

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\
 Data File : VV015684.D
 Acq On : 24 Apr 2020 19:14
 Operator : SY/MD
 Sample : L2370-23MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKP2MSD

Quant Time: Apr 25 03:55:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 25 00:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	123621	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	119563	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	58142	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30216	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.58	69	28465	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.12	63	67046	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	3.92	46	107972	52.05	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.10%
24) Chloroform-d	4.38	84	73156	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.06	65	42446	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.07	84	136669	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.10	67	44439	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.34	98	124543	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.64	79	11875	3.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.40%
46) 2-Hexanone-d5	8.11	63	84150	48.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32344	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	48732	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

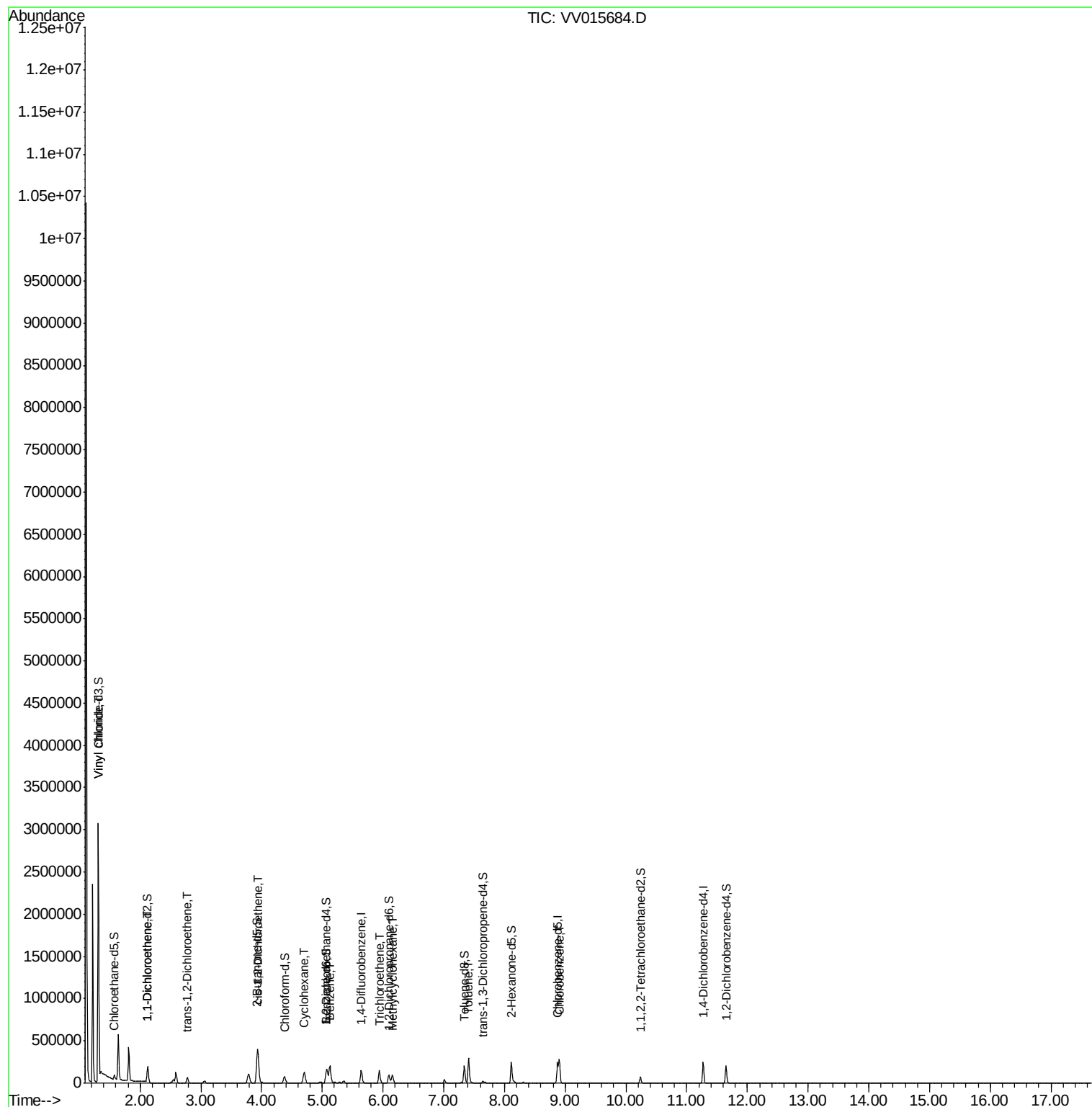
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	300827	30.748	ug/L	99
12) 1,1-Dichloroethene	2.13	96	40426	5.619	ug/L	93
18) trans-1,2-Dichloroethene	2.78	96	13501	1.676	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	186763	20.967	ug/L	99
30) Cyclohexane	4.70	56	68146	4.704	ug/L	99
33) Benzene	5.13	78	200923	5.882	ug/L	100
34) Trichloroethene	5.94	95	51535	5.463	ug/L	98
35) Methylcyclohexane	6.15	83	37010	2.556	ug/L	96
42) Toluene	7.41	91	203462	5.574	ug/L	100
51) Chlorobenzene	8.90	112	129833	5.430	ug/L	98

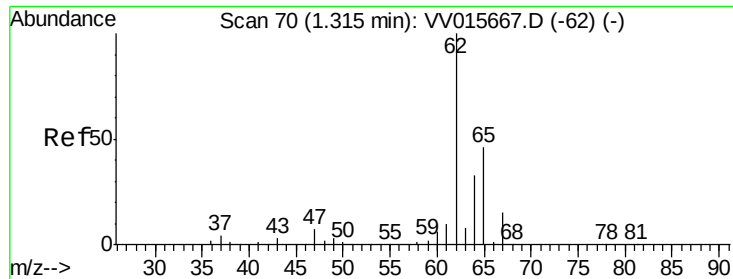
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 30.748 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015684.D

Acq: 24 Apr 2020 19:14

Instrument :

MSVOA_V

ClientSampleId :

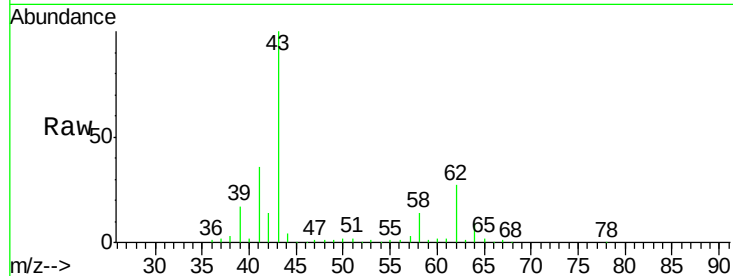
ETKP2MSD

Tot Ion: 62 Resp: 300827

Ion Ratio Lower Upper

62 100

64 32.0 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

300000

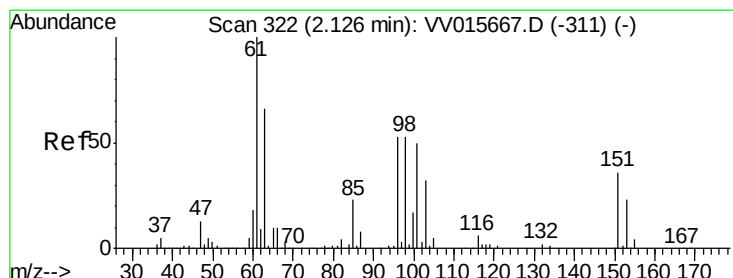
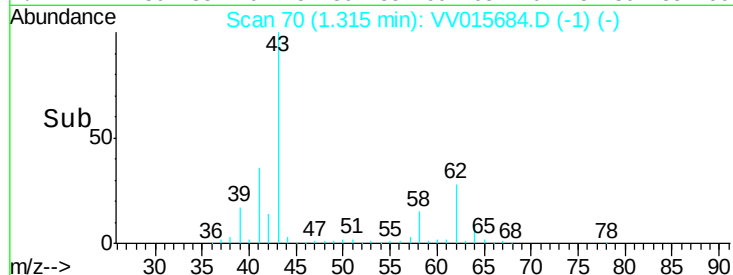
200000

100000

0

1.25 1.30 1.35 1.40 1.45

Time-->



#12

1,1-Dichloroethene

Concen: 5.619 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015684.D

Acq: 24 Apr 2020 19:14

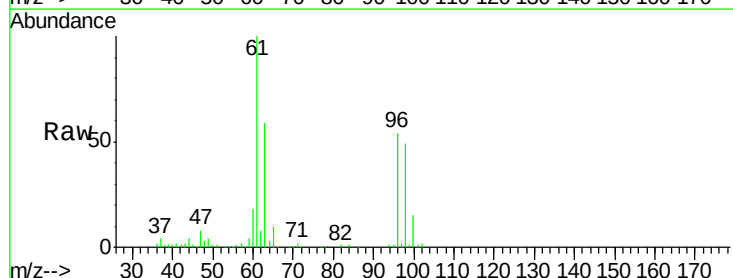
Tgt Ion: 96 Resp: 40426

Ion Ratio Lower Upper

96 100

61 186.3 130.1 241.7

63 110.6 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

60000

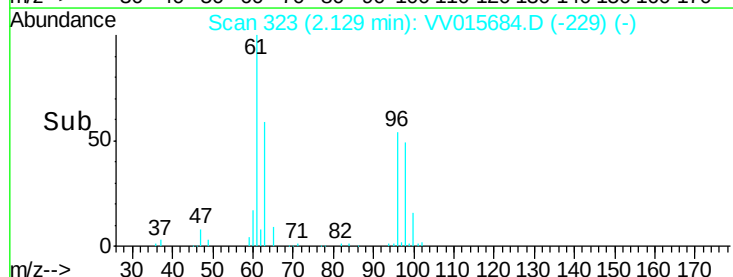
40000

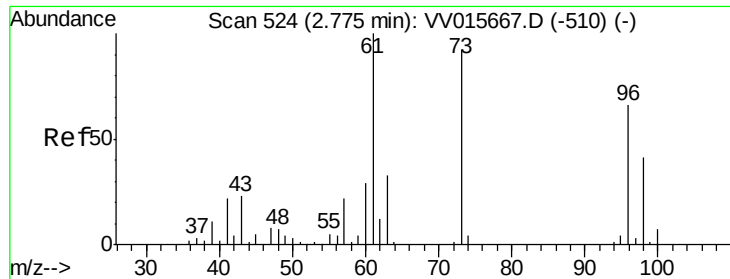
20000

0

2.05 2.10 2.15 2.20

Time-->

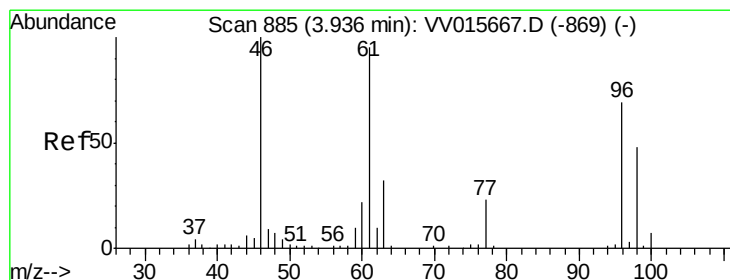
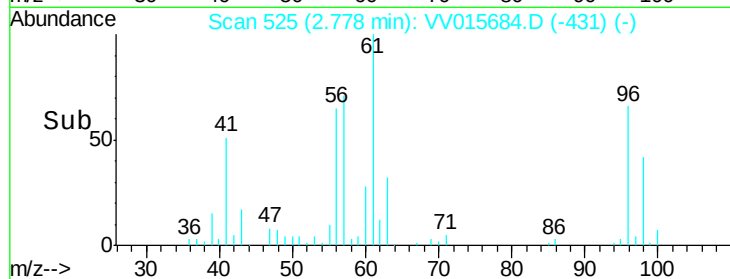
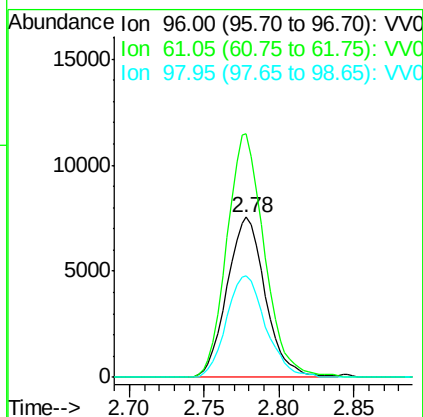
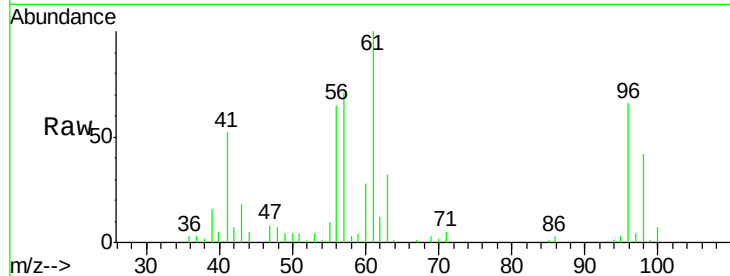




#18
trans-1,2-Dichloroethene
Concen: 1.676 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015684.D
Acq: 24 Apr 2020 19:14

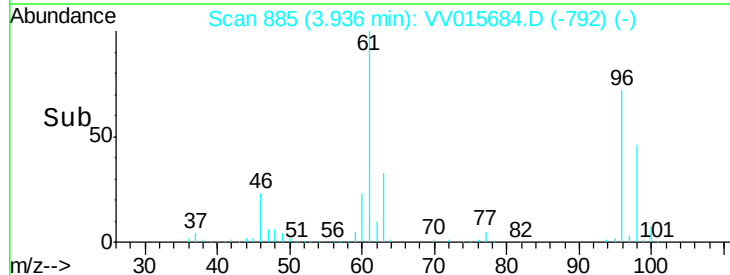
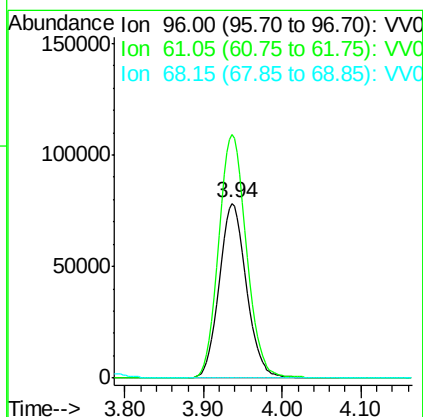
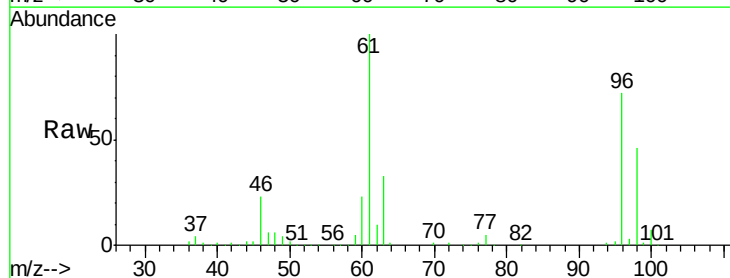
Instrument :
MSVOA_V
ClientSampled :
ETKP2MSD

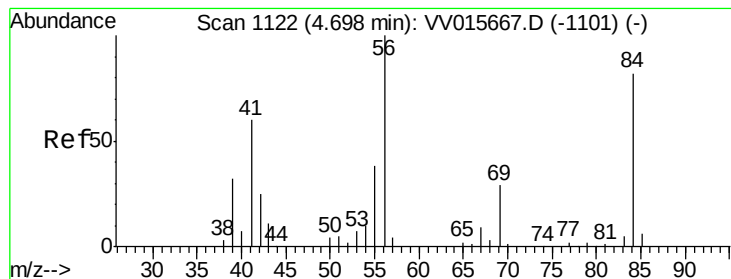
Tot Ion: 96 Resp: 13501
Ion Ratio Lower Upper
96 100
61 151.9 105.5 195.9
98 63.5 44.2 82.0



#22
cis-1,2-Dichloroethene
Concen: 20.967 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015684.D
Acq: 24 Apr 2020 19:14

Tgt Ion: 96 Resp: 186763
Ion Ratio Lower Upper
96 100
61 139.3 96.4 179.0
68 0.0 0.0 0.0





#30

Cyclohexane

Concen: 4.704 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV015684.D

Acq: 24 Apr 2020 19:14

Instrument :

MSVOA_V

ClientSampleId :

ETKP2MSD

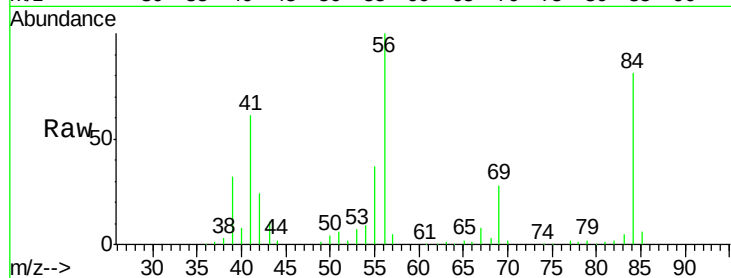
Tot Ion: 56 Resp: 68146

Ion Ratio Lower Upper

56 100

69 29.6 23.9 35.9

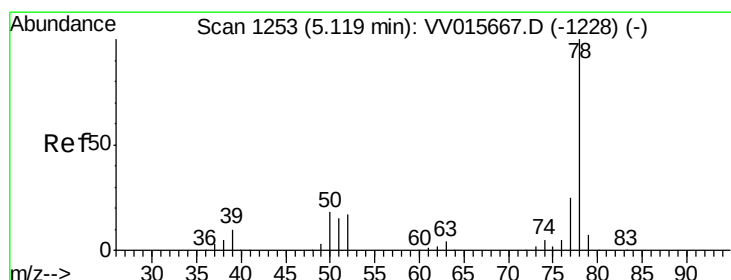
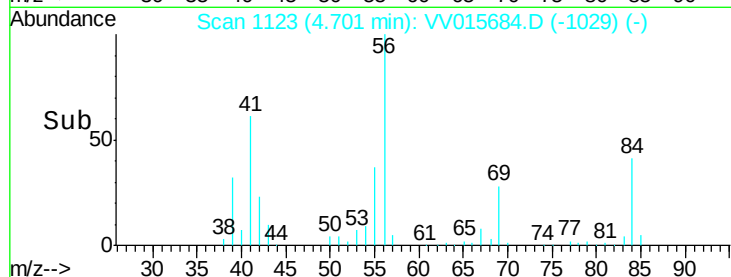
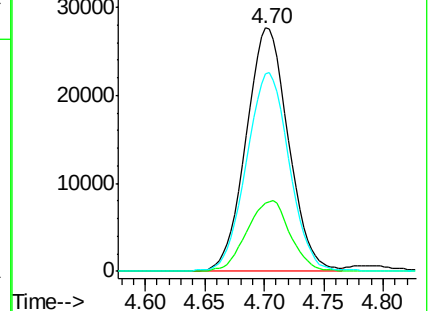
84 82.5 66.9 100.3



Abundance Ion 56.10 (55.80 to 56.80): VV015667.D (-1101) (-)

Ion 69.15 (68.85 to 69.85): VV015667.D (-1101) (-)

Ion 84.15 (83.85 to 84.85): VV015667.D (-1101) (-)



#33

Benzene

Concen: 5.882 ug/L

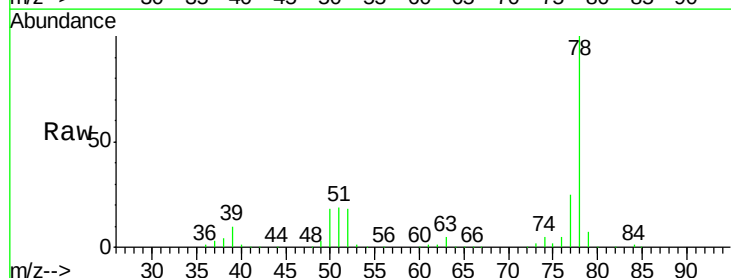
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

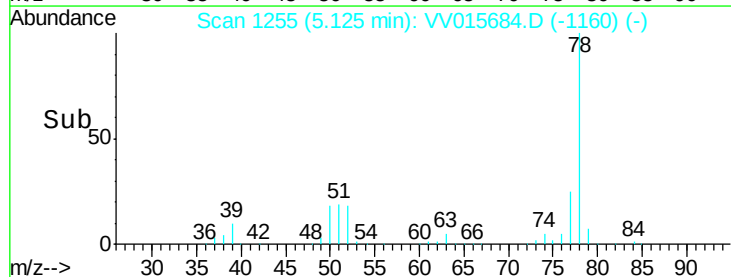
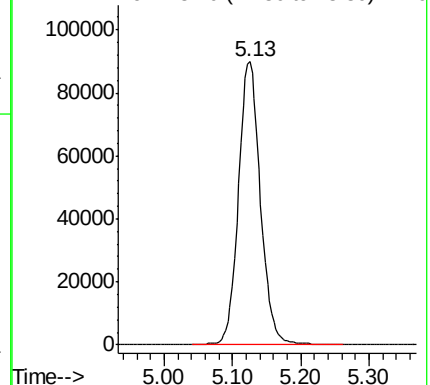
Lab File: VV015684.D

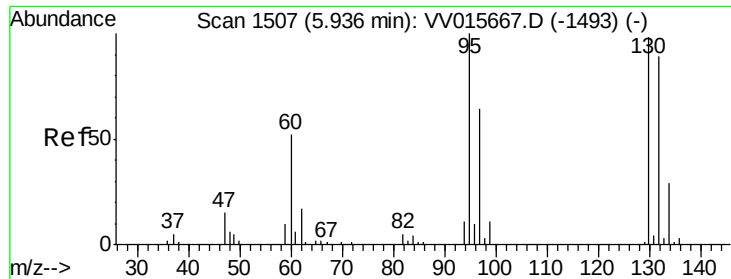
Acq: 24 Apr 2020 19:14

Tgt Ion: 78 Resp: 200923



Abundance Ion 78.10 (77.80 to 78.80): VV015667.D (-1228) (-)





#34

Trichloroethene

Concen: 5.463 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015684.D

Acq: 24 Apr 2020 19:14

Instrument :

MSVOA_V

ClientSampleId :

ETKP2MSD

Tot Ion: 95 Resp: 51535

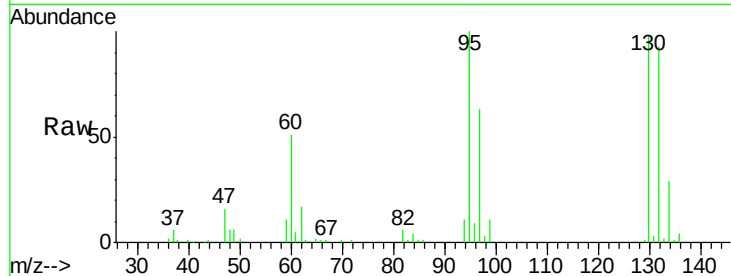
Ion Ratio Lower Upper

95 100

97 63.4 44.7 82.9

132 93.3 65.2 121.0

130 97.9 65.0 120.6

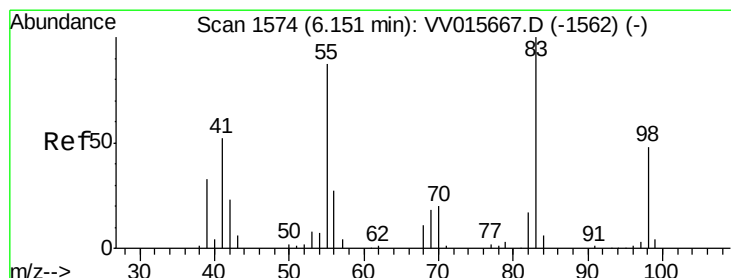
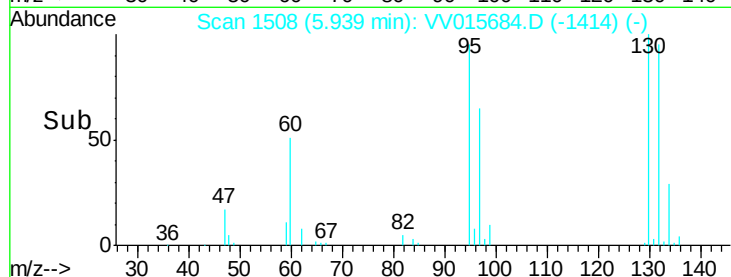
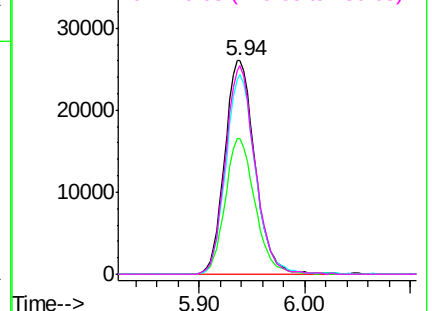


Abundance Ion 95.00 (94.70 to 95.70): VV015667.D (-1493) (-)

Ion 96.95 (96.65 to 97.65): VV015667.D (-1493) (-)

Ion 131.95 (131.65 to 132.65): VV015667.D (-1493) (-)

Ion 129.95 (129.65 to 130.65): VV015667.D (-1493) (-)



#35

Methylcyclohexane

Concen: 2.556 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015684.D

Acq: 24 Apr 2020 19:14

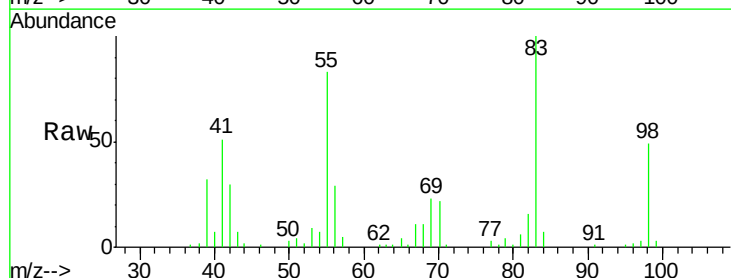
Tgt Ion: 83 Resp: 37010

Ion Ratio Lower Upper

83 100

55 88.3 66.6 99.8

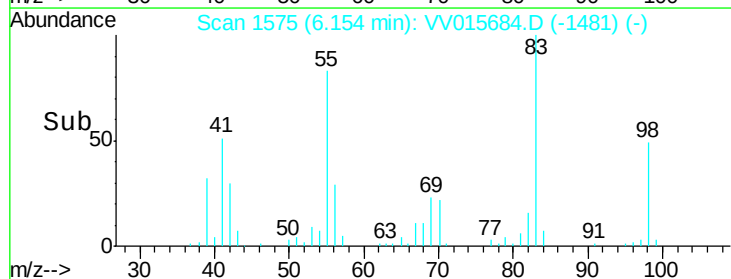
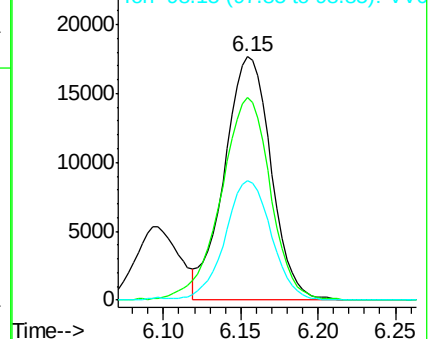
98 48.7 39.5 59.3

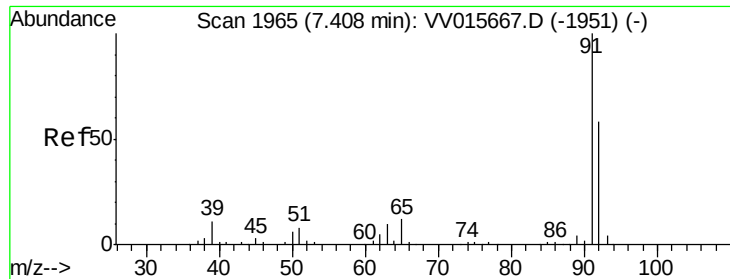


Abundance Ion 83.15 (82.85 to 83.85): VV015667.D (-1562) (-)

Ion 55.10 (54.80 to 55.80): VV015667.D (-1562) (-)

Ion 98.15 (97.85 to 98.85): VV015667.D (-1562) (-)





#42

Toluene

Concen: 5.574 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015684.D

Acq: 24 Apr 2020 19:14

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ClientSampleId :

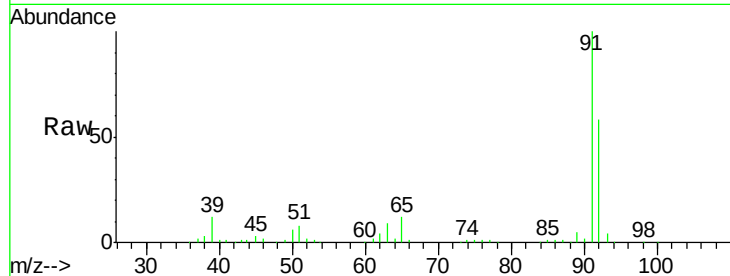
ETKP2MSD

Tot Ion: 91 Resp: 203462

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV015667.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015667.D (-1951) (-)

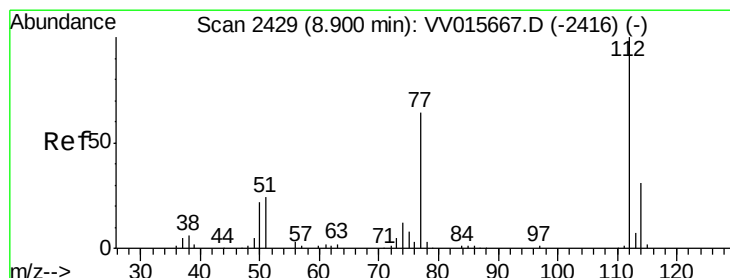
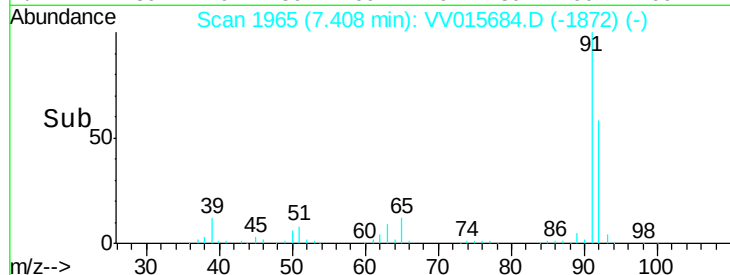
7.41

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 5.430 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015684.D

Acq: 24 Apr 2020 19:14

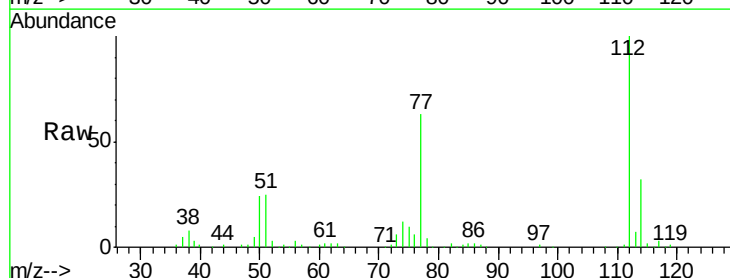
Tgt Ion: 112 Resp: 129833

Ion Ratio Lower Upper

112 100

114 31.7 21.6 40.2

77 62.7 48.9 73.3



Abundance Ion 112.10 (111.80 to 112.80): VV015667.D (-2416) (-)

Ion 114.05 (113.75 to 114.75): VV015667.D (-2416) (-)

Ion 77.10 (76.80 to 77.80): VV015667.D (-2416) (-)

8.90

100000

80000

60000

40000

20000

0

Time-->

