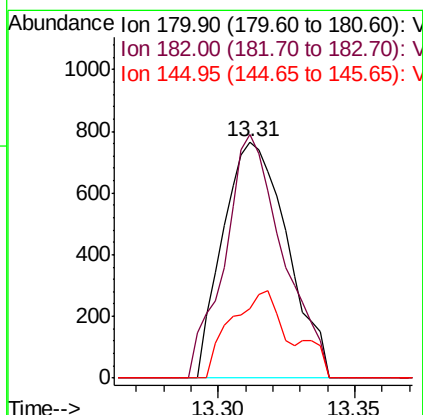
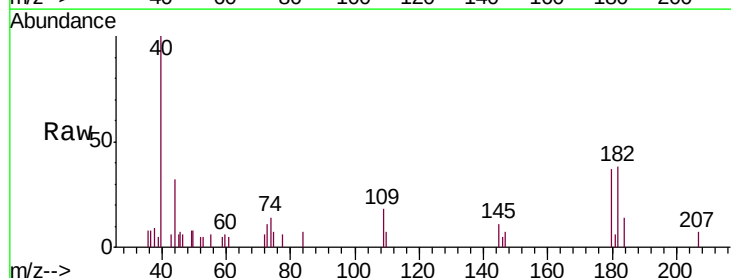
Instrument :
 MSVOA_V
 ClientSampleId :
 GALP3DL

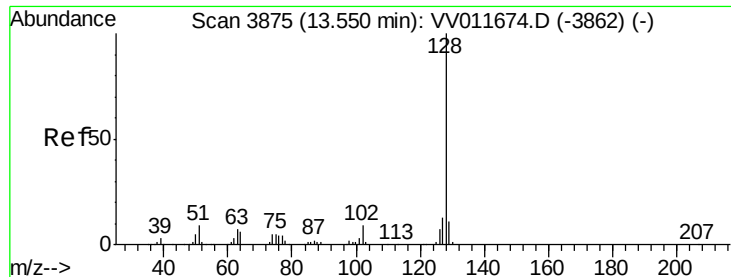
Tgt Ion:180 Resp: 889
 Ion Ratio Lower Upper
 180 100
 182 111.1 77.3 115.9
 184 31.3 24.9 37.3
 145 42.1 25.2 37.8#



#68
 1,2,4-trichlorobenzene
 Concen: 0.110 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV011687.D
 Acq: 21 Jun 2019 16:31

Tgt Ion:180 Resp: 1254
 Ion Ratio Lower Upper
 180 100
 182 93.1 76.6 114.8
 145 29.3 25.3 37.9





#69

Naphthalene

Concen: 0.229 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV011687.D

Acq: 21 Jun 2019 16:31

Instrument :

MSVOA_V

ClientSampleId :

GALP3DL

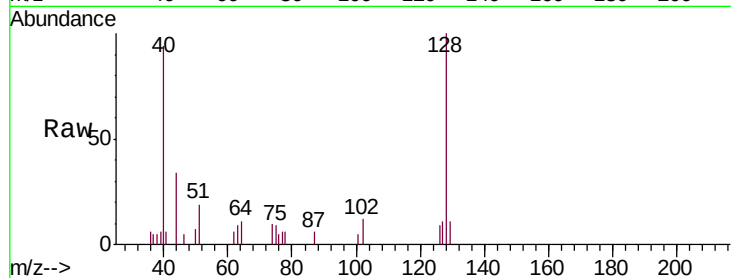
Tgt Ion:128 Resp: 4281

Ion Ratio Lower Upper

128 100

129 5.7 8.7 13.1#

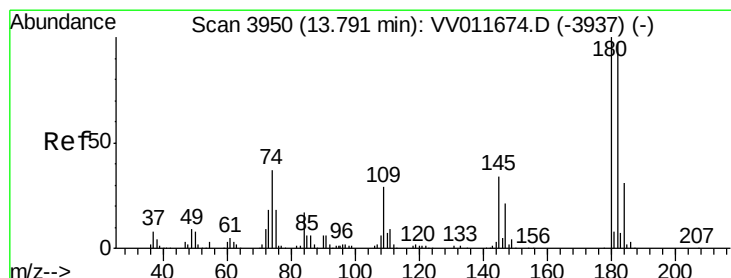
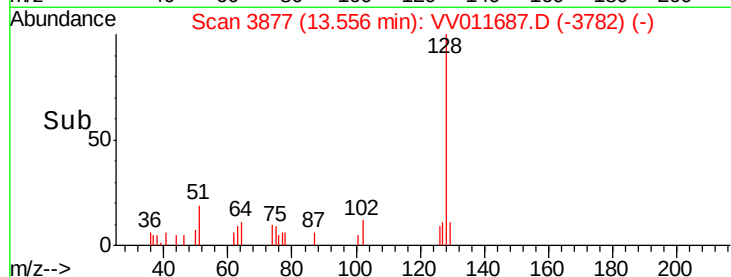
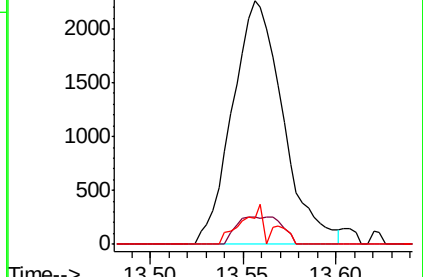
127 6.6 10.5 15.7#



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: 0.159 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VV011687.D

Acq: 21 Jun 2019 16:31

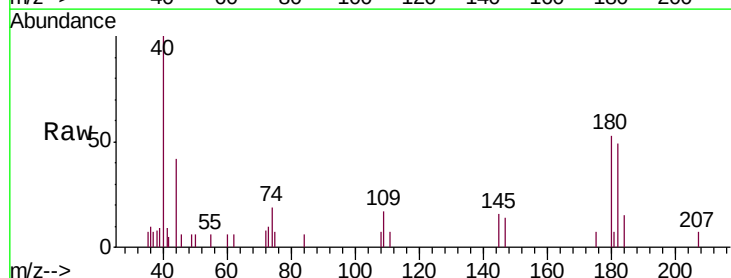
Tgt Ion:180 Resp: 1691

Ion Ratio Lower Upper

180 100

182 89.0 75.0 112.4

145 32.7 26.2 39.2



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

