

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080820\
 Data File : VV017876.D
 Acq On : 09 Aug 2020 00:02
 Operator : SY/MD
 Sample : L3608-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L93

Quant Time: Aug 10 05:13:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 10 05:09:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	225812	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	219057	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111431	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	58540	50.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.40%
7) Chloroethane-d5	1.58	69	49201	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.32%
11) 1,1-Dichloroethene-d2	2.12	63	104170	37.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.36%
21) 2-Butanone-d5	3.91	46	84779	116.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.10%
24) Chloroform-d	4.37	84	150810	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	5.06	65	117195	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
32) Benzene-d6	5.08	84	257087	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.64%
36) 1,2-Dichloropropane-d6	6.09	67	68526	53.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.86%
41) Toluene-d8	7.34	98	249043	48.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.96%
43) trans-1,3-Dichloropropene-	7.64	79	35462	42.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.88%
47) 2-Hexanone-d5	8.11	63	51806	111.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.52%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	98324	49.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	115711	50.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.88%

Target Compounds

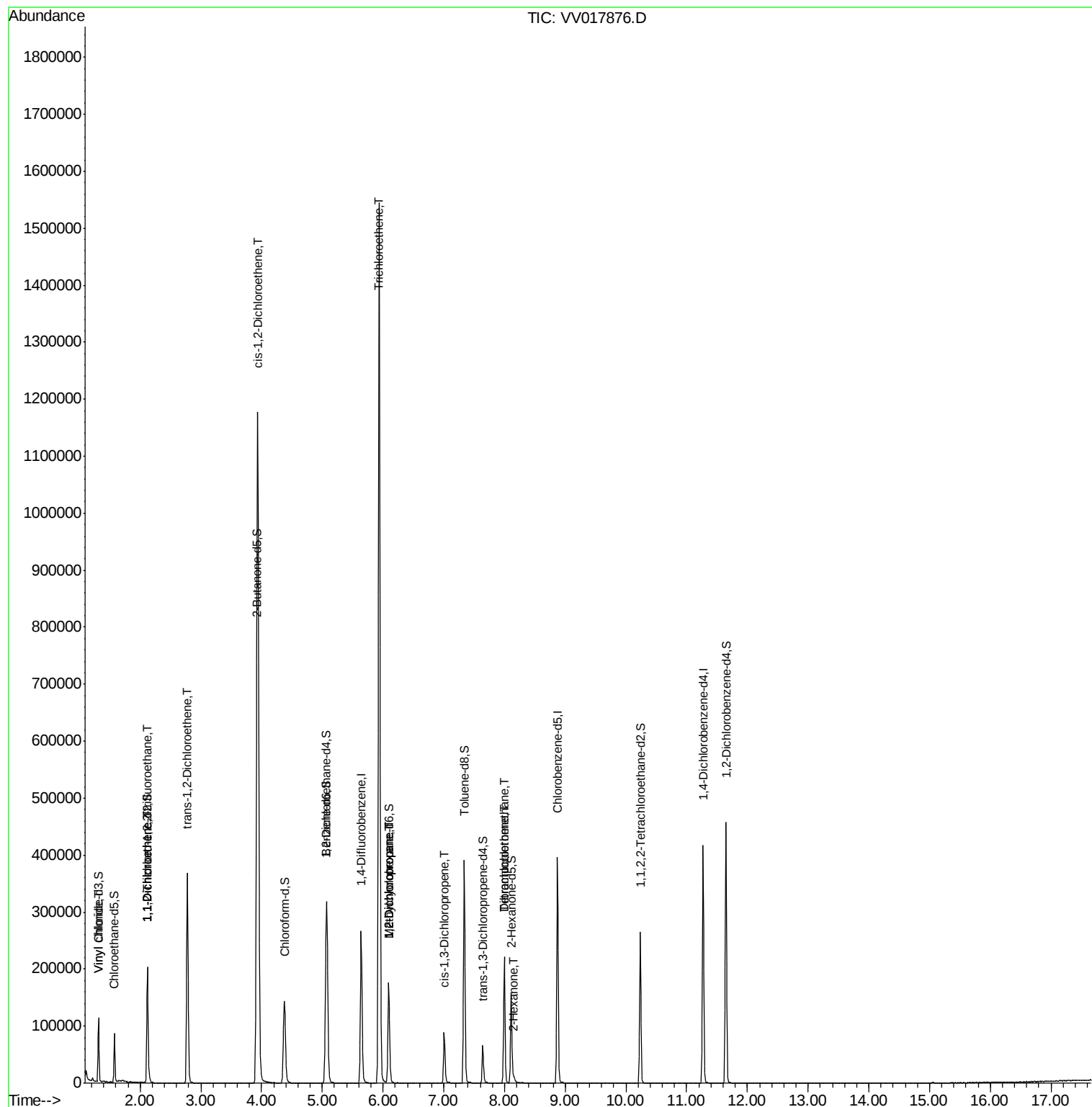
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	5081	3.851	ug/L #	77
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1069	0.741	ug/L #	16
12) 1,1-Dichloroethene	2.13	96	3718	2.795	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	140163	103.227	ug/L	92
20) cis-1,2-Dichloroethene	3.94	96	658576	449.083	ug/L	100
34) Trichloroethene	5.94	95	494407	315.898	ug/L	99
35) Methylcyclohexane	6.09	83	21375	9.590	ug/L #	21
37) 1,2-Dichloropropane	6.09	63	9518	8.401	ug/L #	79
39) cis-1,3-Dichloropropene	7.01	75	2624	1.347	ug/L #	78
46) Tetrachloroethene	8.00	164	47708	32.342	ug/L	94
48) 2-Hexanone	8.16	43	2965	2.396	ug/L #	58
49) Dibromochloromethane	8.00	129	42406	26.725	ug/L #	12

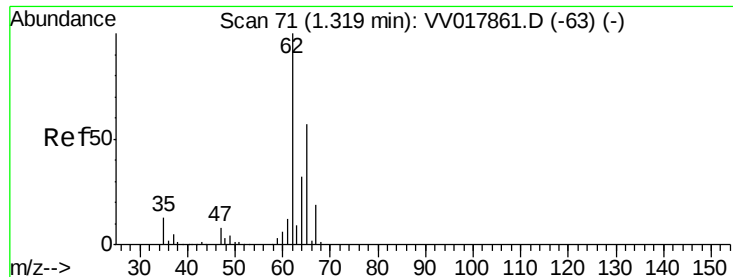
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 10 05:09:16 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.851 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017876.D

Acq: 09 Aug 2020 00:02

Instrument :

MSVOA_V

ClientSampleId :

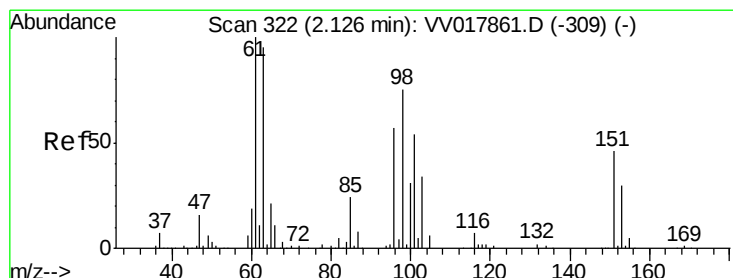
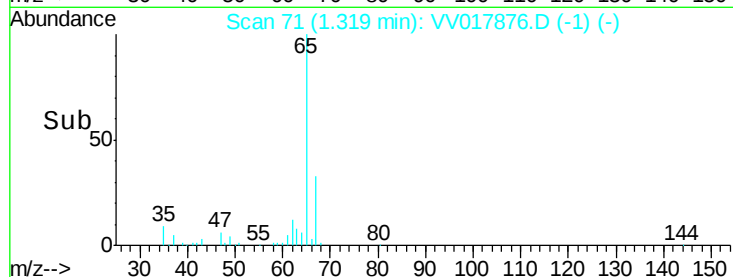
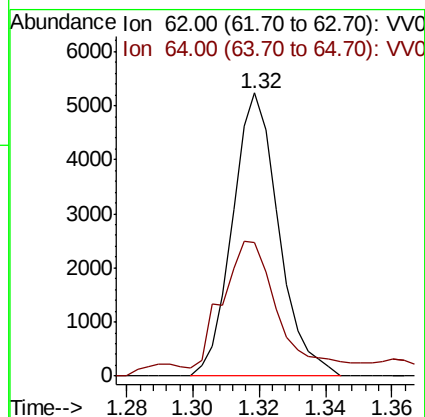
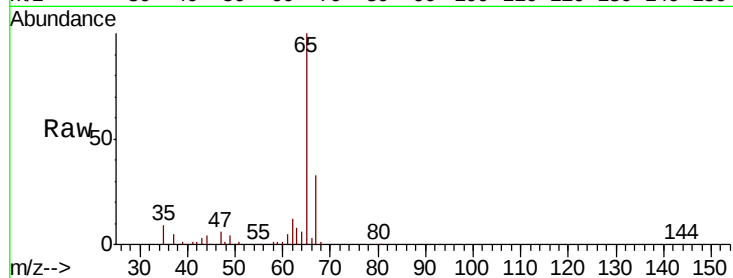
F2L93

Tot Ion: 62 Resp: 5081

Ion Ratio Lower Upper

62 100

64 47.4 24.0 44.6#



#10

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

Concen: 0.741 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017876.D

Acq: 09 Aug 2020 00:02

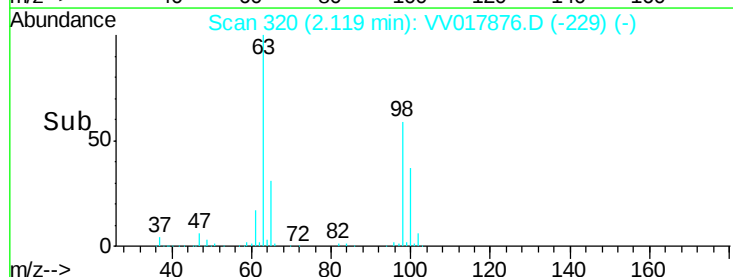
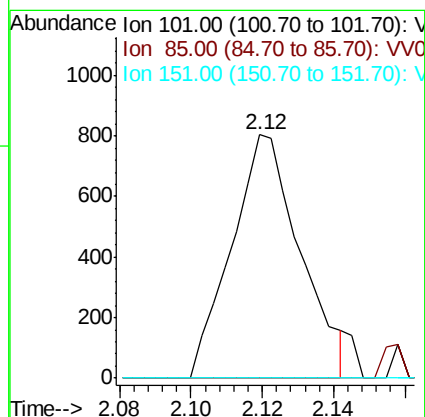
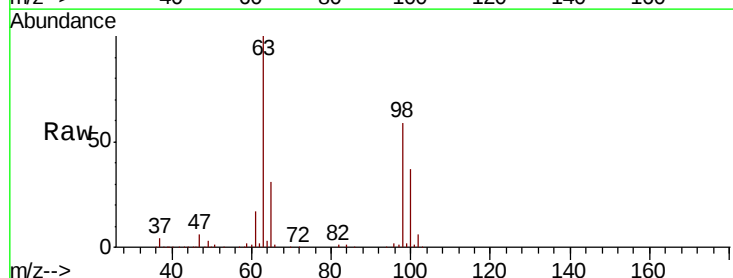
Tgt Ion: 101 Resp: 1069

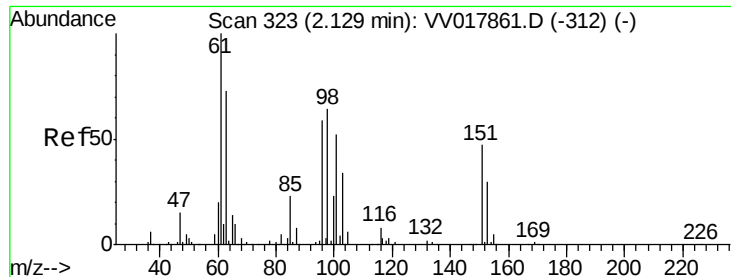
Ion Ratio Lower Upper

101 100

85 3.8 35.0 52.6#

151 0.0 71.0 106.6#





#12

1,1-Dichloroethene

Concen: 2.795 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017876.D

Acq: 09 Aug 2020 00:02

Instrument :

MSVOA_V

ClientSampleId :

F2L93

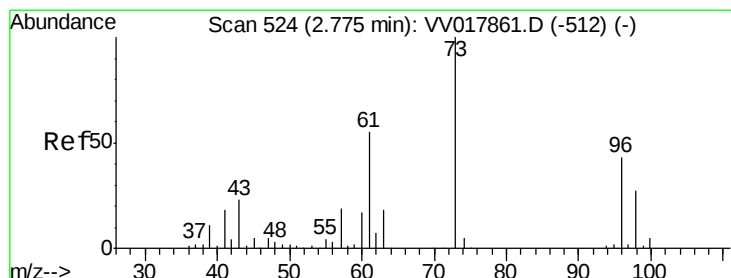
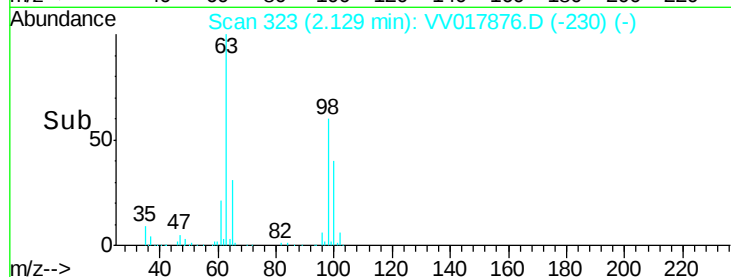
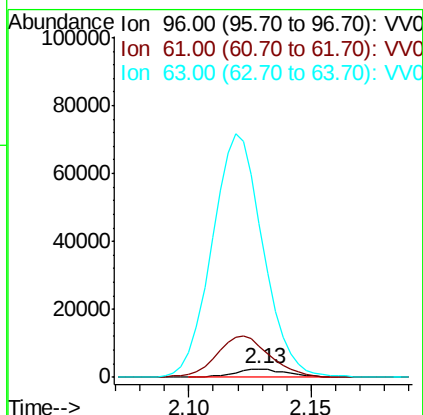
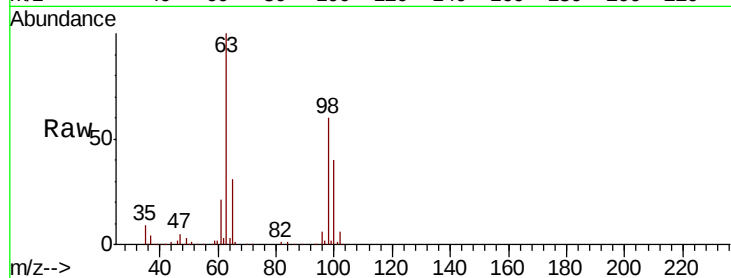
Tot Ion: 96 Resp: 3718

Ion Ratio Lower Upper

96 100

61 373.9 121.1 224.9#

63 1817.4 98.1 182.1#



#17

trans-1,2-Dichloroethene

Concen: 103.227 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017876.D

Acq: 09 Aug 2020 00:02

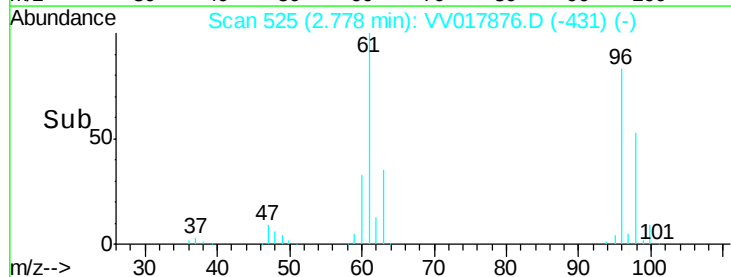
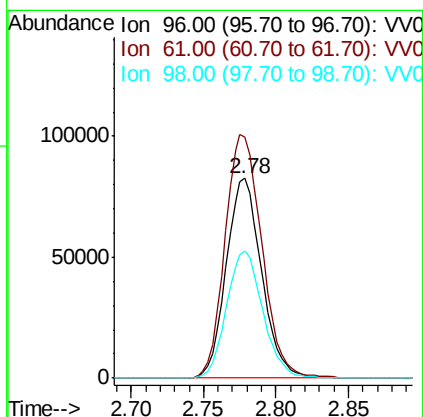
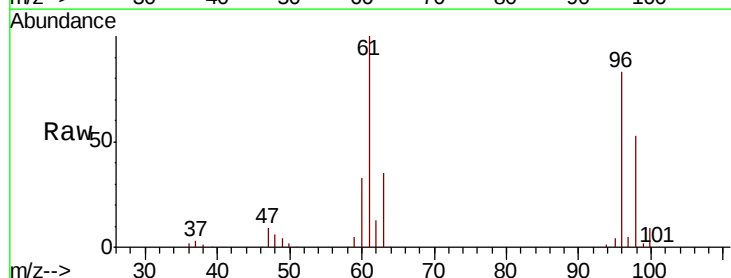
Tgt Ion: 96 Resp: 140163

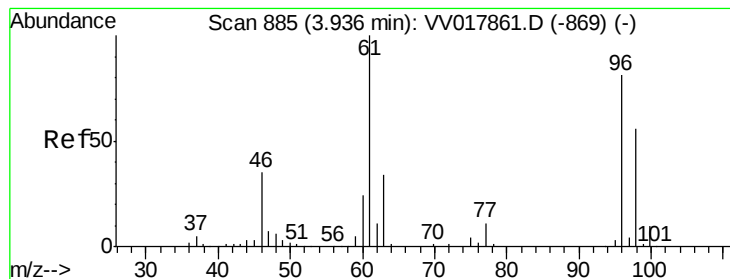
Ion Ratio Lower Upper

96 100

61 120.6 92.4 171.6

98 63.8 47.5 88.1



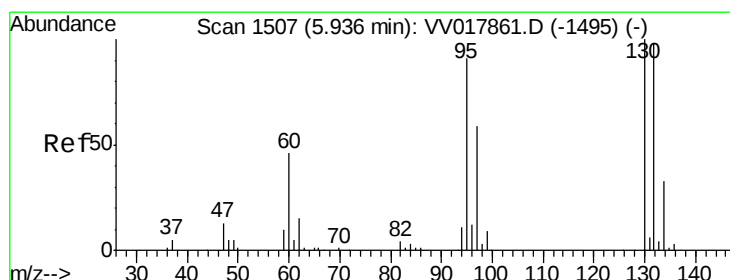
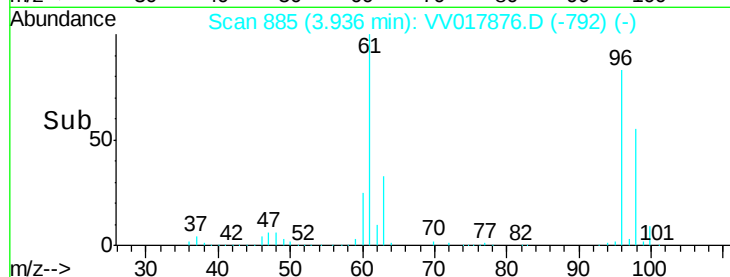
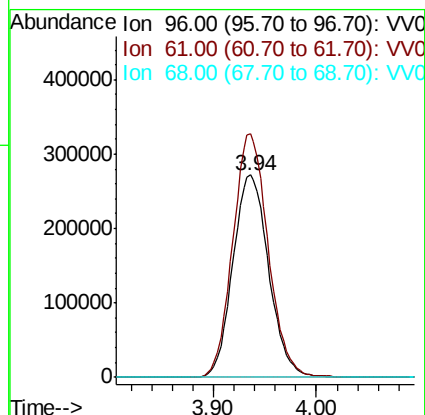
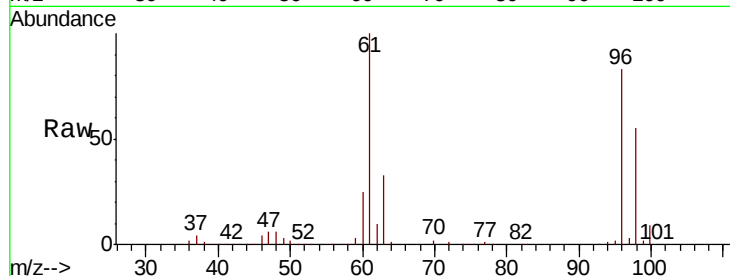


#20

cis-1,2-Dichloroethene
Concen: 449.083 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV017876.D
Acq: 09 Aug 2020 00:02

Instrument :
MSVOA_V
ClientSampled :
F2L93

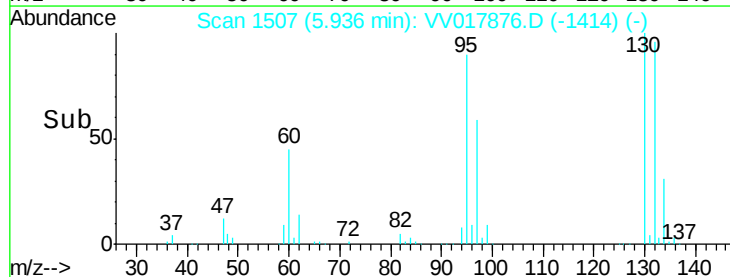
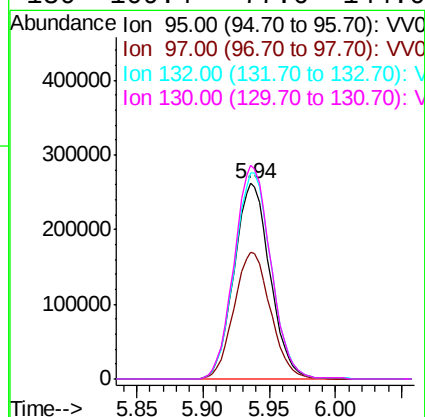
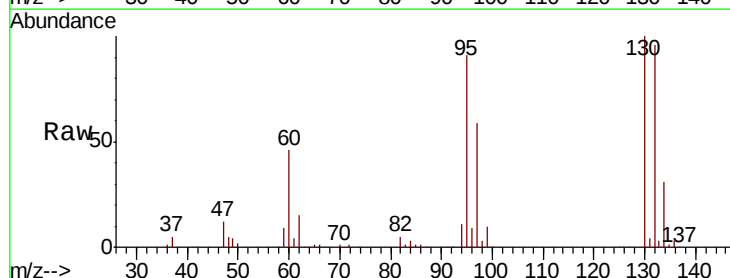
Tot Ion: 96 Resp: 658576
Ion Ratio Lower Upper
96 100
61 120.3 84.4 156.8
68 0.0 0.0 0.0

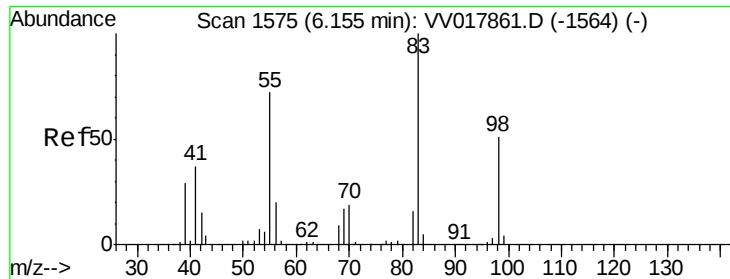


#34

Trichloroethene
Concen: 315.898 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV017876.D
Acq: 09 Aug 2020 00:02

Tgt Ion: 95 Resp: 494407
Ion Ratio Lower Upper
95 100
97 65.0 44.7 83.1
132 105.2 73.6 136.8
130 109.4 77.6 144.0

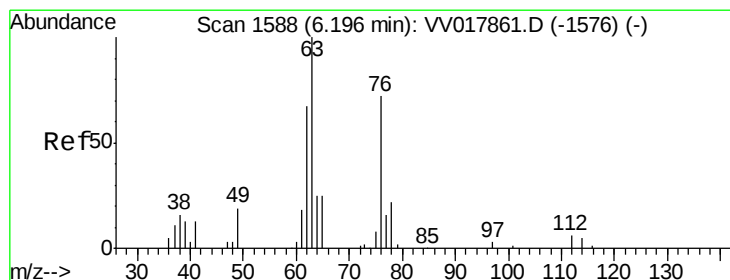
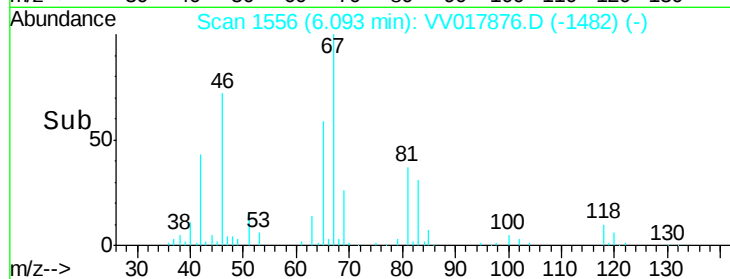
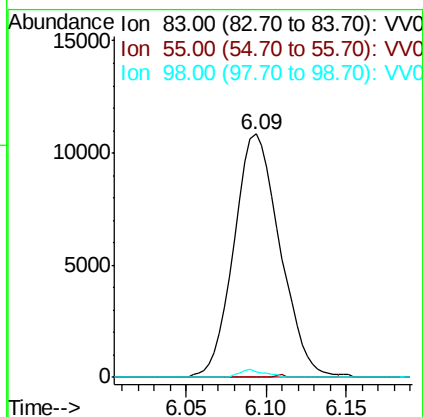
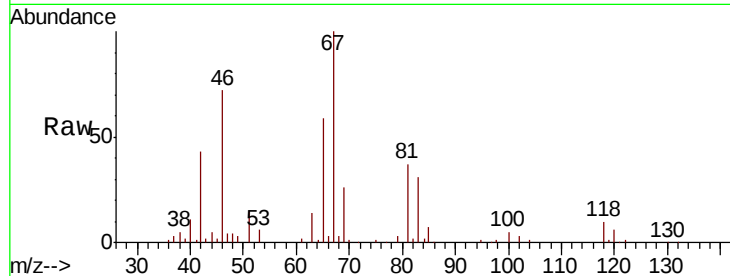




#35
Methvlcvclohexane
Concen: 9.590 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017876.D
Acq: 09 Aug 2020 00:02

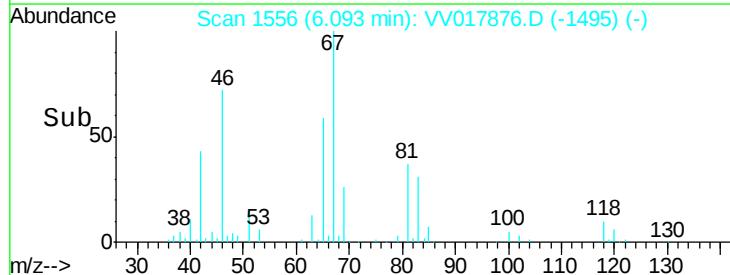
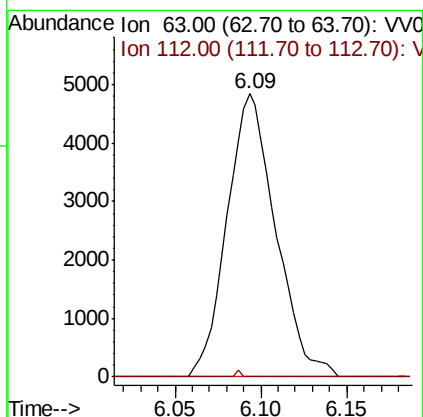
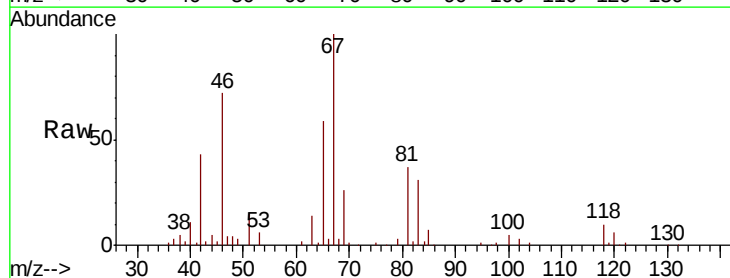
Instrument :
MSVOA_V
ClientSampleId :
F2L93

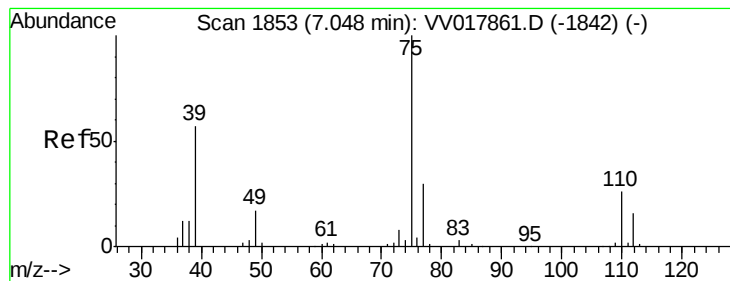
Tot Ion: 83 Resp: 21375
Ion Ratio Lower Upper
83 100
55 0.2 54.6 82.0#
98 1.7 41.1 61.7#



#37
1,2-Dichloropropane
Concen: 8.401 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017876.D
Acq: 09 Aug 2020 00:02

Tgt Ion: 63 Resp: 9518
Ion Ratio Lower Upper
63 100
112 0.0 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 1.347 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017876.D

Acq: 09 Aug 2020 00:02

Instrument :

MSVOA_V

ClientSampleId :

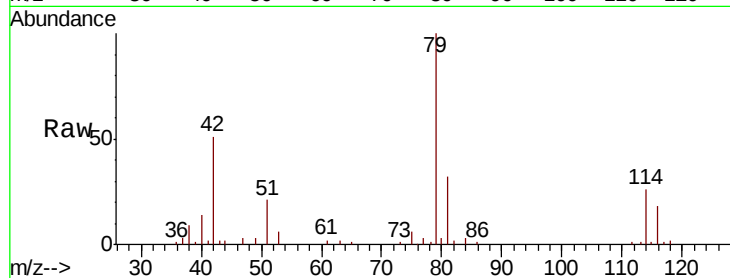
F2L93

Tot Ion: 75 Resp: 2624

Ion Ratio Lower Upper

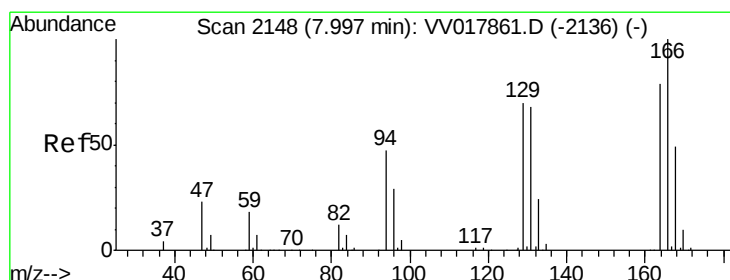
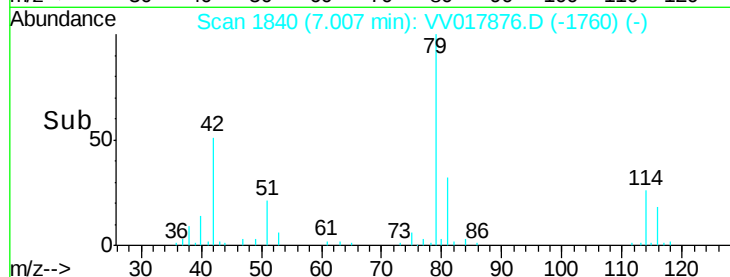
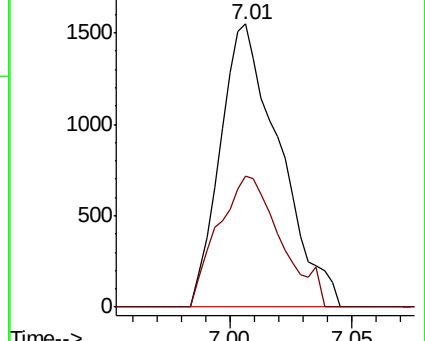
75 100

77 46.3 23.7 44.1#



Abundance Ion 75.00 (74.70 to 75.70): VV017876.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV017876.D (-1760) (-)



#46

Tetrachloroethene

Concen: 32.342 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017876.D

Acq: 09 Aug 2020 00:02

Tgt Ion: 164 Resp: 47708

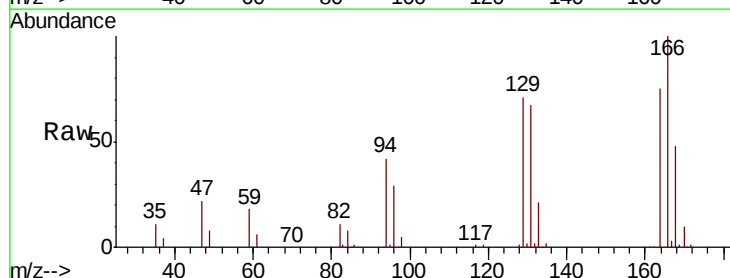
Ion Ratio Lower Upper

164 100

129 94.1 61.6 114.4

131 89.2 59.6 110.8

166 133.4 87.2 161.9

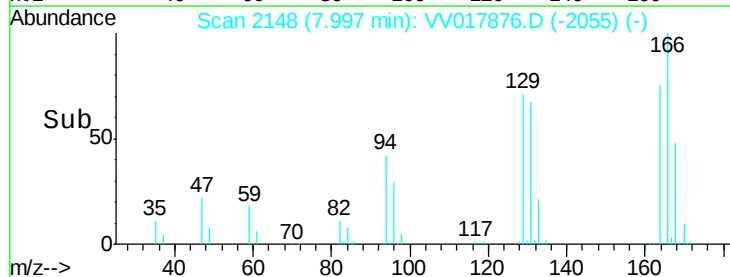
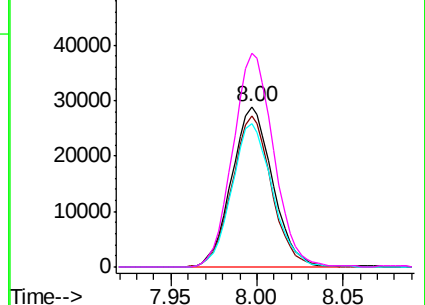


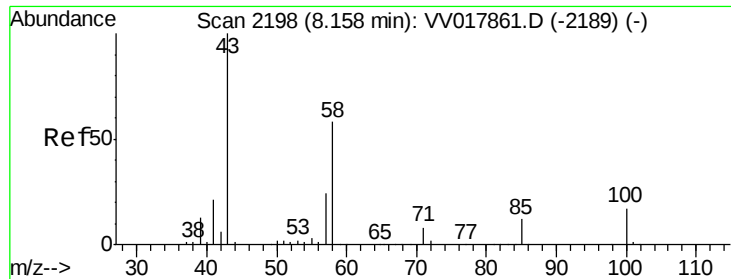
Abundance Ion 164.00 (163.70 to 164.70): VV017876.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV017876.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV017876.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV017876.D (-2055) (-)

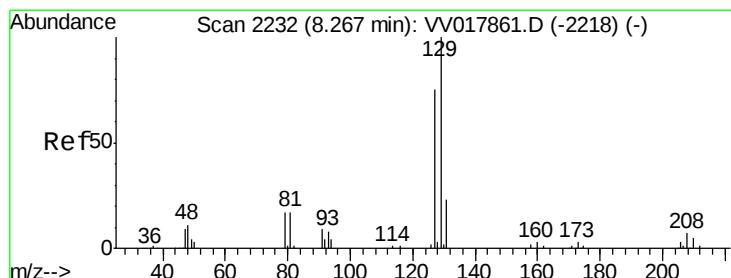
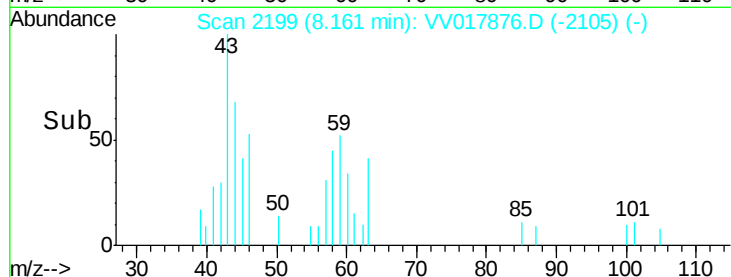
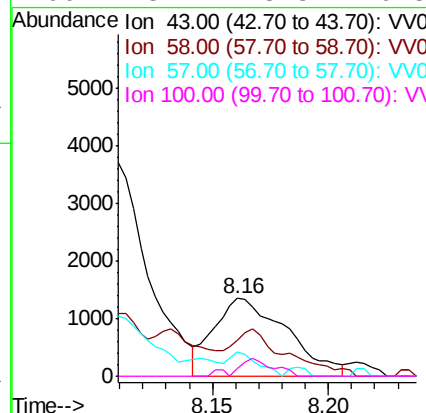
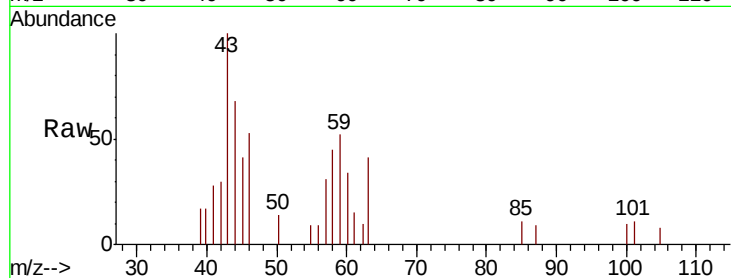




#48
2-Hexanone
Concen: 2.396 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017876.D
Acq: 09 Aug 2020 00:02

Instrument :
MSVOA_V
ClientSampleId :
F2L93

Tot Ion: 43 Resp: 2965
Ion Ratio Lower Upper
43 100
58 13.5 43.8 65.8#
57 11.8 18.0 27.0#
100 8.2 13.8 20.8#



#49
Dibromochloromethane
Concen: 26.725 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV017876.D
Acq: 09 Aug 2020 00:02

Tgt Ion: 129 Resp: 42406
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#

