

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101320\
 Data File : VV018878.D
 Acq On : 13 Oct 2020 15:23
 Operator : SY/MD
 Sample : L4289-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AJ0

Quant Time: Oct 14 01:36:13 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	305315	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	302500	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	142589	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	104644	37.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.44%
7) Chloroethane-d5	1.58	69	85018	38.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.14%
11) 1,1-Dichloroethene-d2	2.12	63	153197	28.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.28%#
21) 2-Butanone-d5	3.91	46	148989	87.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.47%
24) Chloroform-d	4.37	84	191415	39.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.22%
26) 1,2-Dichloroethane-d4	5.05	65	132095	39.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.62%
32) Benzene-d6	5.07	84	381305	39.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.34%
36) 1,2-Dichloropropane-d6	6.09	67	124368	39.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.36%
41) Toluene-d8	7.34	98	329227	38.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.20%#
43) trans-1,3-Dichloropropene-	7.64	79	54530	35.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.28%
47) 2-Hexanone-d5	8.11	63	78094	70.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	70.19%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	140567	38.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	134433	42.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

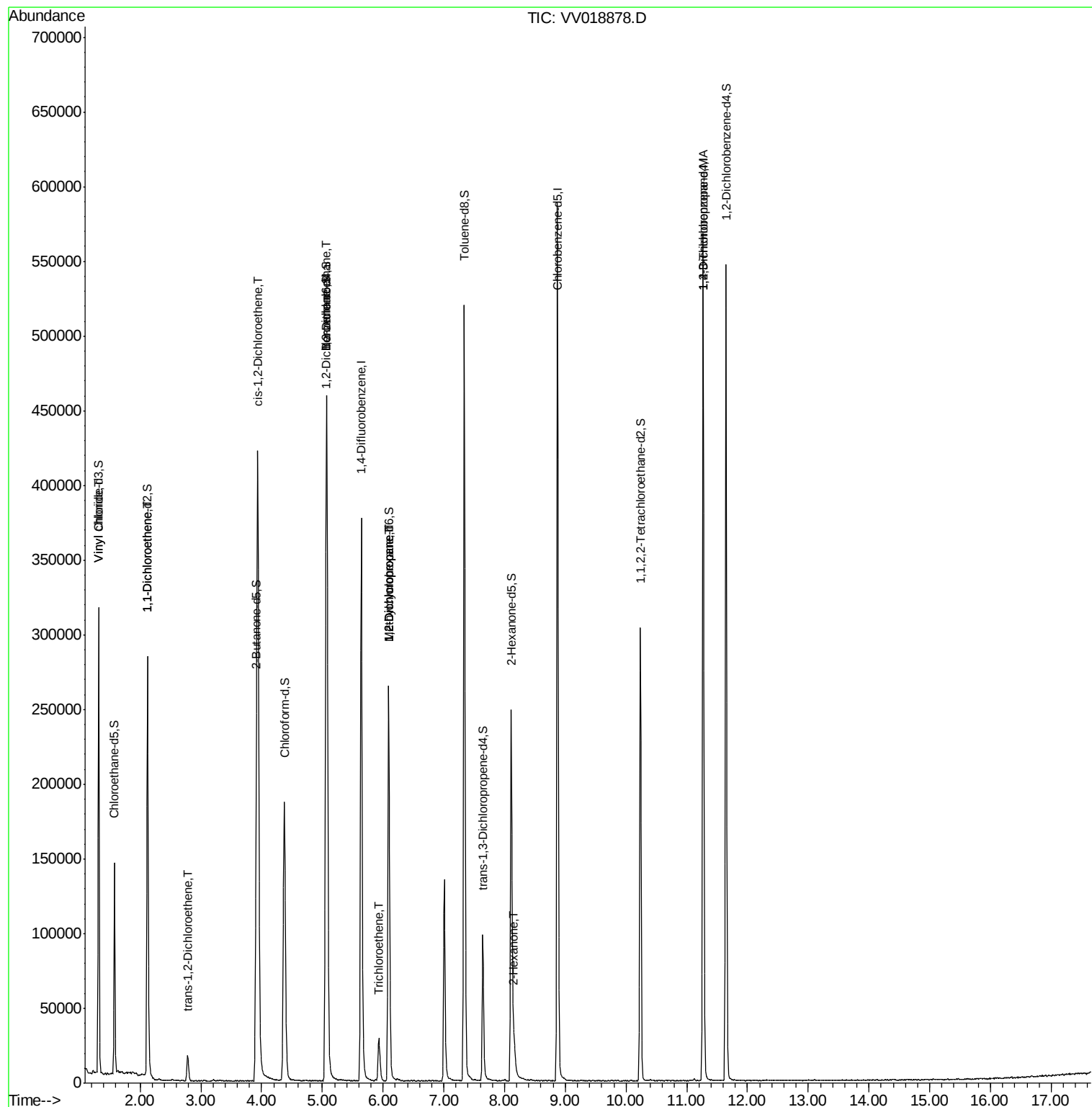
					Ovalue
5) Vinyl chloride	1.32	62	94626	35.102	ug/L 100
12) 1,1-Dichloroethene	2.13	96	2935	1.389	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	4123	1.849	ug/L 93
20) cis-1,2-Dichloroethene	3.94	96	214577	91.028	ug/L 99
27) 1,2-Dichloroethane	5.07	62	2436	0.666	ug/L 97
34) Trichloroethene	5.94	95	2670	0.967	ug/L 90
35) Methylcyclohexane	6.09	83	29736	8.798	ug/L # 16
37) 1,2-Dichloropropane	6.09	63	14444	5.479	ug/L # 87
48) 2-Hexanone	8.16	43	13277	4.909	ug/L # 91
59) 1,2,3-Trichloropropane	11.27	75	17549	5.595	ug/L 90

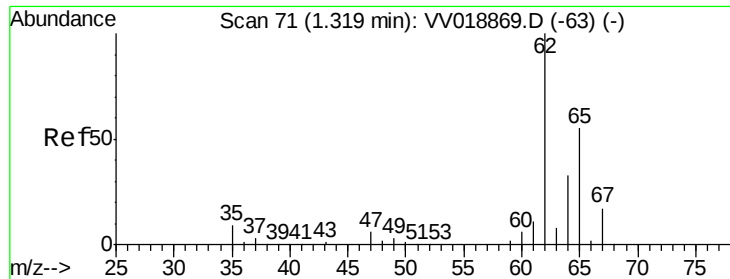
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Oct 14 01:28:12 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 35.102 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018878.D

Acq: 13 Oct 2020 15:23

Instrument :

MSVOA_V

ClientSampleId :

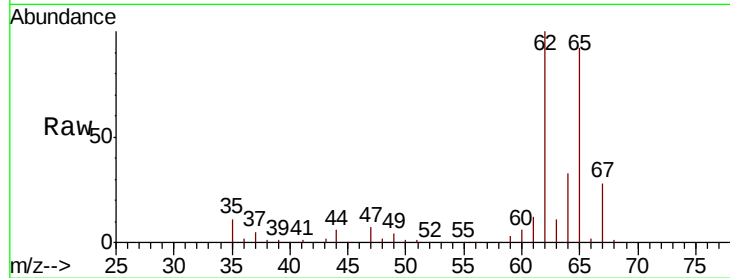
C0AJ0

Tot Ion: 62 Resp: 94626

Ion Ratio Lower Upper

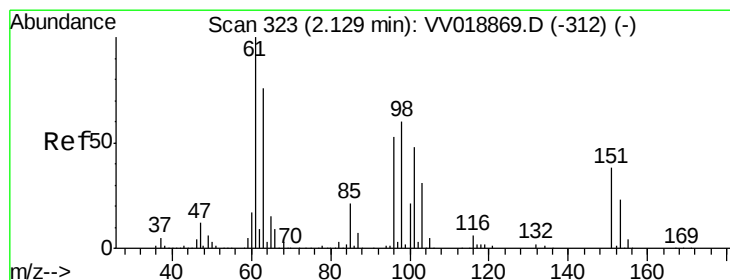
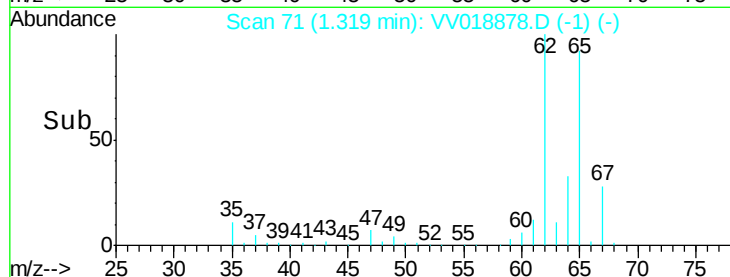
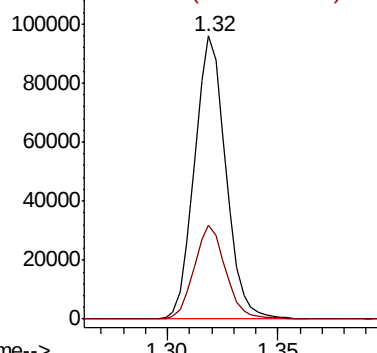
62 100

64 33.0 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 1.389 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018878.D

Acq: 13 Oct 2020 15:23

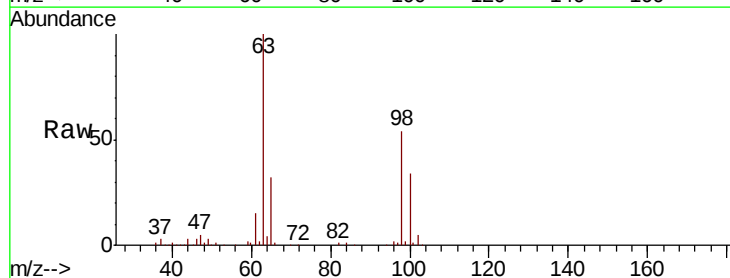
Tgt Ion: 96 Resp: 2935

Ion Ratio Lower Upper

96 100

61 669.3 133.6 248.0#

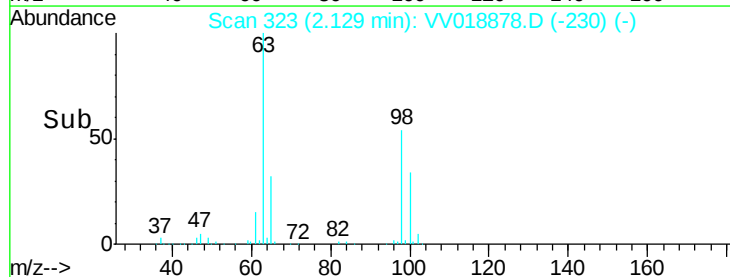
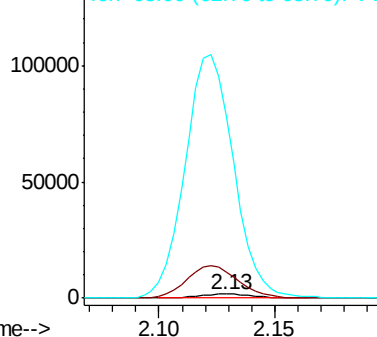
63 4613.0 108.4 201.4#

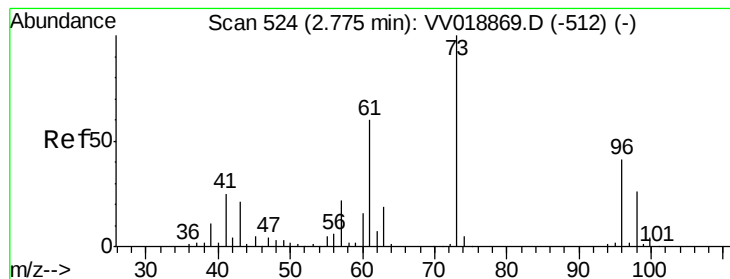


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 1.849 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV018878.D

Acq: 13 Oct 2020 15:23

Instrument :

MSVOA_V

ClientSampleID :

C0AJ0

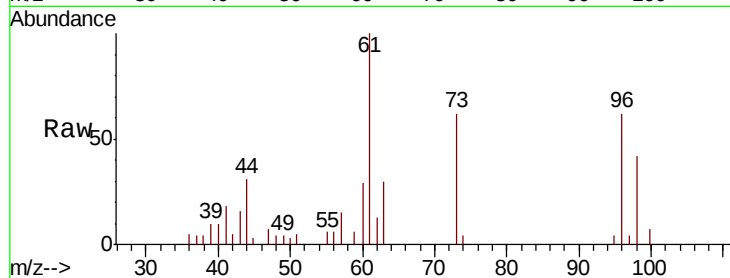
Tot Ion: 96 Resp: 4123

Ion Ratio Lower Upper

96 100

61 162.0 105.7 196.3

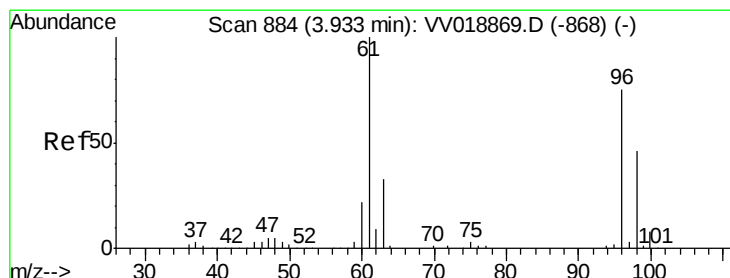
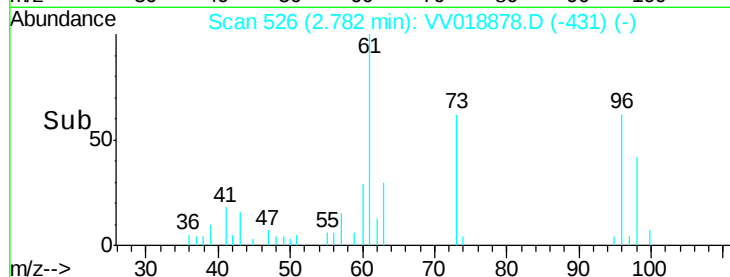
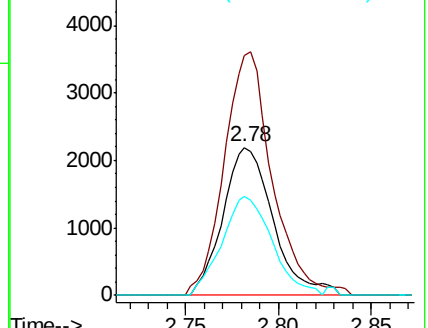
98 67.3 44.7 83.1



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: 91.028 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018878.D

Acq: 13 Oct 2020 15:23

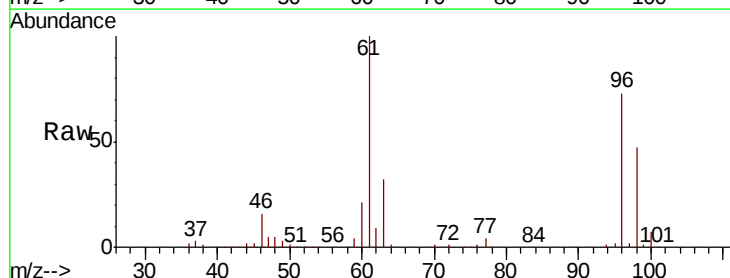
Tgt Ion: 96 Resp: 214577

Ion Ratio Lower Upper

96 100

61 137.4 97.3 180.7

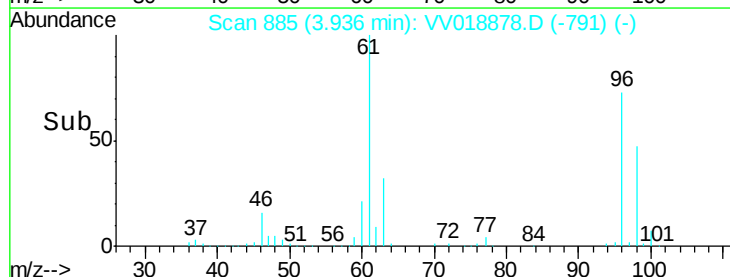
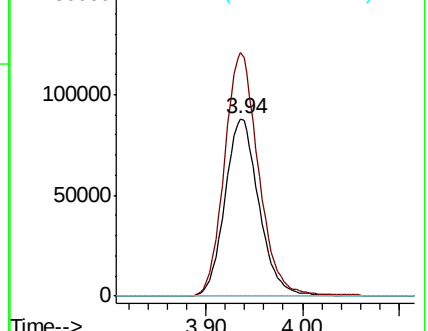
68 0.0 0.0 0.0

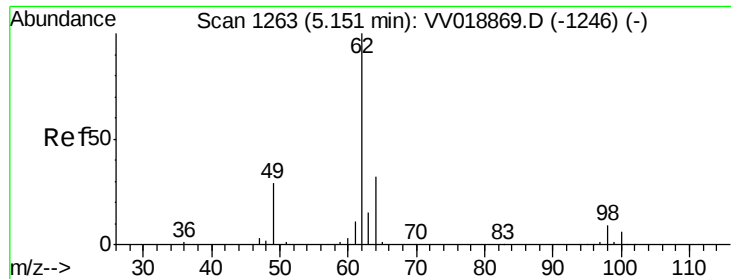


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

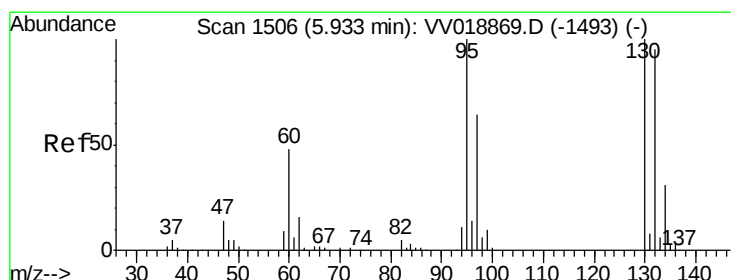
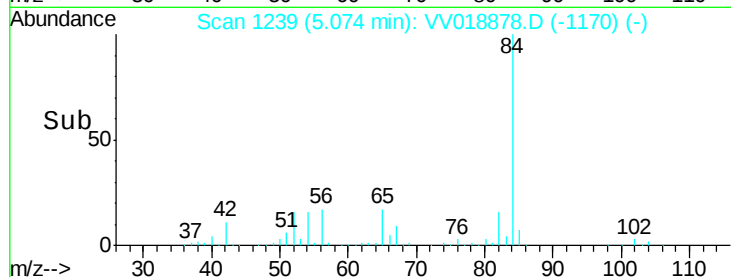
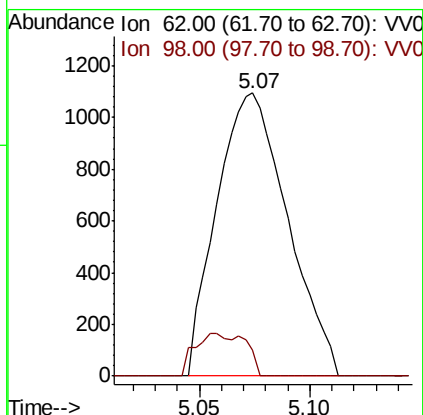
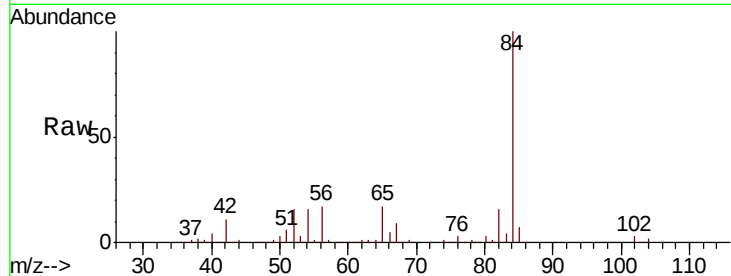




#27
 1,2-Dichloroethane
 Concen: 0.666 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV018878.D
 Acq: 13 Oct 2020 15:23

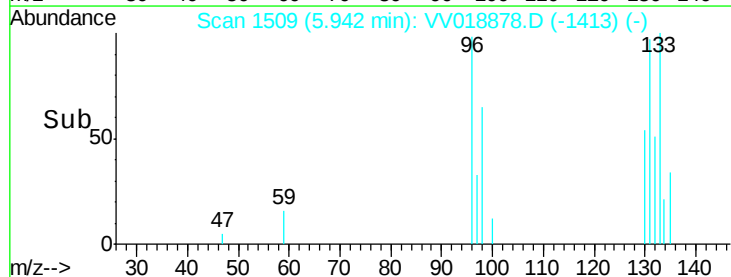
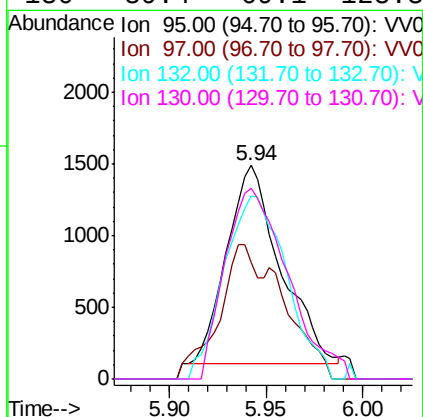
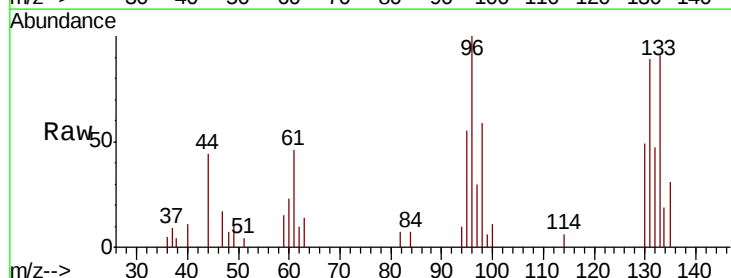
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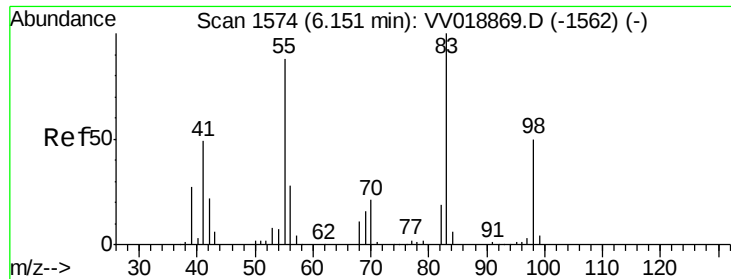
Tot Ion: 62 Resp: 2436
 Ion Ratio Lower Upper
 62 100
 98 9.4 6.6 10.0



#34
 Trichloroethene
 Concen: 0.967 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV018878.D
 Acq: 13 Oct 2020 15:23

Tgt Ion: 95 Resp: 2670
 Ion Ratio Lower Upper
 95 100
 97 54.8 45.1 83.9
 132 85.7 66.2 123.0
 130 89.4 69.1 128.3

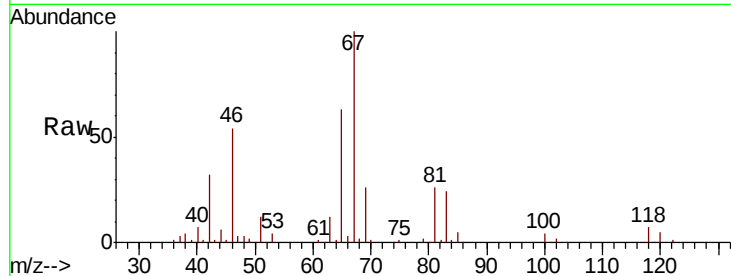




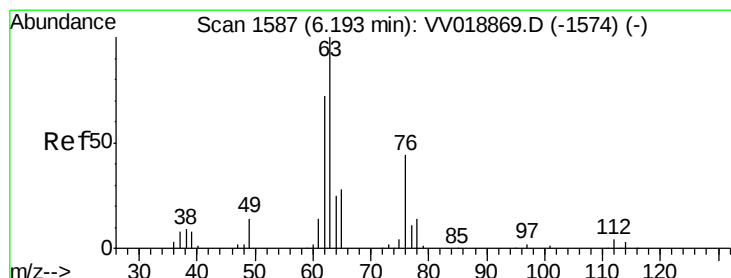
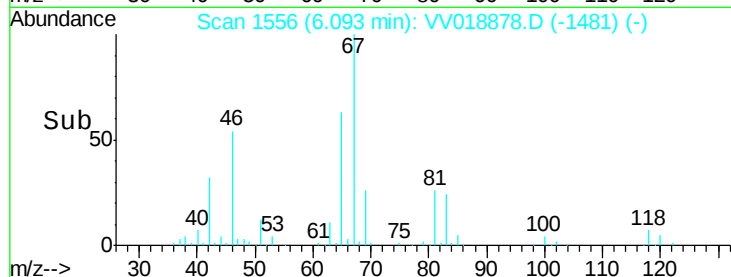
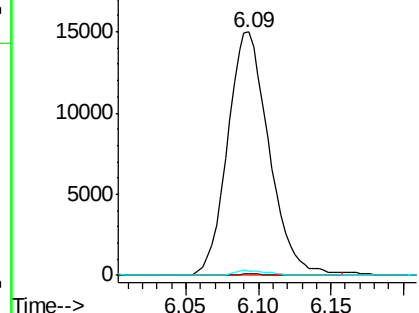
#35
Methvlcvclohexane
Concen: 8.798 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018878.D
Acq: 13 Oct 2020 15:23

Instrument :
MSVOA_V
ClientSampleId :
C0AJ0

Tot Ion: 83 Resp: 29736
Ion Ratio Lower Upper
83 100
55 0.3 67.0 100.4#
98 1.6 38.8 58.2#

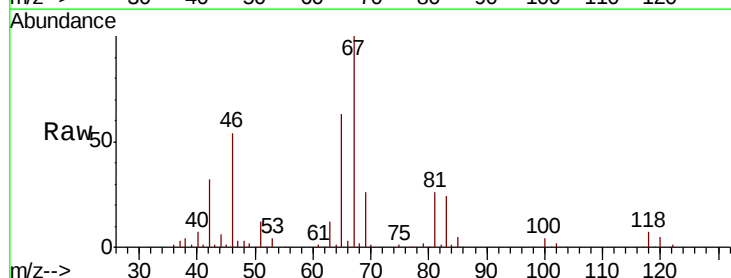


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

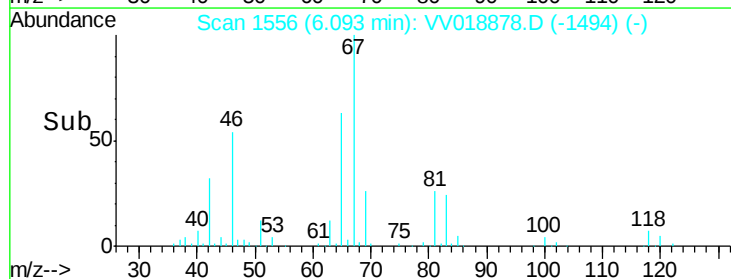
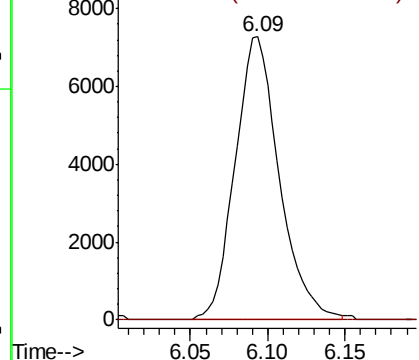


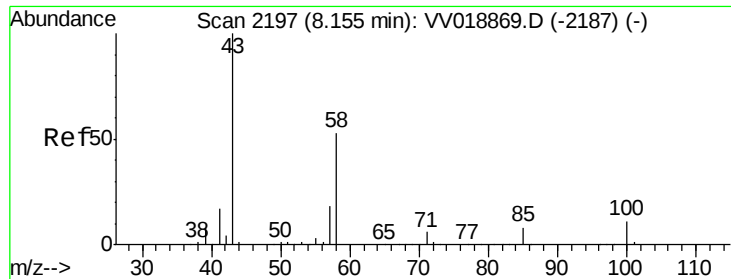
#37
1,2-Dichloropropane
Concen: 5.479 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV018878.D
Acq: 13 Oct 2020 15:23

Tgt Ion: 63 Resp: 14444
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

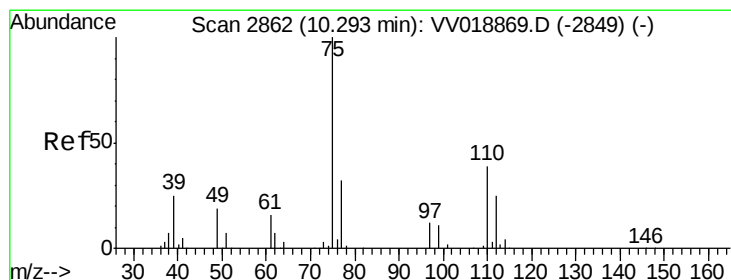
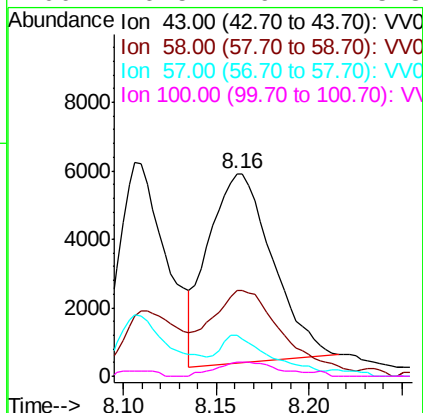
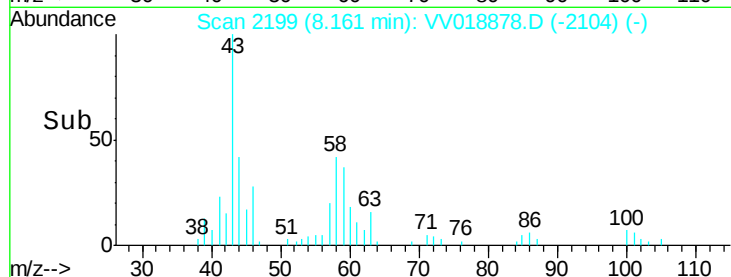
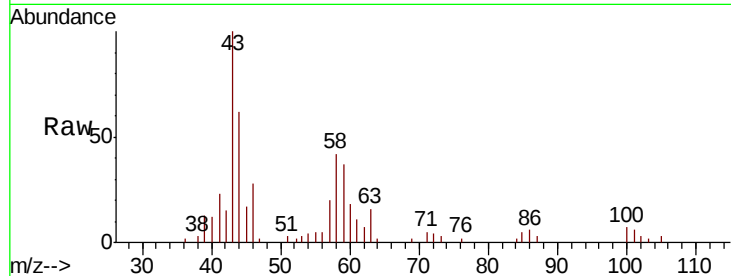




#48
2-Hexanone
Concen: 4.909 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV018878.D
Acq: 13 Oct 2020 15:23

Instrument :
MSVOA_V
ClientSampled :
C0AJ0

Tot Ion: 43 Resp: 13277
Ion Ratio Lower Upper
43 100
58 46.4 41.8 62.8
57 15.2 14.9 22.3
100 6.5 9.2 13.8#



#59
1,2,3-Trichloropropane
Concen: 5.595 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV018878.D
Acq: 13 Oct 2020 15:23

Tgt Ion: 75 Resp: 17549
Ion Ratio Lower Upper
75 100
77 38.0 25.9 38.9

