

Data File : VV011225.D
Acq On : 05 Jun 2019 11:51
Operator : SY/MD
Sample : K3081-09DL 4X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GALD9DL

Quant Time: Jun 06 05:46:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 06 05:43:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	171395	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	157849	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66431	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51233	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.56	69	40660	3.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.40%
11) 1,1-Dichloroethene-d2	2.12	63	81186	3.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	3.94	46	119820	40.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.96%
24) Chloroform-d	4.40	84	89838	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
26) 1,2-Dichloroethane-d4	5.08	65	51111	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
32) Benzene-d6	5.09	84	191839	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	6.11	67	58653	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.60%
41) Toluene-d8	7.35	98	171867	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	7.66	79	21102	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.13	63	97700	41.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38075	3.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	55334	4.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.40%

Target Compounds

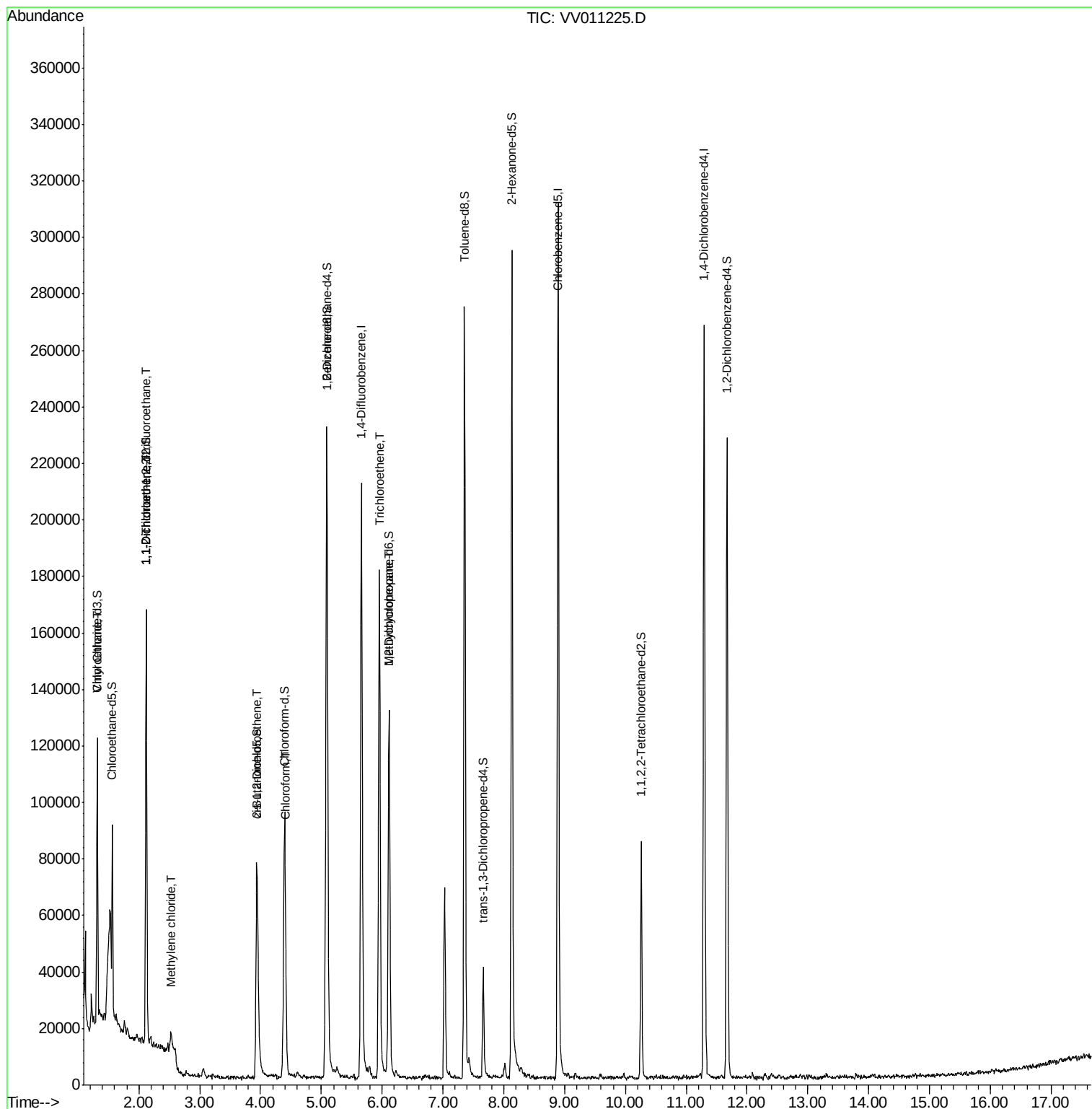
						Qvalue
8) Chloroethane	1.32	64	2596	0.258	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1502	0.135	ug/L #	35
12) 1,1-Dichloroethene	2.12	96	1295	0.120	ug/L #	1
16) Methylene chloride	2.53	84	2557	0.230	ug/L	93
22) cis-1,2-Dichloroethene	3.95	96	2467	0.184	ug/L	94
25) Chloroform	4.42	83	4623	0.188	ug/L	88
34) Trichloroethene	5.95	95	63253	4.875	ug/L	96
35) Methylcyclohexane	6.12	83	13560	0.632	ug/L #	16

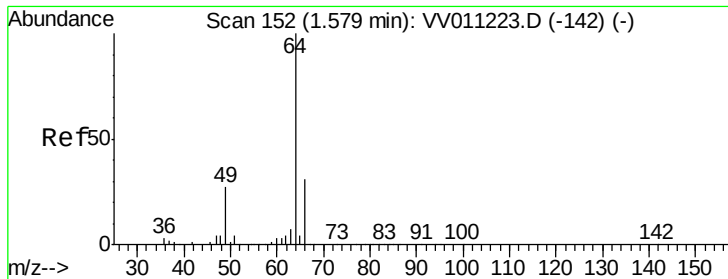
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.258 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.26 min

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Acq: 05 Jun 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

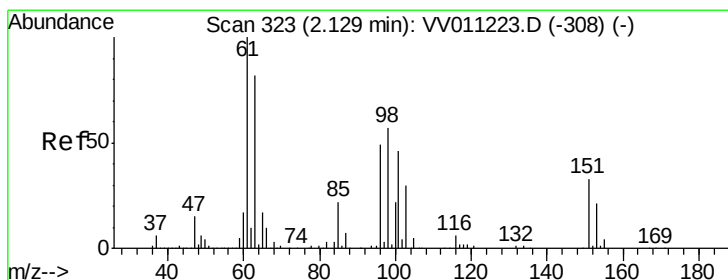
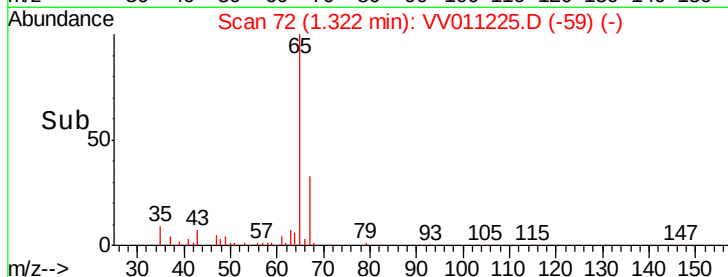
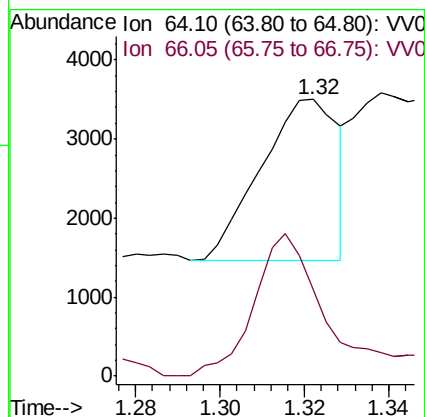
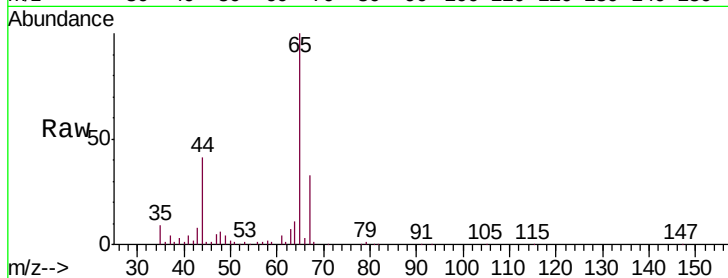
GALD9DL

Tgt Ion: 64 Resp: 2596

Ion Ratio Lower Upper

64 100

66 31.2 19.4 36.0



#10

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

Concen: 0.135 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV011225.D

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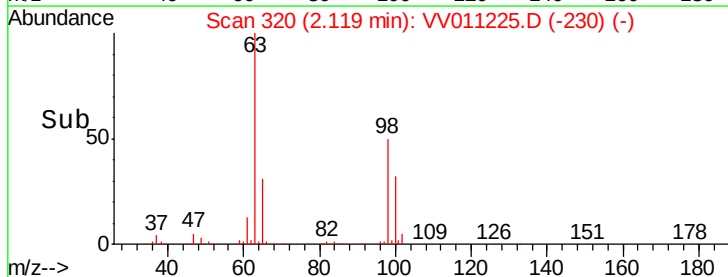
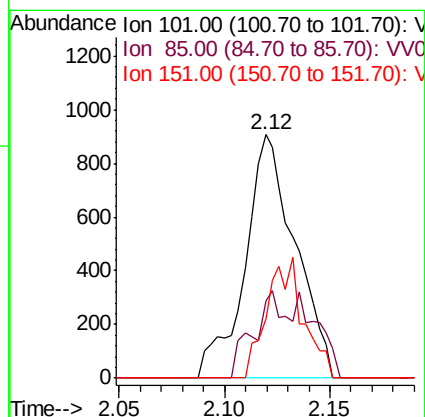
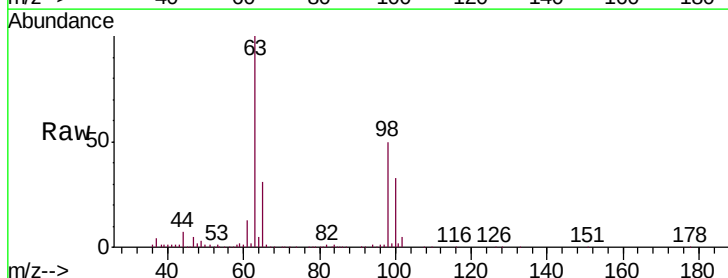
Tgt Ion: 101 Resp: 1502

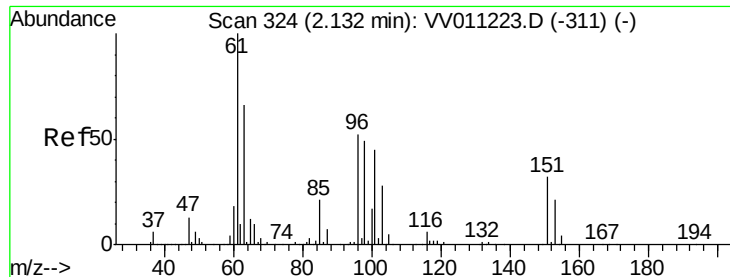
Ion Ratio Lower Upper

101 100

85 24.2 35.5 53.3#

151 0.0 56.9 85.3#





#12

1,1-Dichloroethene

Concen: 0.120 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011225.D

Acq: 05 Jun 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

GALD9DL

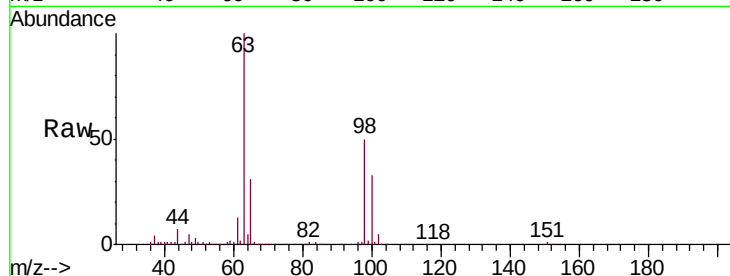
Tgt Ion: 96 Resp: 1295

Ion Ratio Lower Upper

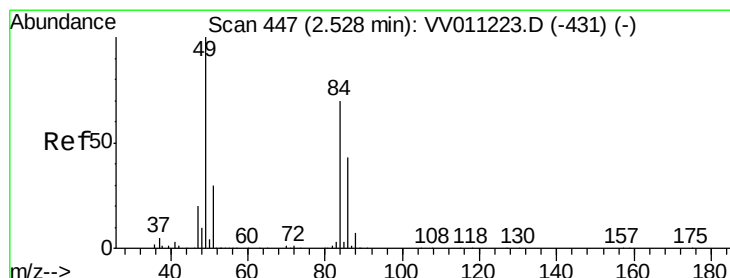
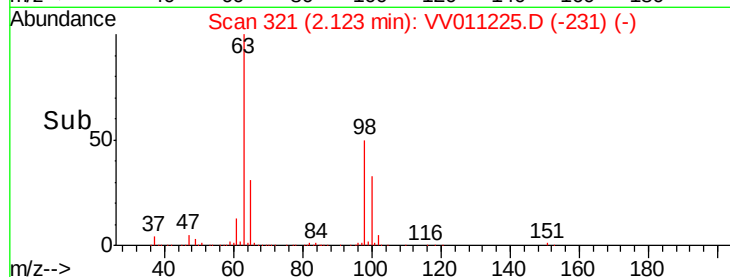
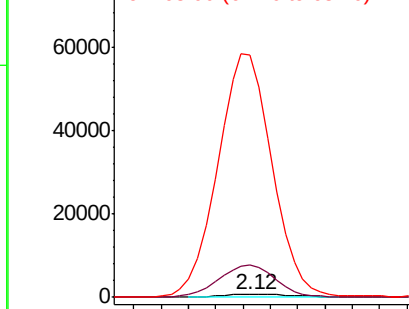
96 100

61 1157.4 139.8 259.6#

63 8677.7 94.3 175.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 63.00 (62.70 to 63.70): VV0



#16

Methylene chloride

Concen: 0.230 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV011225.D

Acq: 05 Jun 2019 11:51

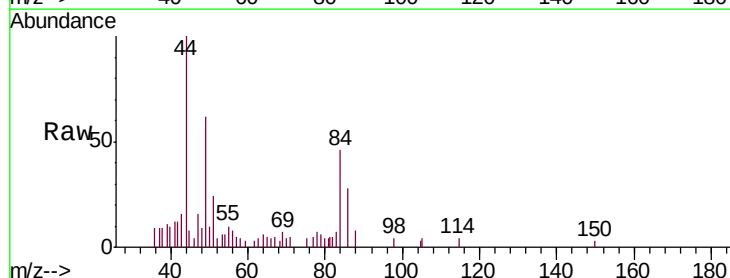
Tgt Ion: 84 Resp: 2557

Ion Ratio Lower Upper

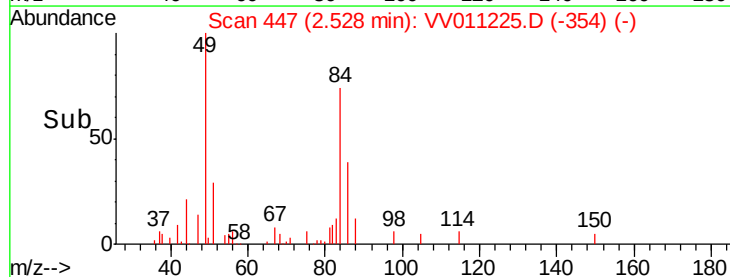
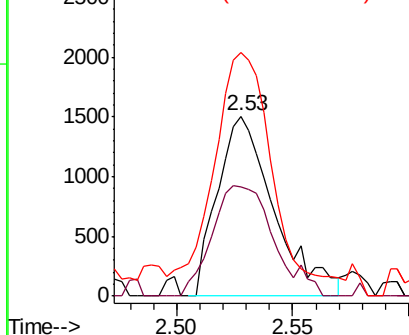
84 100

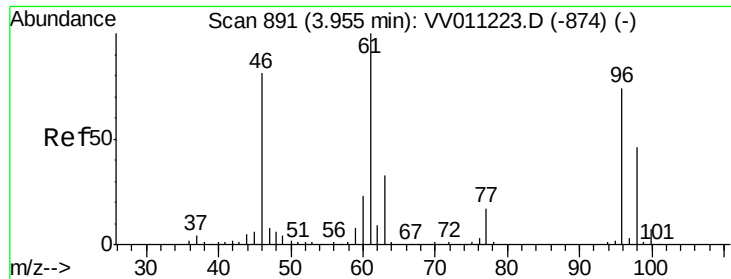
86 60.6 44.9 83.3

49 135.4 102.1 189.5



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

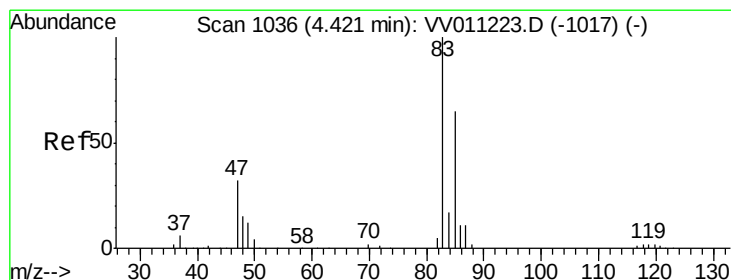
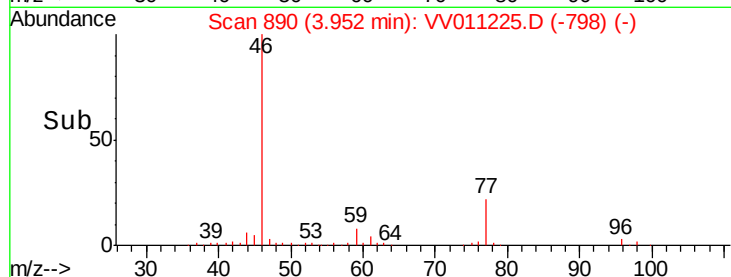
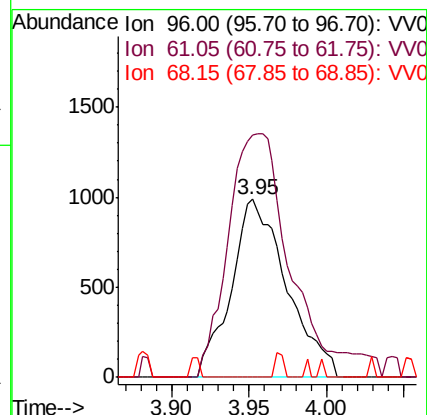
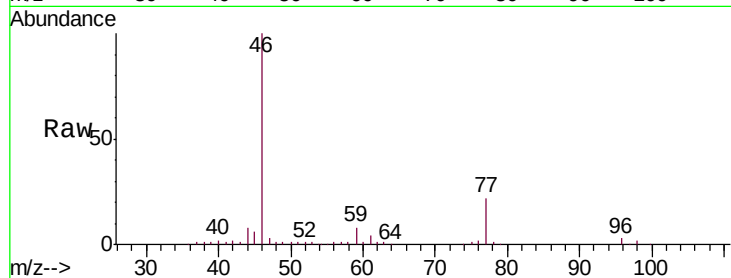




#22
 cis-1,2-Dichloroethene
 Concen: 0.184 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VV011225.D
 Acq: 05 Jun 2019 11:51

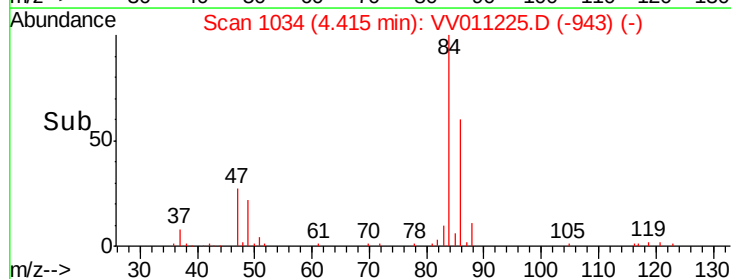
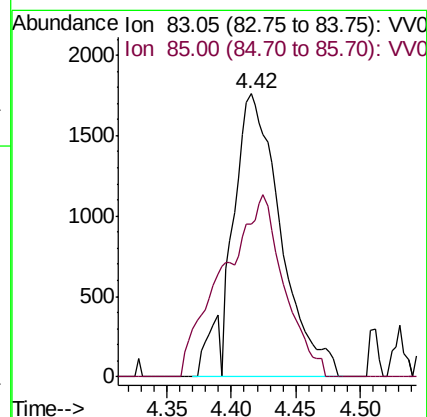
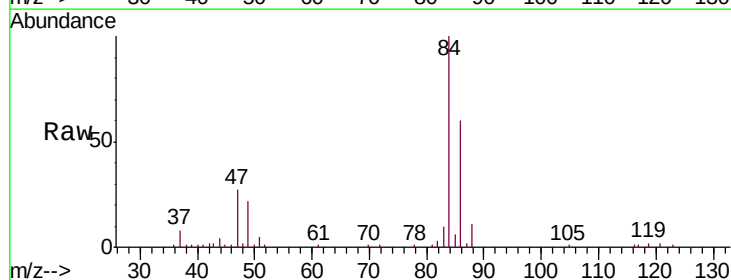
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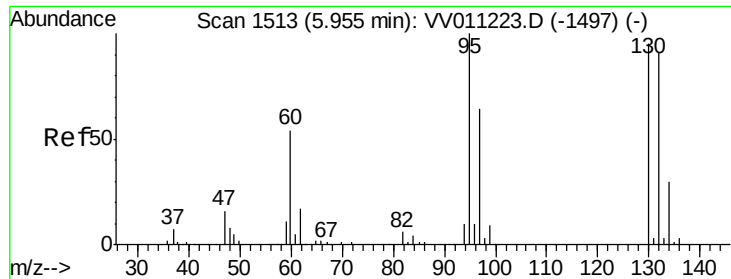
Tgt Ion: 96 Resp: 2467
 Ion Ratio Lower Upper
 96 100
 61 136.1 100.8 187.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.188 ug/L
 RT: 4.42 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VV011225.D
 Acq: 05 Jun 2019 11:51

Tgt Ion: 83 Resp: 4623
 Ion Ratio Lower Upper
 83 100
 85 54.0 44.1 81.9





#34

Trichloroethene

Concen: 4.875 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV011225.D

Acq: 05 Jun 2019 11:51

Instrument :

MSVOA_V

ClientSampleId :

GALD9DL

Tgt Ion: 95 Resp: 63253

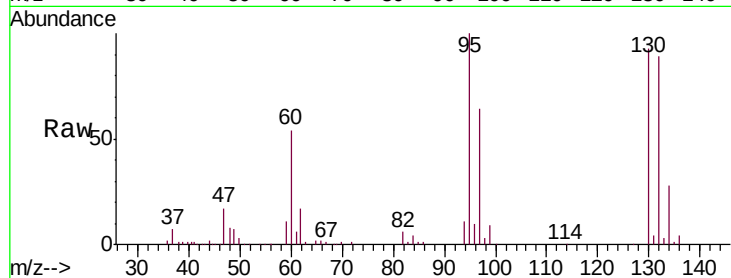
Ion Ratio Lower Upper

95 100

97 64.1 45.8 85.2

132 89.3 66.4 123.2

130 92.6 68.3 126.8

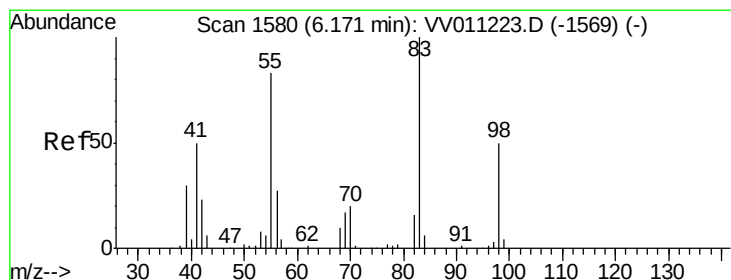
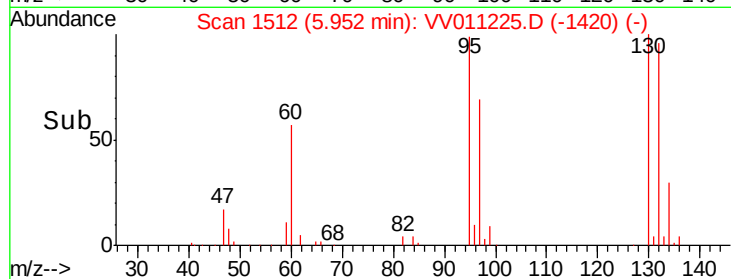
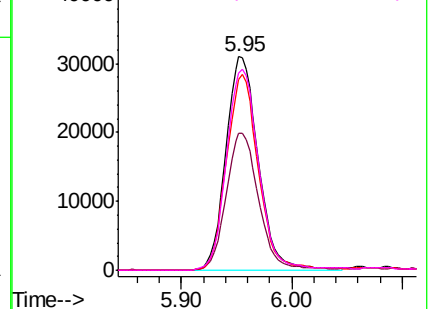


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.632 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011225.D

Acq: 05 Jun 2019 11:51

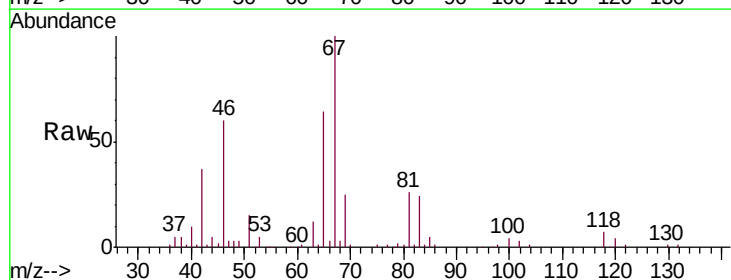
Tgt Ion: 83 Resp: 13560

Ion Ratio Lower Upper

83 100

55 0.3 67.0 100.6#

98 0.9 40.0 60.0#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

