

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018715.D
 Acq On : 07 Oct 2020 01:55
 Operator : SY/MD
 Sample : L4287-18
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ6

Quant Time: Oct 07 08:41:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:22:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	281126	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	286782	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	130901	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	94884	57.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.10%
7) Chloroethane-d5	1.58	69	62756	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.06%
11) 1,1-Dichloroethene-d2	2.12	63	161489	48.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.14%
21) 2-Butanone-d5	3.92	46	123035	100.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.04%
24) Chloroform-d	4.38	84	156984	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.06%
26) 1,2-Dichloroethane-d4	5.06	65	109967	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
32) Benzene-d6	5.07	84	301385	41.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.98%
36) 1,2-Dichloropropane-d6	6.09	67	101631	46.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.60%
41) Toluene-d8	7.34	98	268238	39.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.50%#
43) trans-1,3-Dichloropropene-	7.64	79	46298	39.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.10%
47) 2-Hexanone-d5	8.11	63	71442	85.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	117538	40.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	113167	44.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.90%

Target Compounds

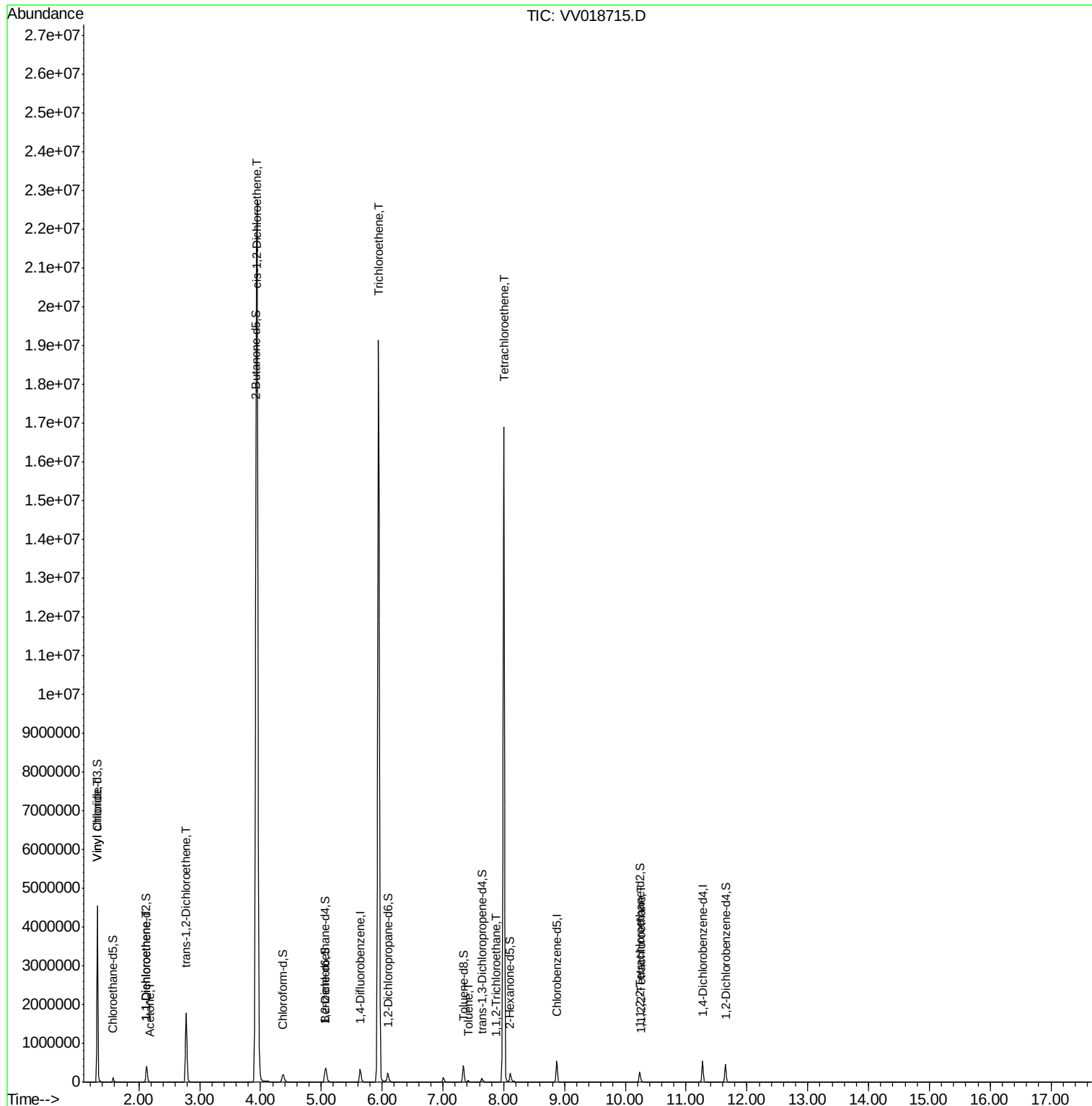
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2566400	1193.435	ug/L	99
12) 1,1-Dichloroethene	2.13	96	72725	41.440	ug/L	97
13) Acetone	2.18	43	4993	4.699	ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	652733	325.051	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	12201561	5717.358	ug/L	87
34) Trichloroethene	5.94	95	6587362	2693.124	ug/L	91
42) Toluene	7.41	91	26106	2.864	ug/L	100
45) 1,1,2-Trichloroethane	7.87	97	1649	0.771	ug/L	80
46) Tetrachloroethene	8.00	164	3515317	1771.490	ug/L	93
58) 1,1,2,2-Tetrachloroethane	10.26	83	12699	4.210	ug/L	98

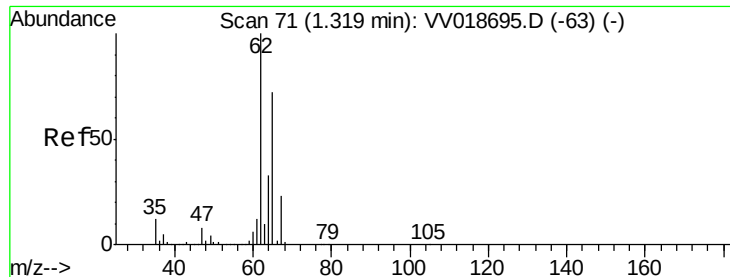
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 07 07:22:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1193.435 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018715.D

Acq: 07 Oct 2020 01:55

Instrument :

MSVOA_V

ClientSampleId :

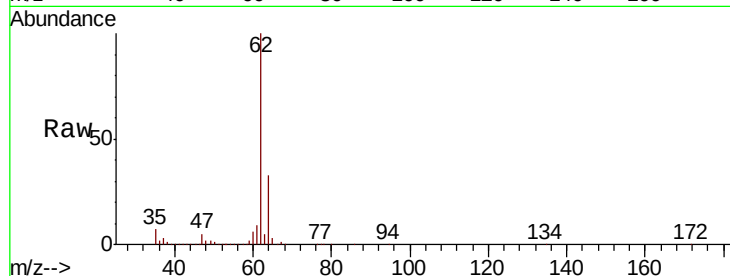
C0AJ6

Tot Ion: 62 Resp: 2566400

Ion Ratio Lower Upper

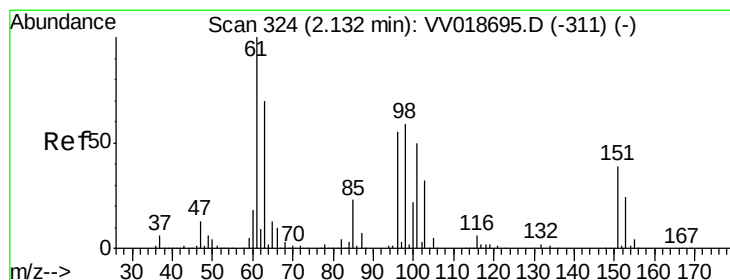
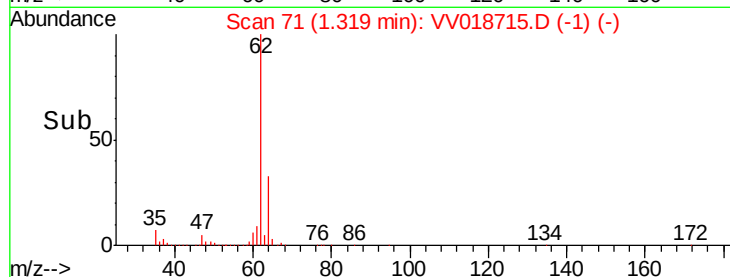
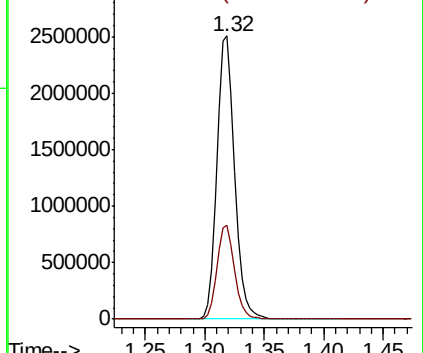
62 100

64 33.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 41.440 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018715.D

Acq: 07 Oct 2020 01:55

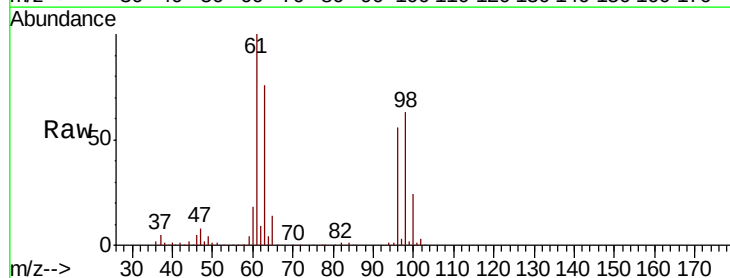
Tgt Ion: 96 Resp: 72725

Ion Ratio Lower Upper

96 100

61 178.9 122.8 228.1

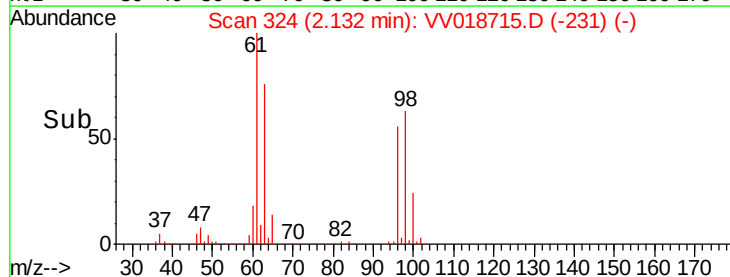
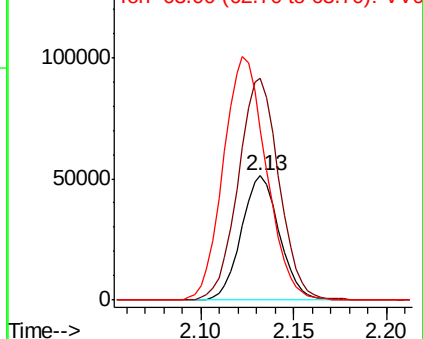
63 136.8 91.9 170.7

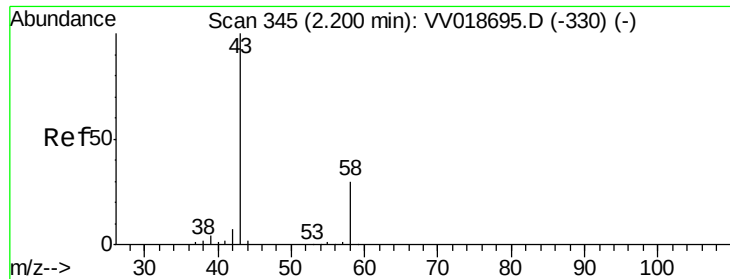


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.699 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV018715.D

Acq: 07 Oct 2020 01:55

Instrument :

MSVOA_V

ClientSampleId :

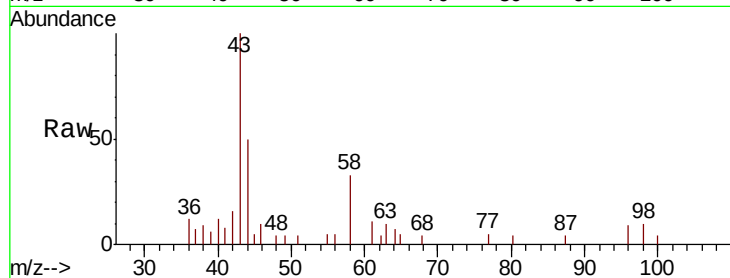
C0AJ6

Tot Ion: 43 Resp: 4993

Ion Ratio Lower Upper

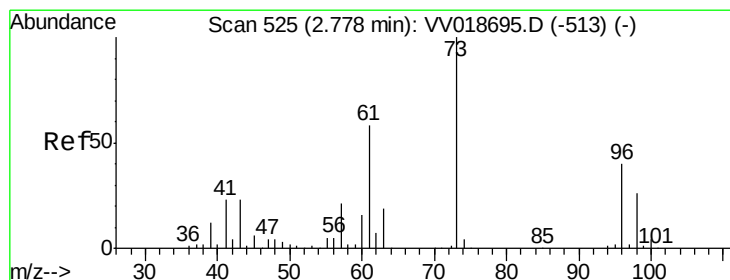
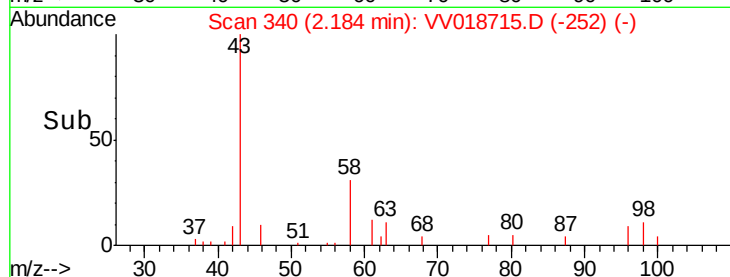
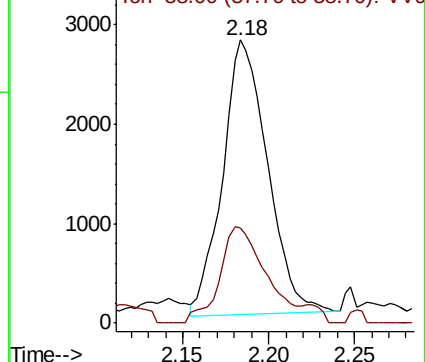
43 100

58 35.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 325.051 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018715.D

Acq: 07 Oct 2020 01:55

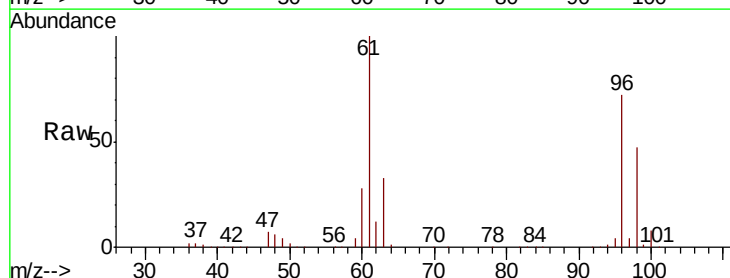
Tgt Ion: 96 Resp: 652733

Ion Ratio Lower Upper

96 100

61 139.1 95.0 176.4

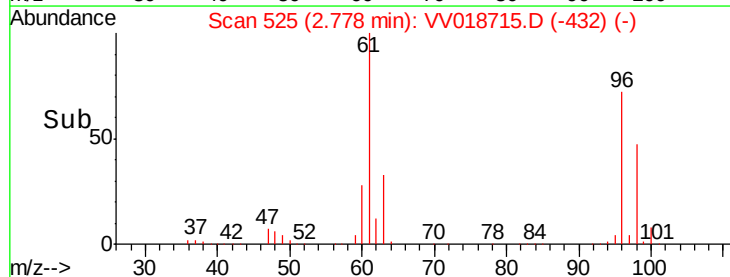
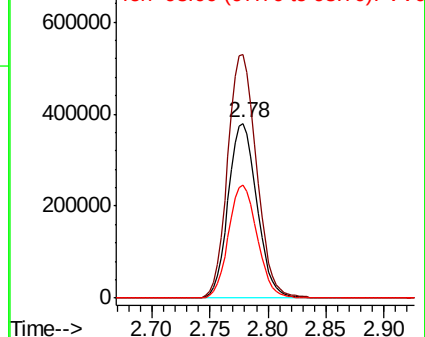
98 64.7 44.6 82.8

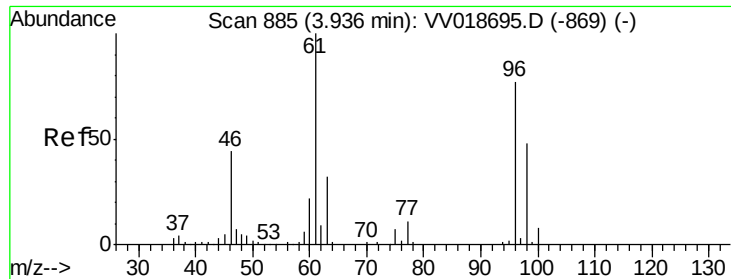


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

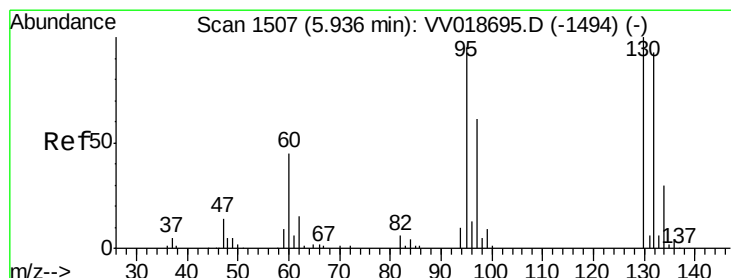
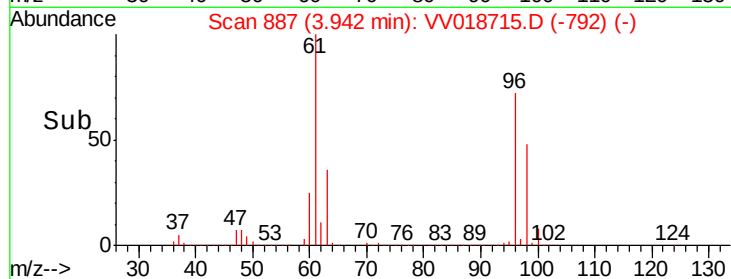
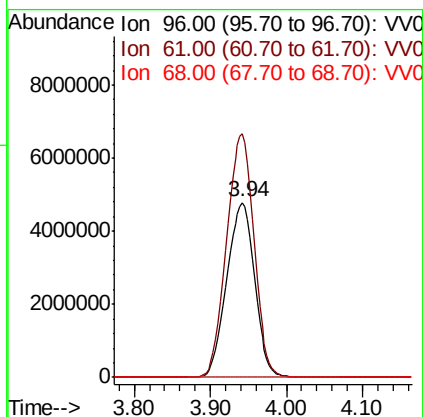
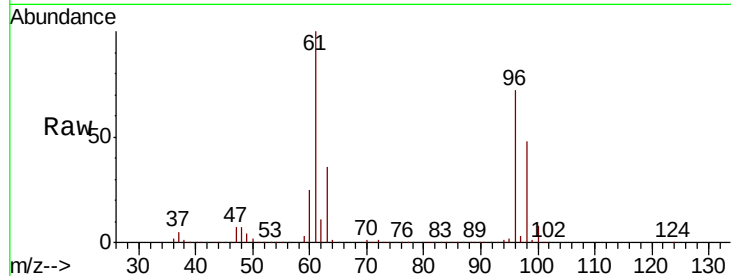




#20
 cis-1,2-Dichloroethene
 Concen: 5717.358 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018715.D
 Acq: 07 Oct 2020 01:55

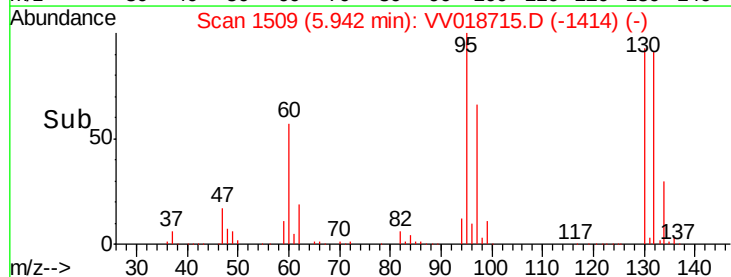
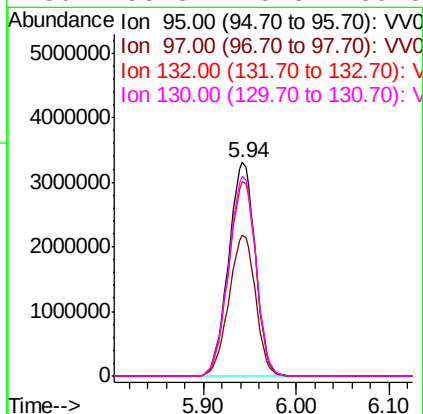
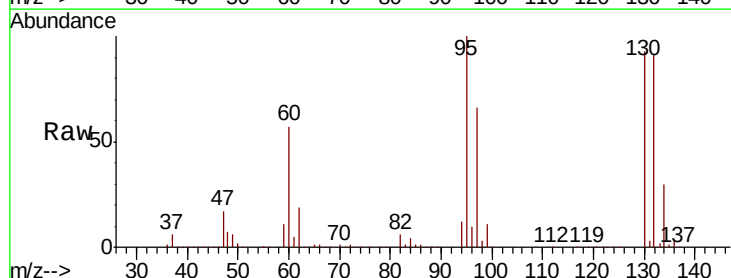
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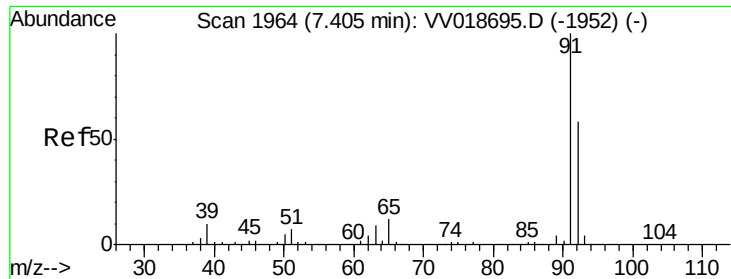
Tot Ion: 96 Resp:12201561
 Ion Ratio Lower Upper
 96 100
 61 139.1 86.8 161.2
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 2693.124 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018715.D
 Acq: 07 Oct 2020 01:55

Tgt Ion: 95 Resp: 6587362
 Ion Ratio Lower Upper
 95 100
 97 66.1 45.9 85.3
 132 91.0 70.8 131.4
 130 93.3 75.3 139.8





#42

Toluene

Concen: 2.864 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018715.D

Acq: 07 Oct 2020 01:55

Instrument :

MSVOA_V

ClientSampleId :

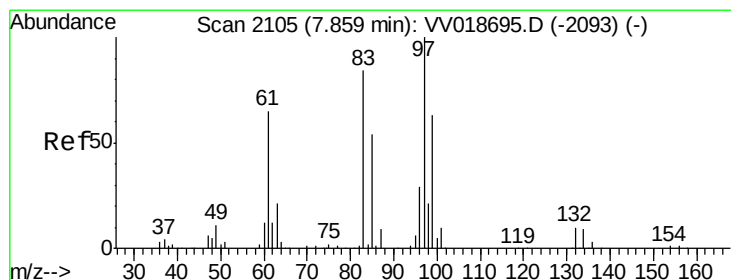
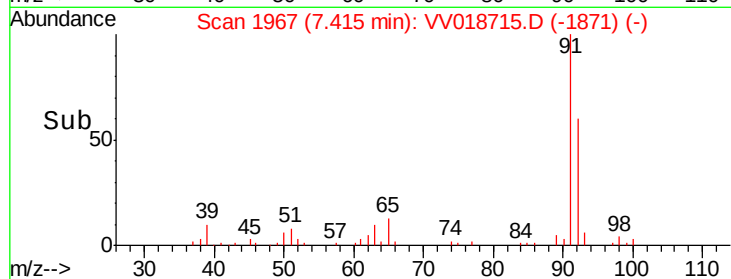
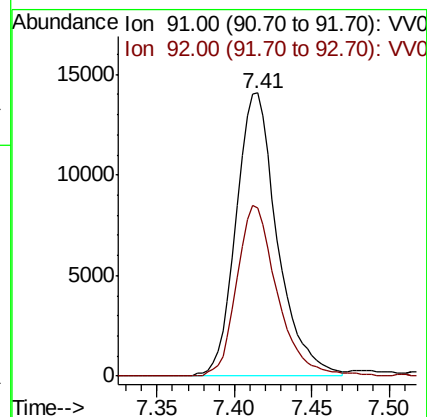
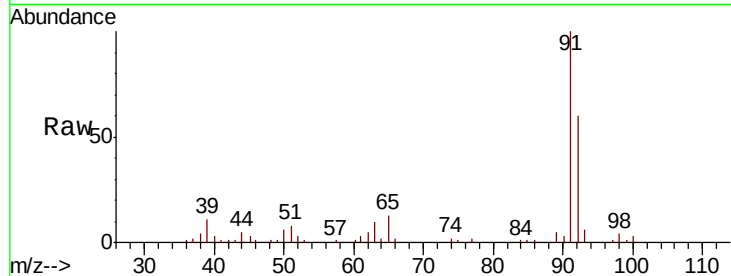
C0AJ6

Tot Ion: 91 Resp: 26106

Ion Ratio Lower Upper

91 100

92 59.6 41.6 77.3



#45

1,1,2-Trichloroethane

Concen: 0.771 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VV018715.D

Acq: 07 Oct 2020 01:55

Tgt Ion: 97 Resp: 1649

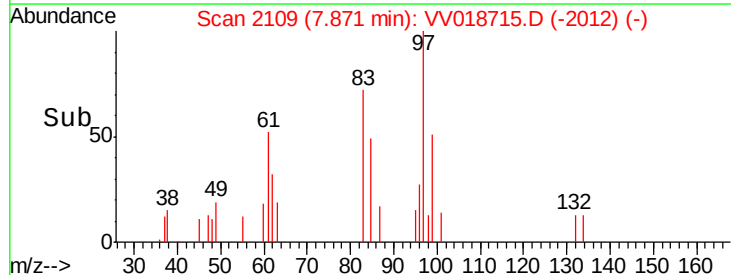
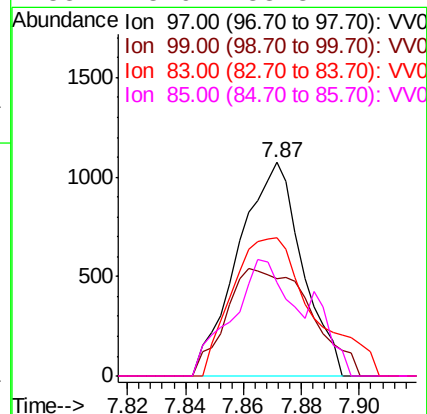
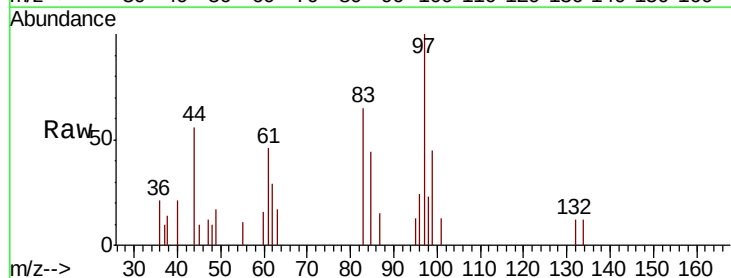
Ion Ratio Lower Upper

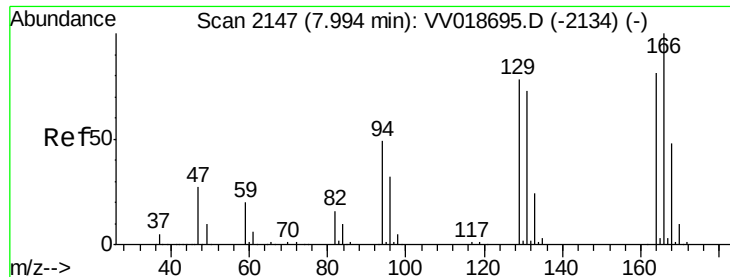
97 100

99 45.4 43.3 80.3

83 64.9 60.5 112.5

85 43.9 38.3 71.1





#46

Tetrachloroethene

Concen: 1771.490 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV018715.D

Acq: 07 Oct 2020 01:55

Instrument :

MSVOA_V

ClientSampleId :

C0AJ6

Tot Ion:164 Resp: 3515317

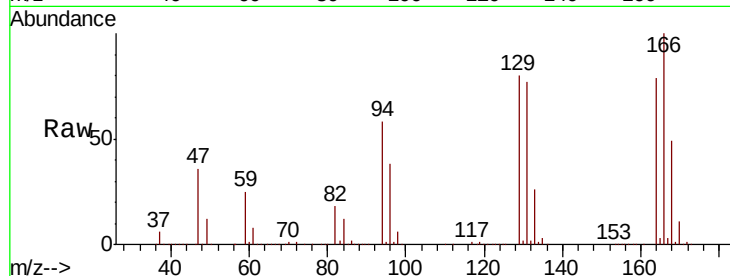
Ion Ratio Lower Upper

164 100

129 101.4 62.8 116.6

131 98.6 60.8 112.8

166 127.3 88.9 165.1

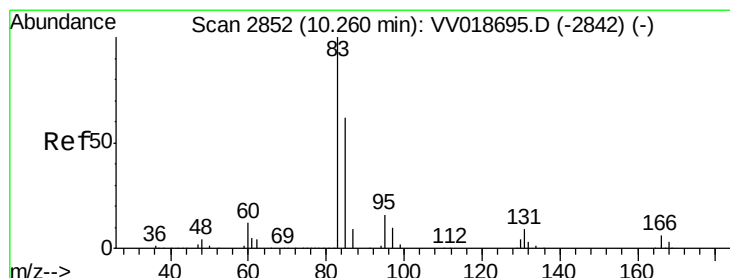
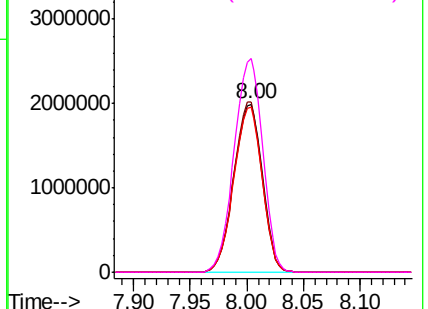
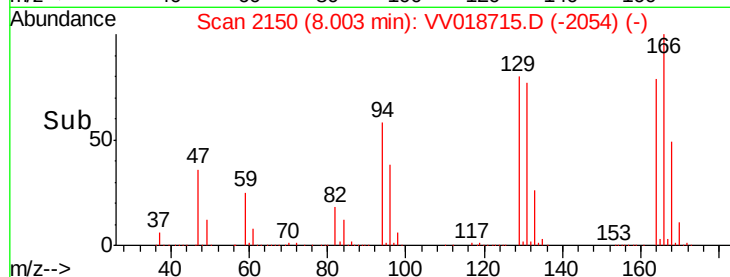


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.210 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018715.D

Acq: 07 Oct 2020 01:55

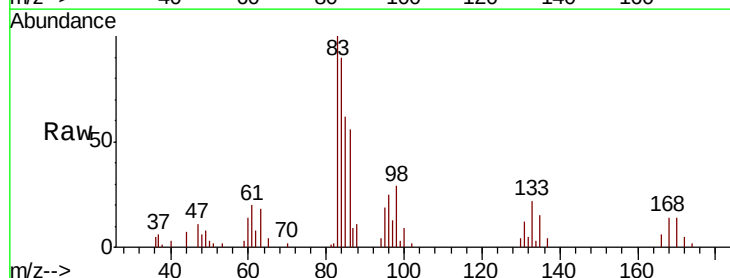
Tgt Ion: 83 Resp: 12699

Ion Ratio Lower Upper

83 100

85 61.9 44.5 82.7

131 11.8 8.6 12.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

