

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
 Data File : VV018728.D
 Acq On : 07 Oct 2020 14:25
 Operator : SY/MD
 Sample : L4287-18DL 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 02:54:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 02:46:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	284406	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	278758	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	126958	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80744	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.82%
7) Chloroethane-d5	1.58	69	72992	52.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.86%
11) 1,1-Dichloroethene-d2	2.12	63	130545	38.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.82%
21) 2-Butanone-d5	3.91	46	107532	86.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.43%
24) Chloroform-d	4.38	84	160467	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.98%
26) 1,2-Dichloroethane-d4	5.06	65	115486	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.88%
32) Benzene-d6	5.07	84	323966	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
36) 1,2-Dichloropropane-d6	6.09	67	108816	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.00%
41) Toluene-d8	7.34	98	280862	42.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.56%
43) trans-1,3-Dichloropropene-	7.64	79	47002	40.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.56%
47) 2-Hexanone-d5	8.11	63	56169	69.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	69.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	106004	37.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	116992	47.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.84%

Target Compounds

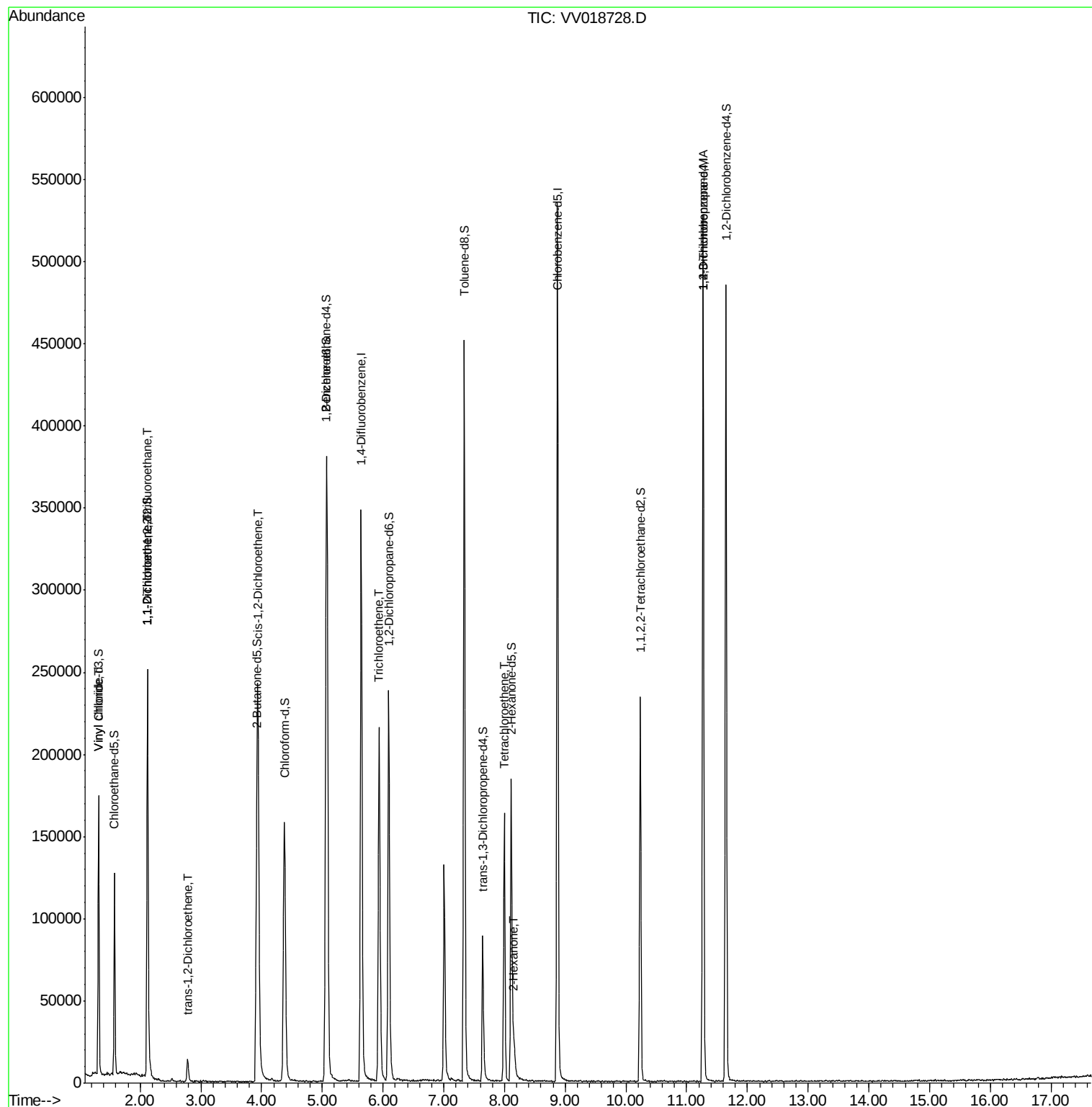
					Ovalue
5) Vinyl chloride	1.32	62	25269	11.615 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1353	0.731 ug/L #	21
12) 1,1-Dichloroethene	2.12	96	1902	1.071 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	5064	2.493 ug/L	92
20) cis-1,2-Dichloroethene	3.94	96	116116	53.782 ug/L	96
34) Trichloroethene	5.94	95	68827	28.949 ug/L	93
46) Tetrachloroethene	8.00	164	34160	17.710 ug/L	96
48) 2-Hexanone	8.16	43	12205	5.770 ug/L #	67
59) 1,2,3-Trichloropropane	11.27	75	15561	6.089 ug/L	90

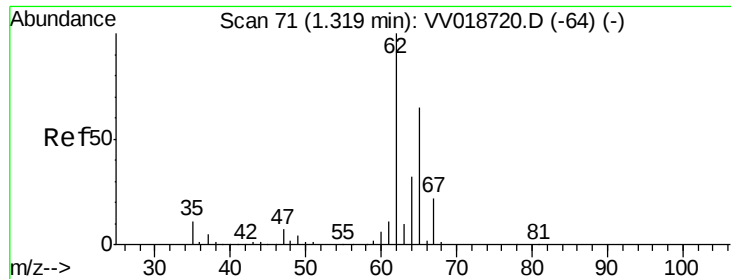
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 08 02:46:20 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.615 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018728.D

Acq: 07 Oct 2020 14:25

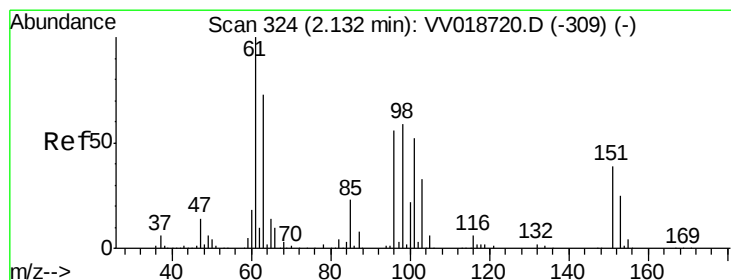
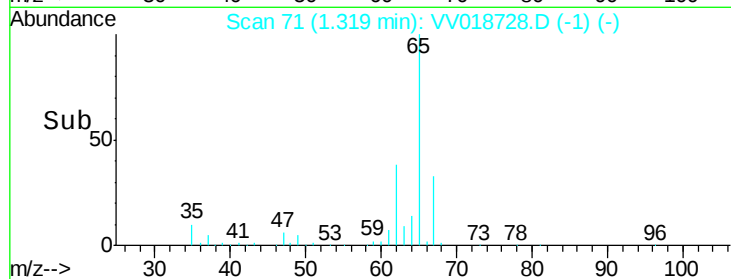
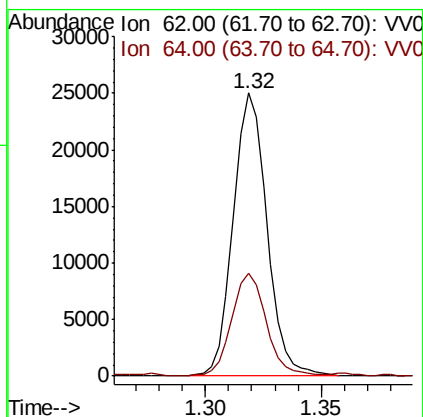
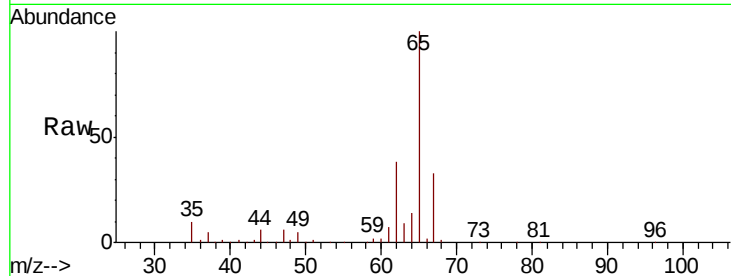
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 25269

Ion Ratio Lower Upper

62 100

64 36.5 22.9 42.5



#10

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

Concen: 0.731 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018728.D

Acq: 07 Oct 2020 14:25

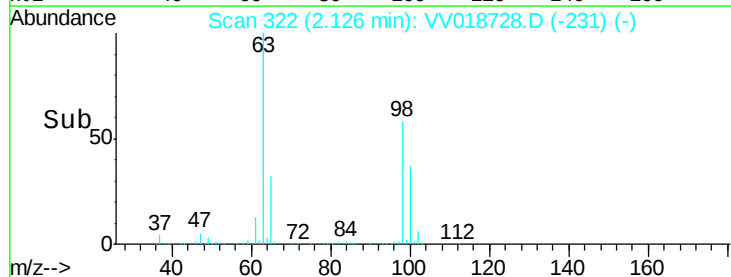
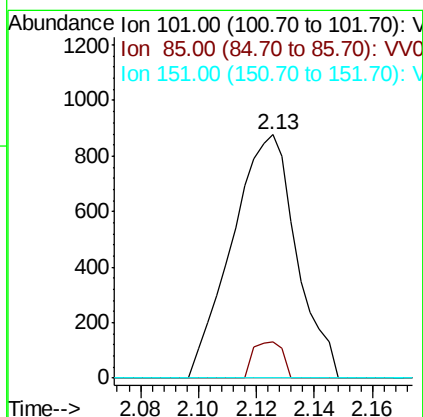
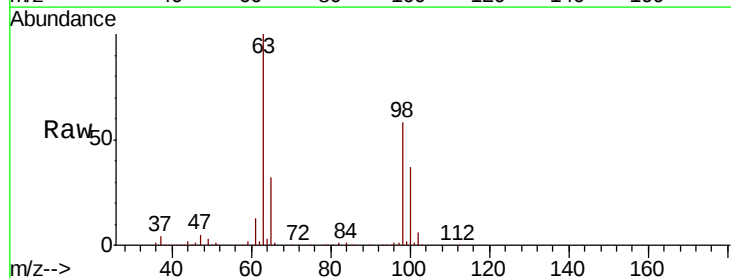
Tgt Ion: 101 Resp: 1353

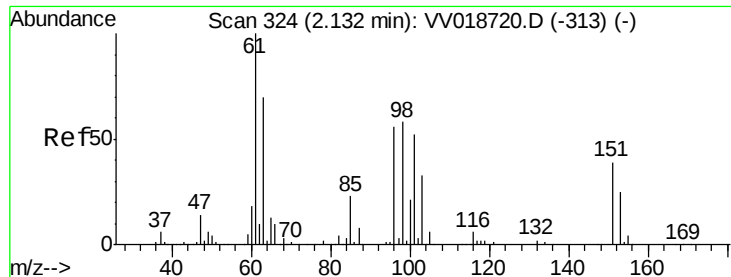
Ion Ratio Lower Upper

101 100

85 6.8 34.6 52.0#

151 0.0 64.3 96.5#





#12

1,1-Dichloroethene

Concen: 1.071 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018728.D

Acq: 07 Oct 2020 14:25

Instrument :
MSVOA_V
ClientSampled :

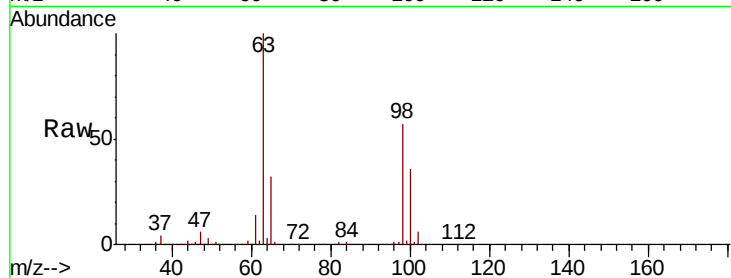
Tot Ion: 96 Resp: 1902

Ion Ratio Lower Upper

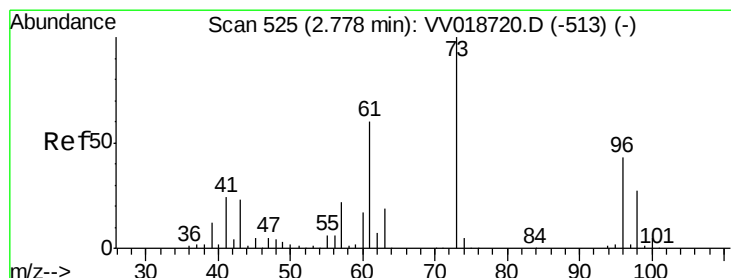
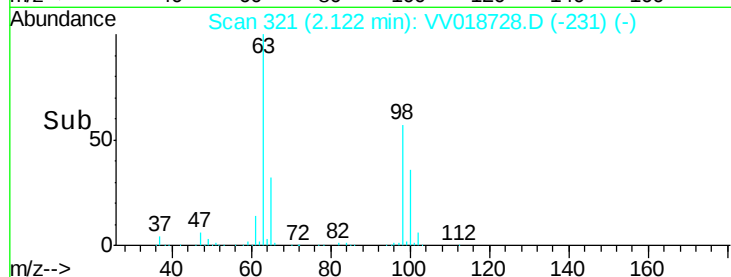
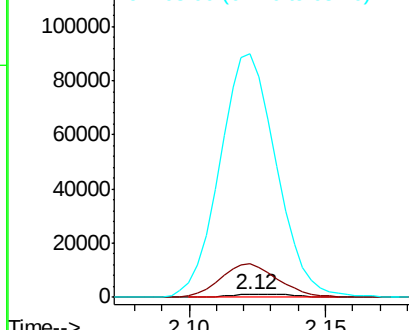
96 100

61 1238.3 122.8 228.1#

63 9092.8 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



#17

trans-1,2-Dichloroethene

Concen: 2.493 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018728.D

Acq: 07 Oct 2020 14:25

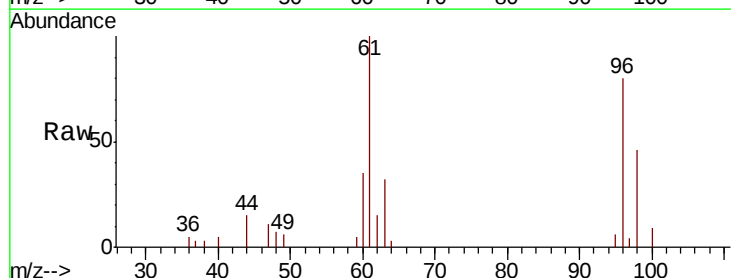
Tgt Ion: 96 Resp: 5064

Ion Ratio Lower Upper

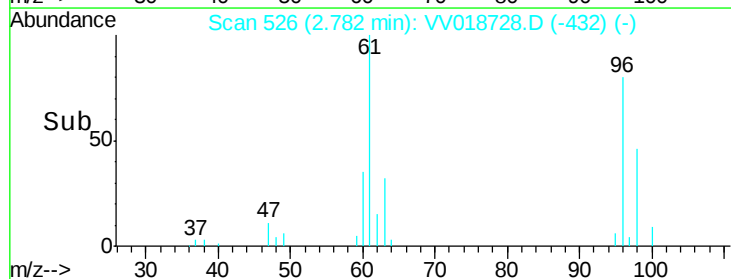
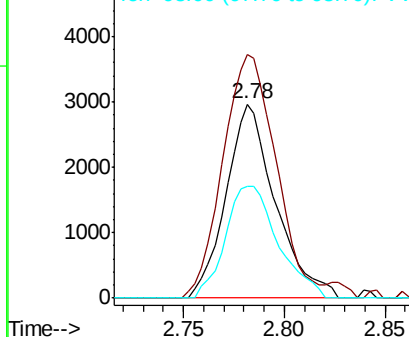
96 100

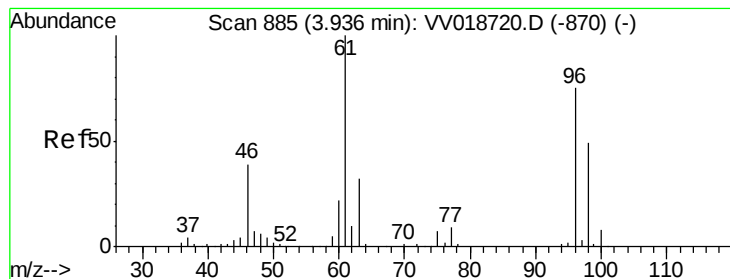
61 125.6 95.0 176.4

98 57.6 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



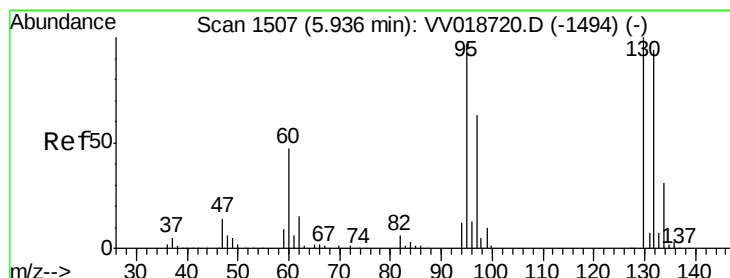
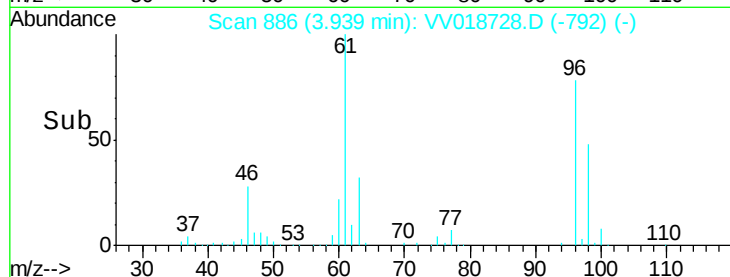
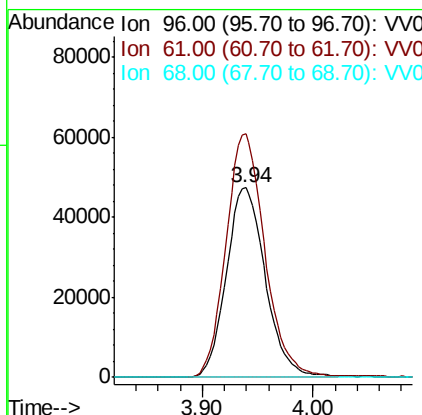
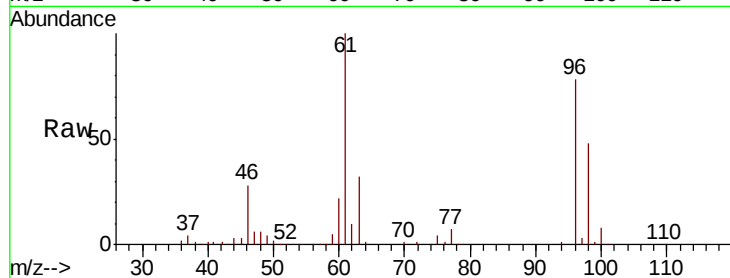


#20

cis-1,2-Dichloroethene
Concen: 53.782 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV018728.D
Acq: 07 Oct 2020 14:25

Instrument :
MSVOA_V
ClientSampleId :

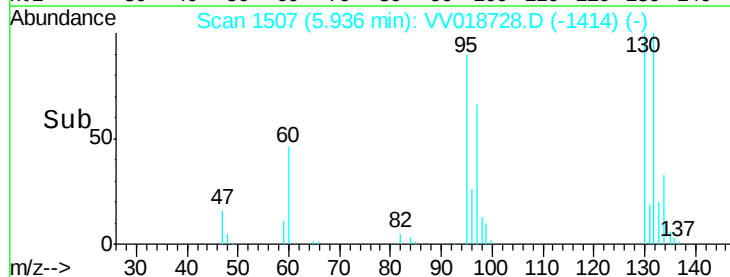
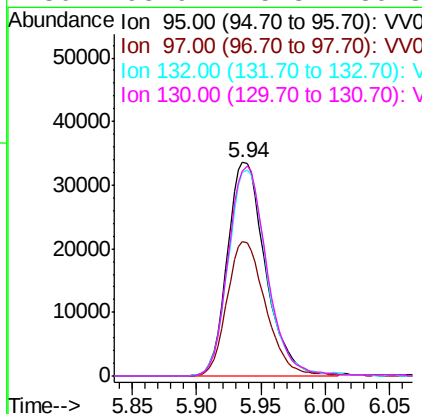
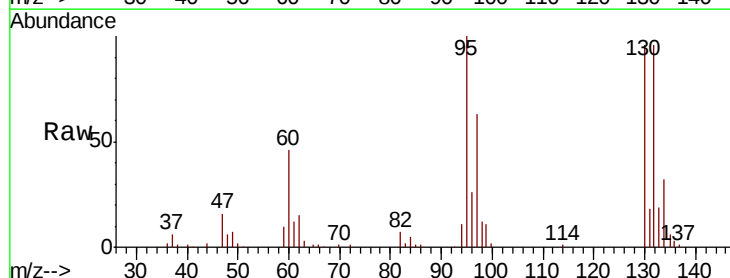
Tot Ion: 96 Resp: 116116
Ion Ratio Lower Upper
96 100
61 128.5 86.8 161.2
68 0.0 0.0 0.0

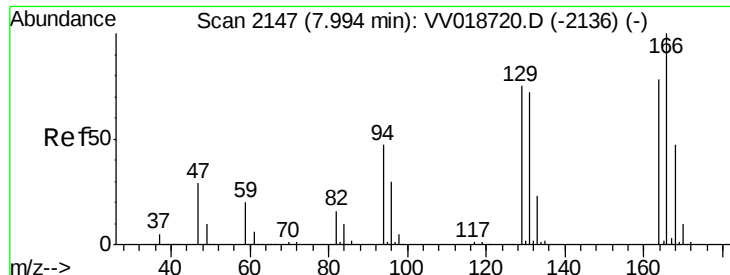


#34

Trichloroethene
Concen: 28.949 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV018728.D
Acq: 07 Oct 2020 14:25

Tgt Ion: 95 Resp: 68827
Ion Ratio Lower Upper
95 100
97 63.0 45.9 85.3
132 95.5 70.8 131.4
130 95.9 75.3 139.8





#46

Tetrachloroethene

Concen: 17.710 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018728.D

Acq: 07 Oct 2020 14:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 34160

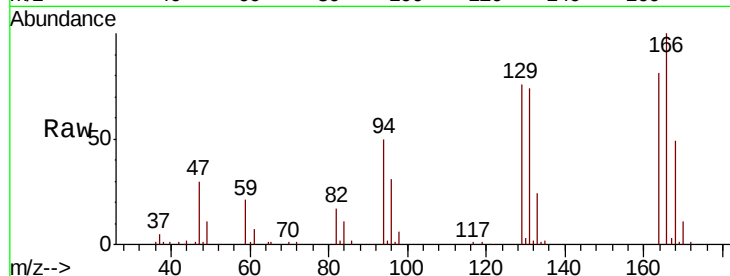
Ion Ratio Lower Upper

164 100

129 94.3 62.8 116.6

131 91.3 60.8 112.8

166 123.3 88.9 165.1

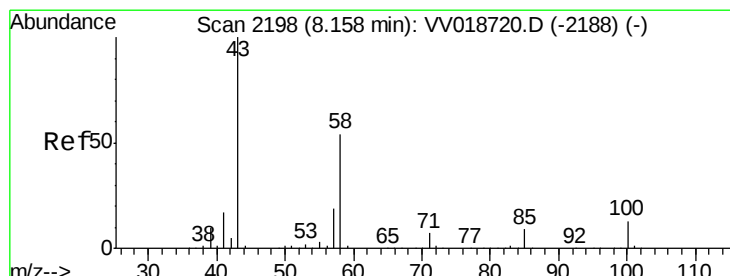
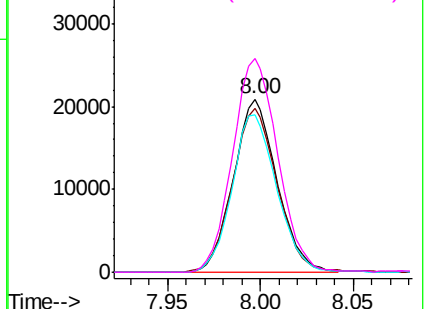
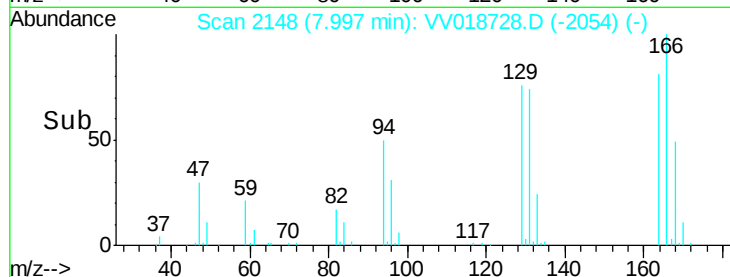


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 5.770 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018728.D

Acq: 07 Oct 2020 14:25

Tgt Ion: 43 Resp: 12205

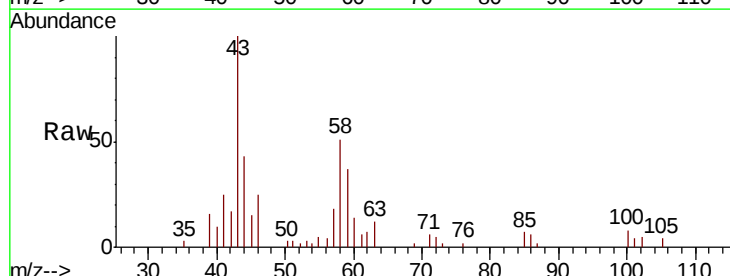
Ion Ratio Lower Upper

43 100

58 25.8 45.1 67.7#

57 12.8 15.7 23.5#

100 3.1 11.0 16.4#

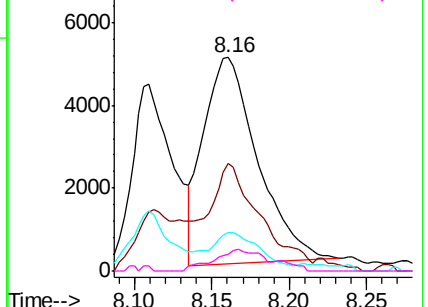
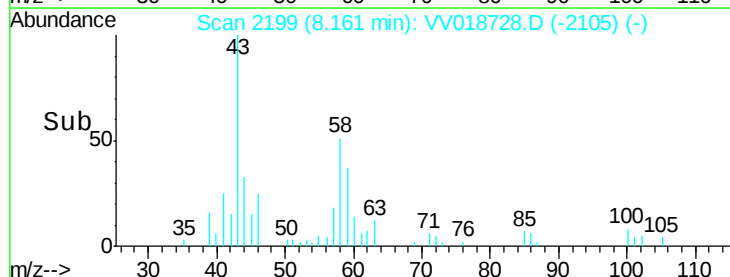


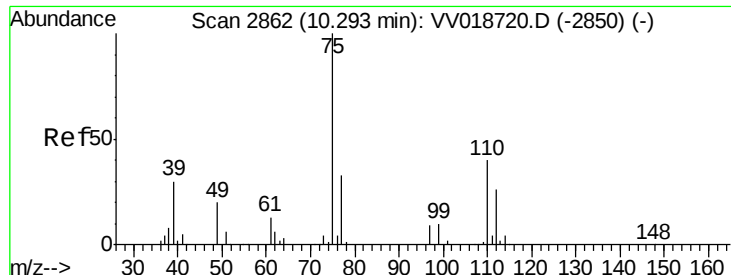
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#59

1,2,3-Trichloropropane

Concen: 6.089 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018728.D

Acq: 07 Oct 2020 14:25

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 15561

Ion Ratio Lower Upper

75 100

77 37.0 25.4 38.0

