

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018706.D
 Acq On : 06 Oct 2020 22:22
 Operator : SY/MD
 Sample : L4287-09
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 07:24:57 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	186053	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	188060	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	85228	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80439	73.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	147.44%#
7) Chloroethane-d5	1.58	69	68768	76.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	152.44%#
11) 1,1-Dichloroethene-d2	2.12	63	120882	54.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.74%
21) 2-Butanone-d5	3.91	46	101850	125.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.14%
24) Chloroform-d	4.38	84	154435	65.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	130.90%#
26) 1,2-Dichloroethane-d4	5.06	65	108766	72.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	145.22%#
32) Benzene-d6	5.08	84	294768	61.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.76%
36) 1,2-Dichloropropane-d6	6.09	67	92463	64.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	128.48%#
41) Toluene-d8	7.34	98	263755	58.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	117.72%
43) trans-1,3-Dichloropropene-	7.64	79	41912	53.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.82%
47) 2-Hexanone-d5	8.11	63	48554	88.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	108491	56.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.72%
64) 1,2-Dichlorobenzene-d4	11.65	152	115884	70.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	141.40%#

Target Compounds

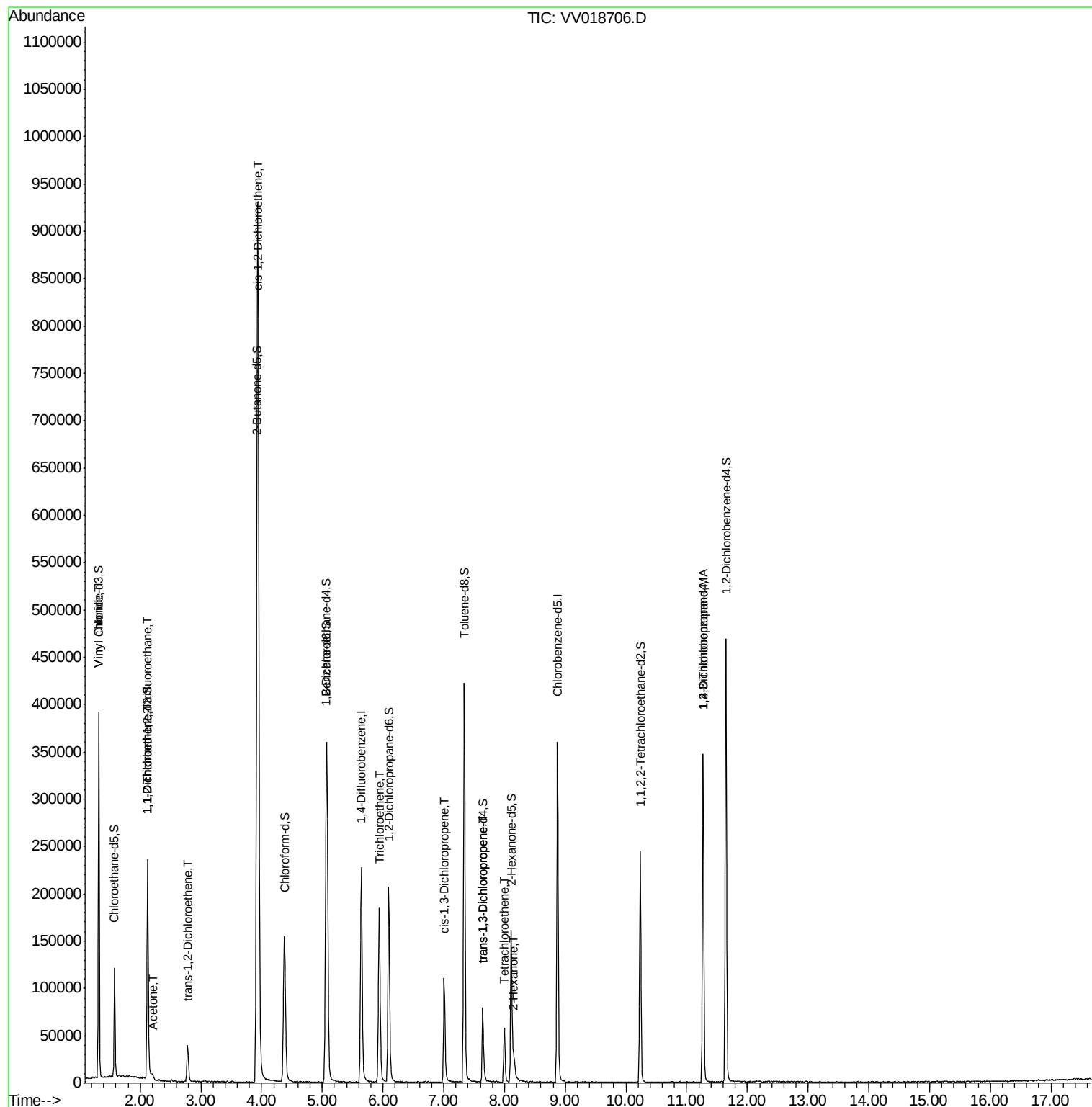
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	161987	113.820	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	980	0.809	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1990	1.713	ug/L #	1
13) Acetone	2.20	43	8956	12.736	ug/L	73
17) trans-1,2-Dichloroethene	2.78	96	13867	10.434	ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	496057	351.217	ug/L	94
34) Trichloroethene	5.94	95	58275	36.331	ug/L	98
39) cis-1,3-Dichloropropene	7.01	75	2716	1.221	ug/L	85
44) trans-1,3-Dichloropropene	7.64	75	2063	0.944	ug/L #	65
46) Tetrachloroethene	8.00	164	12928	9.935	ug/L	96
48) 2-Hexanone	8.16	43	15313	10.730	ug/L #	77
59) 1,2,3-Trichloropropane	11.27	75	10463	6.068	ug/L #	84

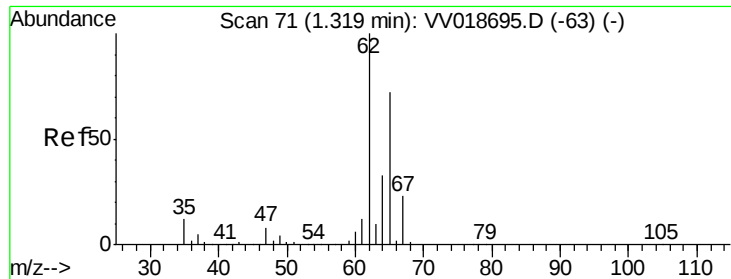
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Oct 07 07:24:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 07 07:22:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 113.820 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018706.D

Acq: 06 Oct 2020 22:22

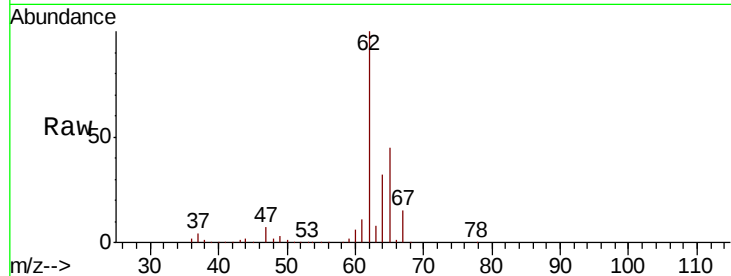
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 161987

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018695.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV018695.D (-63) (-)

1.32

150000

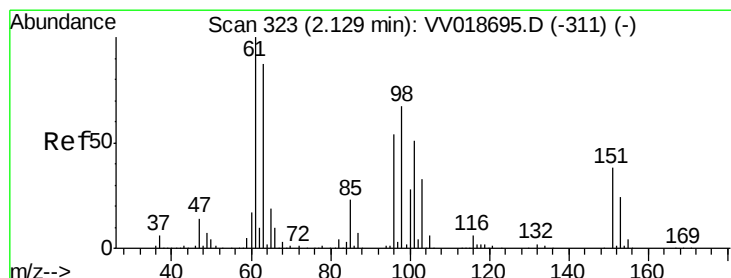
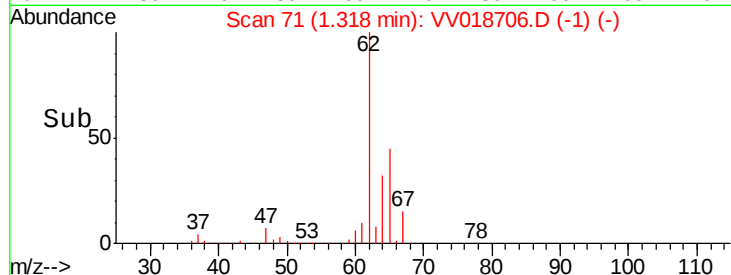
100000

50000

0

1.30 1.35 1.40

Time-->



#10

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

Concen: 0.809 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018706.D

Acq: 06 Oct 2020 22:22

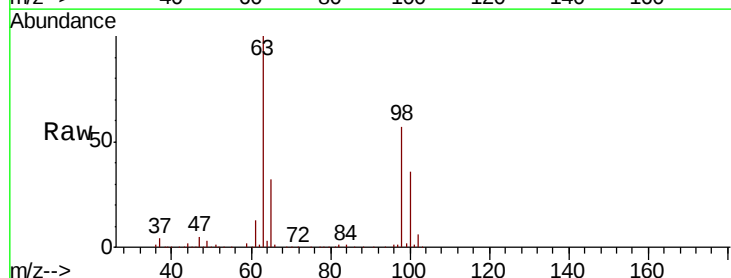
Tgt Ion: 101 Resp: 980

Ion Ratio Lower Upper

101 100

85 4.2 34.6 52.0#

151 0.0 64.3 96.5#



Abundance Ion 101.00 (100.70 to 101.70): VV018695.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018695.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018695.D (-311) (-)

2.12

800

600

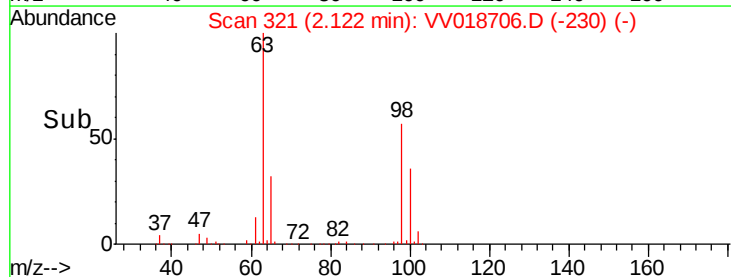
400

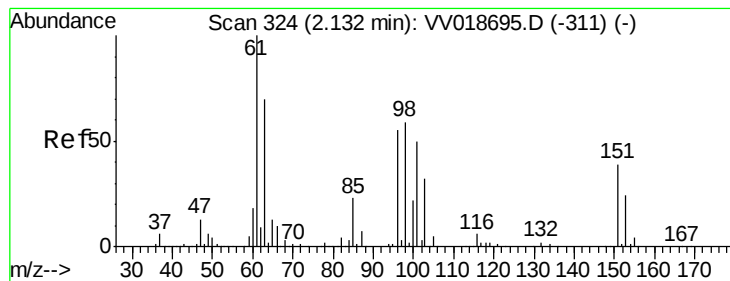
200

0

2.08 2.10 2.12 2.14

Time-->





#12

1,1-Dichloroethene

Concen: 1.713 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018706.D

Acq: 06 Oct 2020 22:22

Instrument :
MSVOA_V
ClientSampled :

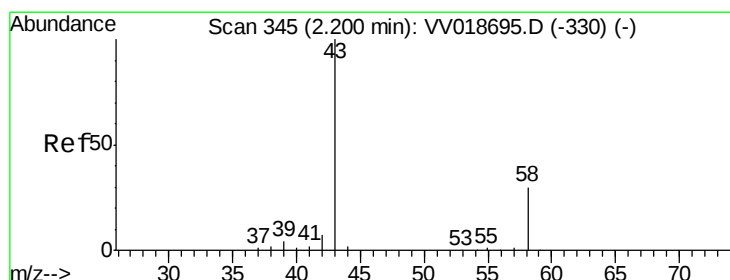
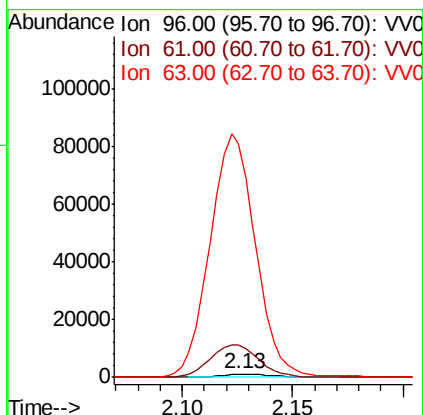
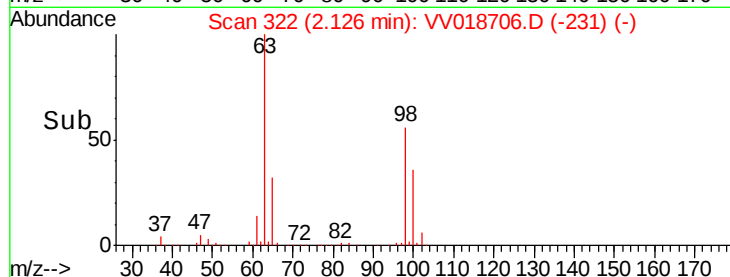
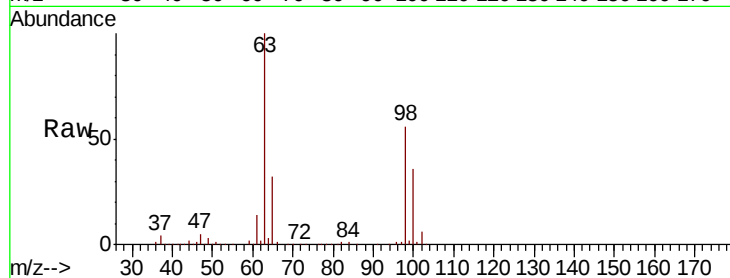
Tot Ion: 96 Resp: 1990

Ion Ratio Lower Upper

96 100

61 913.5 122.8 228.1#

63 6687.6 91.9 170.7#



#13

Acetone

Concen: 12.736 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV018706.D

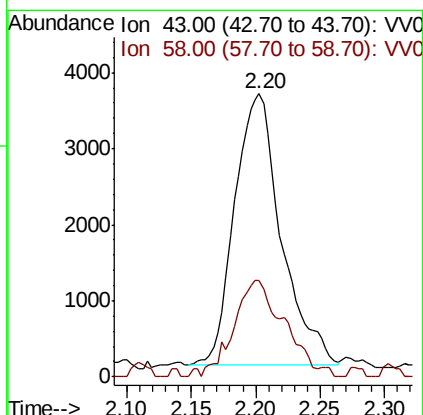
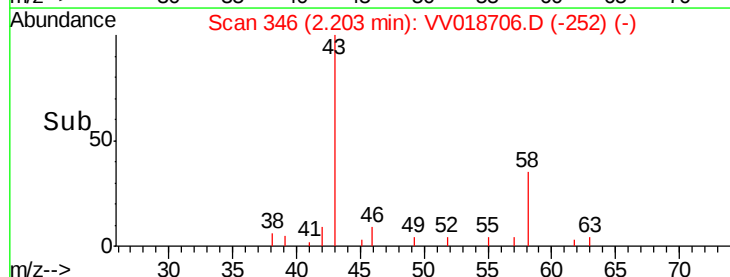
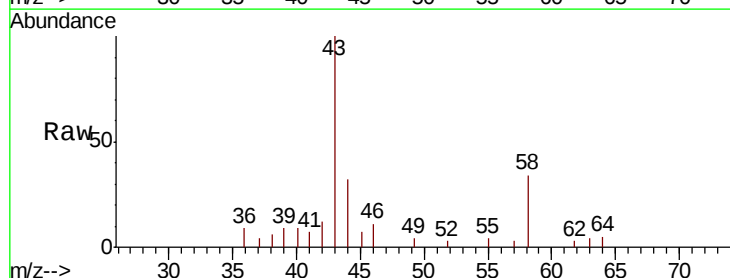
Acq: 06 Oct 2020 22:22

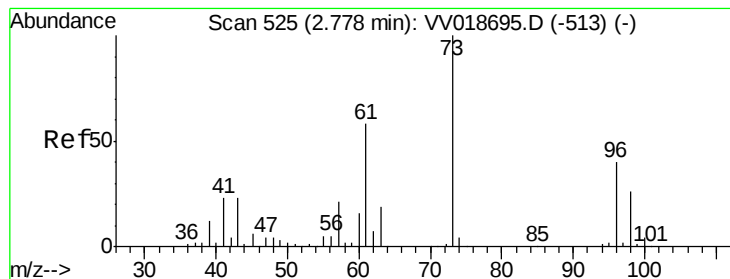
Tgt Ion: 43 Resp: 8956

Ion Ratio Lower Upper

43 100

58 16.7 0.0 64.0





#17

trans-1,2-Dichloroethene

Concen: 10.434 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018706.D

Acq: 06 Oct 2020 22:22

Instrument :

MSVOA_V

ClientSampled :

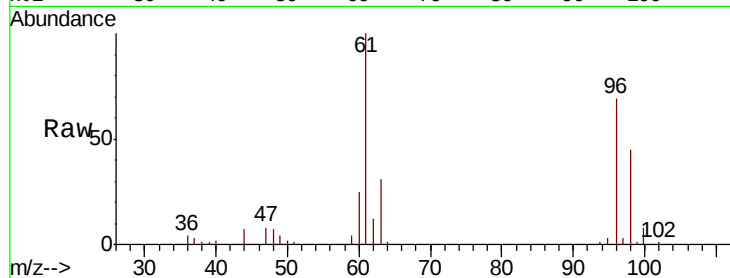
Tot Ion: 96 Resp: 13867

Ion Ratio Lower Upper

96 100

61 145.1 95.0 176.4

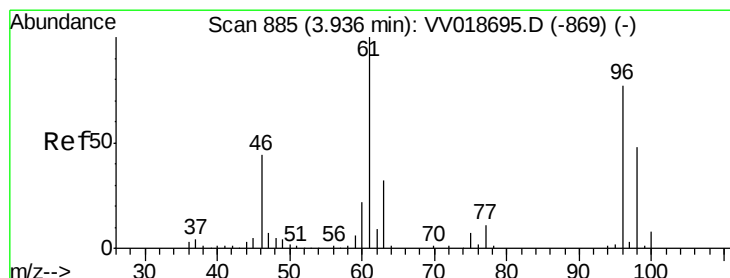
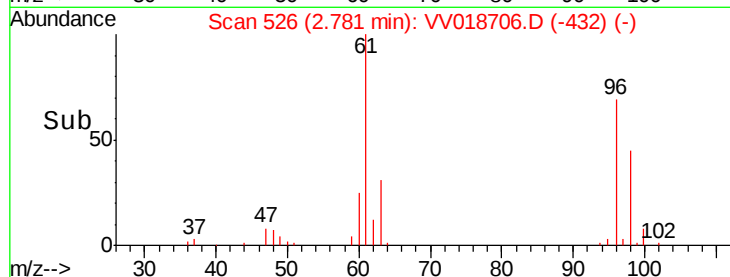
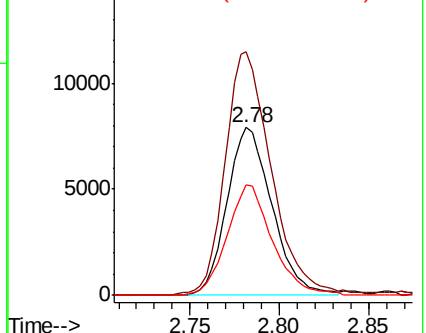
98 65.7 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV018695.D (-513) (-)

Ion 61.00 (60.70 to 61.70): VV018695.D (-513) (-)

Ion 98.00 (97.70 to 98.70): VV018695.D (-513) (-)



#20

cis-1,2-Dichloroethene

Concen: 351.217 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018706.D

Acq: 06 Oct 2020 22:22

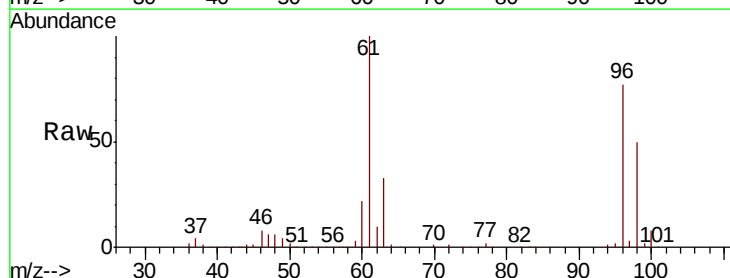
Tgt Ion: 96 Resp: 496057

Ion Ratio Lower Upper

96 100

61 130.3 86.8 161.2

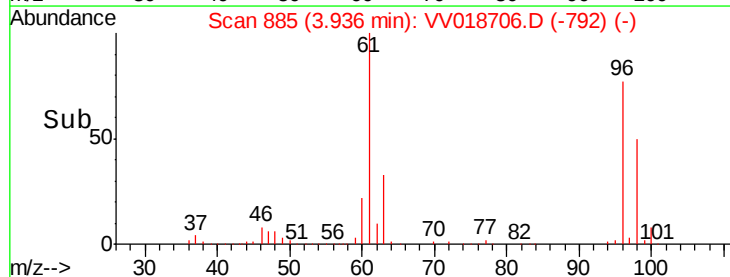
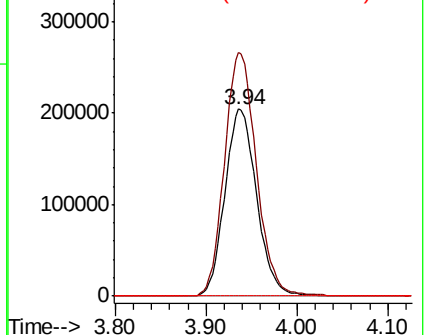
68 0.0 0.0 0.0

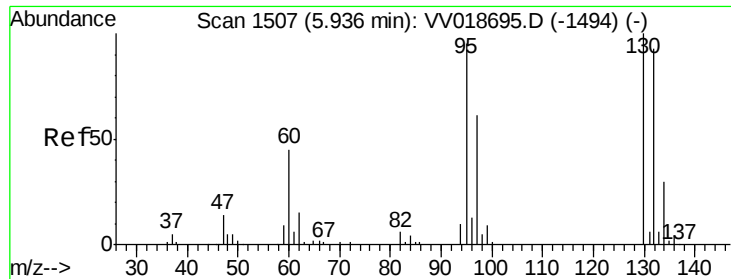


Abundance Ion 96.00 (95.70 to 96.70): VV018695.D (-869) (-)

Ion 61.00 (60.70 to 61.70): VV018695.D (-869) (-)

Ion 68.00 (67.70 to 68.70): VV018695.D (-869) (-)

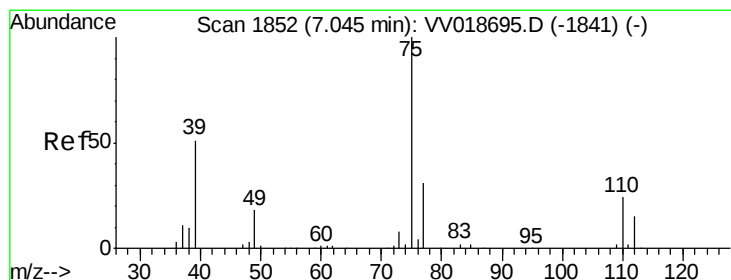
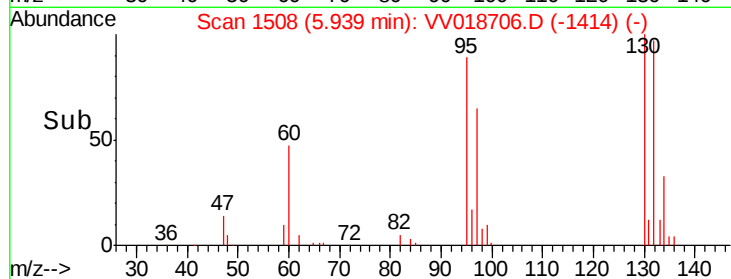
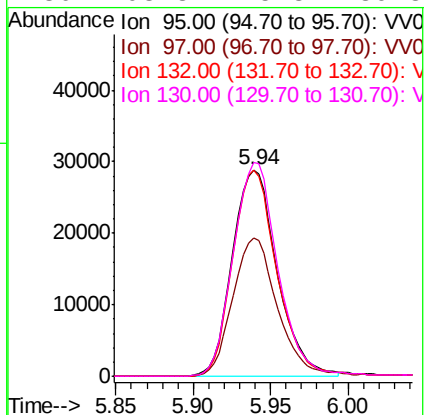
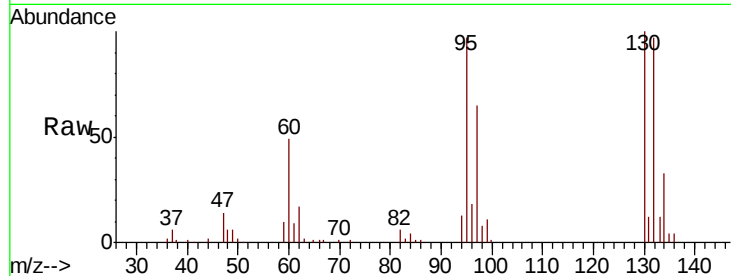




#34
 Trichloroethene
 Concen: 36.331 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018706.D
 Acq: 06 Oct 2020 22:22

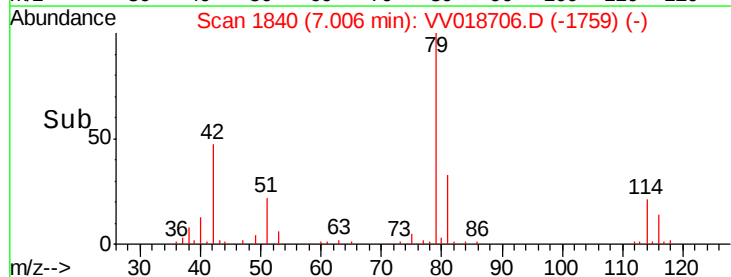
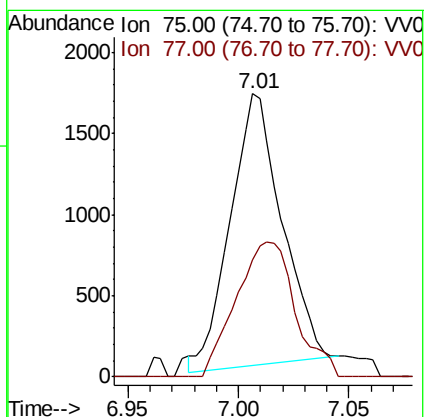
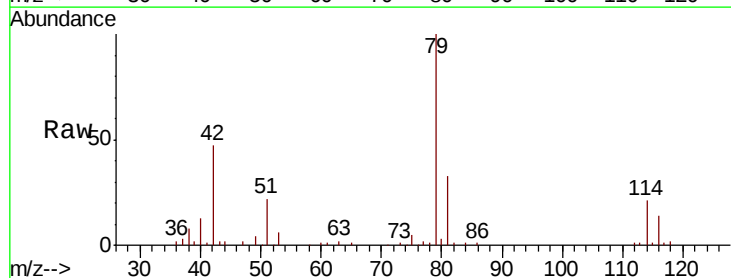
Instrument :
 MSVOA_V
 ClientSampled :

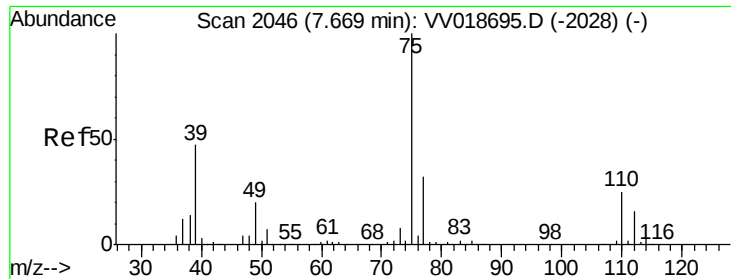
Tot Ion: 95 Resp: 58275
 Ion Ratio Lower Upper
 95 100
 97 66.8 45.9 85.3
 132 99.9 70.8 131.4
 130 103.3 75.3 139.8



#39
 cis-1,3-Dichloropropene
 Concen: 1.221 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018706.D
 Acq: 06 Oct 2020 22:22

Tgt Ion: 75 Resp: 2716
 Ion Ratio Lower Upper
 75 100
 77 41.2 23.0 42.6

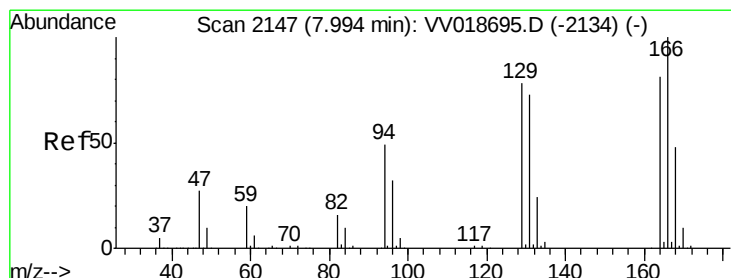
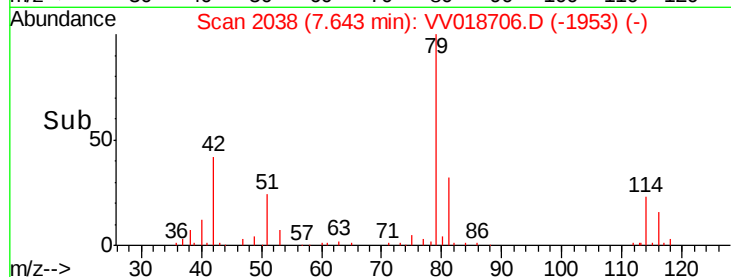
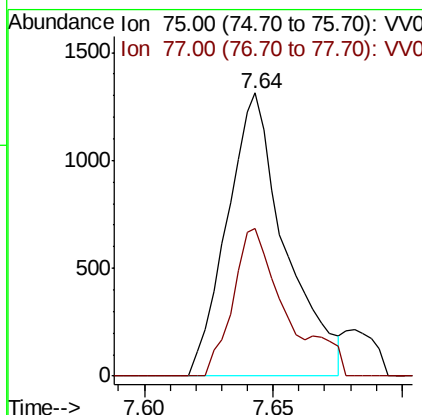
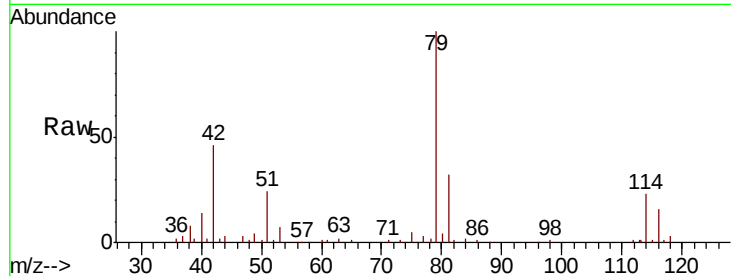




#44
trans-1,3-Dichloropropene
Concen: 0.944 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV018706.D
Acq: 06 Oct 2020 22:22

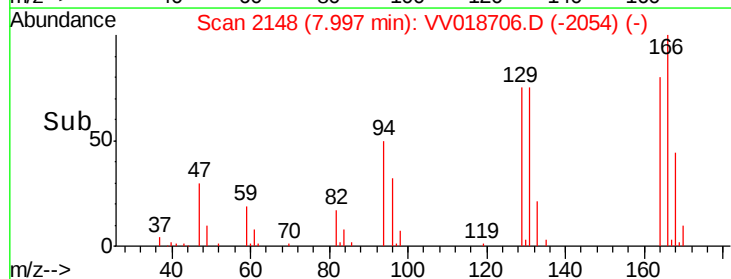
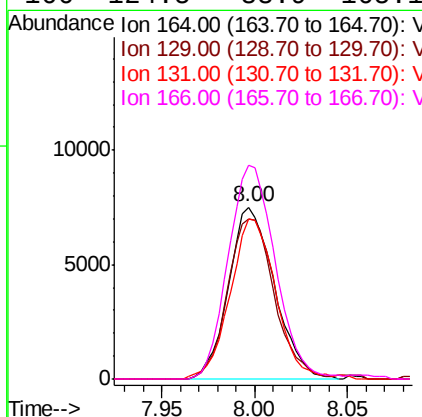
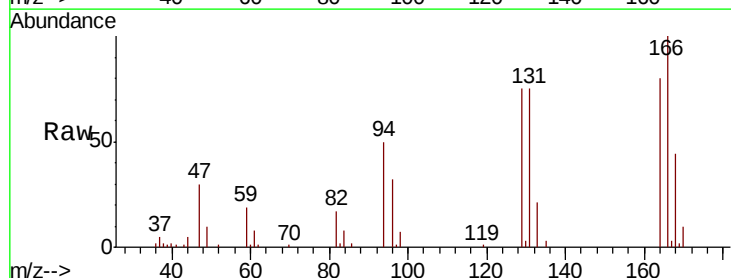
Instrument :
MSVOA_V
ClientSampled :

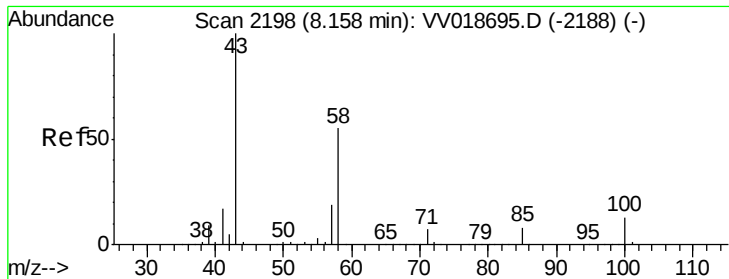
Tot Ion: 75 Resp: 2063
Ion Ratio Lower Upper
75 100
77 52.0 22.7 42.1#



#46
Tetrachloroethene
Concen: 9.935 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018706.D
Acq: 06 Oct 2020 22:22

Tgt Ion:164 Resp: 12928
Ion Ratio Lower Upper
164 100
129 93.5 62.8 116.6
131 93.1 60.8 112.8
166 124.5 88.9 165.1

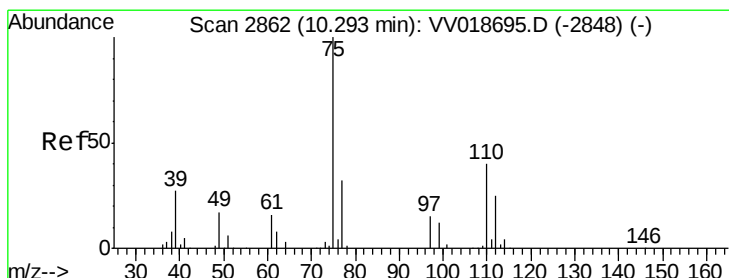
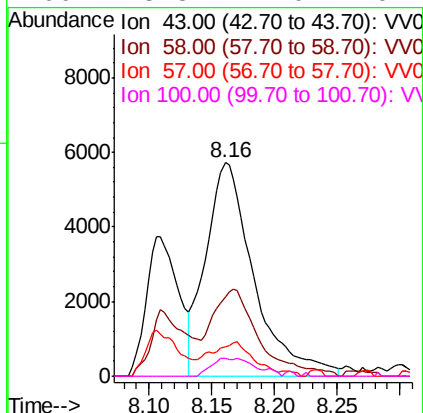
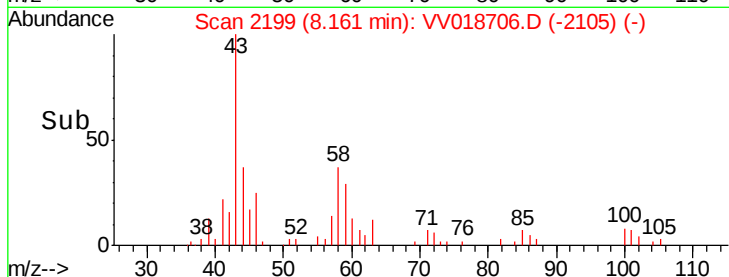
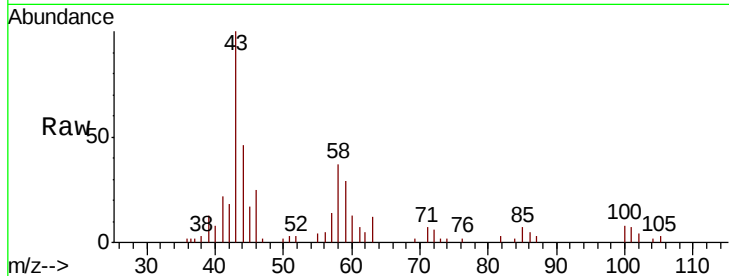




#48
2-Hexanone
Concen: 10.730 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018706.D
Acq: 06 Oct 2020 22:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 15313
Ion Ratio Lower Upper
43 100
58 39.4 45.1 67.7#
57 11.1 15.7 23.5#
100 3.3 11.0 16.4#



#59
1,2,3-Trichloropropane
Concen: 6.068 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV018706.D
Acq: 06 Oct 2020 22:22

Tgt Ion: 75 Resp: 10463
Ion Ratio Lower Upper
75 100
77 40.8 25.4 38.0#

