

Data File : VV010696.D
Acq On : 07 May 2019 17:29
Operator : SY/MD
Sample : K2633-04
Misc : 5.05G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAJ96

Quant Time: May 08 03:05:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 03:02:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	61411	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	65559	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	29151	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8901	9.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	37.32%
7) Chloroethane-d5	1.56	69	11846	15.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.36%
10) 1,1-Dichloroethene-d2	2.12	63	16923	8.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	32.72%#
20) 2-Butanone-d5	3.93	46	12476	43.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.16%
24) Chloroform-d	4.40	84	32022	19.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.52%
26) 1,2-Dichloroethane-d4	5.08	65	24391	23.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.32%
29) Benzene-d6	5.09	84	49701	14.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	57.60%
33) 1,2-Dichloropropane-d6	6.11	67	24200	22.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.04%
37) Toluene-d8	7.36	98	46116	13.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	55.84%
38) trans-1,3-Dichloropropene-	7.66	79	9228	18.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.64%
39) 2-Hexanone-d5	8.13	63	9611	41.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.54%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	22101	21.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	15284	13.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	54.16%#

Target Compounds

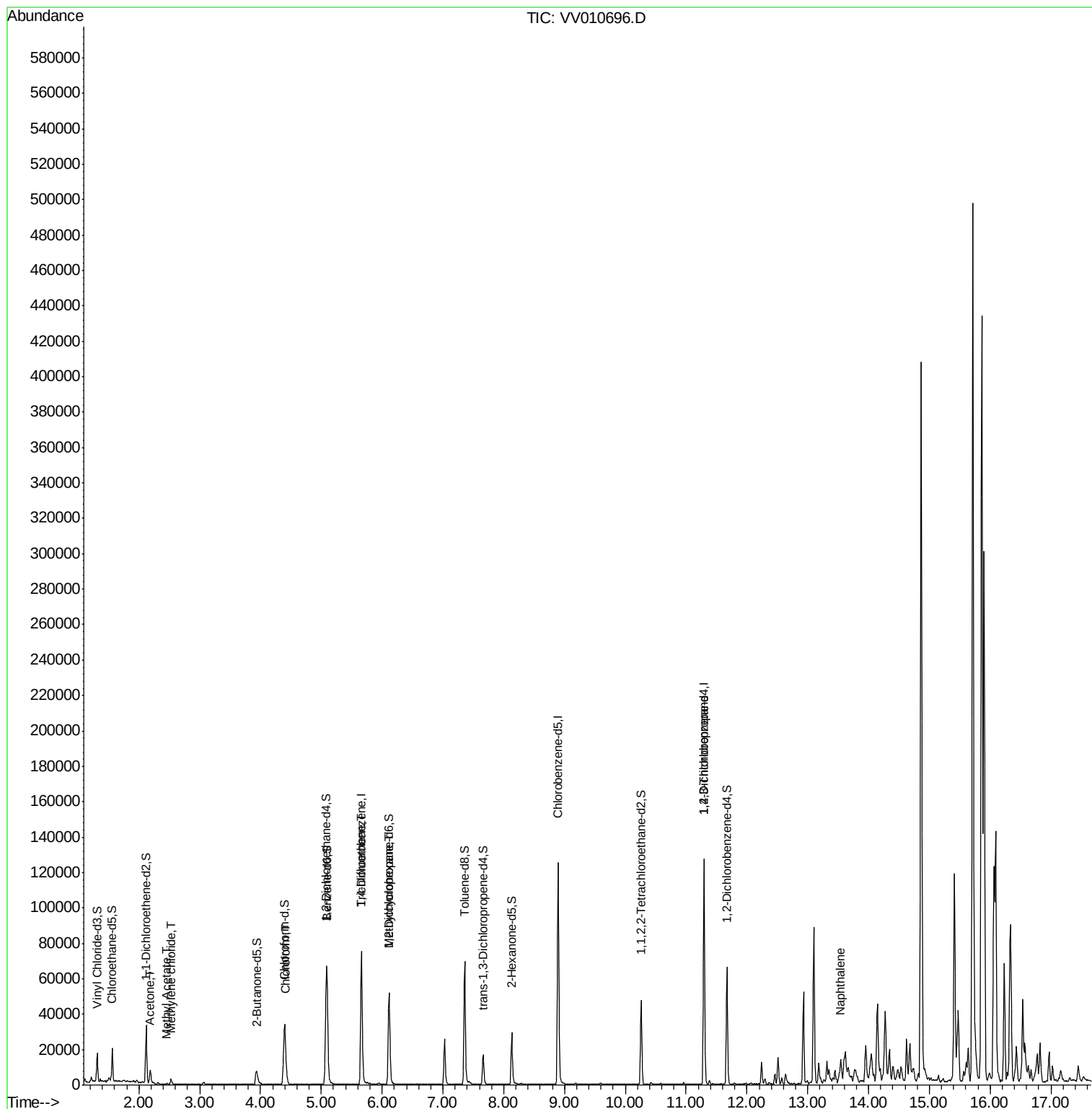
					Qvalue
13) Acetone	2.19	43	7011	15.819 ug/L	99
15) Methyl Acetate	2.46	43	640	1.209 ug/L #	85
16) Methylene chloride	2.53	84	1325	1.395 ug/L	90
25) Chloroform	4.42	83	4625	2.488 ug/L	93
35) Trichloroethene	5.66	95	1979	1.836 ug/L #	7
36) Methylcyclohexane	6.11	83	5513	3.191 ug/L #	18
59) 1,2,3-Trichloropropane	11.29	75	4210	4.895 ug/L #	87
69) Naphthalene	13.55	128	6421	2.652 ug/L #	91

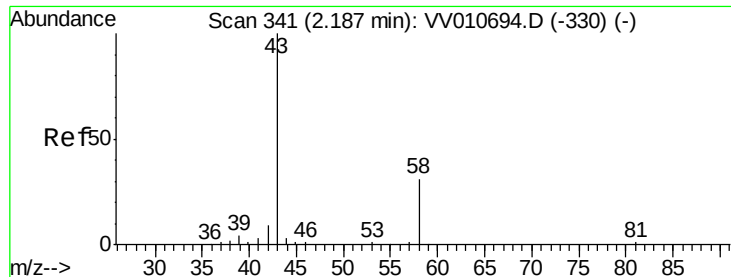
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 15.819 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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Acq: 07 May 2019 17:29

Instrument :

MSVOA_V

ClientSampled :

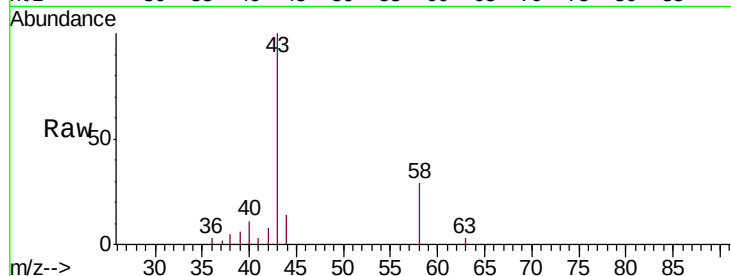
GAJ96

Tgt Ion: 43 Resp: 7011

Ion Ratio Lower Upper

43 100

58 32.0 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010696.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV010696.D (-330) (-)

2.19

5000

4000

3000

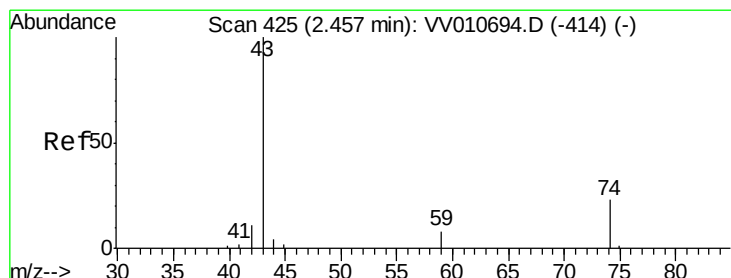
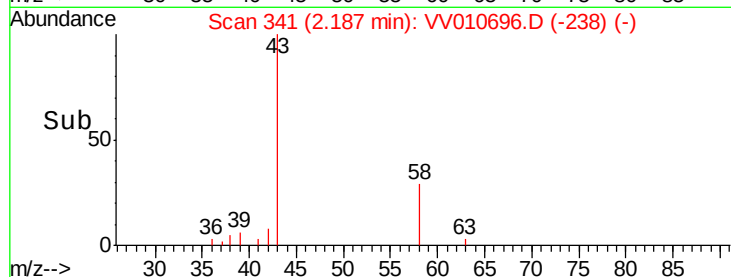
2000

1000

0

Time-->

2.15 2.20 2.25



#15

Methyl Acetate

Concen: 1.209 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV010696.D

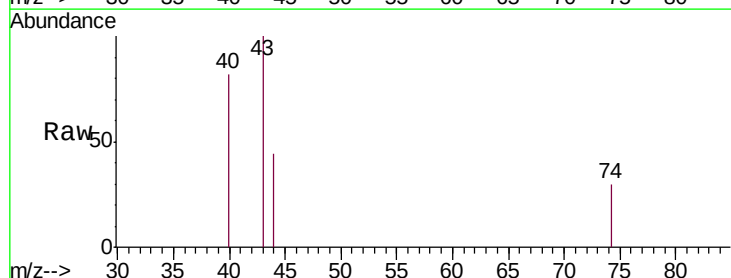
Acq: 07 May 2019 17:29

Tgt Ion: 43 Resp: 640

Ion Ratio Lower Upper

43 100

74 14.4 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VV010696.D (-330) (-)

Ion 74.00 (73.70 to 74.70): VV010696.D (-330) (-)

500

400

300

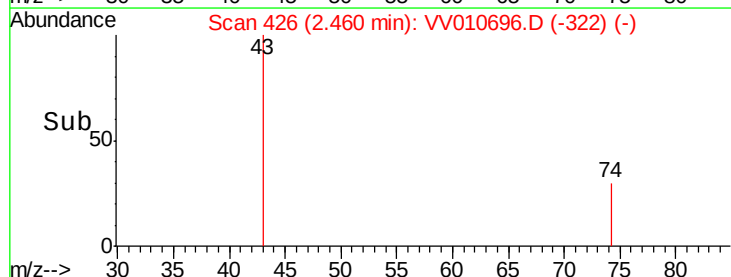
200

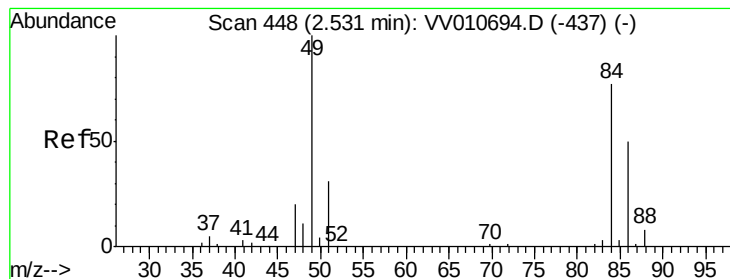
100

0

Time-->

2.42 2.44 2.46 2.48





#16

Methylene chloride

Concen: 1.395 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

GAJ96

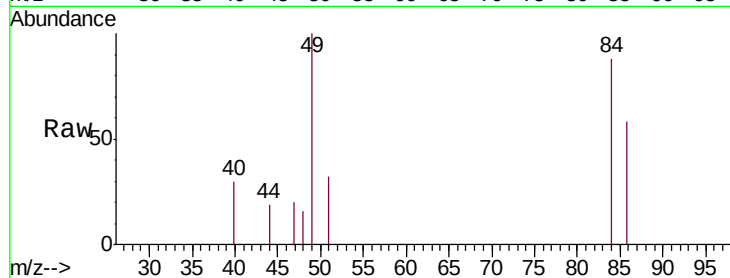
Tgt Ion: 84 Resp: 1325

Ion Ratio Lower Upper

84 100

49 114.3 92.9 172.5

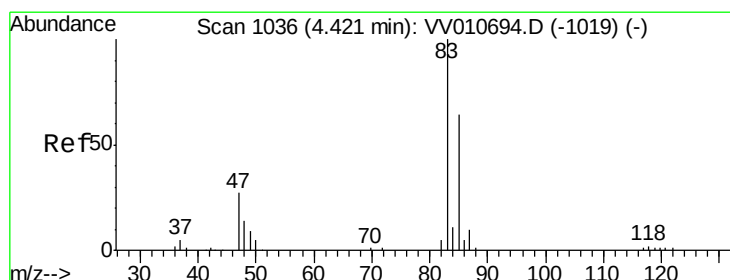
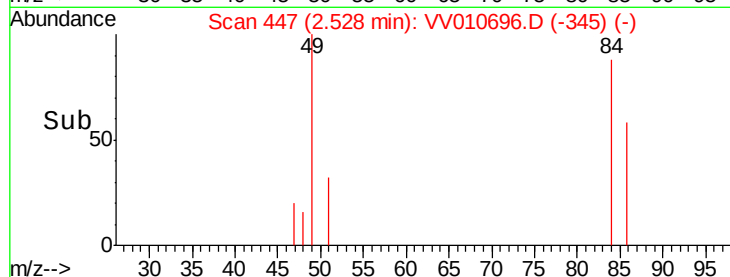
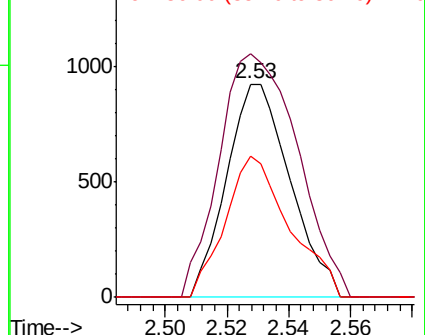
86 66.4 46.5 86.5



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



#25

Chloroform

Concen: 2.488 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV010696.D

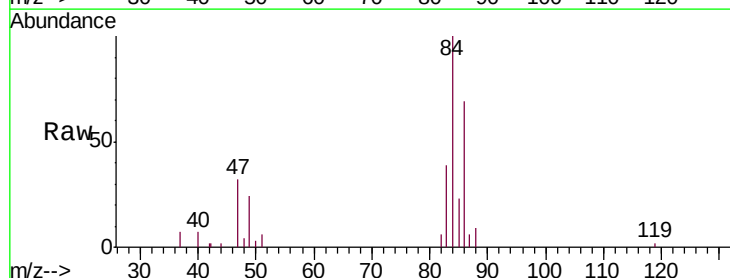
Acq: 07 May 2019 17:29

Tgt Ion: 83 Resp: 4625

Ion Ratio Lower Upper

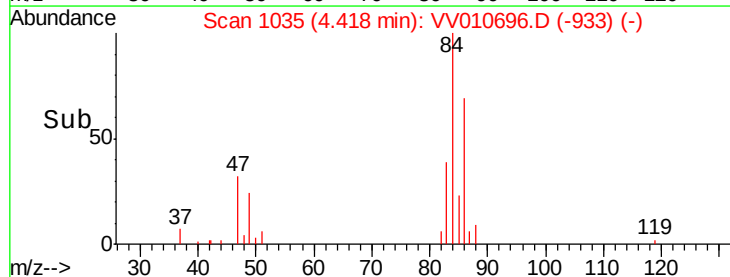
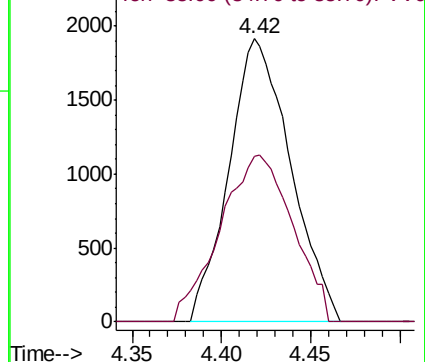
83 100

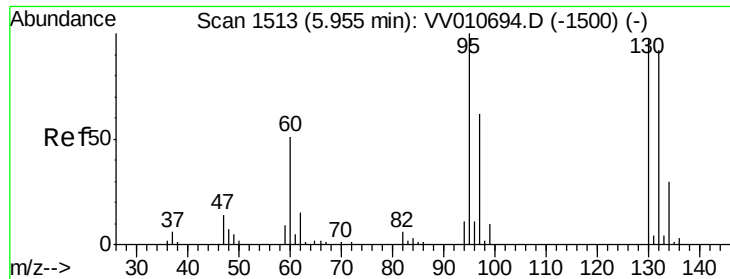
85 69.2 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#35

Trichloroethene

Concen: 1.836 ug/L

RT: 5.66 min Scan# 1421

Delta R.T. -0.30 min

Lab File: VV010696.D

Acq: 07 May 2019 17:29

Instrument :

MSVOA_V

ClientSampleId :

GAJ96

Tgt Ion: 95 Resp: 1979

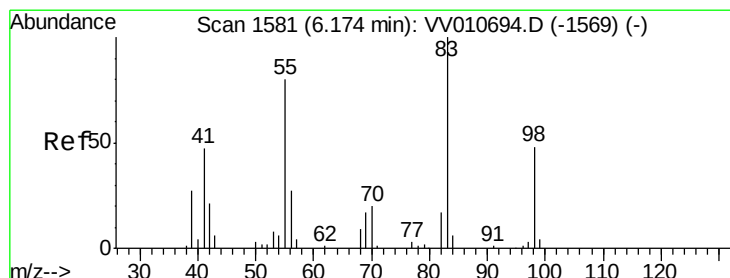
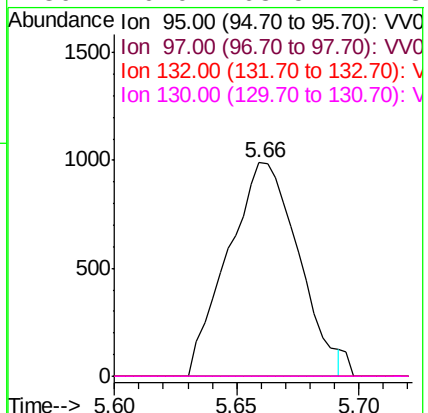
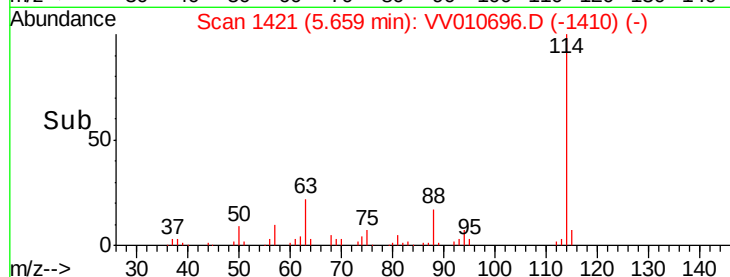
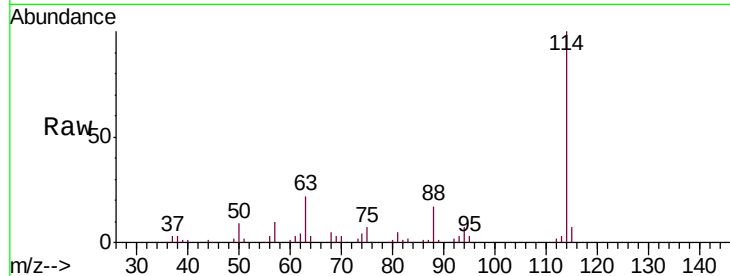
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 62.4 115.8#

130 0.0 68.5 127.3#



#36

Methylcyclohexane

Concen: 3.191 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV010696.D

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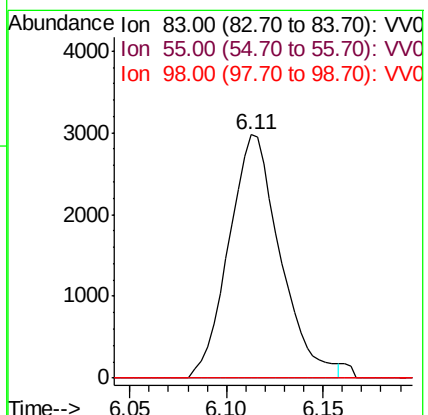
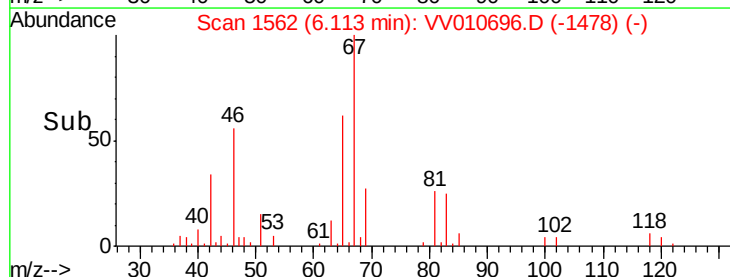
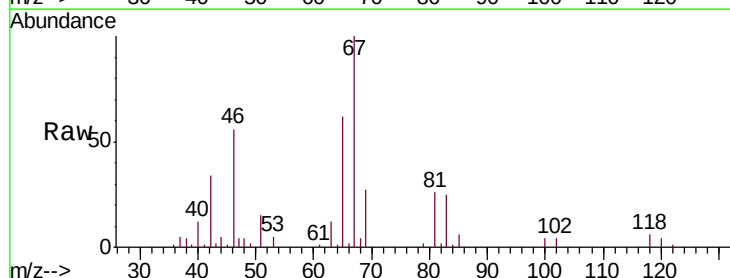
Tgt Ion: 83 Resp: 5513

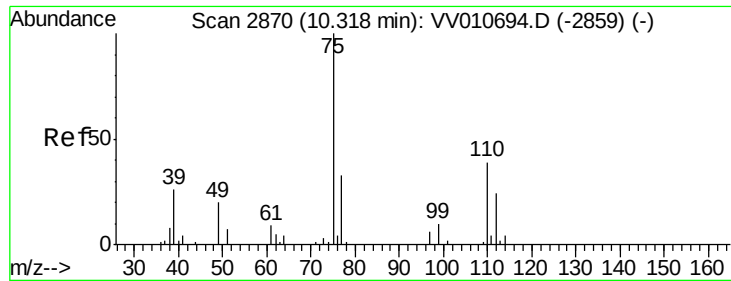
Ion Ratio Lower Upper

83 100

55 0.0 64.6 96.8#

98 2.8 37.7 56.5#

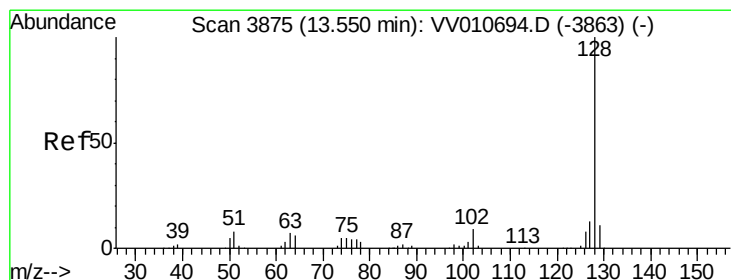
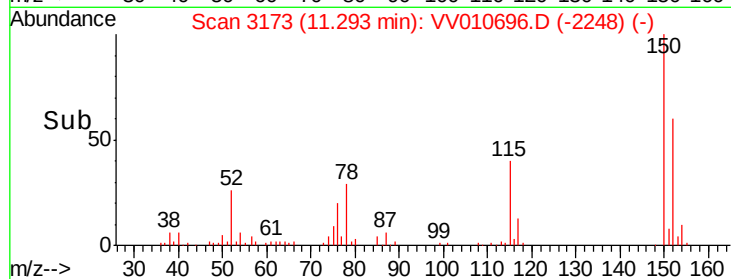
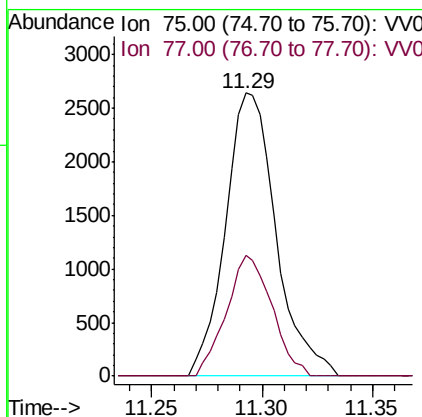
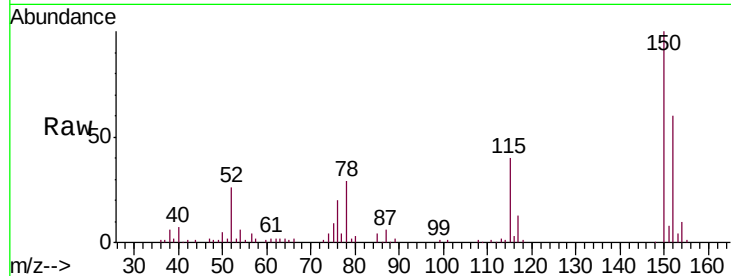




#59
 1,2,3-Trichloropropane
 Concen: 4.895 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.97 min
 Lab File: VV010696.D
 Acq: 07 May 2019 17:29

Instrument :
 MSVOA_V
 ClientSampleId :
 GAJ96

Tgt Ion: 75 Resp: 4210
 Ion Ratio Lower Upper
 75 100
 77 38.3 25.0 37.6#



#69
 Naphthalene
 Concen: 2.652 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV010696.D
 Acq: 07 May 2019 17:29

Tgt Ion: 128 Resp: 6421
 Ion Ratio Lower Upper
 128 100
 129 4.1 8.3 12.5#
 127 12.4 10.8 16.2

