

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018717.D
 Acq On : 07 Oct 2020 02:43
 Operator : SY/MD
 Sample : L4287-20
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 07:26:14 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	268339	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	264226	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	118262	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	74355	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.50%
7) Chloroethane-d5	1.58	69	62821	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.56%
11) 1,1-Dichloroethene-d2	2.12	63	122123	38.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.18%
21) 2-Butanone-d5	3.90	46	104958	89.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.41%
24) Chloroform-d	4.37	84	150883	44.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.68%
26) 1,2-Dichloroethane-d4	5.05	65	110275	51.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.08%
32) Benzene-d6	5.07	84	295433	44.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.28%
36) 1,2-Dichloropropane-d6	6.09	67	95644	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.60%
41) Toluene-d8	7.34	98	296914	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%
43) trans-1,3-Dichloropropene-	7.64	79	44822	41.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.06%
47) 2-Hexanone-d5	8.11	63	54733	71.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.26%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	112626	42.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	107845	47.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.84%

Target Compounds

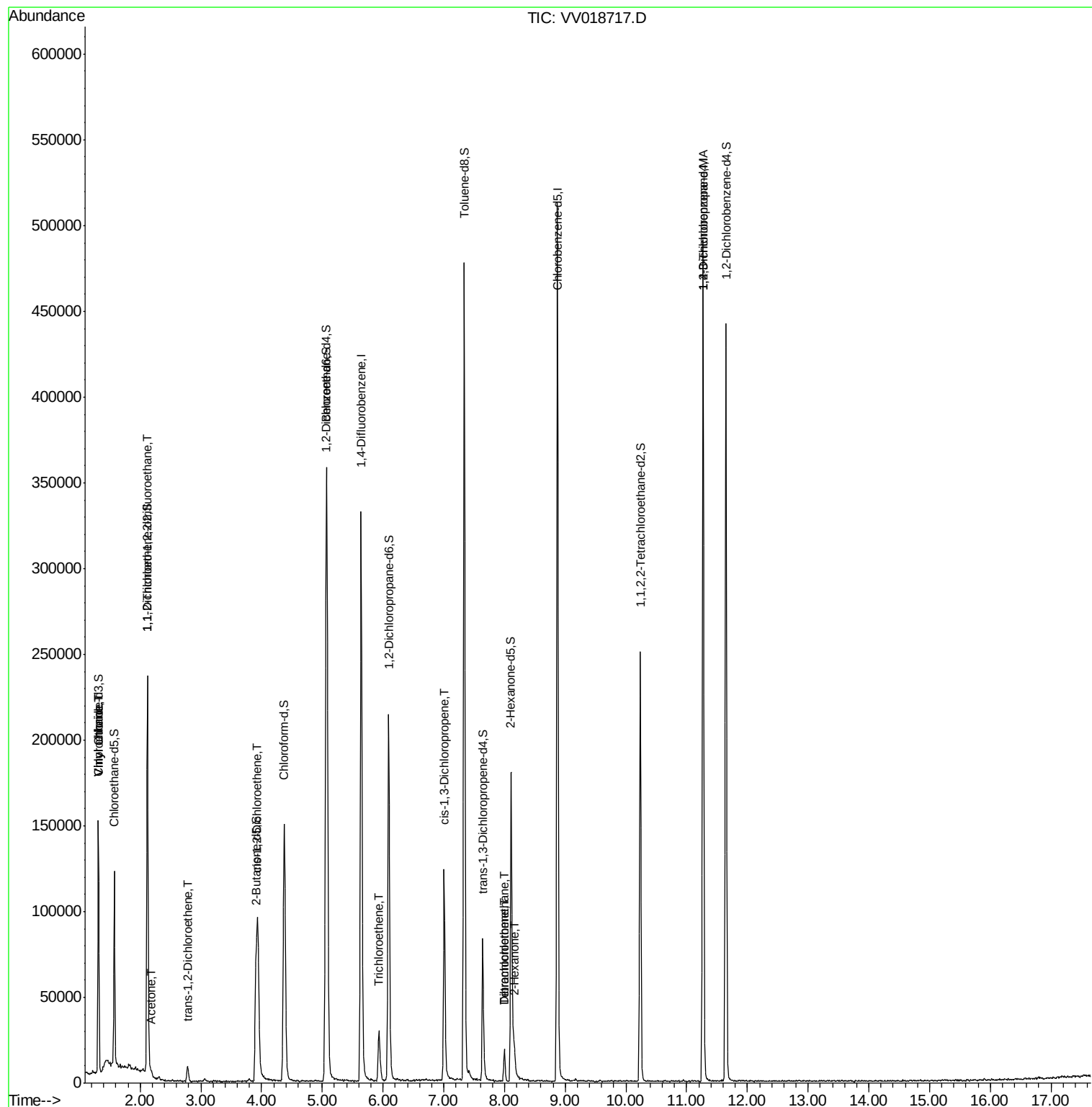
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	16551	8.063	ug/L	88
8) Chloroethane	1.32	64	6251	4.942	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1185	0.679	ug/L #	19
13) Acetone	2.18	43	3280	3.234	ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	3338	1.741	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	42156	20.695	ug/L	100
34) Trichloroethene	5.94	95	4808	2.133	ug/L	97
39) cis-1,3-Dichloropropene	7.00	75	3267	1.046	ug/L #	72
46) Tetrachloroethene	8.00	164	3833	2.096	ug/L	94
48) 2-Hexanone	8.16	43	11901	5.935	ug/L #	79
49) Dibromochloromethane	8.00	129	3876	1.719	ug/L #	11
59) 1,2,3-Trichloropropane	11.27	75	14181	5.854	ug/L #	83

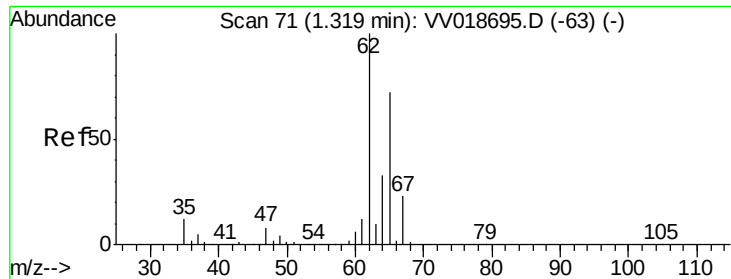
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.063 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV018717.D

Acq: 07 Oct 2020 02:43

Instrument :

MSVOA_V

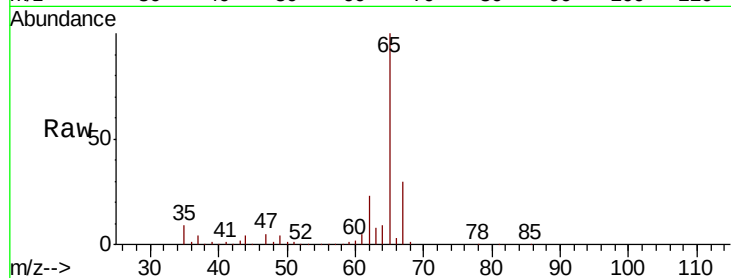
ClientSampleId :

Tot Ion: 62 Resp: 16551

Ion Ratio Lower Upper

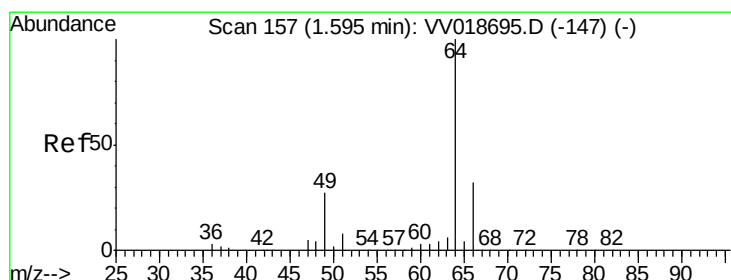
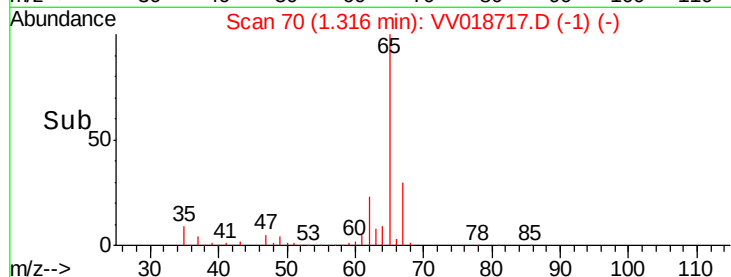
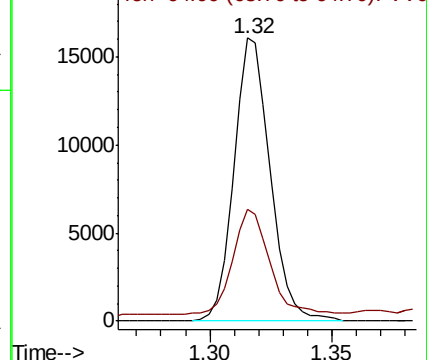
62 100

64 39.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 4.942 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV018717.D

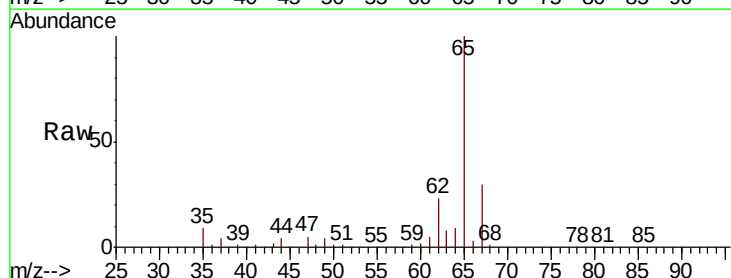
Acq: 07 Oct 2020 02:43

Tgt Ion: 64 Resp: 6251

Ion Ratio Lower Upper

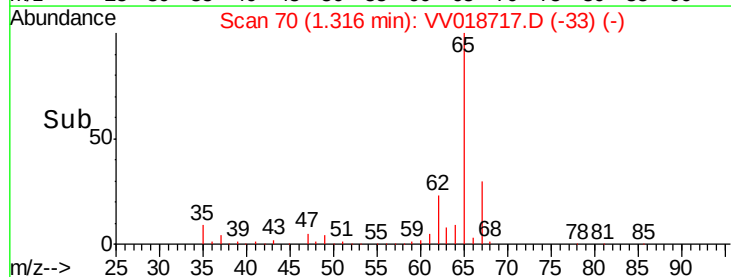
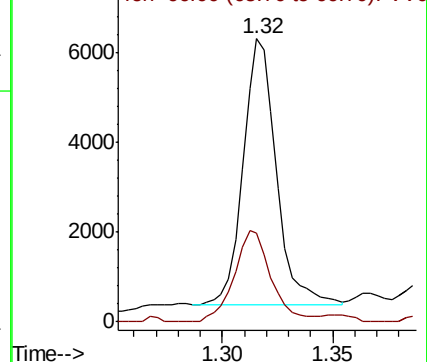
64 100

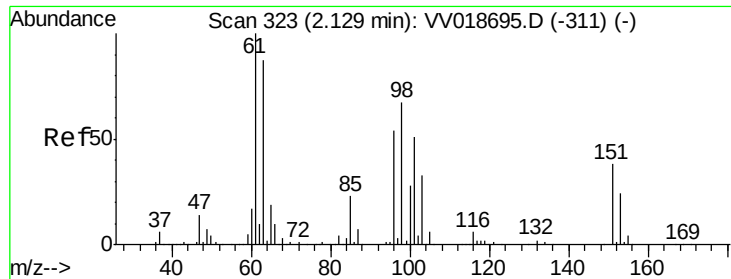
66 31.2 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.679 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018717.D

Acq: 07 Oct 2020 02:43

Instrument :

MSVOA_V

ClientSampleId :

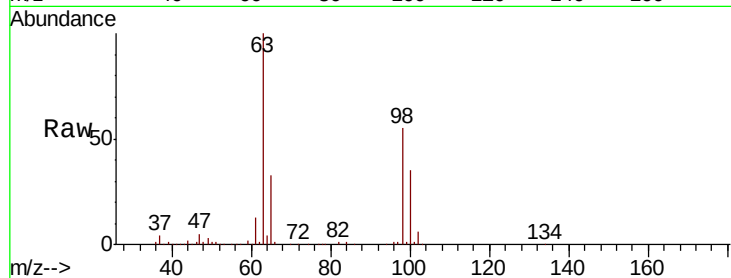
Tot Ion:101 Resp: 1185

Ion Ratio Lower Upper

101 100

85 3.5 34.6 52.0#

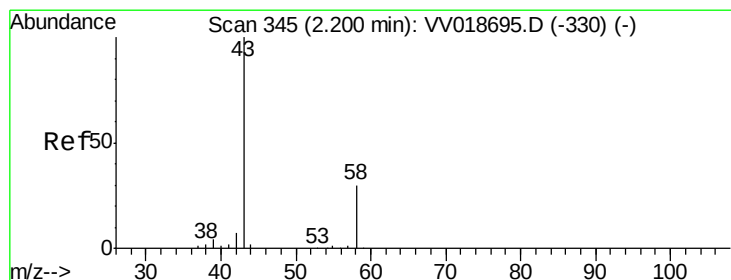
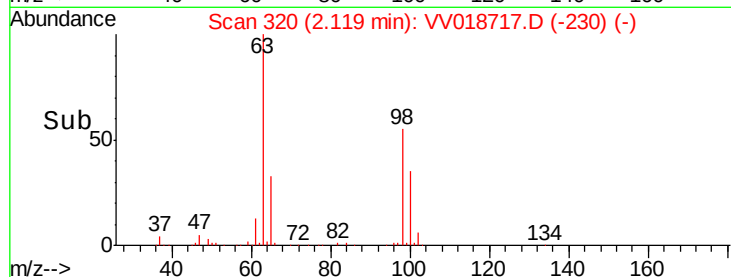
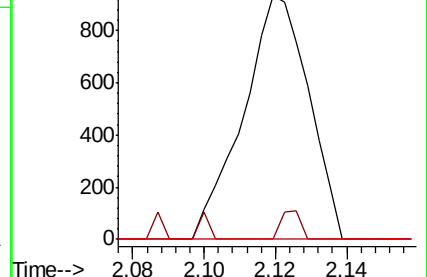
151 0.0 64.3 96.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 3.234 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV018717.D

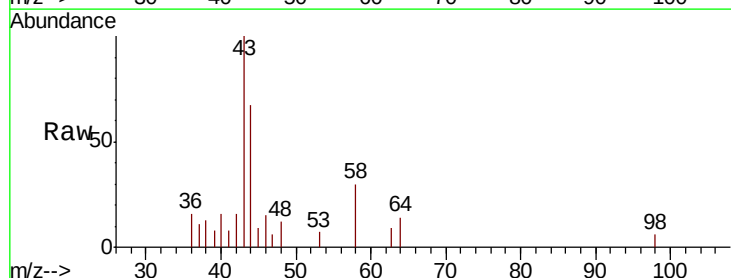
Acq: 07 Oct 2020 02:43

Tgt Ion: 43 Resp: 3280

Ion Ratio Lower Upper

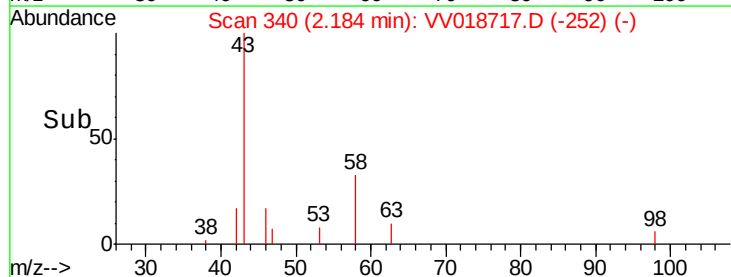
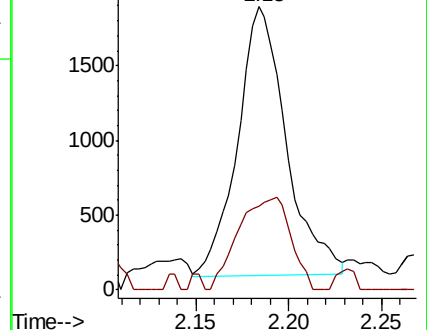
43 100

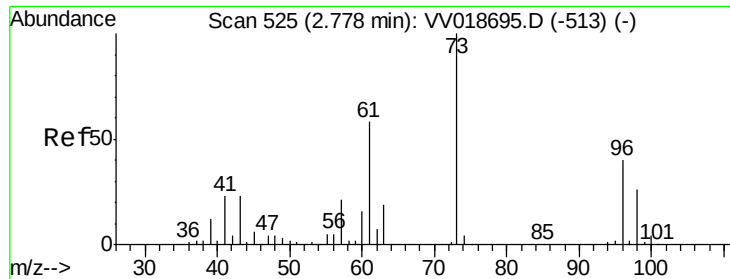
58 36.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

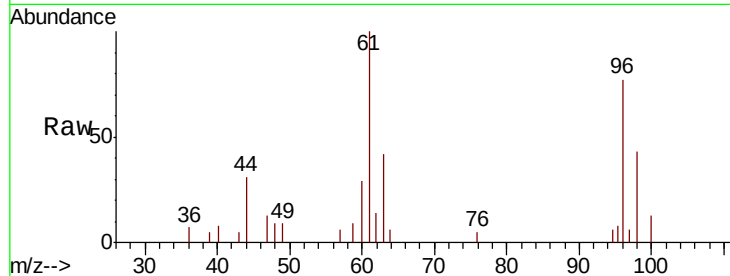




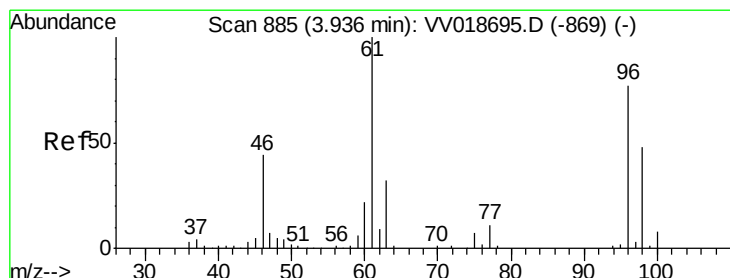
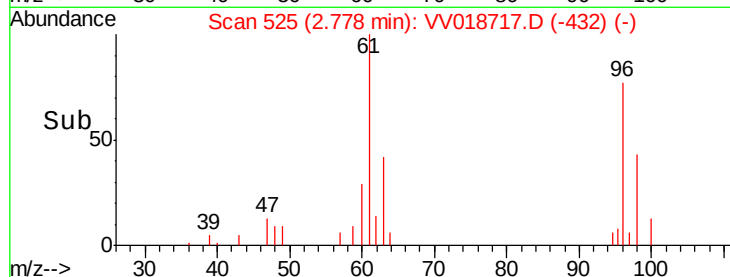
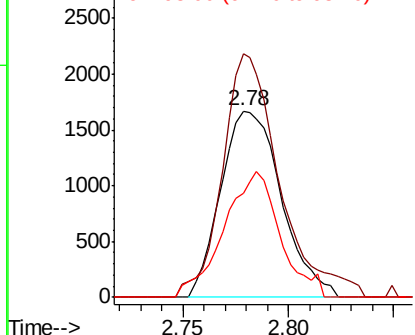
#17
trans-1,2-Dichloroethene
Concen: 1.741 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018717.D
Acq: 07 Oct 2020 02:43

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 3338
Ion Ratio Lower Upper
96 100
61 130.4 95.0 176.4
98 55.5 44.6 82.8

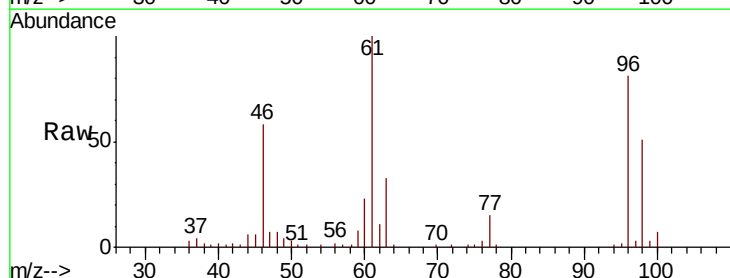


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

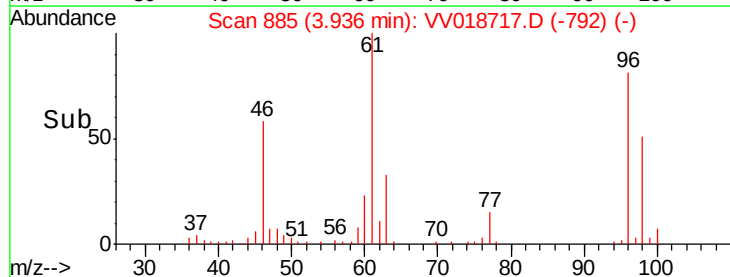
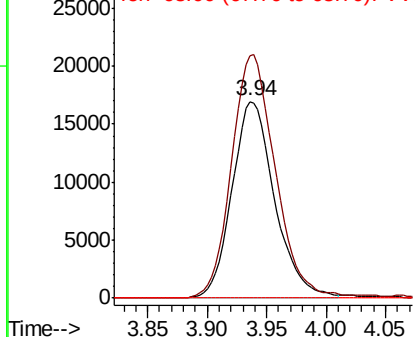


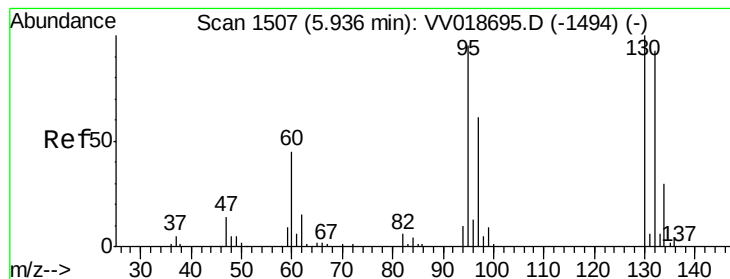
#20
cis-1,2-Dichloroethene
Concen: 20.695 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV018717.D
Acq: 07 Oct 2020 02:43

Tgt Ion: 96 Resp: 42156
Ion Ratio Lower Upper
96 100
61 123.6 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: 2.133 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018717.D

Acq: 07 Oct 2020 02:43

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 4808

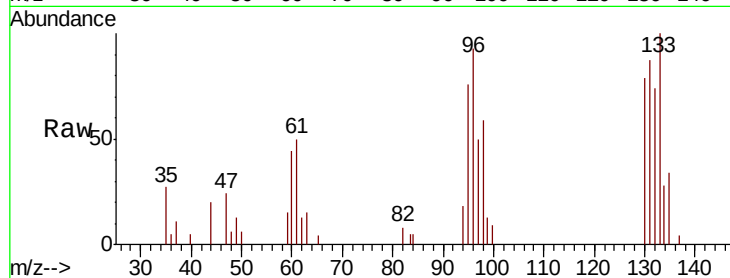
Ion Ratio Lower Upper

95 100

97 66.4 45.9 85.3

132 97.3 70.8 131.4

130 104.4 75.3 139.8

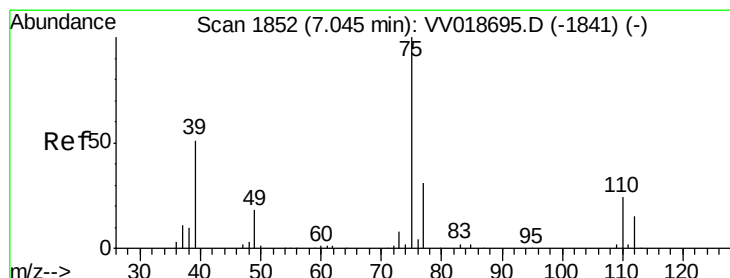
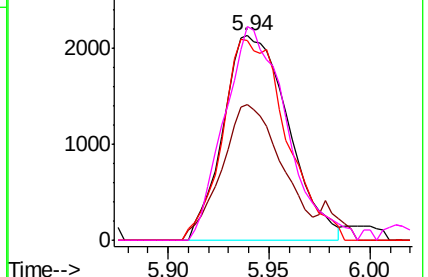
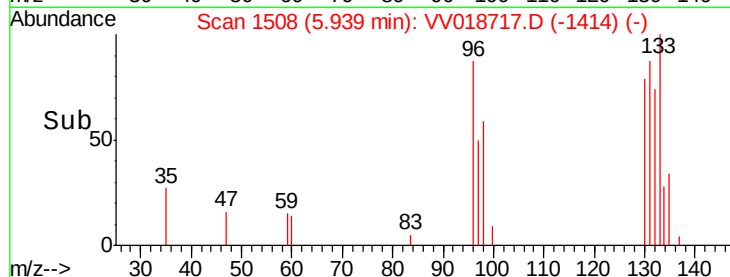


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.046 ug/L

RT: 7.00 min Scan# 1839

Delta R.T. -0.04 min

Lab File: VV018717.D

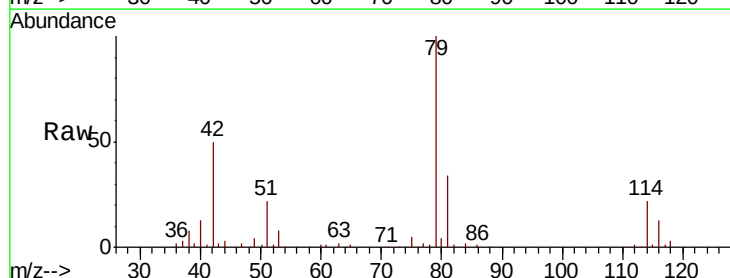
Acq: 07 Oct 2020 02:43

Tgt Ion: 75 Resp: 3267

Ion Ratio Lower Upper

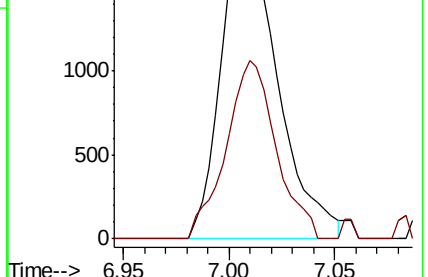
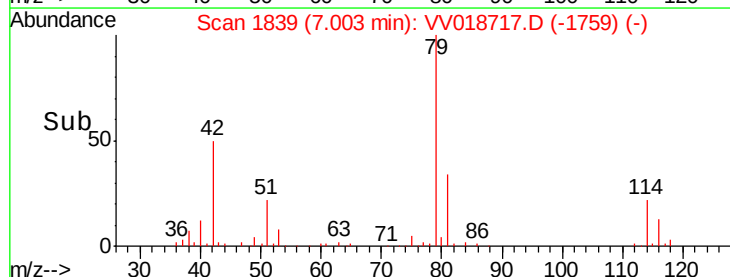
75 100

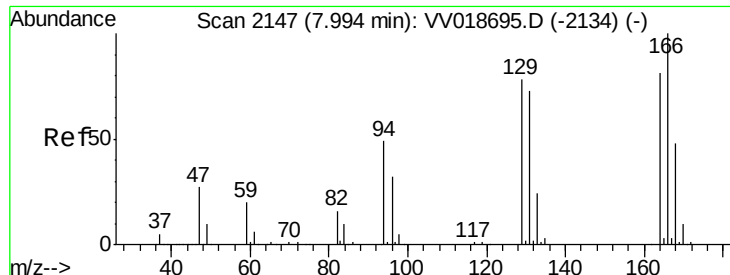
77 48.4 23.0 42.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 2.096 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018717.D

Acq: 07 Oct 2020 02:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 3833

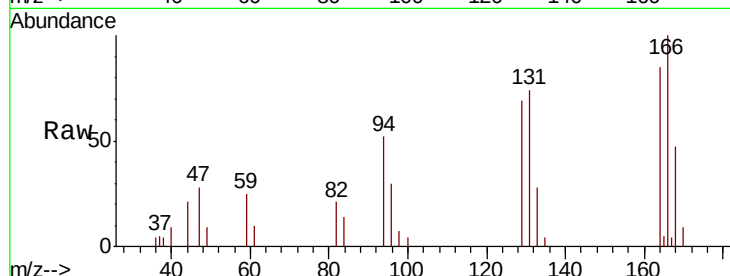
Ion Ratio Lower Upper

164 100

129 81.7 62.8 116.6

131 87.7 60.8 112.8

166 118.0 88.9 165.1

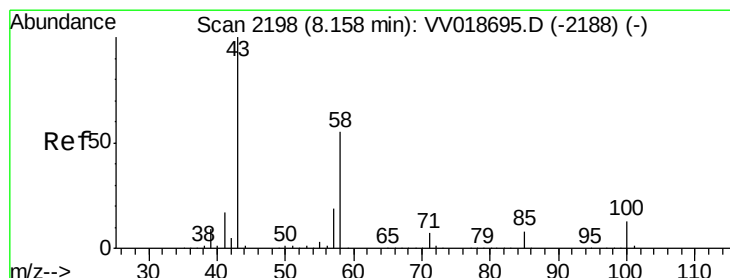
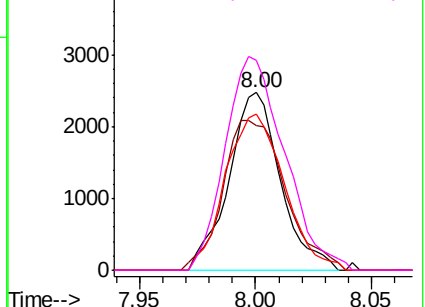
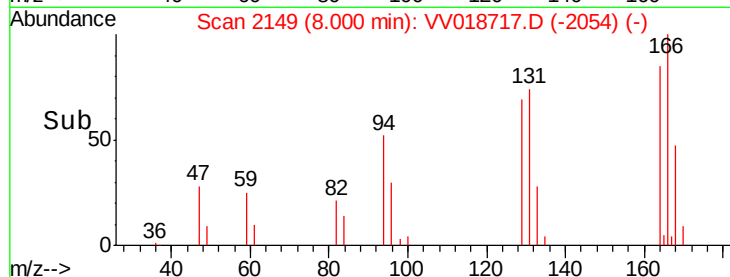


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 5.935 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018717.D

Acq: 07 Oct 2020 02:43

Tgt Ion: 43 Resp: 11901

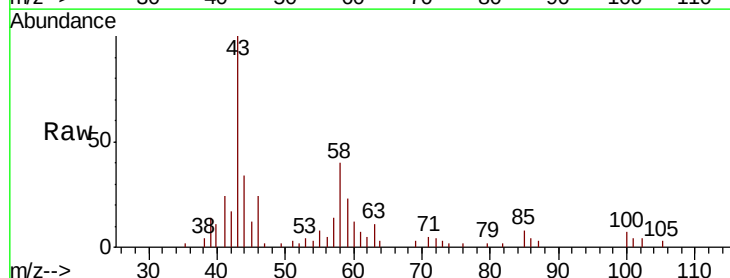
Ion Ratio Lower Upper

43 100

58 42.5 45.1 67.7#

57 8.6 15.7 23.5#

100 3.8 11.0 16.4#

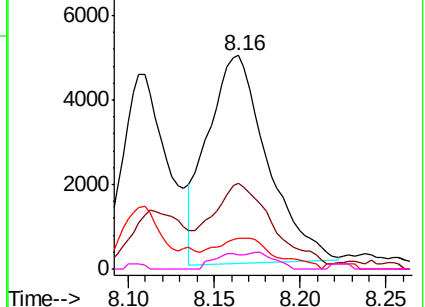
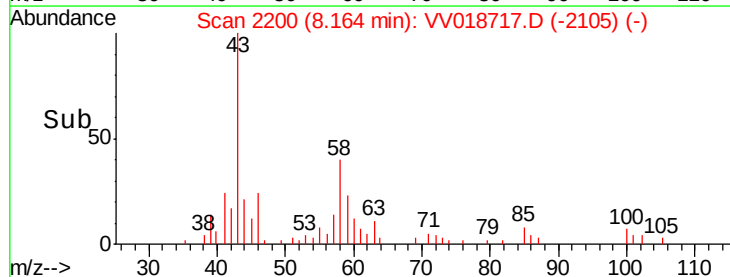


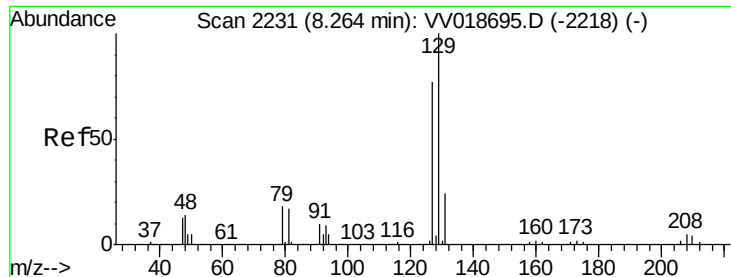
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 1.719 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV018717.D

Acq: 07 Oct 2020 02:43

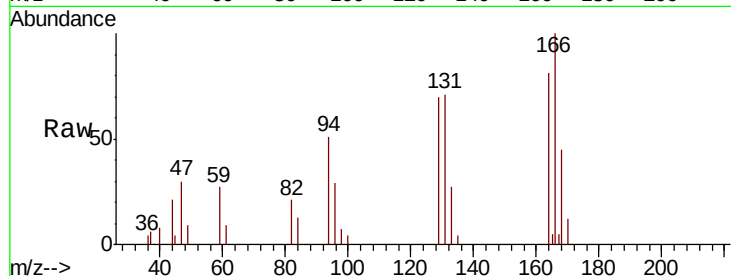
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:129 Resp: 3876

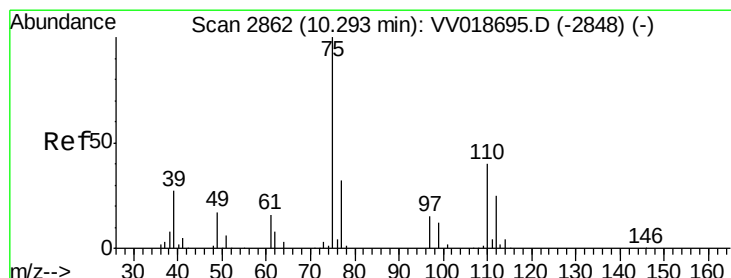
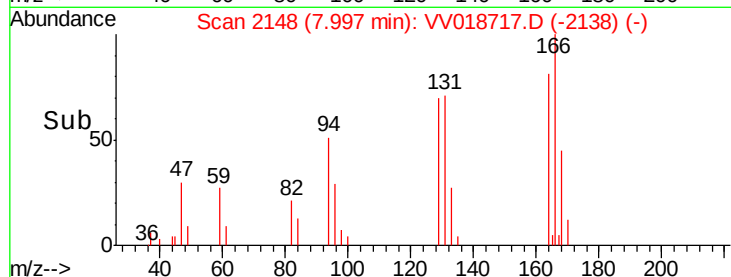
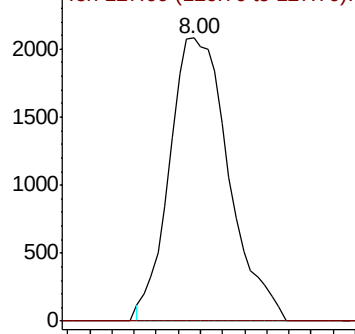
Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.854 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018717.D

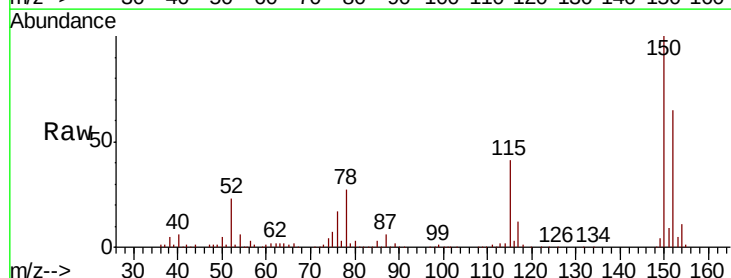
Acq: 07 Oct 2020 02:43

Tgt Ion: 75 Resp: 14181

Ion Ratio Lower Upper

75 100

77 41.2 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

