

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042420\
 Data File : VV015681.D
 Acq On : 24 Apr 2020 18:04
 Operator : SY/MD
 Sample : L2370-20
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKN8

Quant Time: Apr 25 03:42:41 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	125546	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	120408	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57728	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60802	9.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	185.40%#
7) Chloroethane-d5	1.58	69	30216	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.12	63	46927	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.91	46	105301	49.98	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.96%
24) Chloroform-d	4.38	84	72019	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.06	65	41958	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.08	84	134761	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.10	67	44019	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.34	98	122360	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.65	79	14262	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.11	63	80502	46.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	31849	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	48723	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

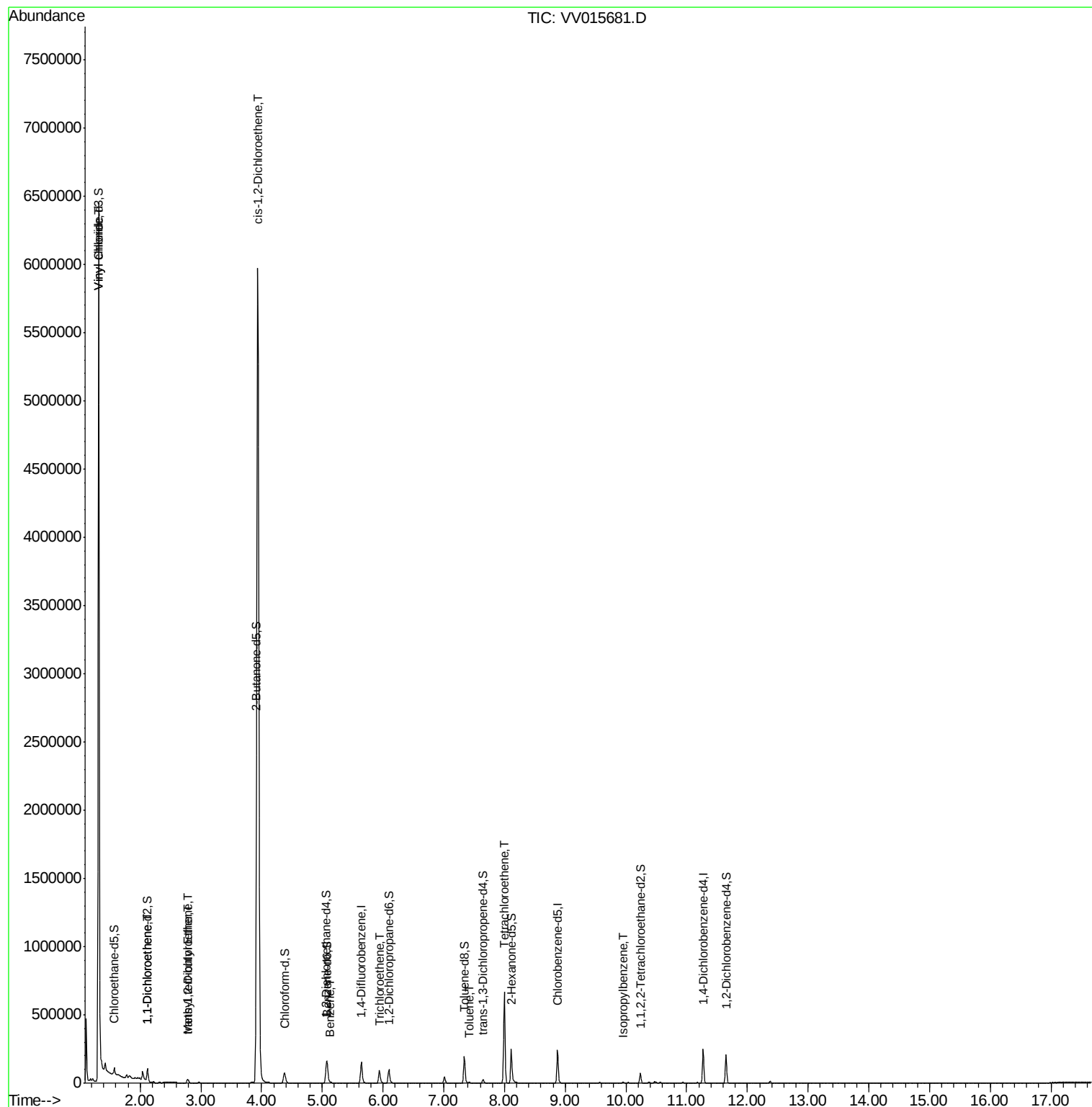
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	3897373	392.252	ug/L	95
12) 1,1-Dichloroethene	2.13	96	4676	0.640	ug/L #	1
17) Methyl tert-butyl Ether	2.79	73	6060	0.295	ug/L #	83
18) trans-1,2-Dichloroethene	2.78	96	6748	0.825	ug/L	94
22) cis-1,2-Dichloroethene	3.94	96	3122361	345.161	ug/L	98
33) Benzene	5.13	78	5206	0.151	ug/L	100
34) Trichloroethene	5.94	95	31289	3.293	ug/L	97
42) Toluene	7.42	91	4200	0.114	ug/L	94
47) Tetrachloroethene	8.00	164	133425	19.505	ug/L	97
56) Isopropylbenzene	9.96	105	3613	0.085	ug/L	99

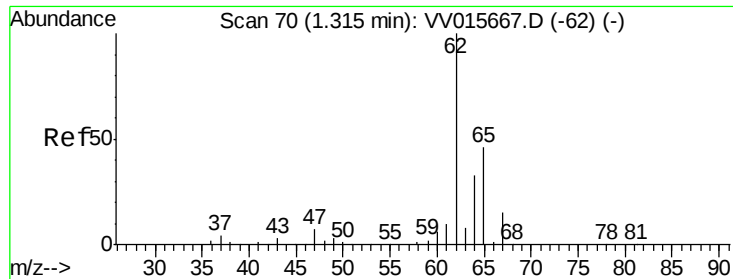
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 25 00:15:39 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 392.252 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015681.D

Acq: 24 Apr 2020 18:04

Instrument :

MSVOA_V

ClientSampleId :

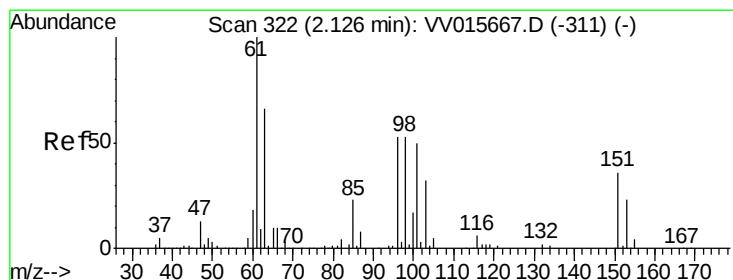
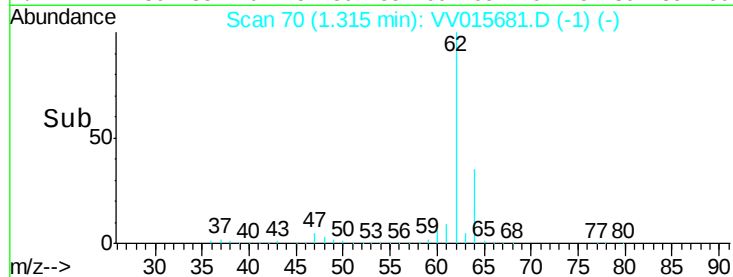
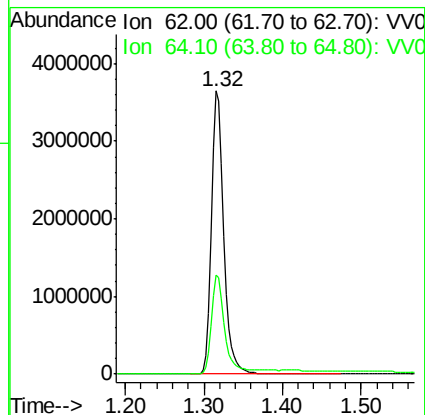
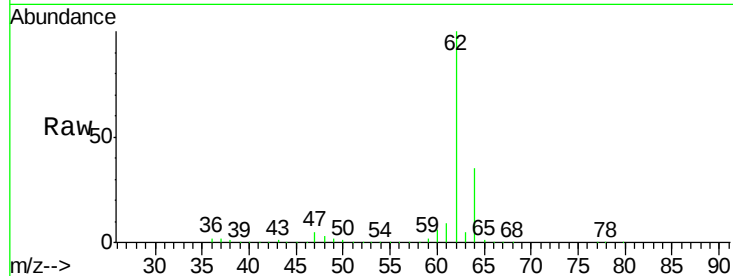
ETKN8

Tot Ion: 62 Resp: 3897373

Ion Ratio Lower Upper

62 100

64 35.1 22.7 42.1



#12

1,1-Dichloroethene

Concen: 0.640 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015681.D

Acq: 24 Apr 2020 18:04

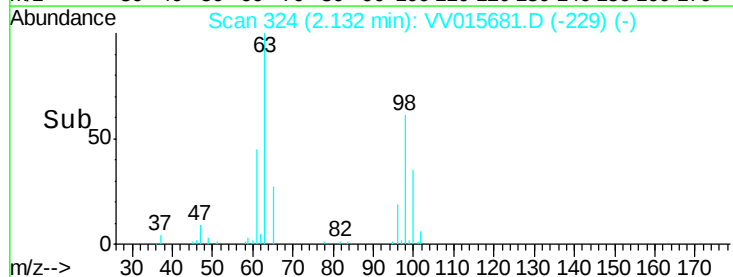
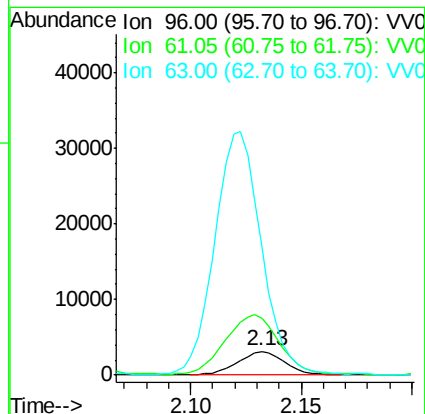
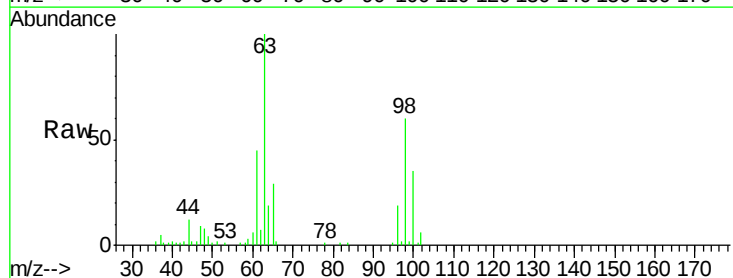
Tgt Ion: 96 Resp: 4676

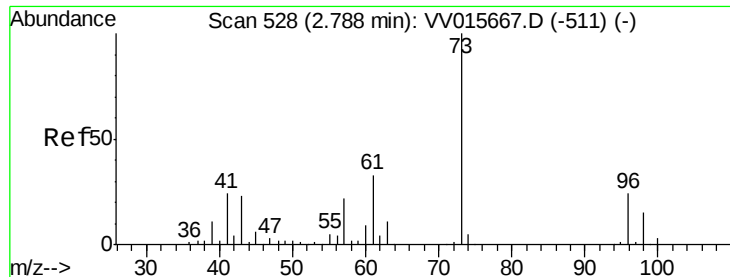
Ion Ratio Lower Upper

96 100

61 237.9 130.1 241.7

63 527.7 91.4 169.8#

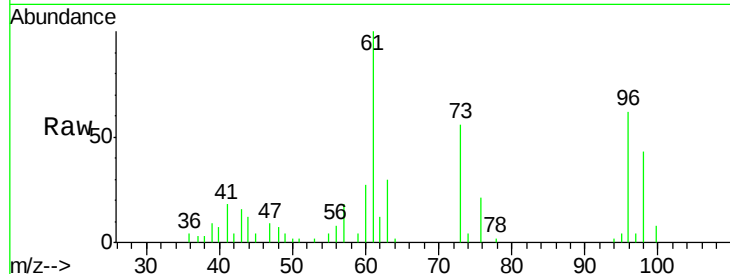




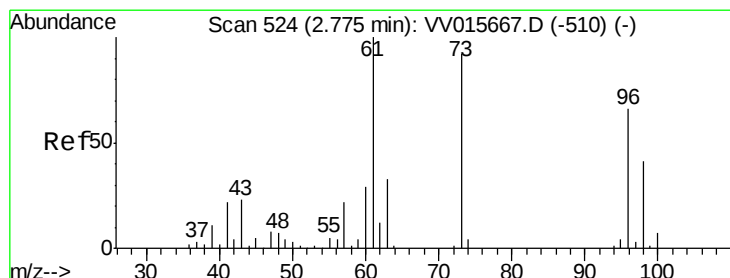
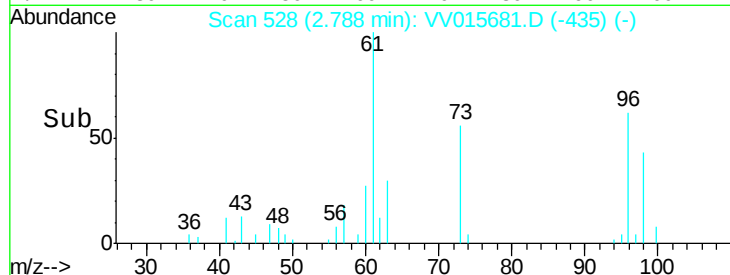
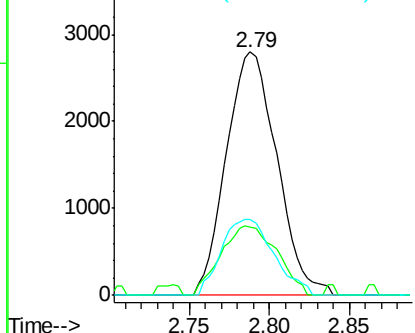
#17
Methvl tert-butvl Ether
Concen: 0.295 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV015681.D
Acq: 24 Apr 2020 18:04

Instrument :
MSVOA_V
ClientSampled :
ETKN8

Tot Ion: 73 Resp: 6060
Ion Ratio Lower Upper
73 100
43 31.6 20.1 30.1#
57 32.3 17.8 26.8#

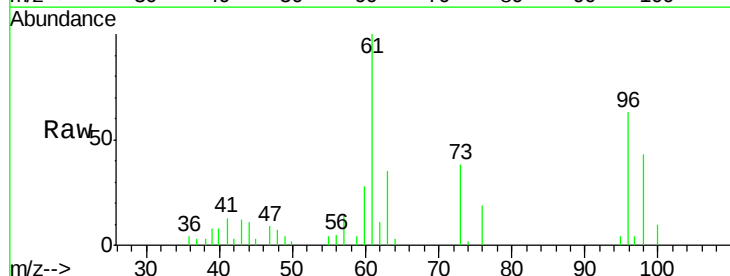


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

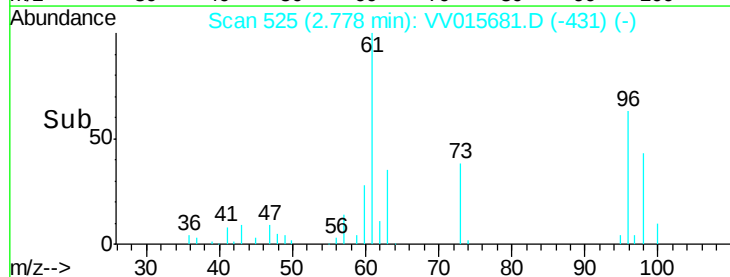
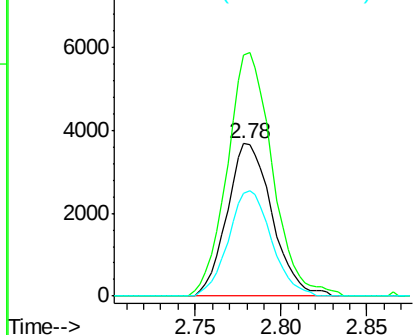


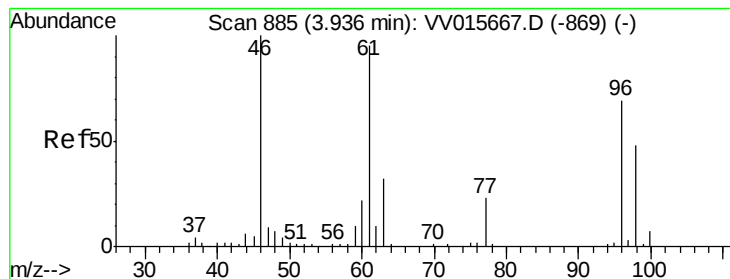
#18
trans-1,2-Dichloroethene
Concen: 0.825 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015681.D
Acq: 24 Apr 2020 18:04

Tgt Ion: 96 Resp: 6748
Ion Ratio Lower Upper
96 100
61 158.0 105.5 195.9
98 67.2 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



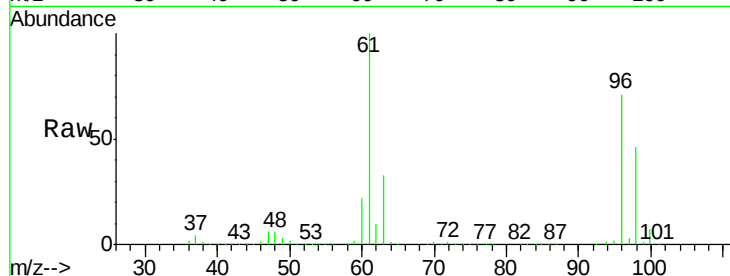


#22

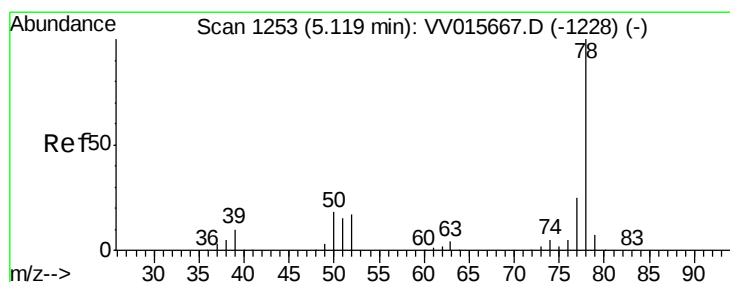
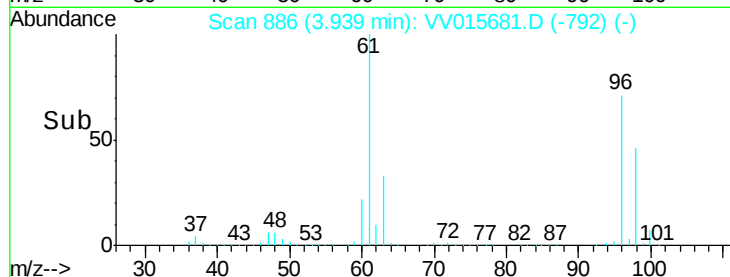
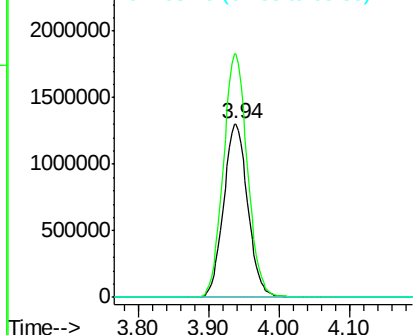
cis-1,2-Dichloroethene
 Concen: 345.161 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015681.D
 Acq: 24 Apr 2020 18:04

Instrument :
 MSVOA_V
 ClientSampled :
 ETKN8

Tot Ion: 96 Resp: 3122361
 Ion Ratio Lower Upper
 96 100
 61 140.1 96.4 179.0
 68 0.0 0.0 0.0



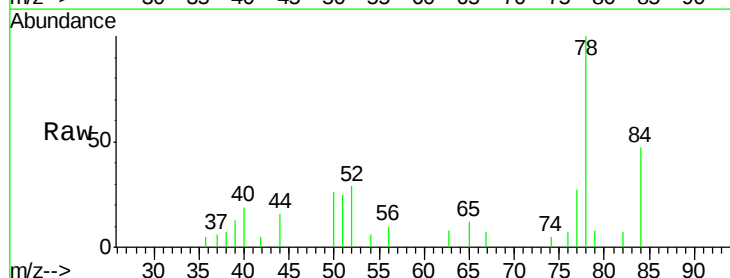
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



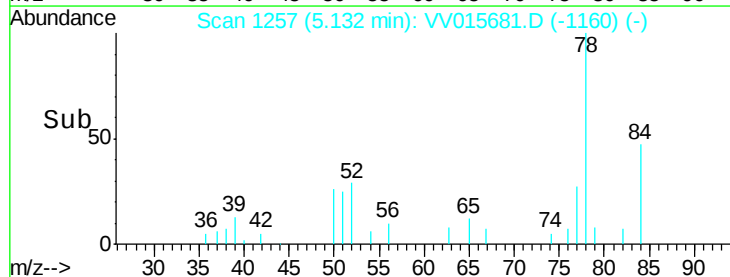
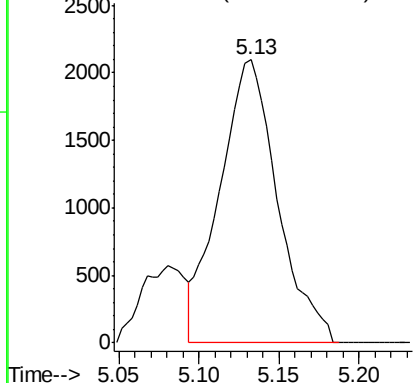
#33

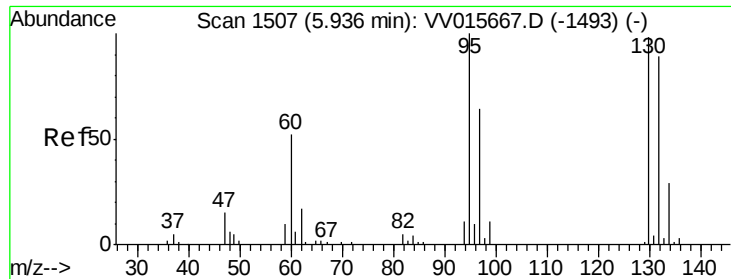
Benzene
 Concen: 0.151 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: VV015681.D
 Acq: 24 Apr 2020 18:04

Tgt Ion: 78 Resp: 5206



Abundance Ion 78.10 (77.80 to 78.80): VV0

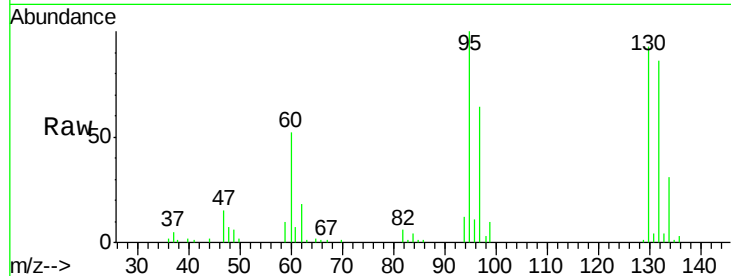




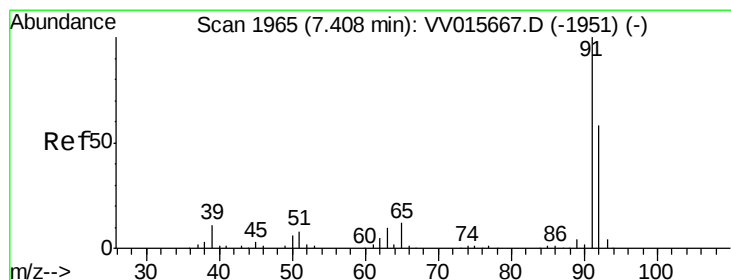
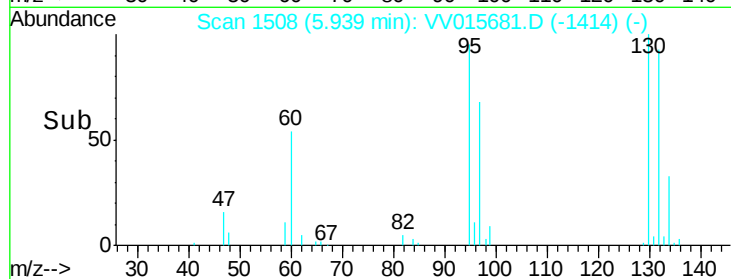
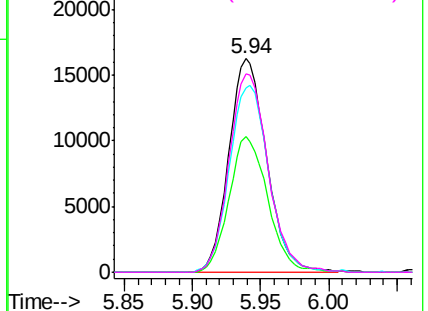
#34
 Trichloroethene
 Concen: 3.293 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015681.D
 Acq: 24 Apr 2020 18:04

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKN8

Tot Ion: 95 Resp: 31289
 Ion Ratio Lower Upper
 95 100
 97 63.6 44.7 82.9
 132 86.4 65.2 121.0
 130 92.9 65.0 120.6

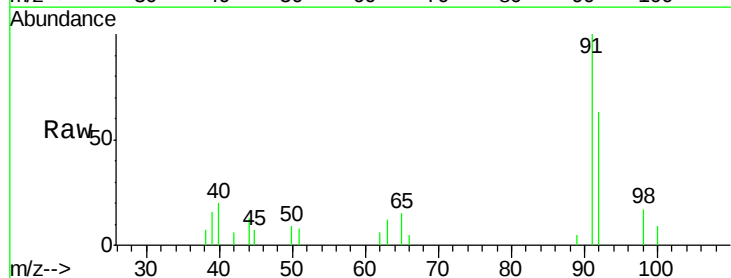


Abundance Ion 95.00 (94.70 to 95.70): VV015667.D (-1493) (-)
 Ion 96.95 (96.65 to 97.65): VV015667.D (-1493) (-)
 Ion 131.95 (131.65 to 132.65): VV015667.D (-1493) (-)
 Ion 129.95 (129.65 to 130.65): VV015667.D (-1493) (-)

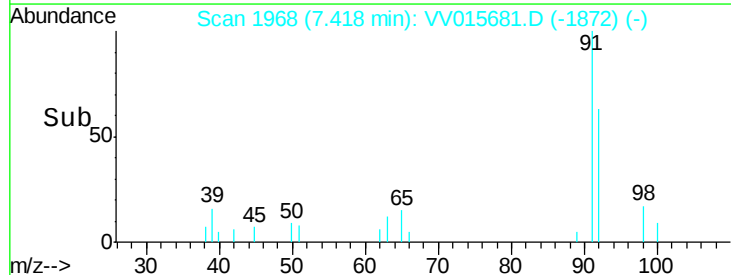
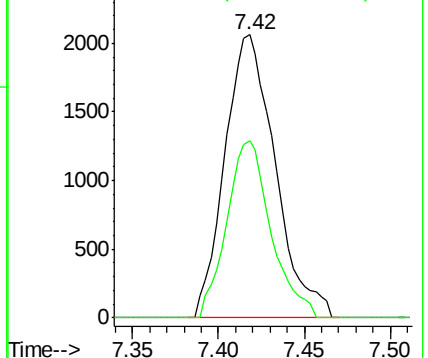


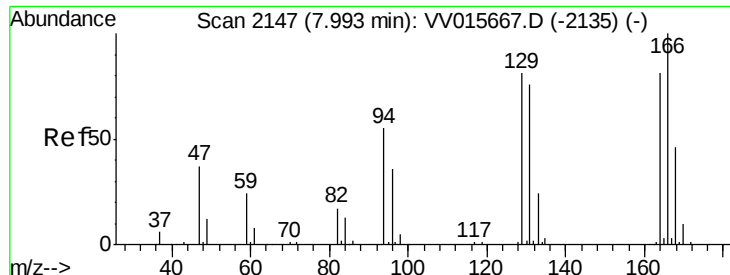
#42
 Toluene
 Concen: 0.114 ug/L
 RT: 7.42 min Scan# 1968
 Delta R.T. 0.01 min
 Lab File: VV015681.D
 Acq: 24 Apr 2020 18:04

Tgt Ion: 91 Resp: 4200
 Ion Ratio Lower Upper
 91 100
 92 62.7 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) (-)





#47

Tetrachloroethene

Concen: 19.505 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015681.D

Acq: 24 Apr 2020 18:04

Instrument :
MSVOA_V
ClientSampleId :
ETKN8

Tot Ion:164 Resp: 133425

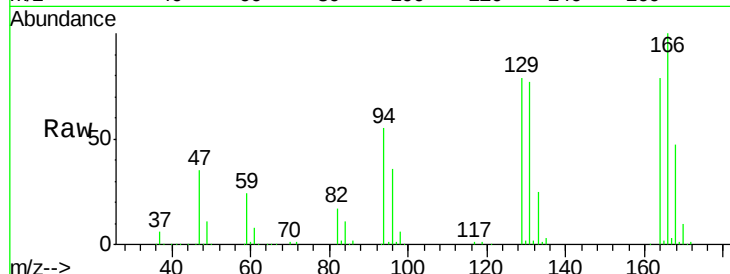
Ion Ratio Lower Upper

164 100

129 99.4 66.7 123.9

131 96.9 66.6 123.6

166 126.3 85.3 158.5

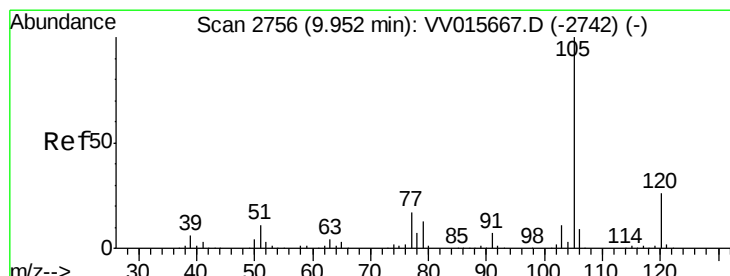
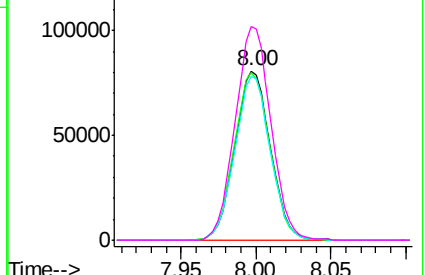
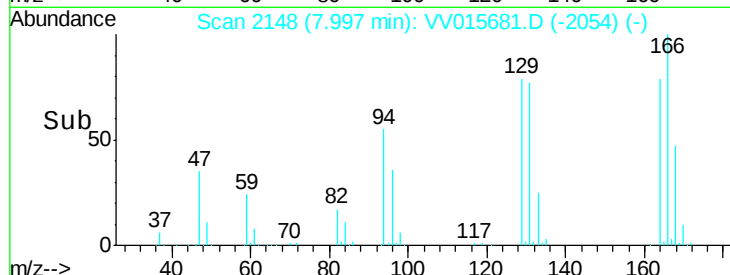


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#56

Isopropylbenzene

Concen: 0.085 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015681.D

Acq: 24 Apr 2020 18:04

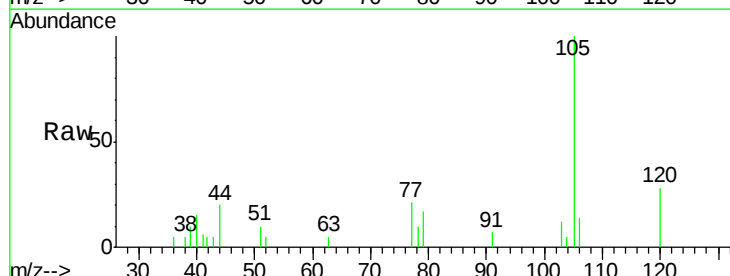
Tgt Ion:105 Resp: 3613

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

77 18.0 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

