

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015714.D
 Acq On : 25 Apr 2020 23:18
 Operator : SY/MD
 Sample : L2413-21MSD
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKM8MSD

Quant Time: Apr 27 05:59:22 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	128979	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	126040	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	59570	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36397	5.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.00%
7) Chloroethane-d5	1.58	69	27064	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.13	63	82493	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.80%
20) 2-Butanone-d5	3.92	46	109753	50.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.42%
24) Chloroform-d	4.38	84	71141	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.06	65	40638	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.08	84	132171	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.10	67	43717	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.34	98	120300	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	7.65	79	11419	3.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.40%
46) 2-Hexanone-d5	8.11	63	82636	45.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.18%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	31508	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	46601	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

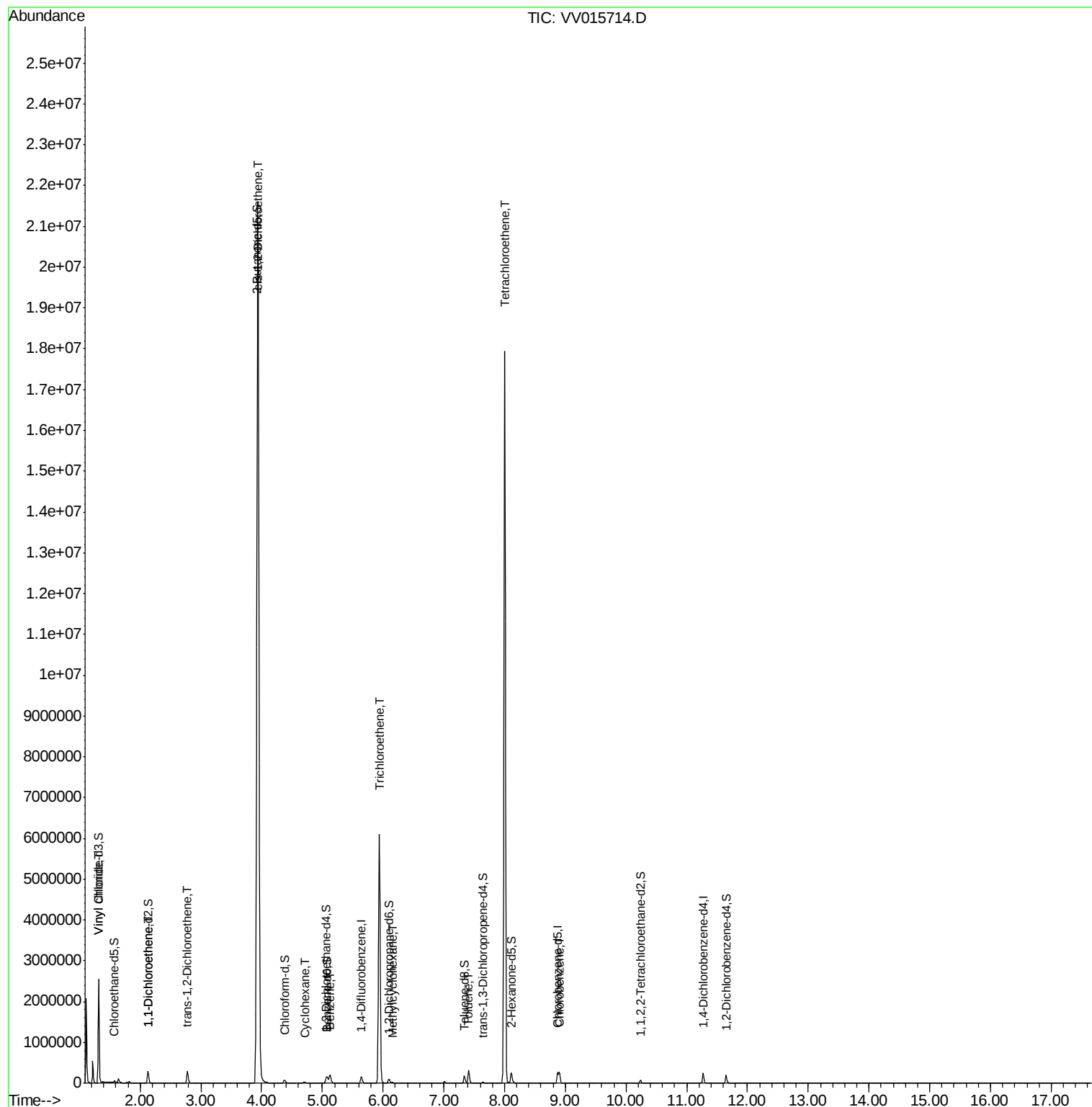
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1466694	143.687	ug/L	100
12) 1,1-Dichloroethene	2.13	96	67459	8.986	ug/L #	85
18) trans-1,2-Dichloroethene	2.78	96	96897	11.528	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	11541542	1241.901	ug/L	95
30) Cyclohexane	4.71	56	9788	0.641	ug/L	95
33) Benzene	5.13	78	197731	5.491	ug/L	100
34) Trichloroethene	5.94	95	2060088	207.153	ug/L	98
35) Methylcyclohexane	6.15	83	4332	0.284	ug/L	88
42) Toluene	7.41	91	210195	5.463	ug/L	99
47) Tetrachloroethene	8.00	164	3666115	511.993	ug/L	97
51) Chlorobenzene	8.90	112	132683	5.264	ug/L	98

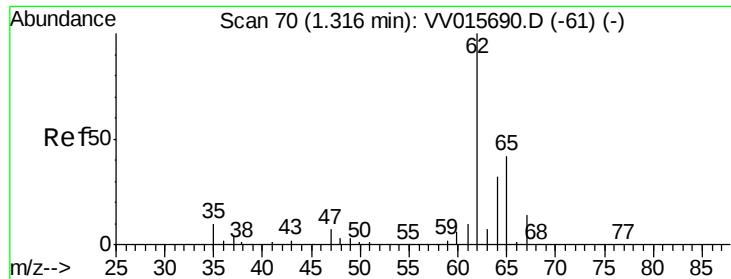
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 143.687 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015714.D

Acq: 25 Apr 2020 23:18

Instrument :

MSVOA_V

ClientSampleId :

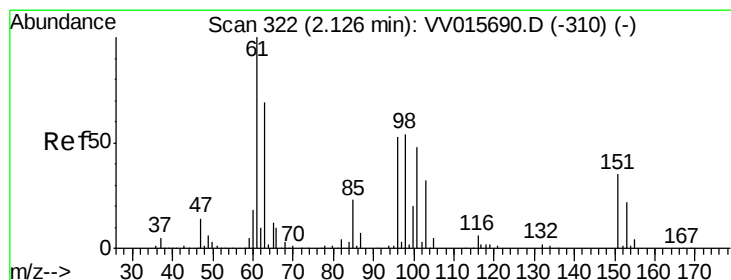
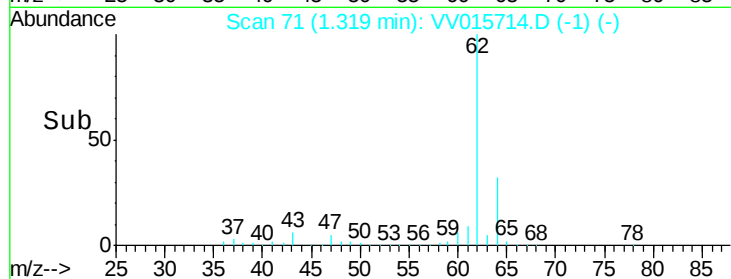
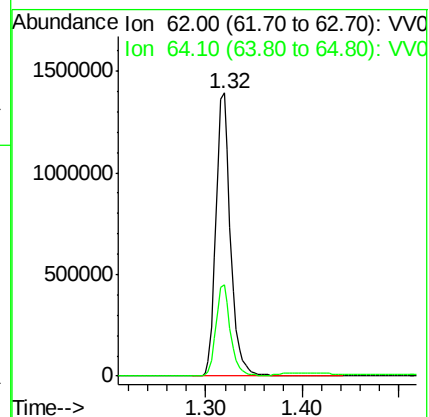
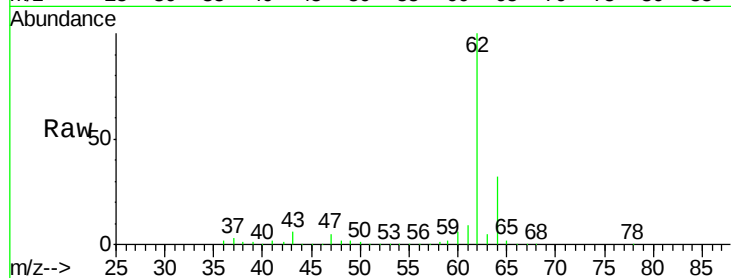
ETKM8MSD

Tot Ion: 62 Resp: 1466694

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.1



#12

1,1-Dichloroethene

Concen: 8.986 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015714.D

Acq: 25 Apr 2020 23:18

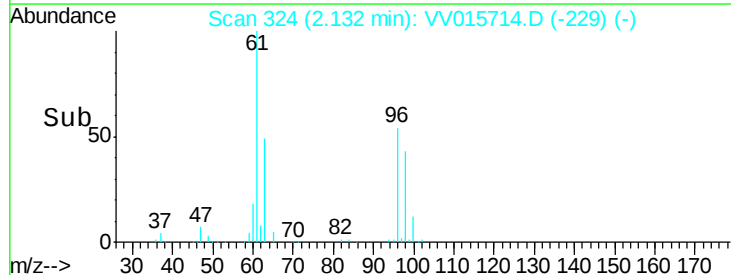
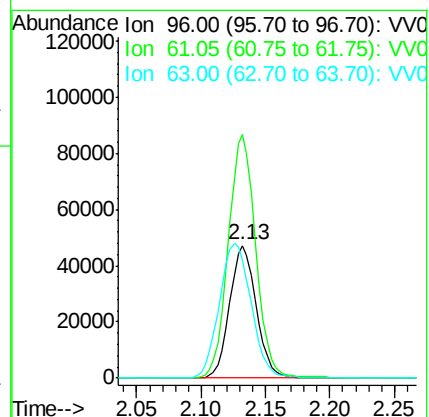
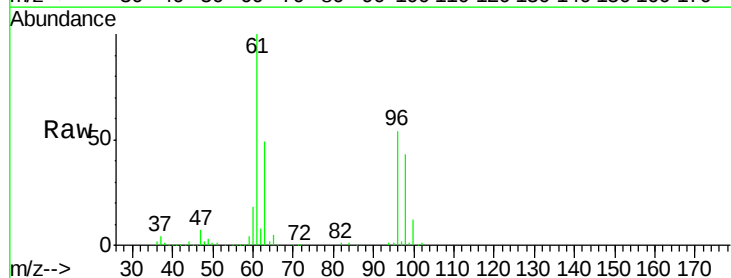
Tgt Ion: 96 Resp: 67459

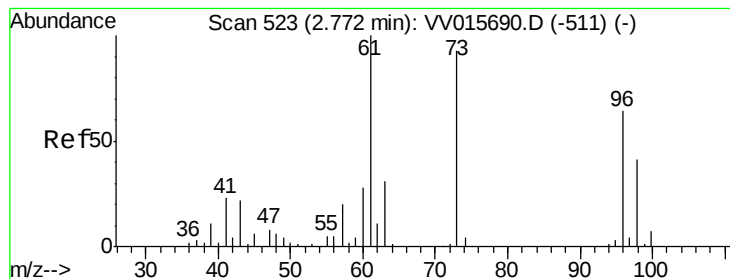
Ion Ratio Lower Upper

96 100

61 183.9 130.1 241.7

63 89.7 91.4 169.8#





#18

trans-1,2-Dichloroethene

Concen: 11.528 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV015714.D

Acq: 25 Apr 2020 23:18

Instrument :

MSVOA_V

ClientSampleId :

ETKM8MSD

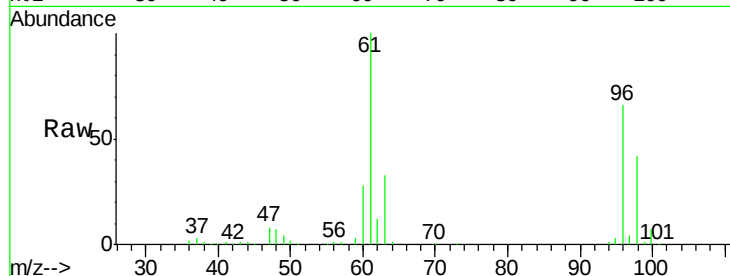
Tot Ion: 96 Resp: 96897

Ion Ratio Lower Upper

96 100

61 152.1 105.5 195.9

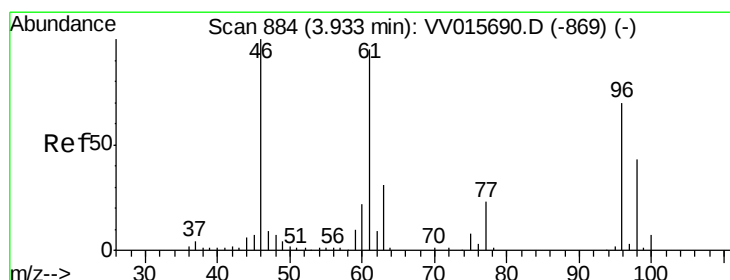
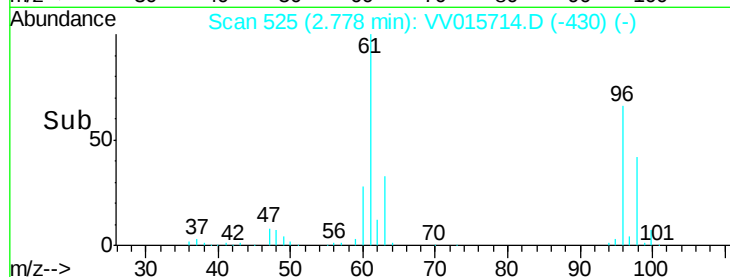
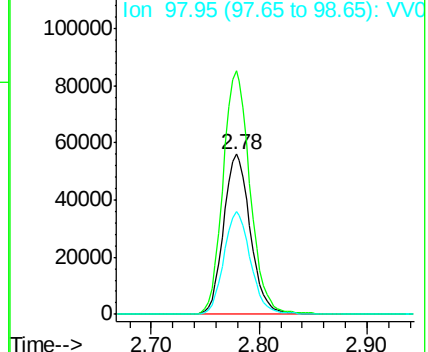
98 64.0 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 1241.901 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV015714.D

Acq: 25 Apr 2020 23:18

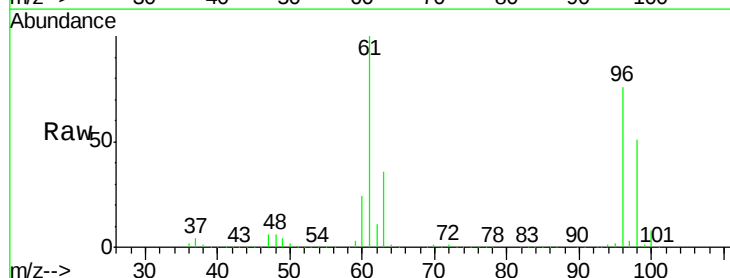
Tgt Ion: 96 Resp: 11541542

Ion Ratio Lower Upper

96 100

61 131.8 96.4 179.0

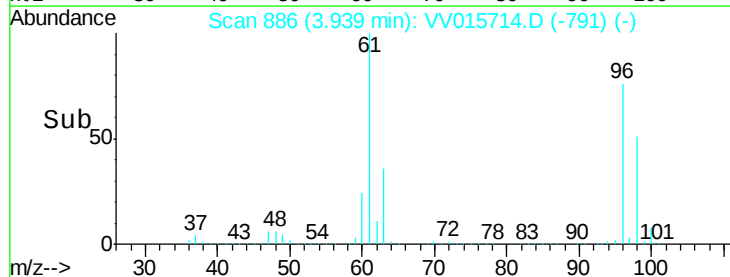
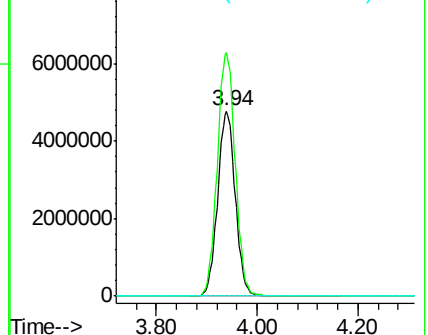
68 0.0 0.0 0.0

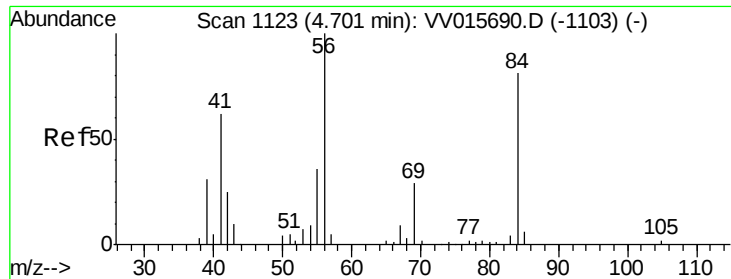


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

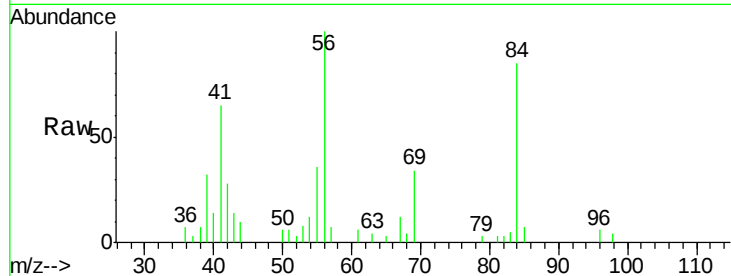




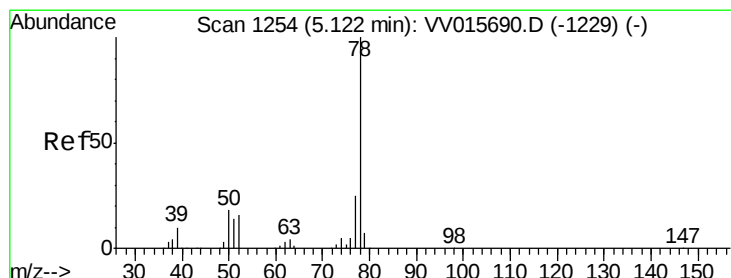
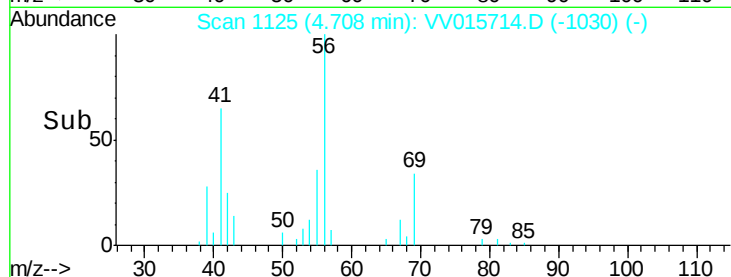
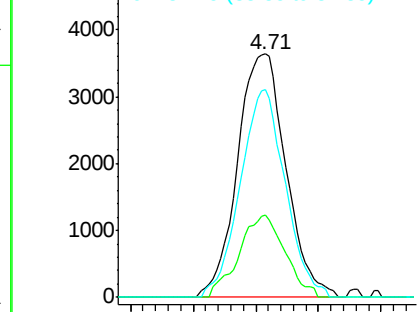
#30
Cyclohexane
Concen: 0.641 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV015714.D
Acq: 25 Apr 2020 23:18

Instrument :
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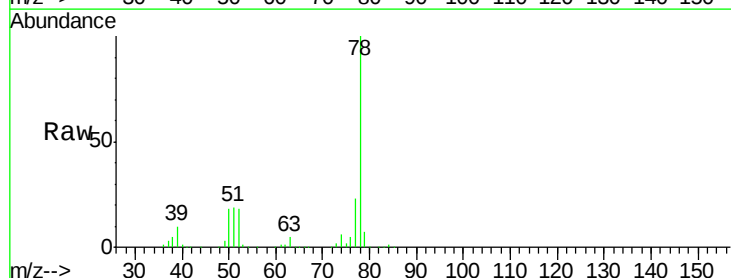
Tot Ion: 56 Resp: 9788
Ion Ratio Lower Upper
56 100
69 31.9 23.9 35.9
84 79.3 66.9 100.3



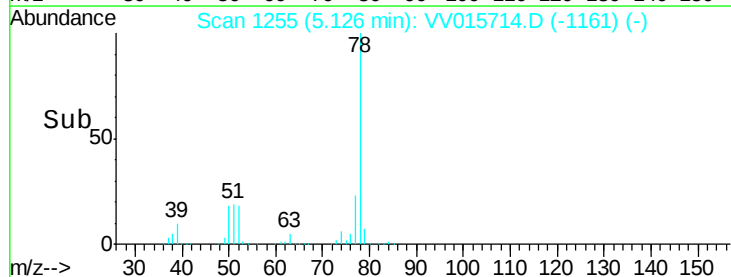
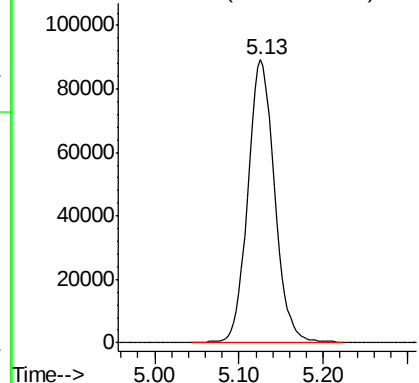
Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

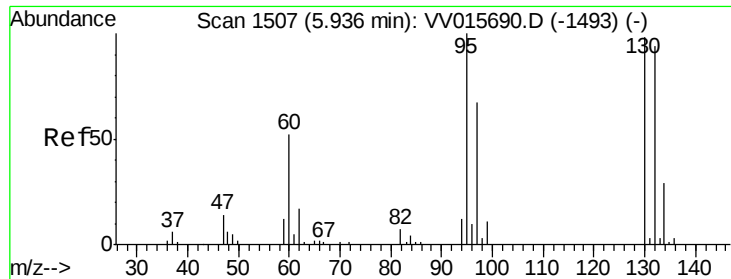


#33
Benzene
Concen: 5.491 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015714.D
Acq: 25 Apr 2020 23:18
Tgt Ion: 78 Resp: 197731



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 207.153 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015714.D

Acq: 25 Apr 2020 23:18

Instrument :

MSVOA_V

ClientSampleId :

ETKM8MSD

Tot Ion: 95 Resp: 2060088

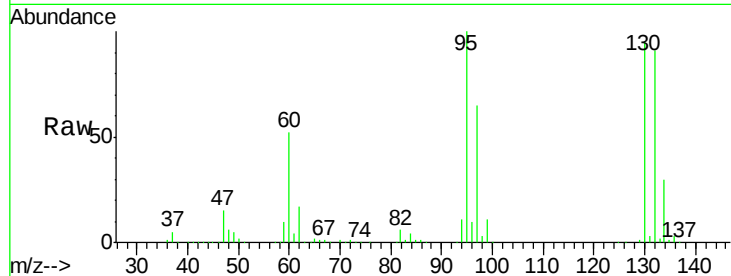
Ion Ratio Lower Upper

95 100

97 64.6 44.7 82.9

132 91.3 65.2 121.0

130 95.4 65.0 120.6

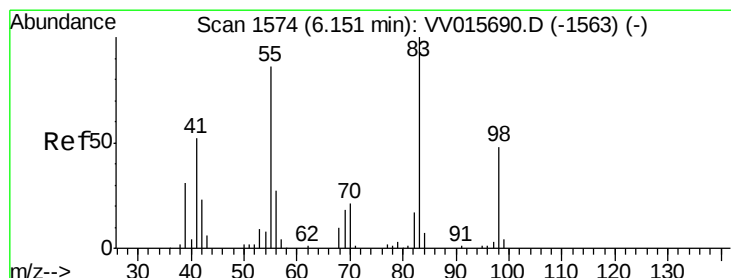
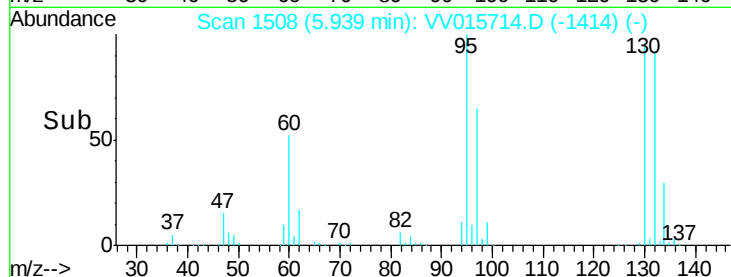
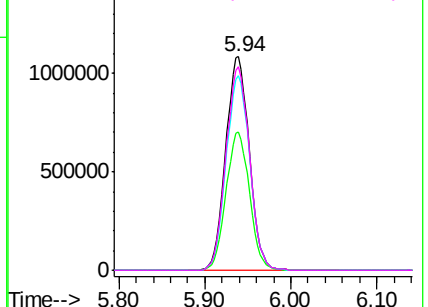


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.284 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015714.D

Acq: 25 Apr 2020 23:18

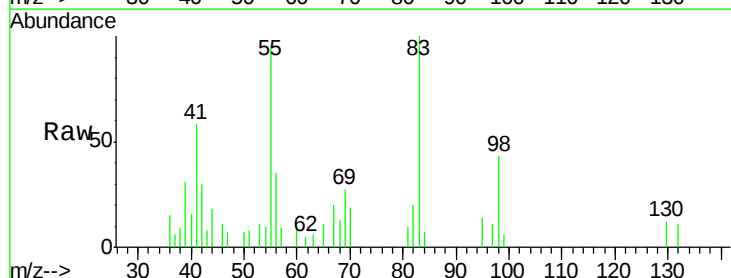
Tgt Ion: 83 Resp: 4332

Ion Ratio Lower Upper

83 100

55 96.5 66.6 99.8

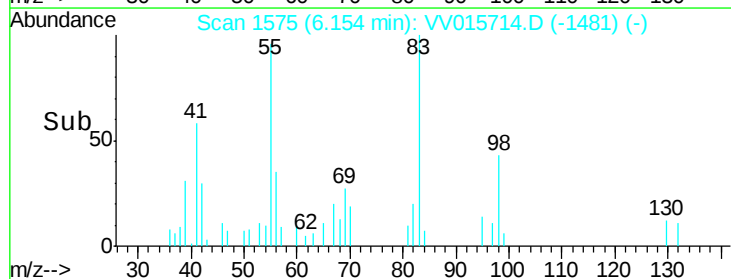
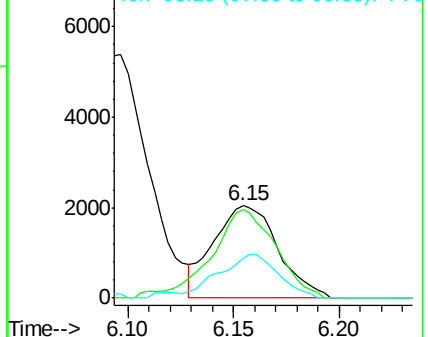
98 44.2 39.5 59.3

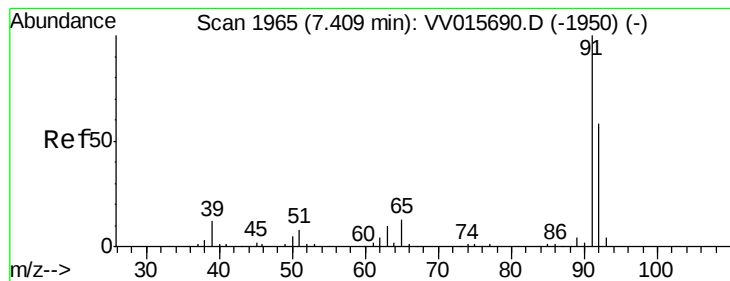


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#42

Toluene

Concen: 5.463 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015714.D

Acq: 25 Apr 2020 23:18

Instrument :

MSVOA_V

ClientSampled :

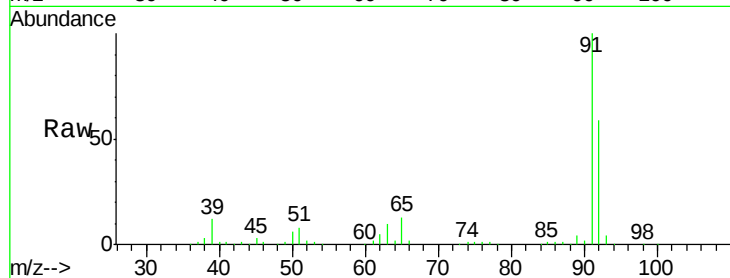
ETKM8MSD

Tot Ion: 91 Resp: 210195

Ion Ratio Lower Upper

91 100

92 59.0 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV015690.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV015690.D (-1950) (-)

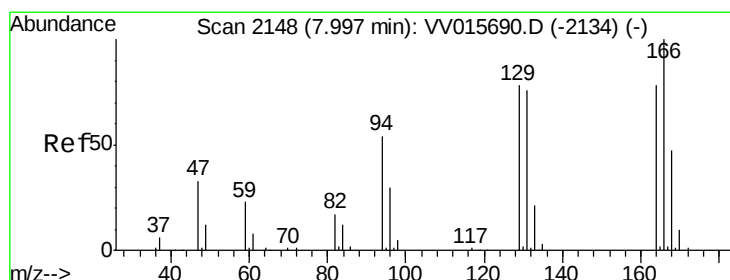
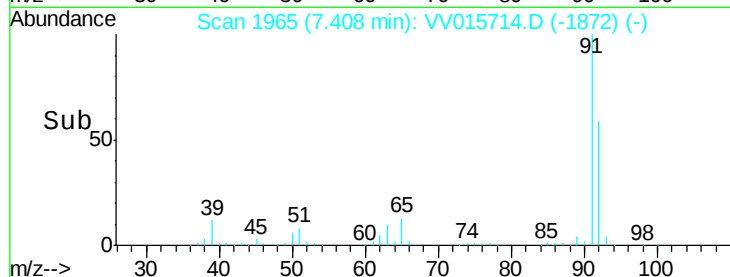
7.41

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 511.993 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV015714.D

Acq: 25 Apr 2020 23:18

Tgt Ion: 164 Resp: 3666115

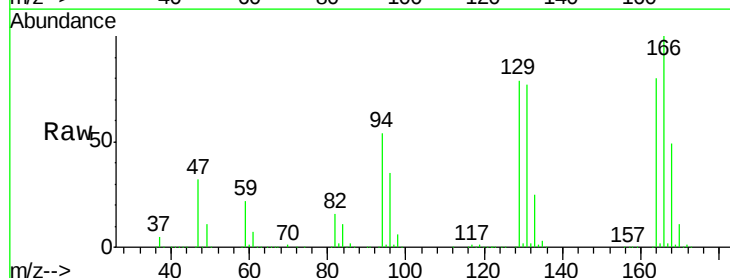
Ion Ratio Lower Upper

164 100

129 99.8 66.7 123.9

131 96.6 66.6 123.6

166 125.7 85.3 158.5



Abundance Ion 163.90 (163.60 to 164.60): VV015690.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV015690.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV015690.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV015690.D (-2134) (-)

8.00

4000000

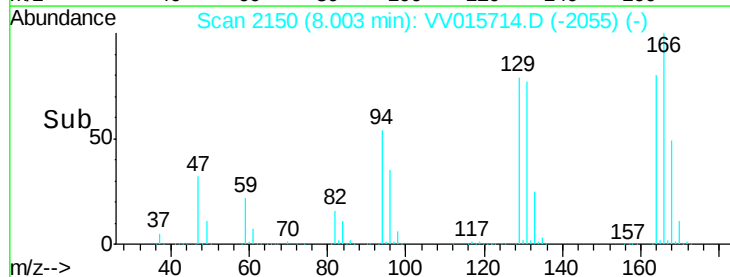
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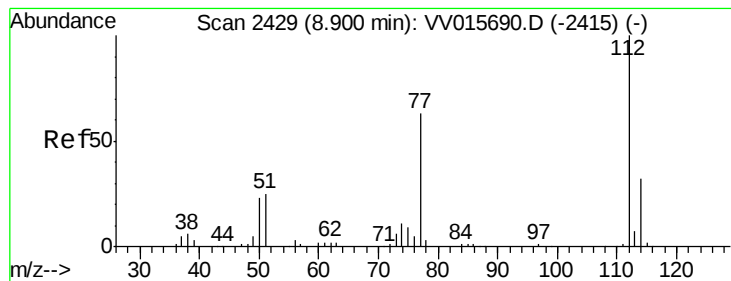
2000000

1000000

0

Time-->





#51

Chlorobenzene

Concen: 5.264 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

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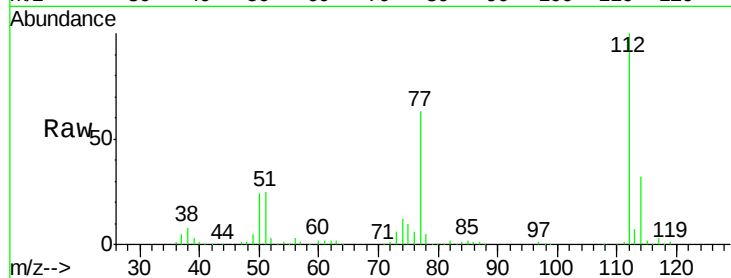
Tot Ion:112 Resp: 132683

Ion Ratio Lower Upper

112 100

114 31.9 21.6 40.2

77 62.8 48.9 73.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

