

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015701.D
 Acq On : 25 Apr 2020 18:13
 Operator : SY/MD
 Sample : L2413-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKL6

Quant Time: Apr 27 03:10:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 27 01:12:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	127594	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122791	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57538	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29648	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.58	69	28454	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.12	63	46031	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	3.94	46	112413	52.50	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.00%
24) Chloroform-d	4.38	84	72869	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.06	65	42965	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.08	84	137158	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.10	67	44807	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.34	98	122789	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	7.65	79	13203	3.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.80%
46) 2-Hexanone-d5	8.12	63	81663	46.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	33214	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	48463	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

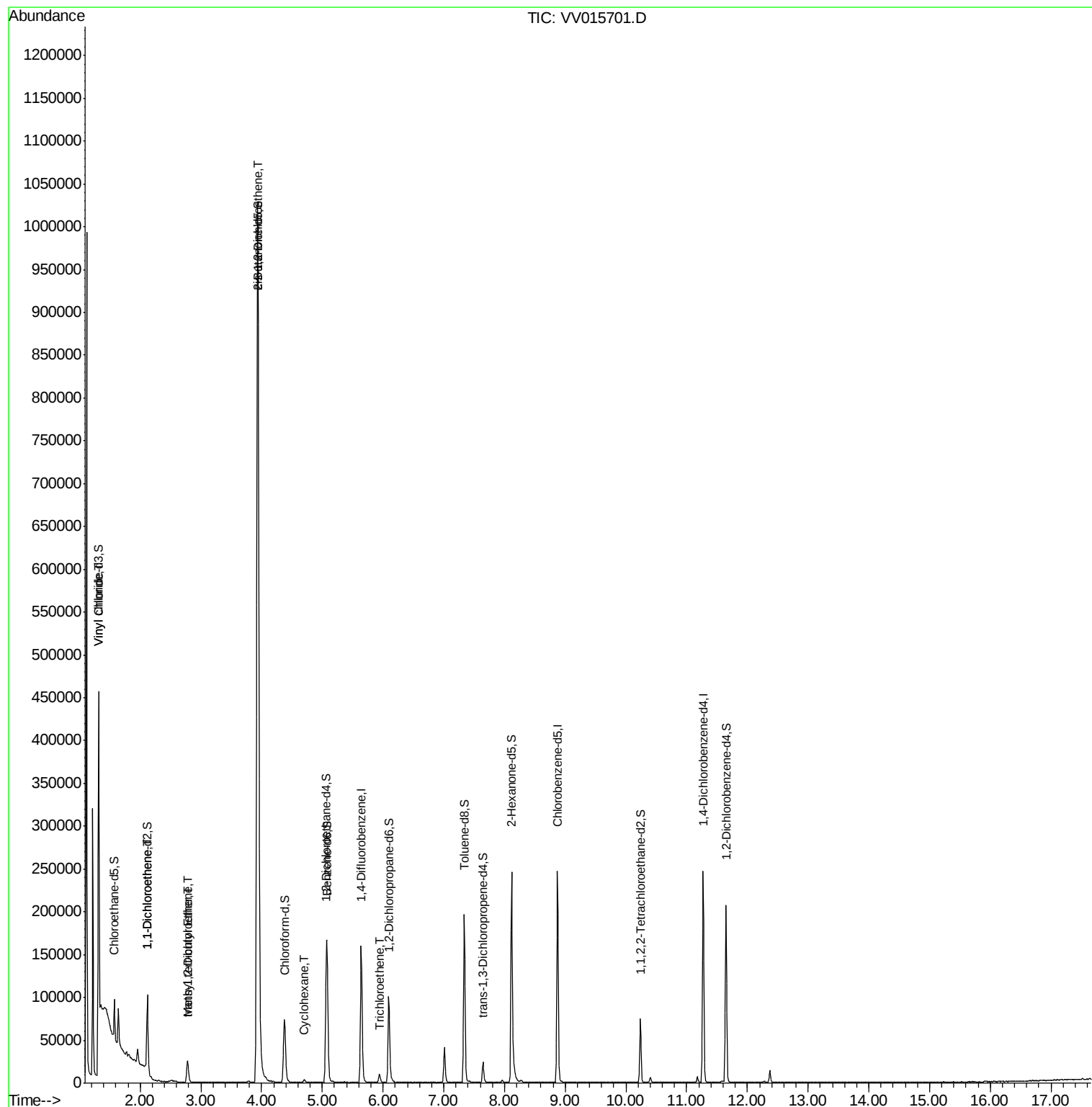
					Ovalue
5) Vinyl chloride	1.32	62	242448	24.010	ug/L 98
12) 1,1-Dichloroethene	2.13	96	1576	0.212	ug/L # 1
17) Methyl tert-butyl Ether	2.79	73	6252	0.300	ug/L # 70
18) trans-1,2-Dichloroethene	2.78	96	6442	0.775	ug/L 94
22) cis-1,2-Dichloroethene	3.94	96	519489	56.505	ug/L 96
30) Cyclohexane	4.70	56	1731	0.116	ug/L 96
34) Trichloroethene	5.94	95	3046	0.314	ug/L 92

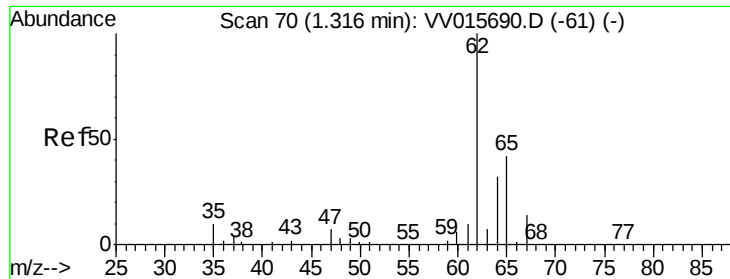
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 27 01:12:28 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 24.010 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

Instrument :

MSVOA_V

ClientSampled :

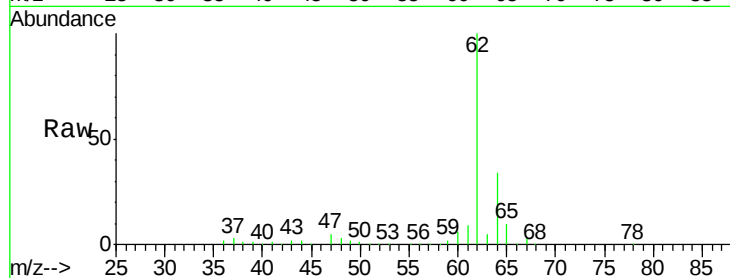
ETKL6

Tot Ion: 62 Resp: 242448

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

250000

200000

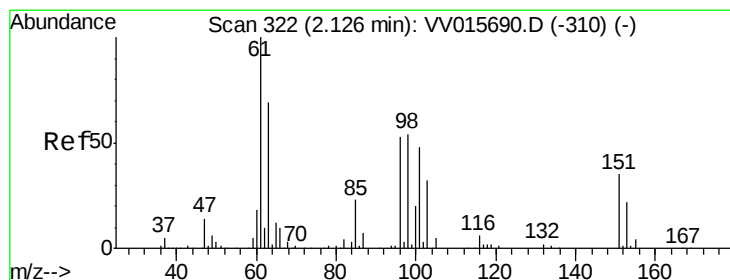
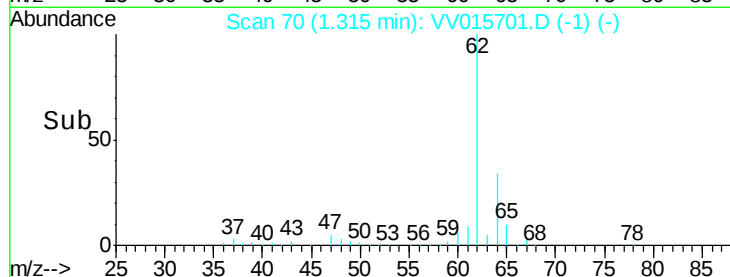
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.212 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

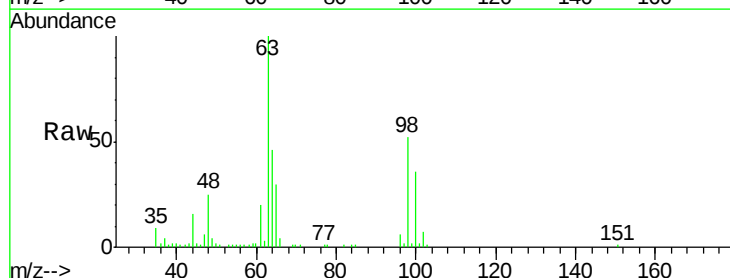
Tgt Ion: 96 Resp: 1576

Ion Ratio Lower Upper

96 100

61 364.2 130.1 241.7#

63 1813.0 91.4 169.8#



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

40000

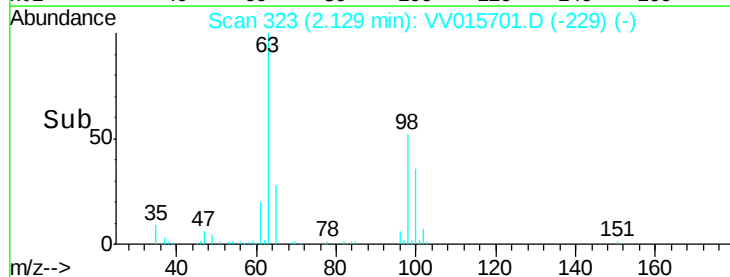
30000

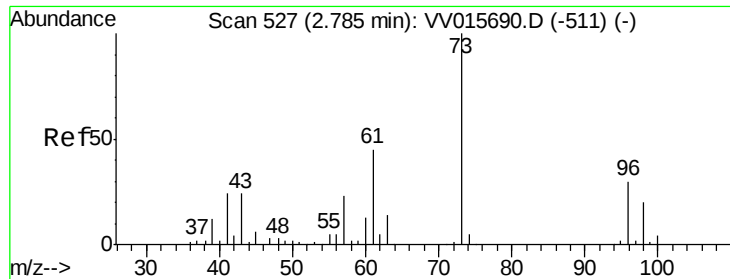
20000

10000

0

Time-->

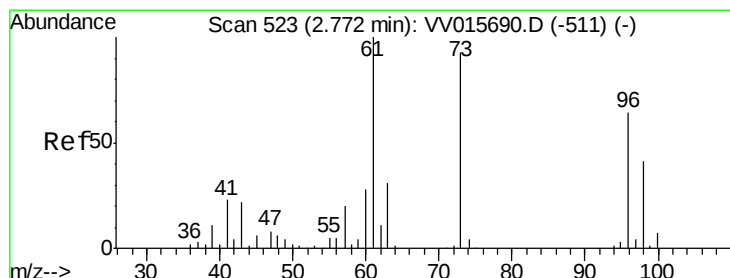
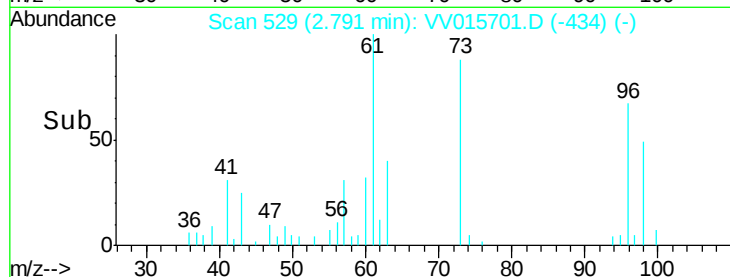
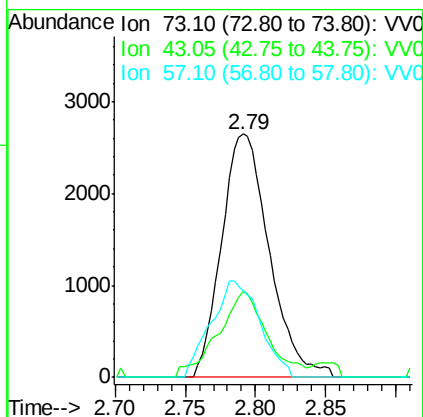
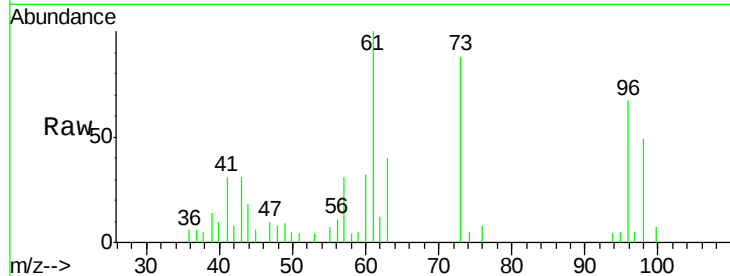




#17
Methvl tert-butvl Ether
Concen: 0.300 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV015701.D
Acq: 25 Apr 2020 18:13

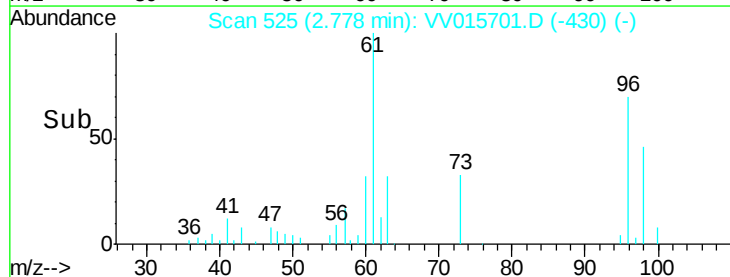
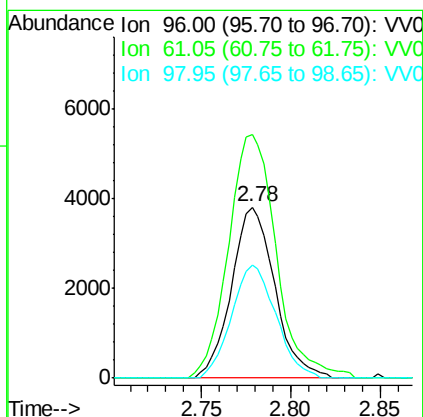
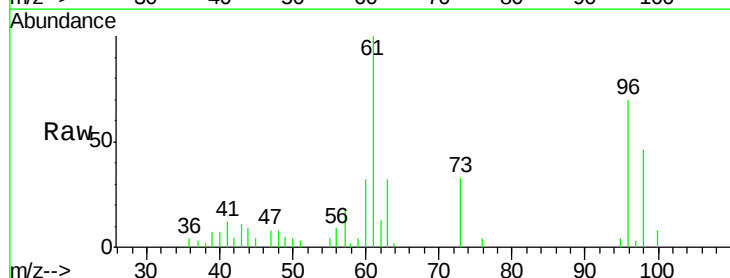
Instrument :
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ETKL6

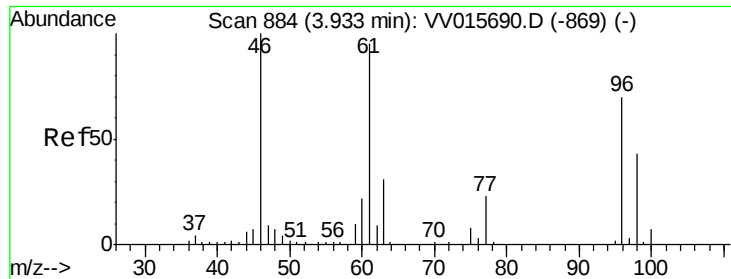
Tot Ion: 73 Resp: 6252
Ion Ratio Lower Upper
73 100
43 36.4 20.1 30.1#
57 40.6 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 0.775 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV015701.D
Acq: 25 Apr 2020 18:13

Tgt Ion: 96 Resp: 6442
Ion Ratio Lower Upper
96 100
61 142.7 105.5 195.9
98 66.2 44.2 82.0





#22

cis-1,2-Dichloroethene

Concen: 56.505 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

Instrument :
MSVOA_V
ClientSampleId :
ETKL6

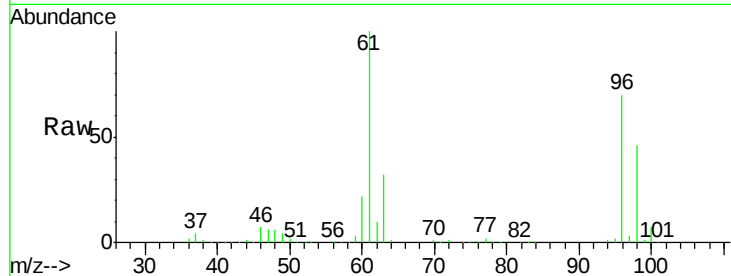
Tot Ion: 96 Resp: 519489

Ion Ratio Lower Upper

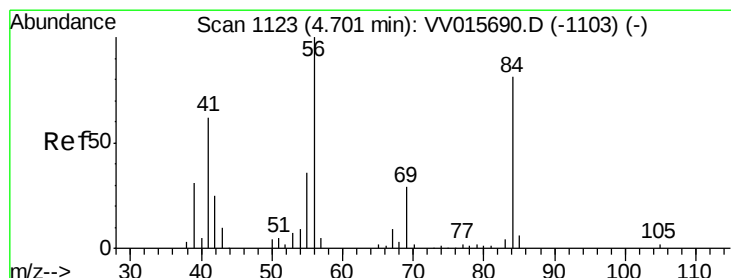
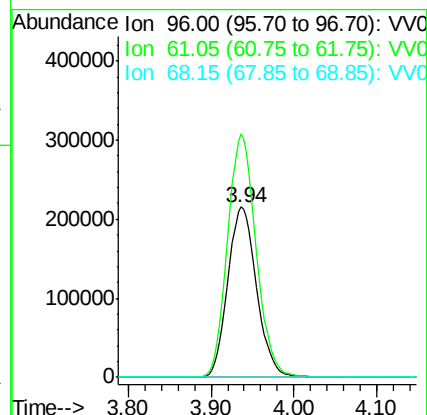
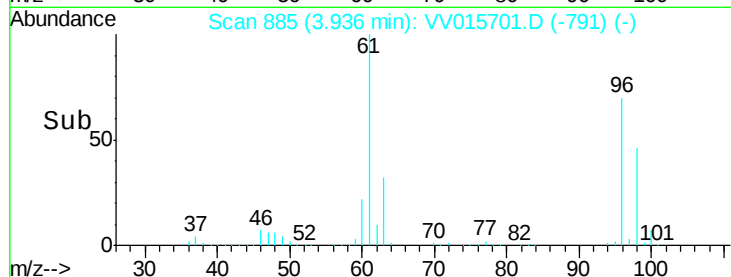
96 100

61 142.8 96.4 179.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



#30

Cyclohexane

Concen: 0.116 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

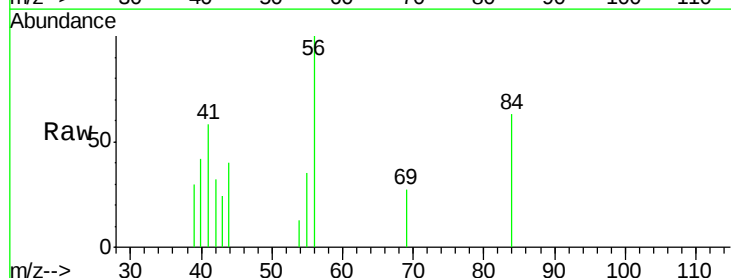
Tgt Ion: 56 Resp: 1731

Ion Ratio Lower Upper

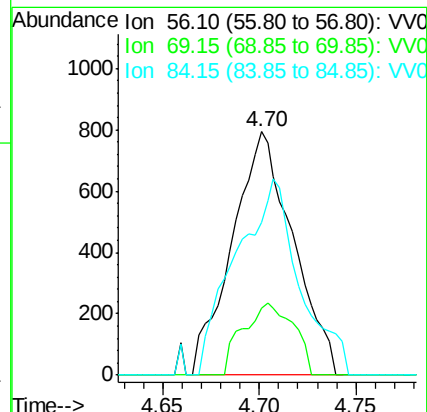
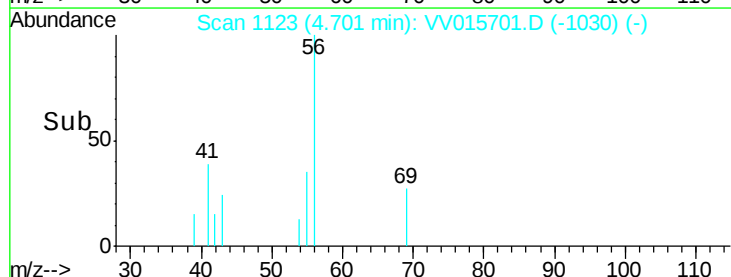
56 100

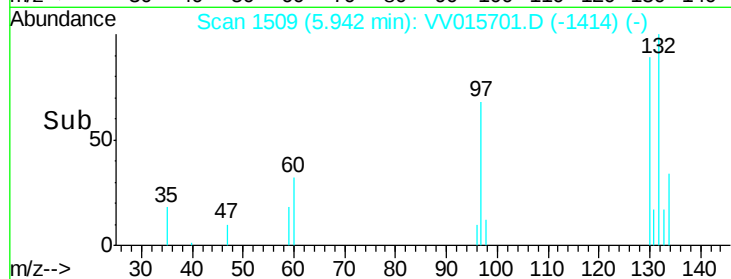
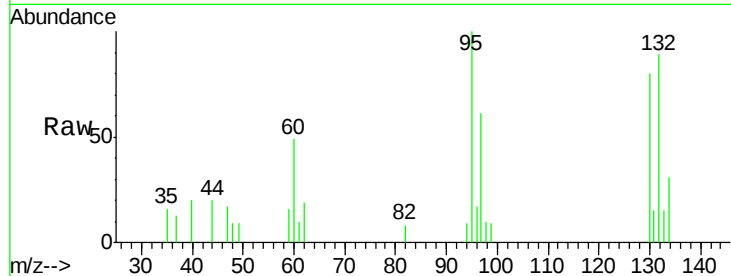
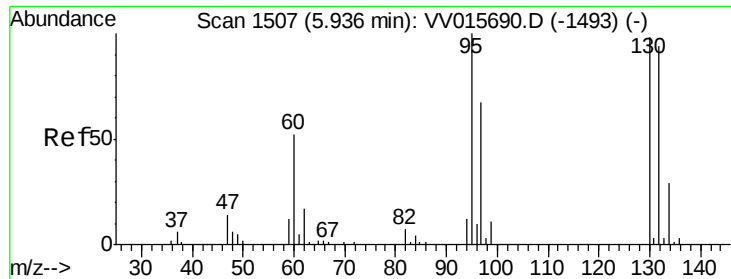
69 24.6 23.9 35.9

84 85.0 66.9 100.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#34

Trichloroethene

Concen: 0.314 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015701.D

Acq: 25 Apr 2020 18:13

Instrument :

MSVOA_V

ClientSampleId :

ETKL6

Tot Ion: 95 Resp: 3046

Ion Ratio Lower Upper

95 100

97 60.6 44.7 82.9

132 89.3 65.2 121.0

130 79.8 65.0 120.6

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

