

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101320\
 Data File : VV018883.D
 Acq On : 13 Oct 2020 17:25
 Operator : SY/MD
 Sample : L4351-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH9

Quant Time: Oct 14 01:36:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 01:28:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	340097	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	334146	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	156201	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	117655	38.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.14%
7) Chloroethane-d5	1.58	69	97010	39.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.00%
11) 1,1-Dichloroethene-d2	2.12	63	189387	31.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.58%
21) 2-Butanone-d5	3.91	46	187770	98.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.96%
24) Chloroform-d	4.37	84	225569	41.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.74%
26) 1,2-Dichloroethane-d4	5.05	65	157492	42.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.22%
32) Benzene-d6	5.07	84	449053	41.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.52%
36) 1,2-Dichloropropane-d6	6.09	67	147551	42.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.16%
41) Toluene-d8	7.34	98	389168	40.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.54%
43) trans-1,3-Dichloropropene-	7.64	79	66761	38.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.90%
47) 2-Hexanone-d5	8.11	63	98310	80.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	172110	42.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	158735	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%

Target Compounds

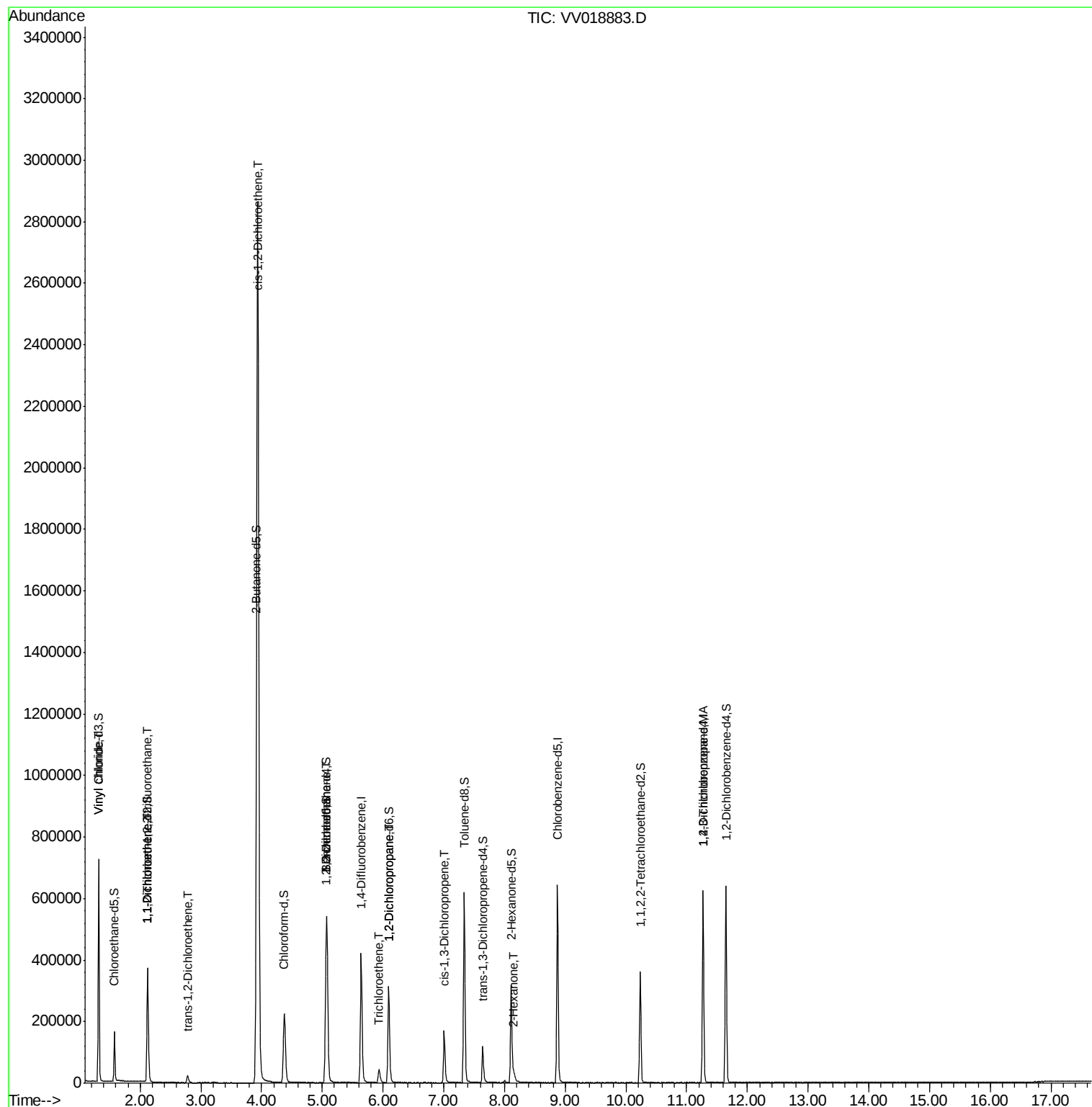
					Ovalue
5) Vinyl chloride	1.32	62	323954	107.881	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1761	0.720	ug/L # 19
12) 1,1-Dichloroethene	2.13	96	24702	10.494	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	7071	2.846	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	1520770	579.162	ug/L 99
27) 1,2-Dichloroethane	5.08	62	3059	0.751	ug/L 99
34) Trichloroethene	5.94	95	8593	2.816	ug/L 99
37) 1,2-Dichloropropane	6.09	63	16329	5.608	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	4526	1.100	ug/L # 73
48) 2-Hexanone	8.16	43	13593	4.550	ug/L # 80
59) 1,2,3-Trichloropropane	11.27	75	19131	5.521	ug/L 91

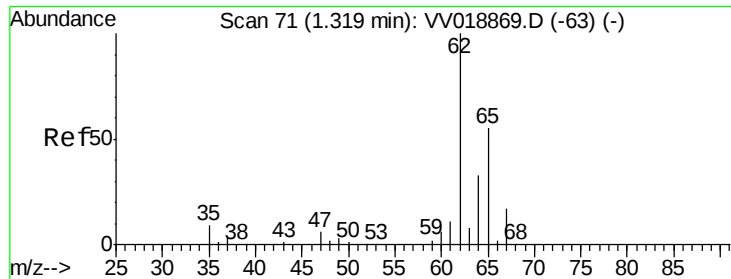
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 107.881 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018883.D

Acq: 13 Oct 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

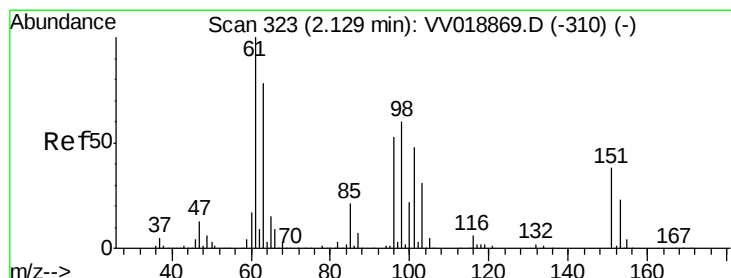
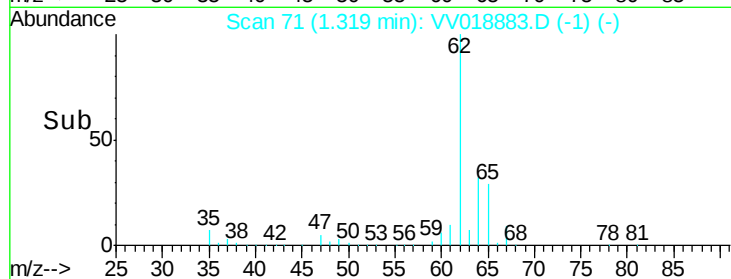
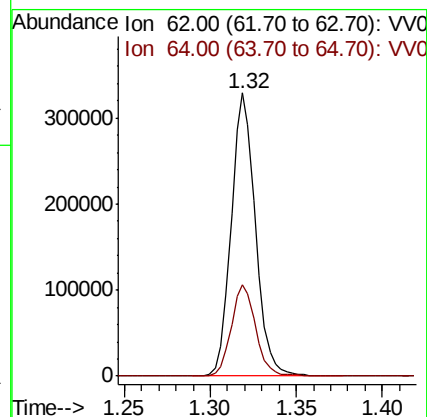
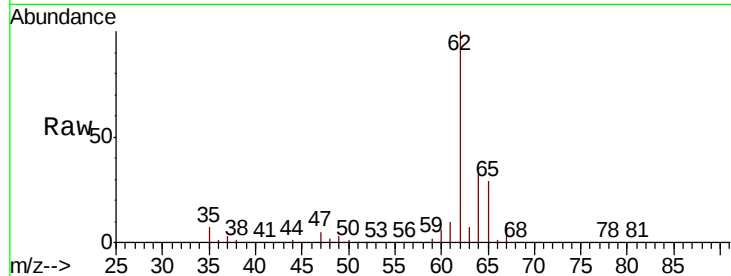
C0AH9

Tot Ion: 62 Resp: 323954

Ion Ratio Lower Upper

62 100

64 32.4 23.2 43.0



#10

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

Concen: 0.720 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018883.D

Acq: 13 Oct 2020 17:25

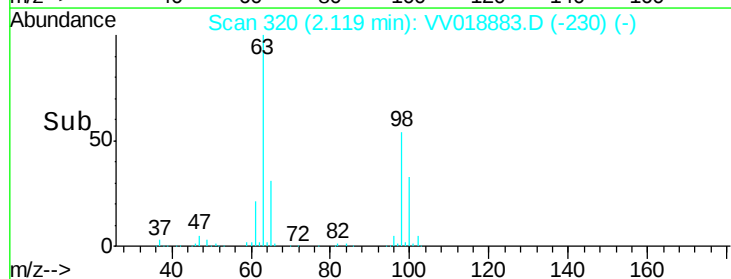
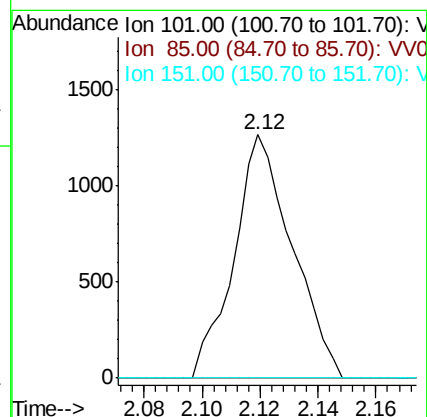
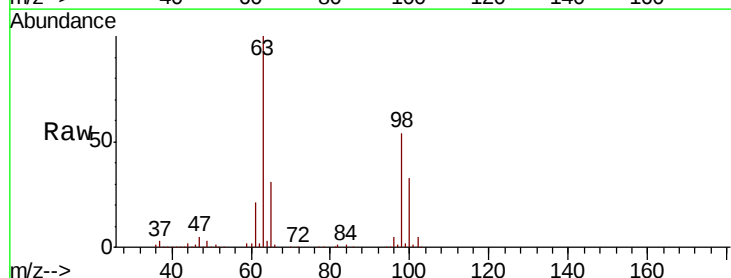
Tgt Ion:101 Resp: 1761

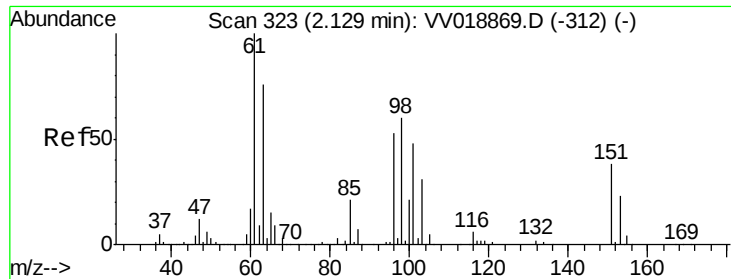
Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

151 0.0 59.8 89.8#





#12

1,1-Dichloroethene

Concen: 10.494 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018883.D

Acq: 13 Oct 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

C0AH9

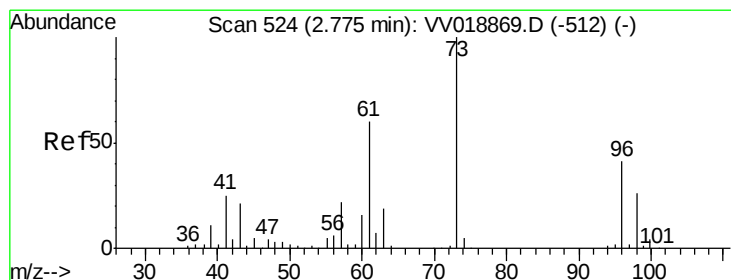
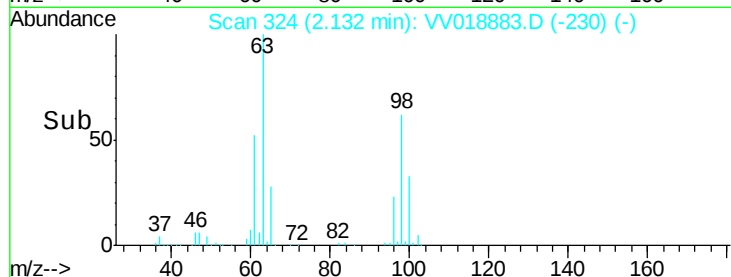
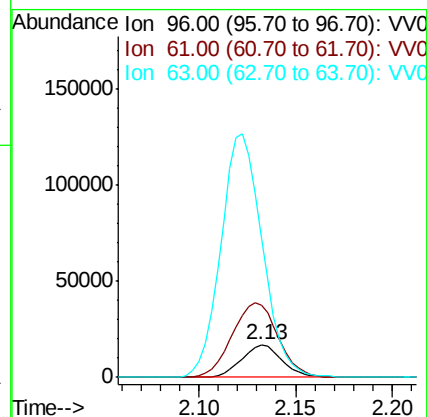
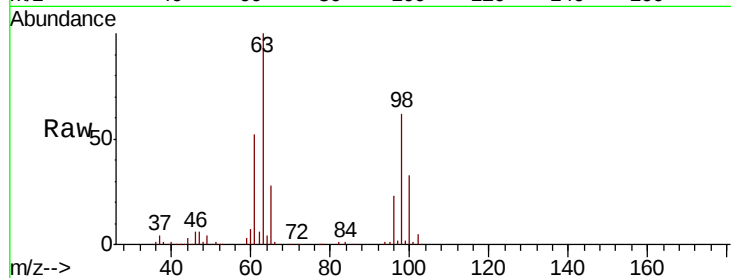
Tot Ion: 96 Resp: 24702

Ion Ratio Lower Upper

96 100

61 220.8 133.6 248.0

63 426.0 108.4 201.4#



#17

trans-1,2-Dichloroethene

Concen: 2.846 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV018883.D

Acq: 13 Oct 2020 17:25

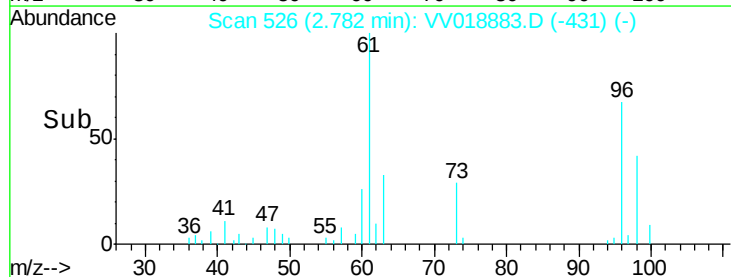
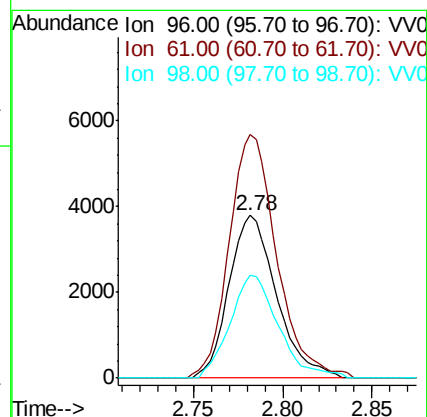
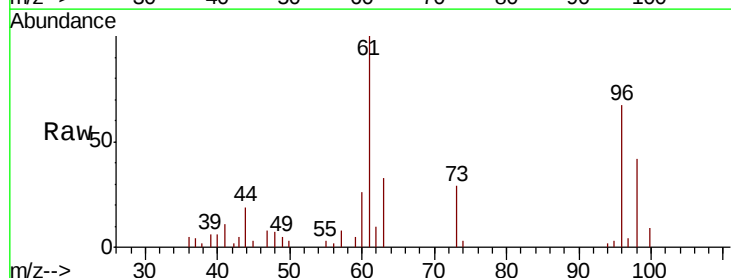
Tgt Ion: 96 Resp: 7071

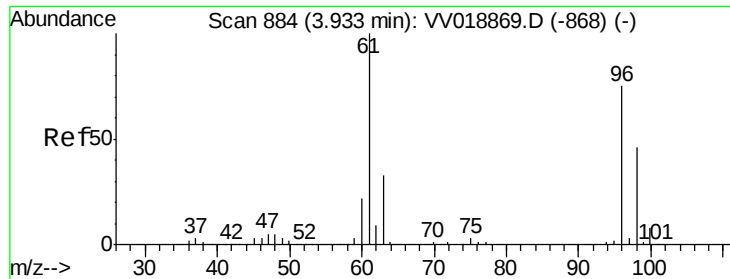
Ion Ratio Lower Upper

96 100

61 149.4 105.7 196.3

98 62.8 44.7 83.1

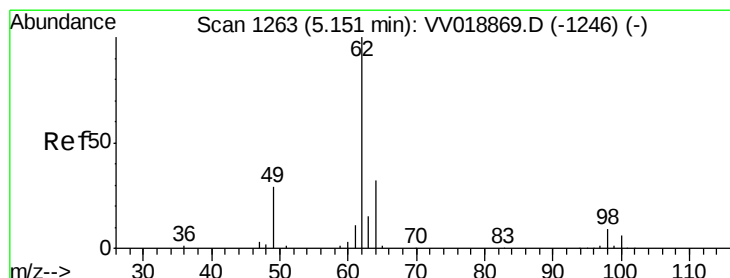
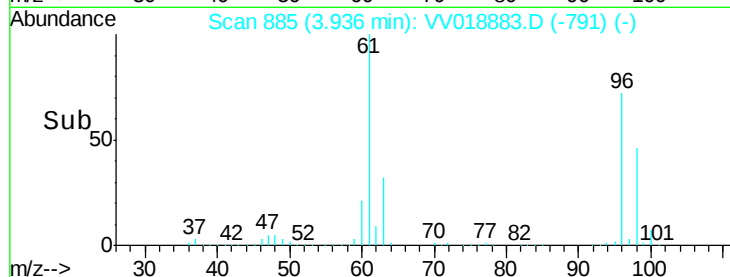
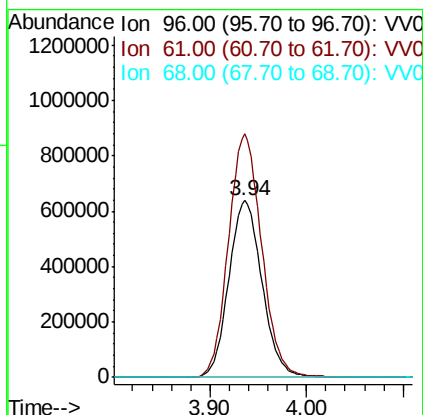
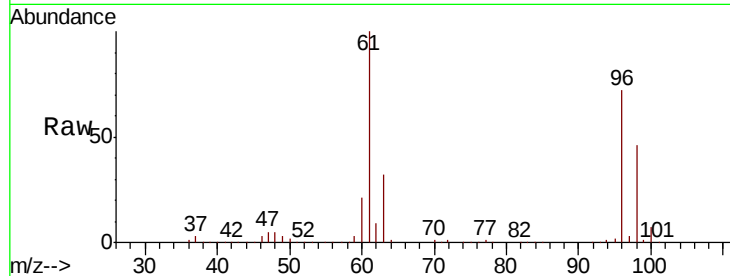




#20
 cis-1,2-Dichloroethene
 Concen: 579.162 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018883.D
 Acq: 13 Oct 2020 17:25

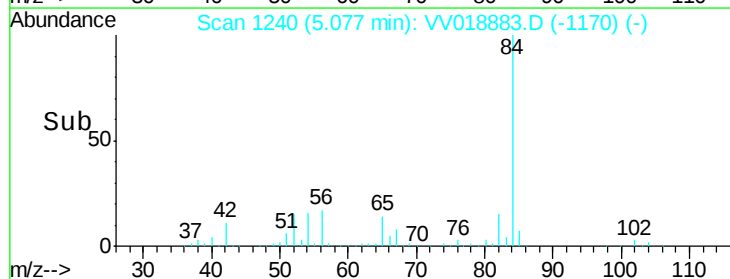
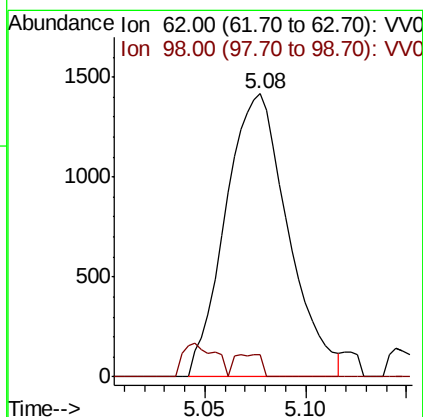
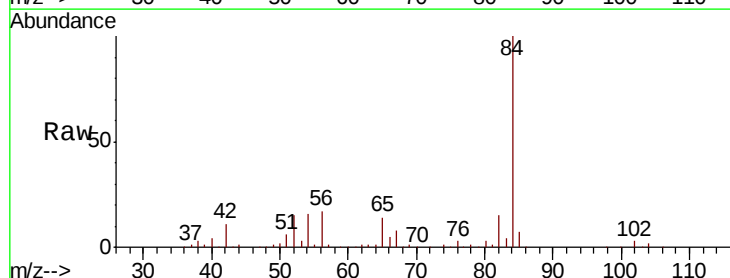
Instrument :
 MSVOA_V
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 C0AH9

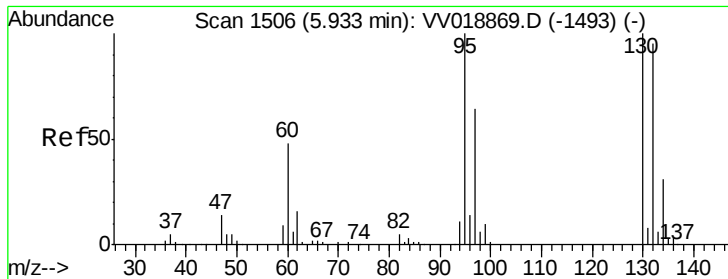
Tot Ion: 96 Resp: 1520770
 Ion Ratio Lower Upper
 96 100
 61 137.9 97.3 180.7
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.751 ug/L
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.07 min
 Lab File: VV018883.D
 Acq: 13 Oct 2020 17:25

Tgt Ion: 62 Resp: 3059
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.6 10.0





#34

Trichloroethene

Concen: 2.816 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018883.D

Acq: 13 Oct 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

C0AH9

Tot Ion: 95 Resp: 8593

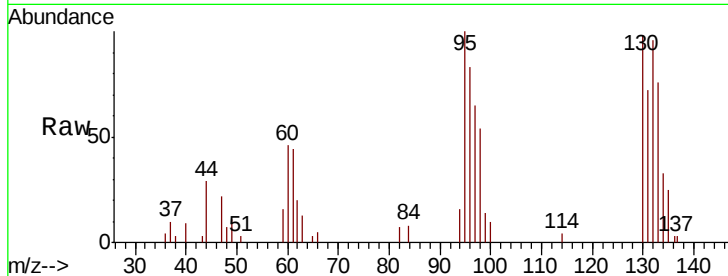
Ion Ratio Lower Upper

95 100

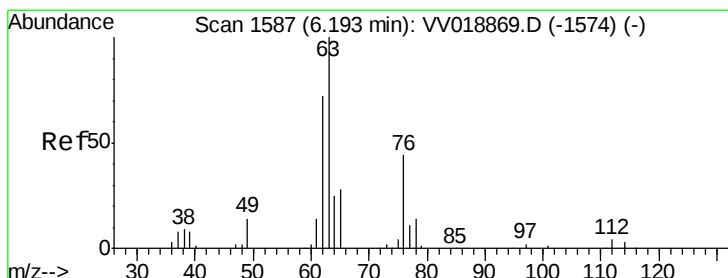
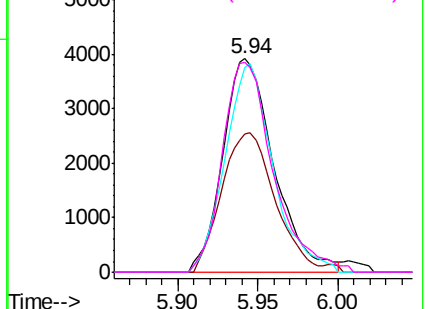
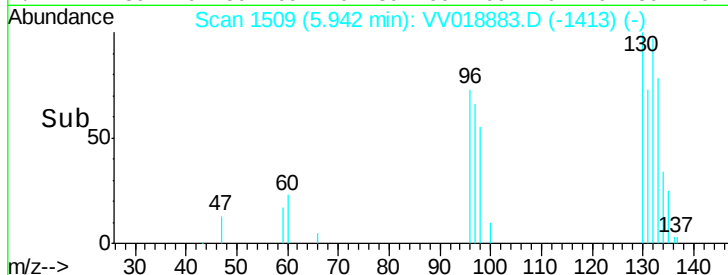
97 64.7 45.1 83.9

132 95.8 66.2 123.0

130 98.3 69.1 128.3



Abundance Ion 95.00 (94.70 to 95.70): VV018883.D (-1413) (-)



#37

1,2-Dichloropropane

Concen: 5.608 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018883.D

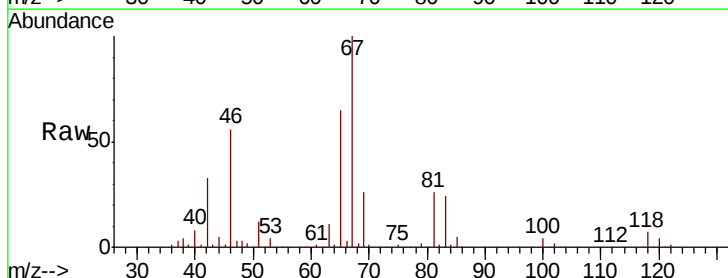
Acq: 13 Oct 2020 17:25

Tgt Ion: 63 Resp: 16329

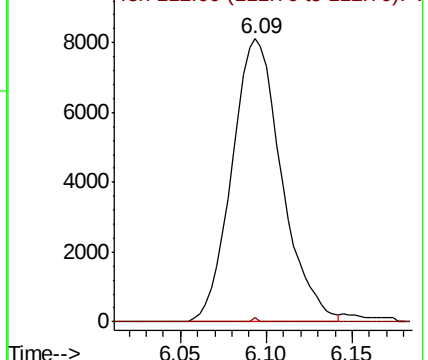
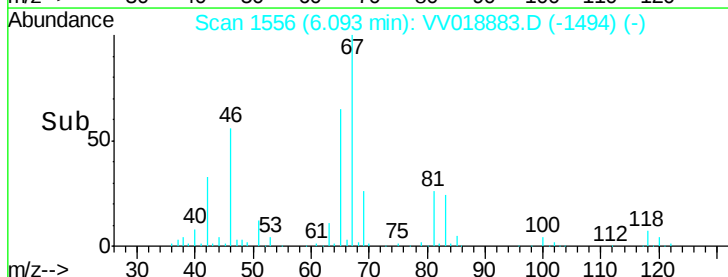
Ion Ratio Lower Upper

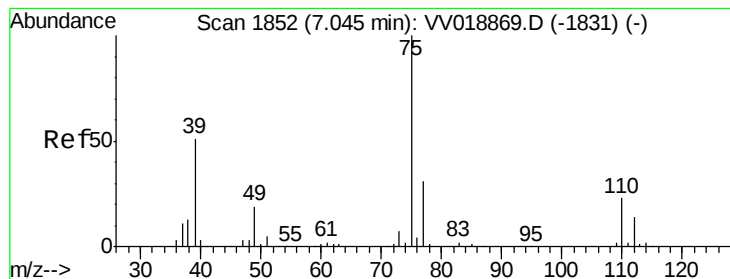
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV018883.D (-1494) (-)



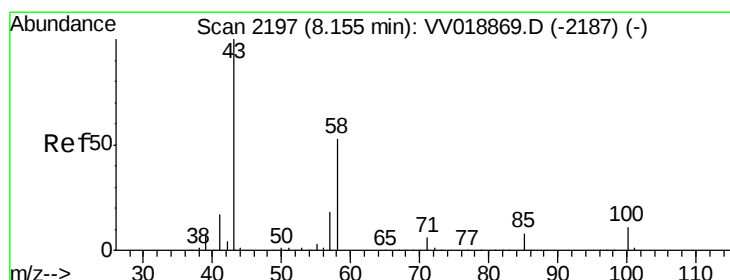
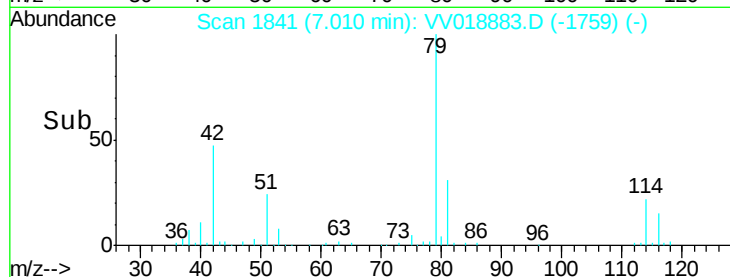
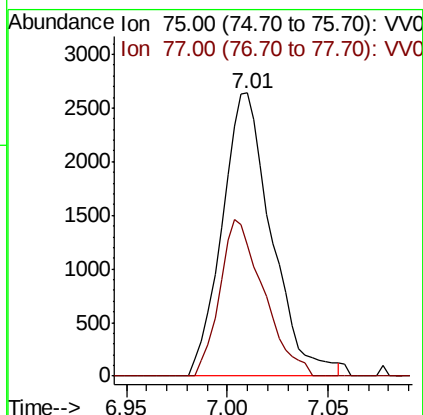
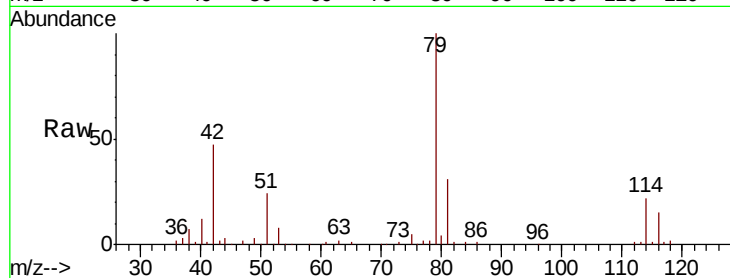


#39

cis-1,3-Dichloropropene
 Concen: 1.100 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018883.D
 Acq: 13 Oct 2020 17:25

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH9

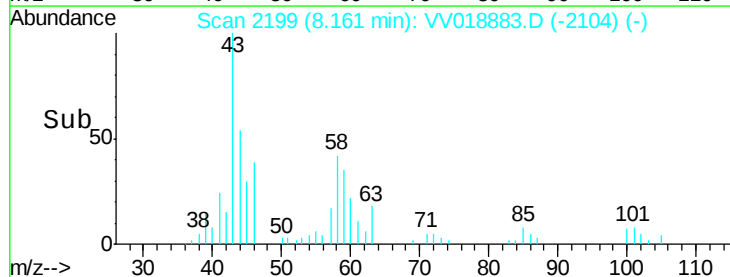
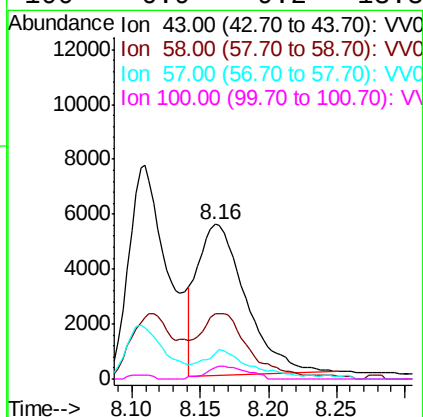
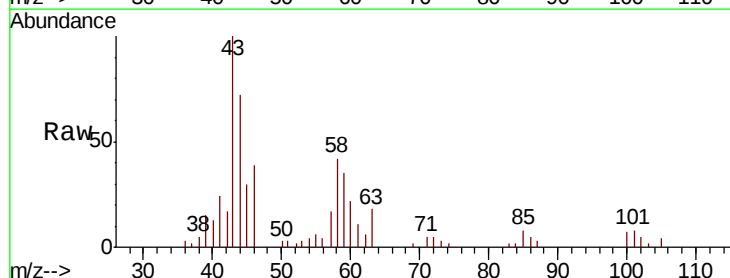
Tot Ion: 75 Resp: 4526
 Ion Ratio Lower Upper
 75 100
 77 46.3 21.8 40.6#

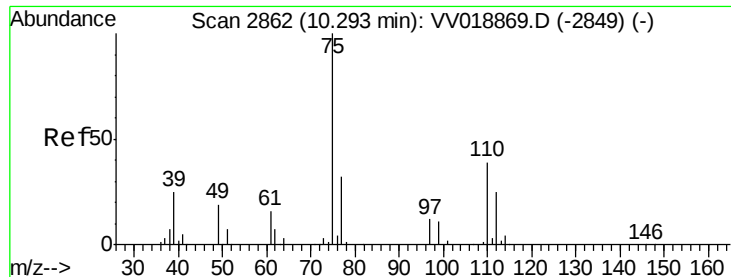


#48

2-Hexanone
 Concen: 4.550 ug/L
 RT: 8.16 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: VV018883.D
 Acq: 13 Oct 2020 17:25

Tgt Ion: 43 Resp: 13593
 Ion Ratio Lower Upper
 43 100
 58 36.1 41.8 62.8#
 57 11.2 14.9 22.3#
 100 6.9 9.2 13.8#





#59

1,2,3-Trichloropropane

Concen: 5.521 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018883.D

Acq: 13 Oct 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

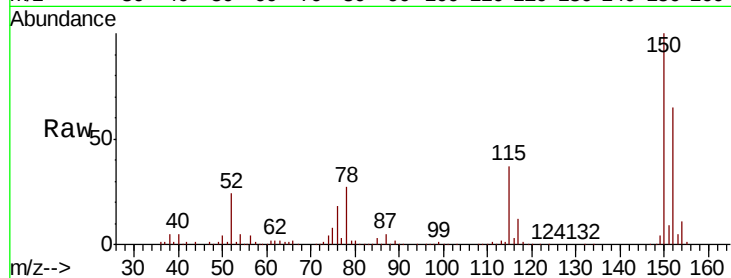
C0AH9

Tot Ion: 75 Resp: 19131

Ion Ratio Lower Upper

75 100

77 37.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

