

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 :

Quant Time: Oct 07 07:25:57 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

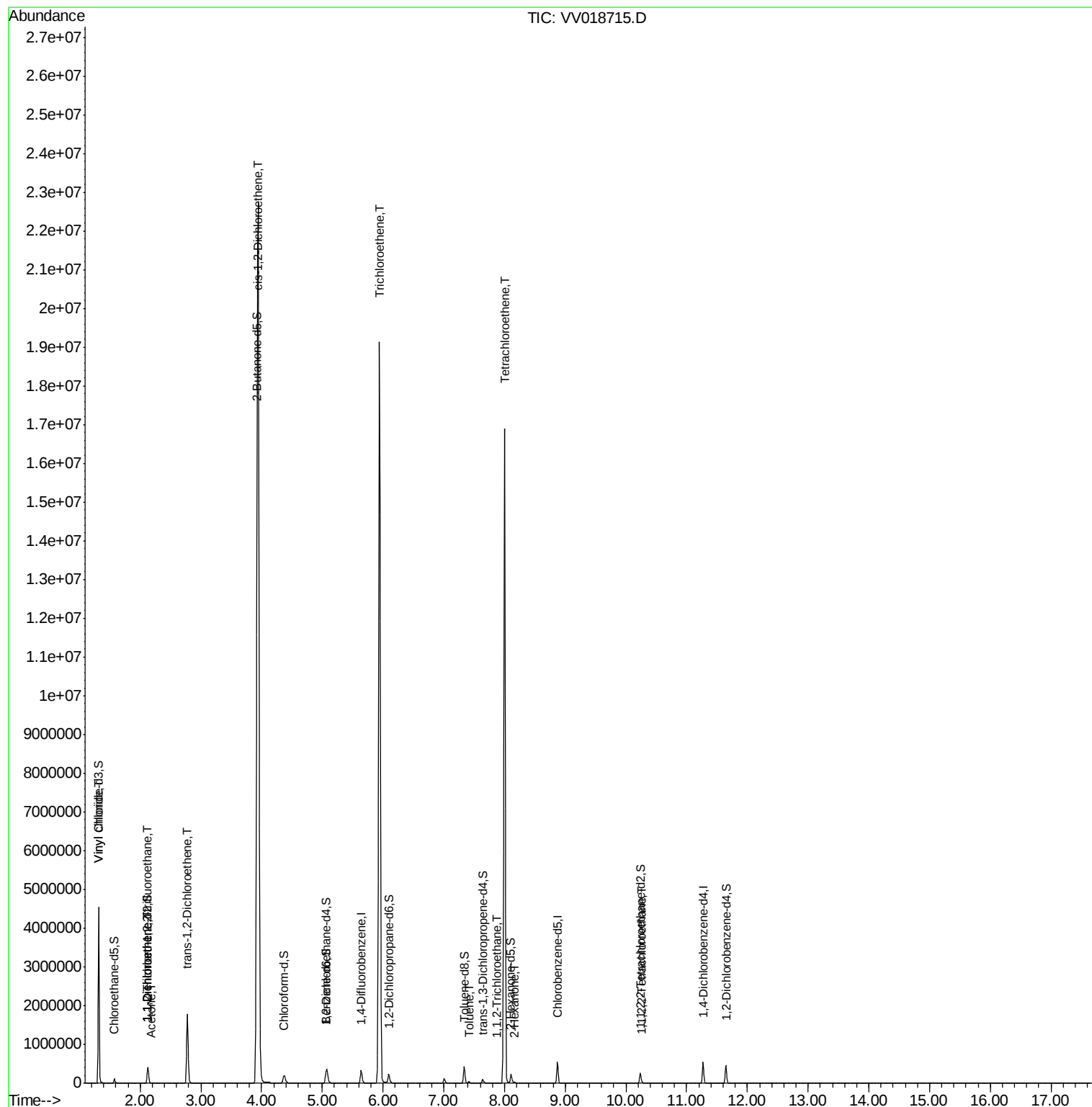
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2566400	1193.435	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1385	0.757	ug/L #	21
12) 1,1-Dichloroethene	2.13	96	72725	41.440	ug/L	97
13) Acetone	2.18	43	4993	4.699	ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	652733	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
48) 2-Hexanone	8.17	43	5282	2.427	ug/L #	85
58) 1,1,2,2-Tetrachloroethane	10.26	83	12699	4.210	ug/L	98

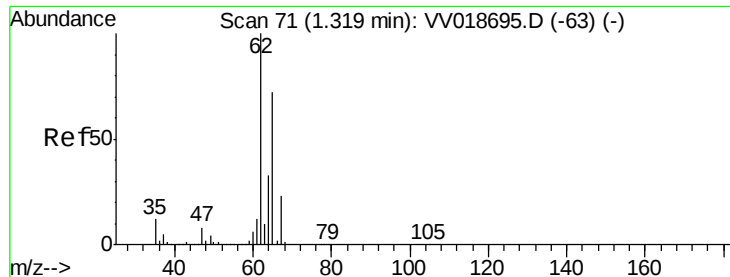
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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

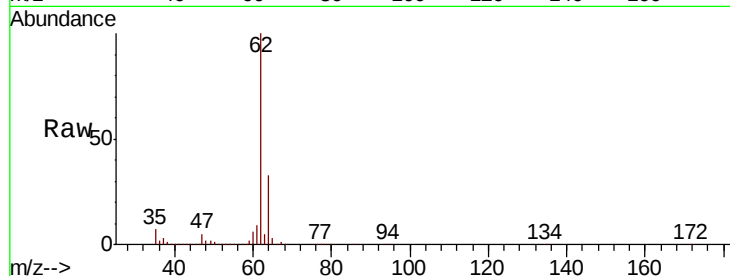
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 2566400

Ion Ratio Lower Upper

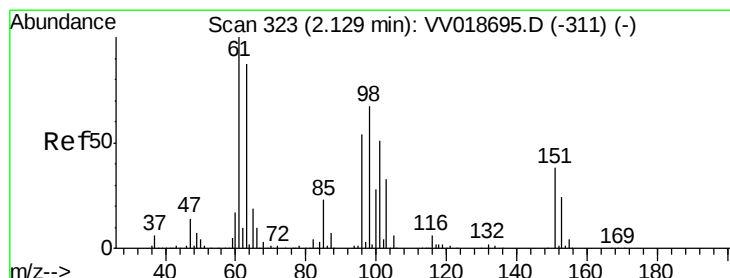
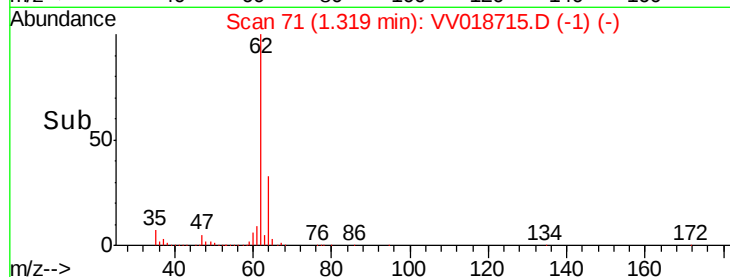
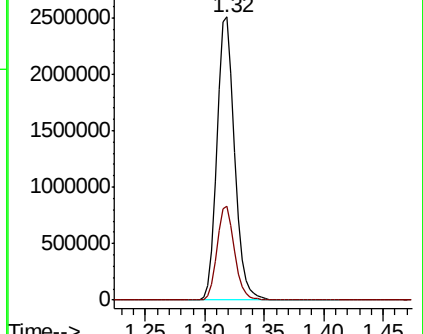
62 100

64 33.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018715.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV018715.D (-63) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.757 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018715.D

Acq: 07 Oct 2020 01:55

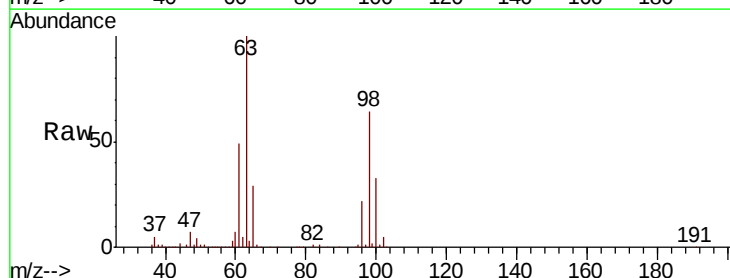
Tgt Ion:101 Resp: 1385

Ion Ratio Lower Upper

101 100

85 7.1 34.6 52.0#

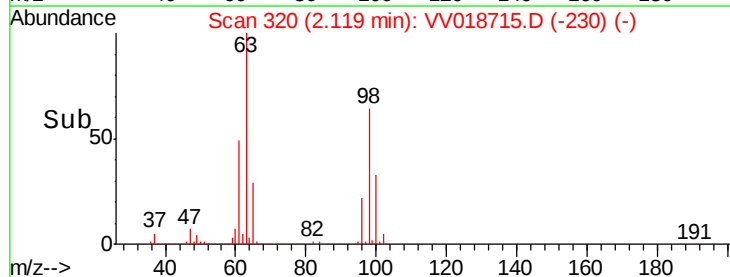
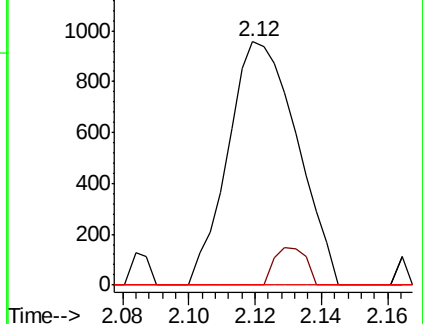
151 0.0 64.3 96.5#

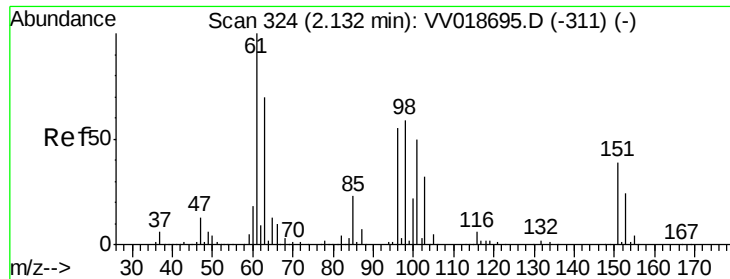


Abundance Ion 101.00 (100.70 to 101.70): VV018715.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018715.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018715.D (-230) (-)

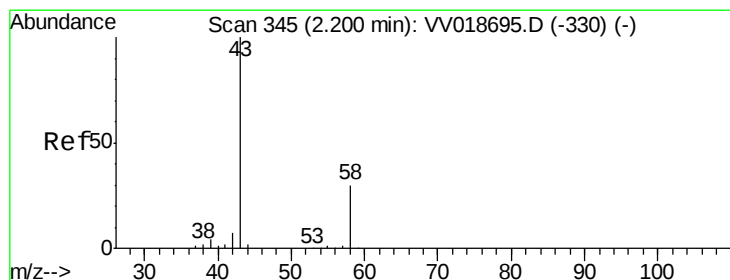
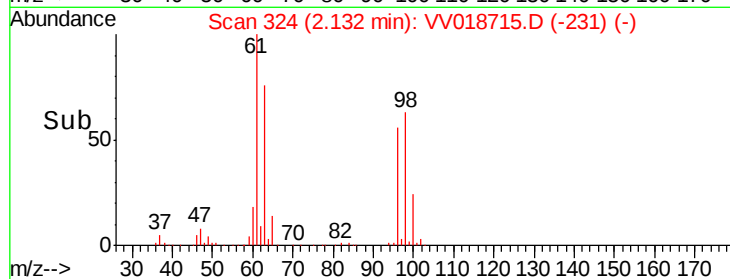
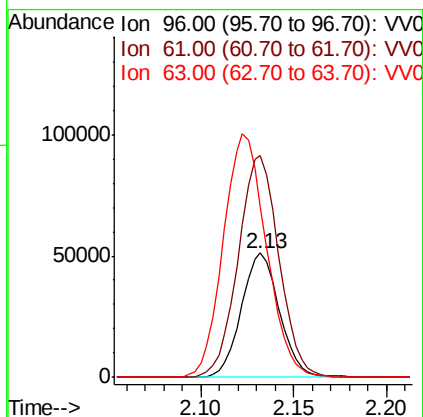
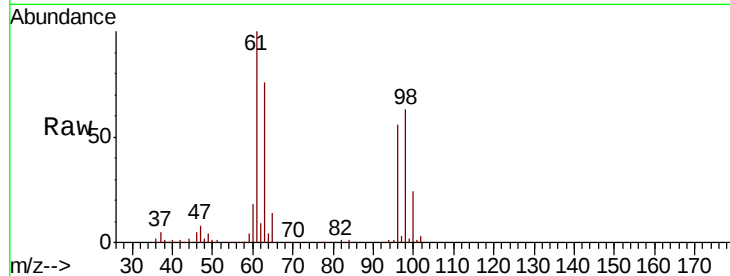




#12
 1,1-Dichloroethene
 Concen: 41.440 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: VV018715.D
 Acq: 07 Oct 2020 01:55

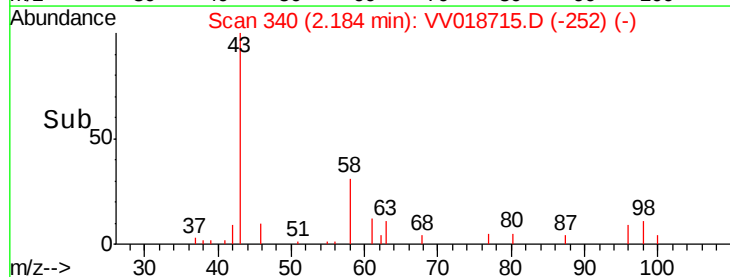
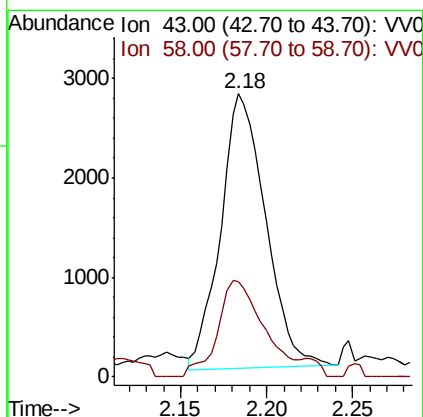
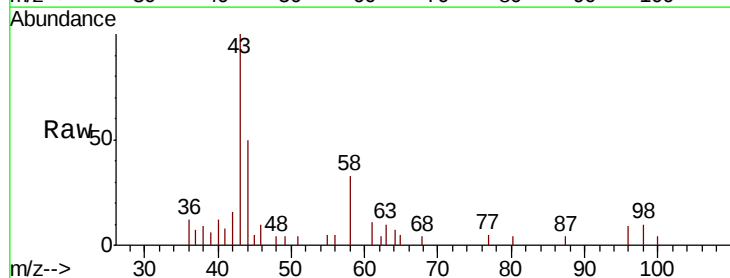
Instrument :
 MSVOA_V
 ClientSampleId :

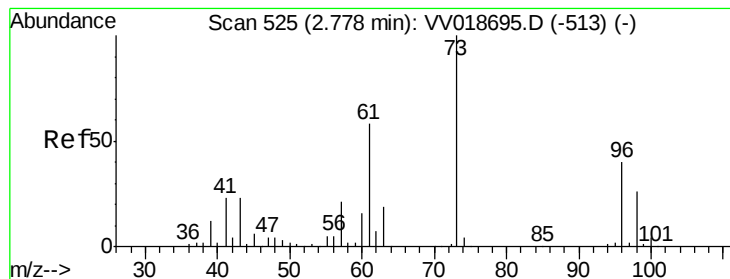
Tot Ion: 96 Resp: 72725
 Ion Ratio Lower Upper
 96 100
 61 178.9 122.8 228.1
 63 136.8 91.9 170.7



#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

Tgt Ion: 43 Resp: 4993
 Ion Ratio Lower Upper
 43 100
 58 35.7 0.0 64.0





#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

Instrument :
MSVOA_V
ClientSampleId :

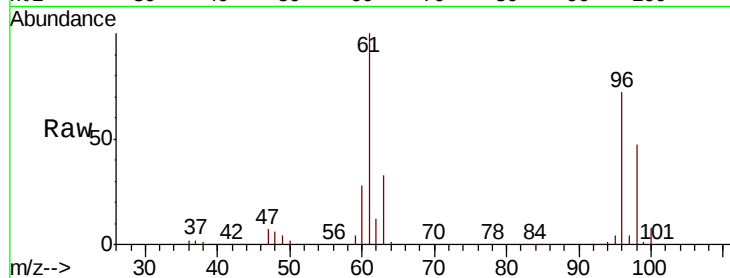
Tot Ion: 96 Resp: 652733

Ion Ratio Lower Upper

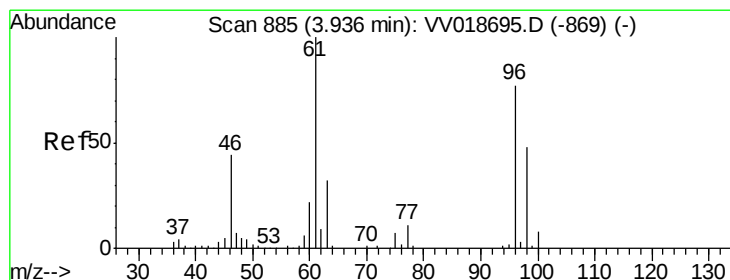
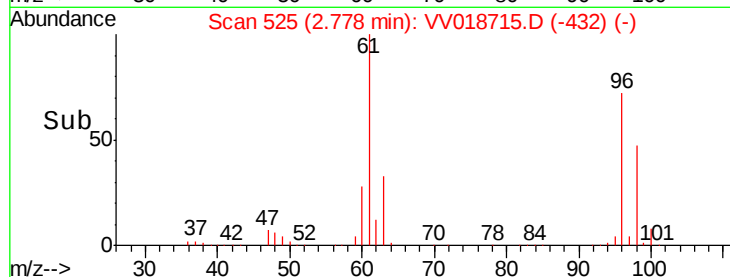
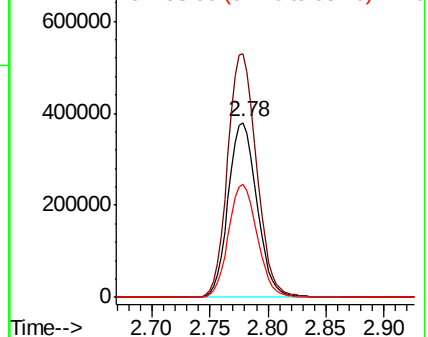
96 100

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

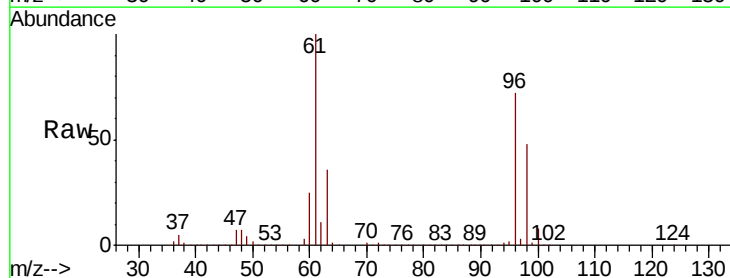
Tgt Ion: 96 Resp:12201561

Ion Ratio Lower Upper

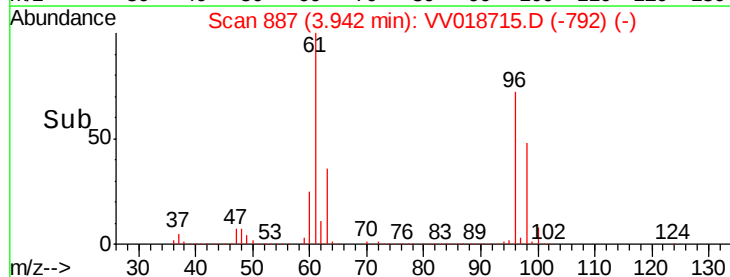
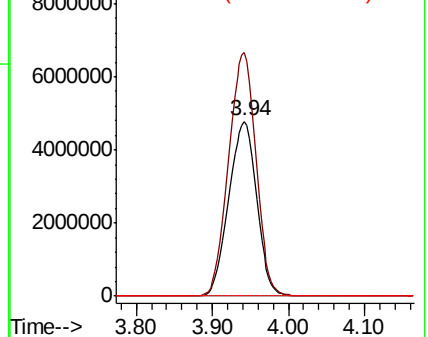
96 100

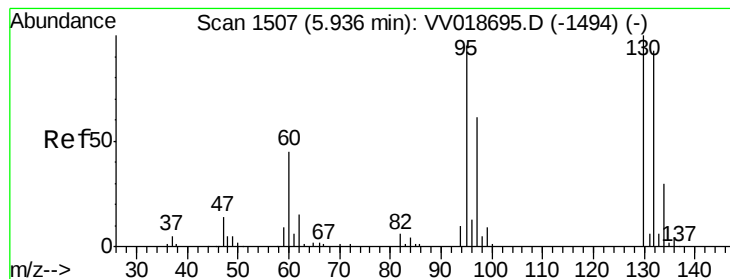
61 139.1 86.8 161.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#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

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 6587362

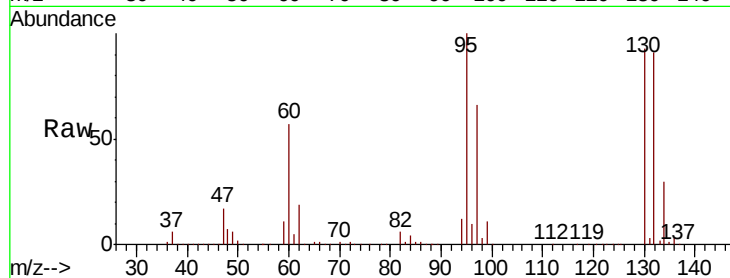
Ion Ratio Lower Upper

95 100

97 66.1 45.9 85.3

132 91.0 70.8 131.4

130 93.3 75.3 139.8

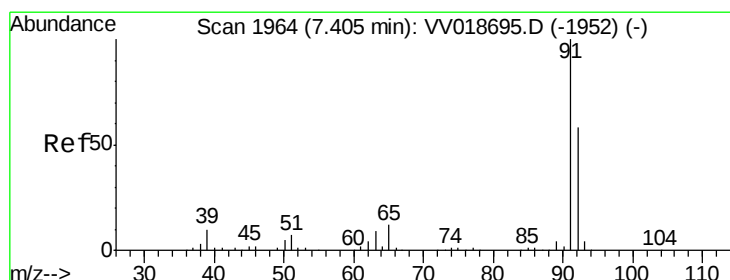
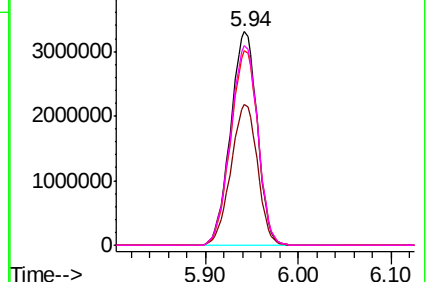
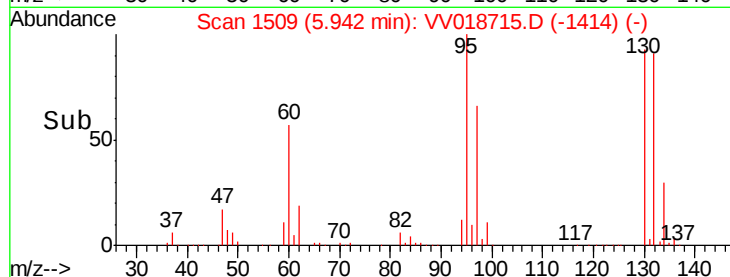


Abundance Ion 95.00 (94.70 to 95.70): VV018715.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV018715.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV018715.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV018715.D (-1494) (-)



#42

Toluene

Concen: 2.864 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV018715.D

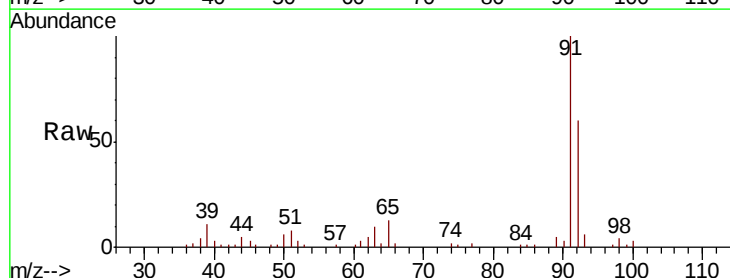
Acq: 07 Oct 2020 01:55

Tgt Ion: 91 Resp: 26106

Ion Ratio Lower Upper

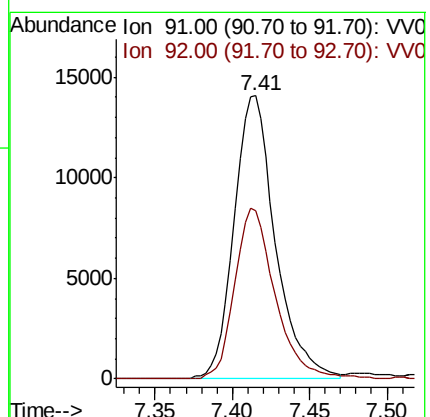
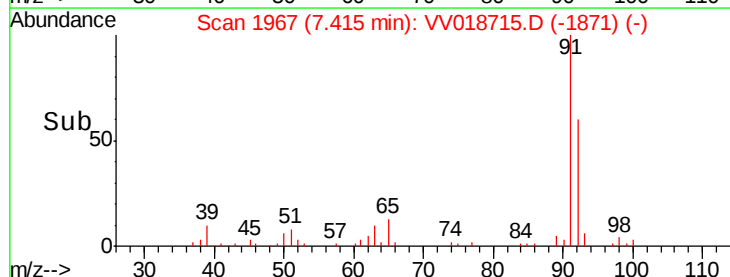
91 100

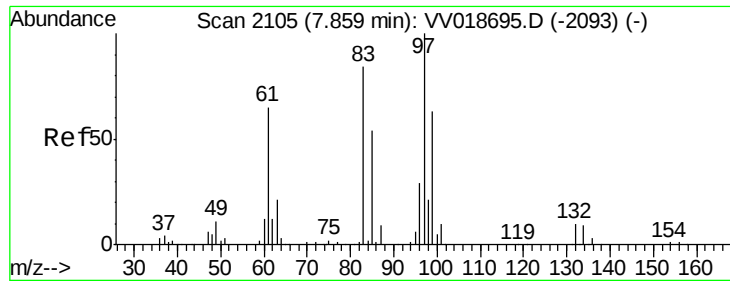
92 59.6 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV018715.D (-1871) (-)

Ion 92.00 (91.70 to 92.70): VV018715.D (-1871) (-)

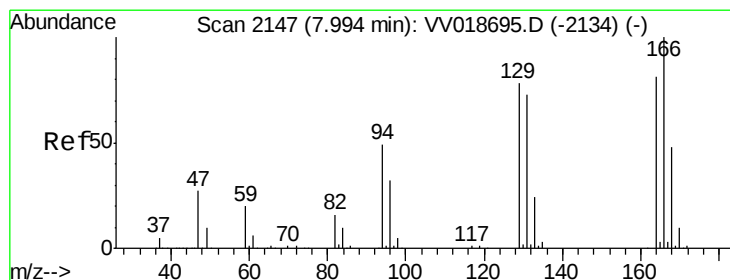
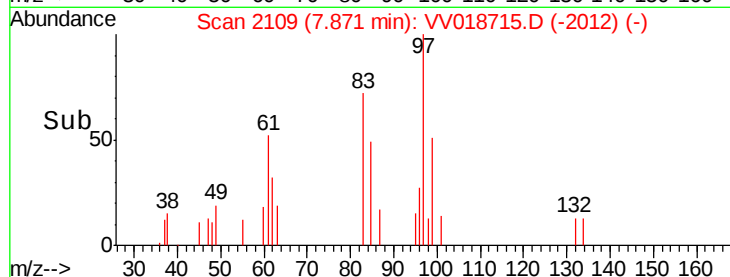
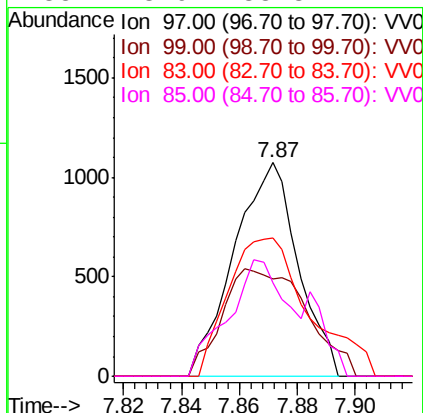
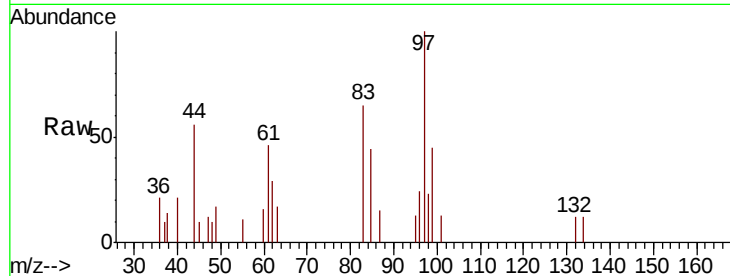




#45
 1,1,2-Trichloroethane
 Concen: 0.771 ug/L
 RT: 7.87 min Scan# 2109
 Delta R.T. 0.01 min
 Lab File: VV018715.D
 Acq: 07 Oct 2020 01:55

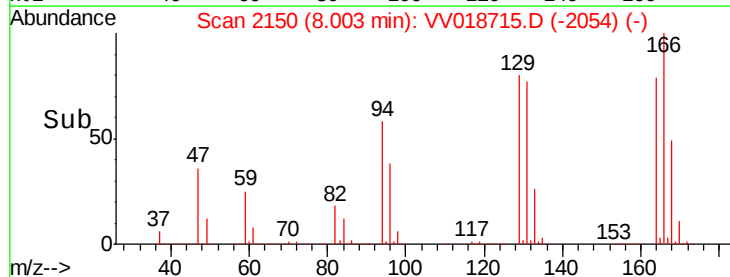
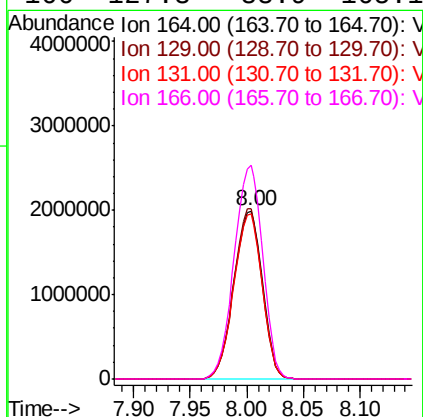
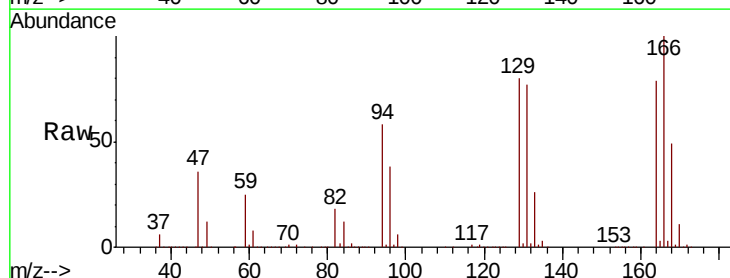
Instrument :
 MSVOA_V
 ClientSampleId :

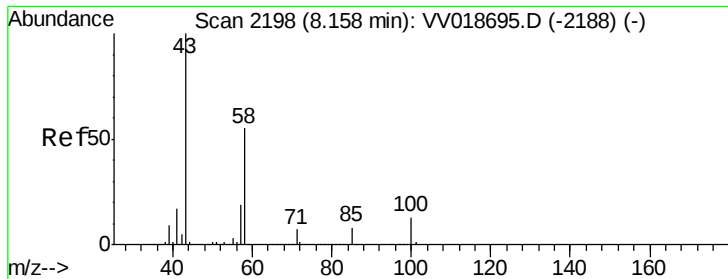
Tot Ion:	97	Resp:	1649
Ion	Ratio	Lower	Upper
97	100		
99	45.4	43.3	80.3
83	64.9	60.5	112.5
85	43.9	38.3	71.1



#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

Tgt 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

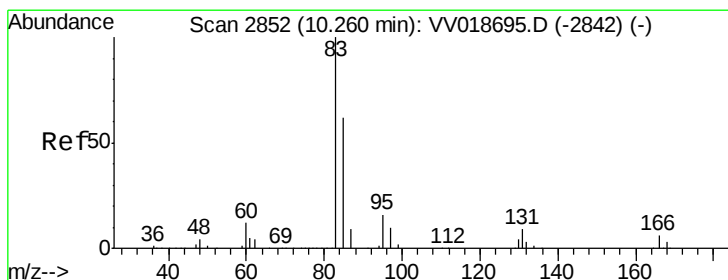
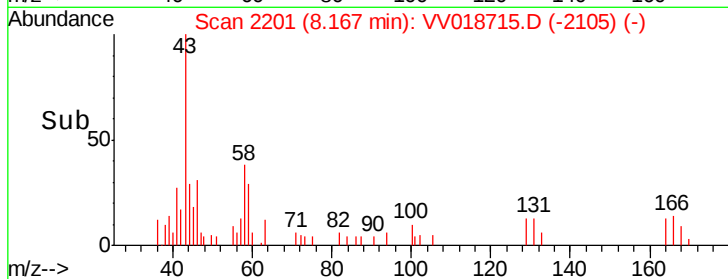
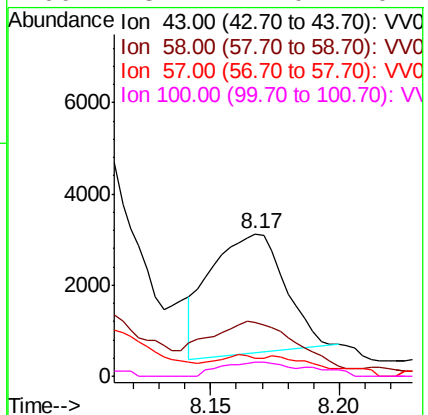
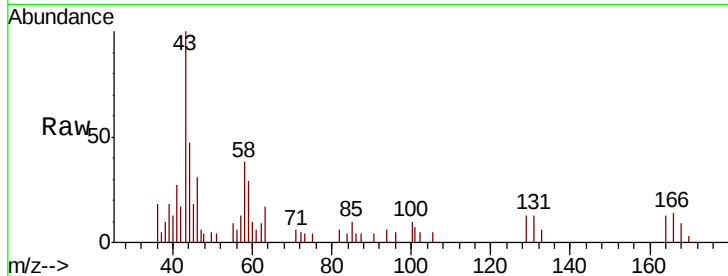




#48
 2-Hexanone
 Concen: 2.427 ug/L
 RT: 8.17 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VV018715.D
 Acq: 07 Oct 2020 01:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 43 Resp: 5282
 Ion Ratio Lower Upper
 43 100
 58 60.6 45.1 67.7
 57 3.3 15.7 23.5#
 100 3.4 11.0 16.4#



#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

