

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017987.D
 Acq On : 14 Aug 2020 11:09
 Operator : SY/MD
 Sample : L3644-19DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2M13DL

Quant Time: Aug 17 01:34:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	256859	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	251323	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120220	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	98935	50.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.96%
7) Chloroethane-d5	1.58	69	82406	51.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.12	63	145175	38.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.46%
21) 2-Butanone-d5	3.90	46	120065	93.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.54%
24) Chloroform-d	4.37	84	172490	48.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.70%
26) 1,2-Dichloroethane-d4	5.05	65	121339	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
32) Benzene-d6	5.07	84	349460	50.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.90%
36) 1,2-Dichloropropane-d6	6.09	67	114073	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.76%
41) Toluene-d8	7.34	98	309342	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%
43) trans-1,3-Dichloropropene-	7.64	79	50555	49.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.44%
47) 2-Hexanone-d5	8.11	63	58847	80.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	136729	46.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	127261	53.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.58%

Target Compounds

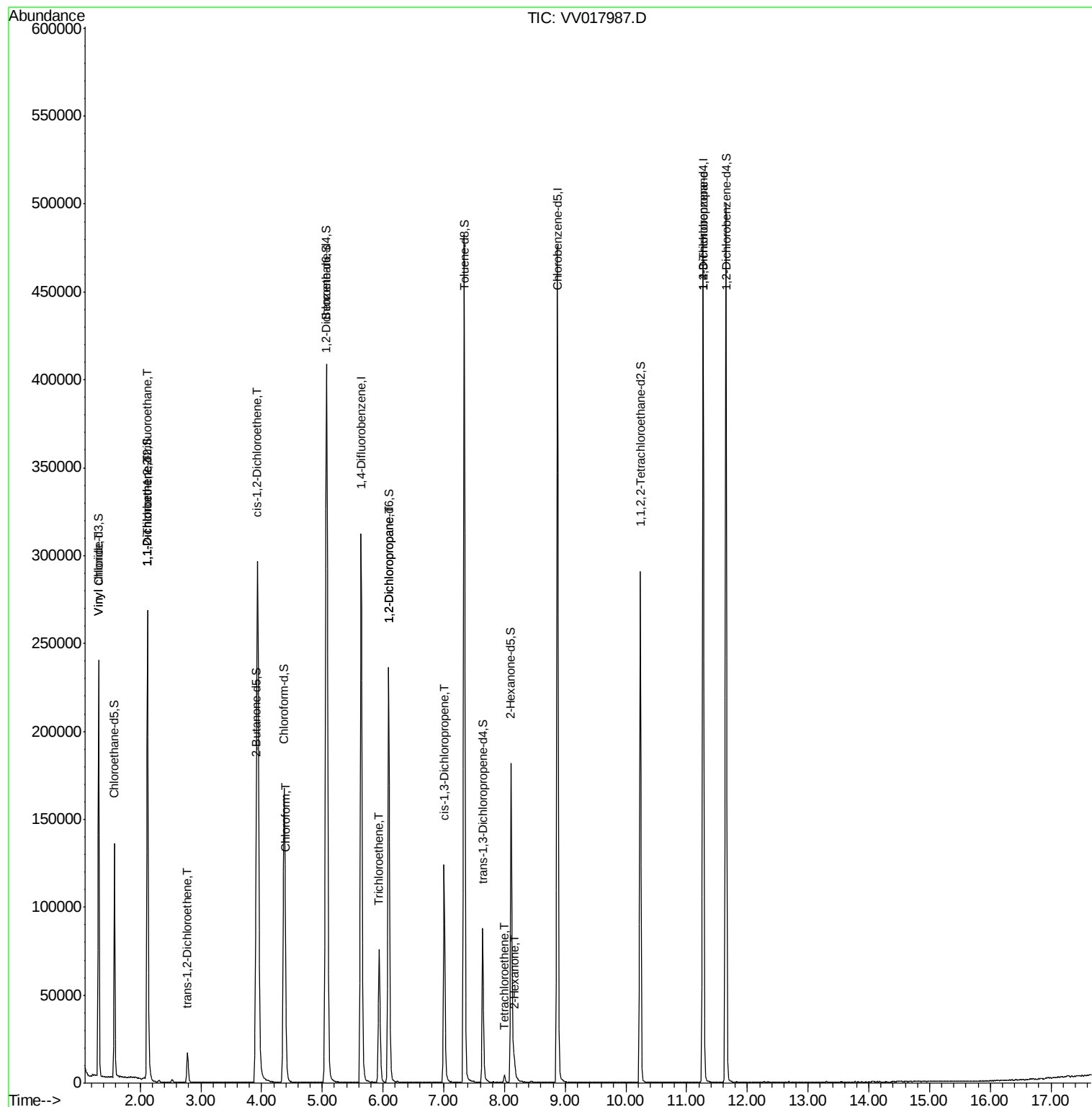
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	52865	23.163	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1259	0.692	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1290	0.749	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	6430	3.630	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	149751	76.940	ug/L	99
25) Chloroform	4.40	83	5329	1.467	ug/L	92
34) Trichloroethene	5.94	95	24007	11.681	ug/L	98
37) 1,2-Dichloropropane	6.09	63	12848	6.059	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	3136	1.043	ug/L #	59
46) Tetrachloroethene	8.00	164	1084	0.719	ug/L	97
48) 2-Hexanone	8.16	43	6348	2.840	ug/L #	77
59) 1,2,3-Trichloropropane	11.27	75	14308	5.464	ug/L	92

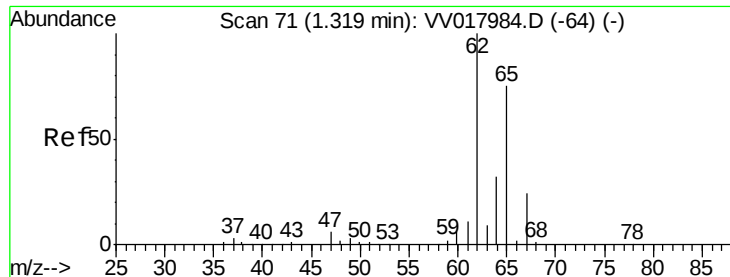
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Aug 17 01:31:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 23.163 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017987.D

Acq: 14 Aug 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

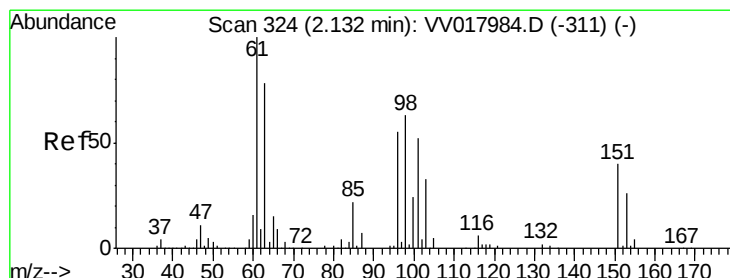
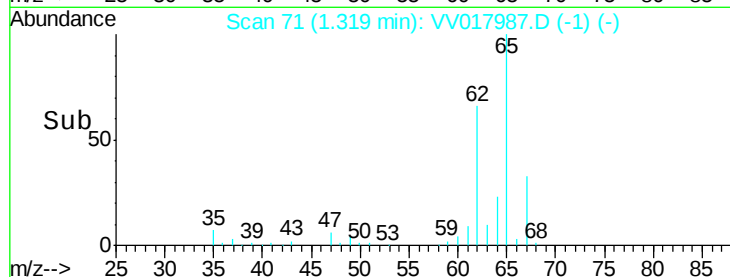
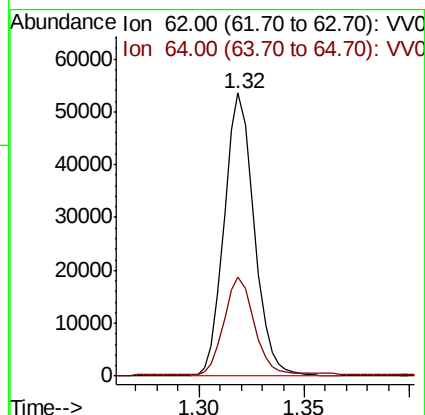
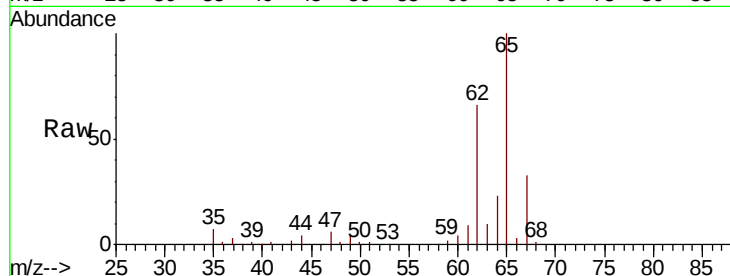
F2M13DL

Tot Ion: 62 Resp: 52865

Ion Ratio Lower Upper

62 100

64 34.8 22.4 41.6



#10

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

Concen: 0.692 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017987.D

Acq: 14 Aug 2020 11:09

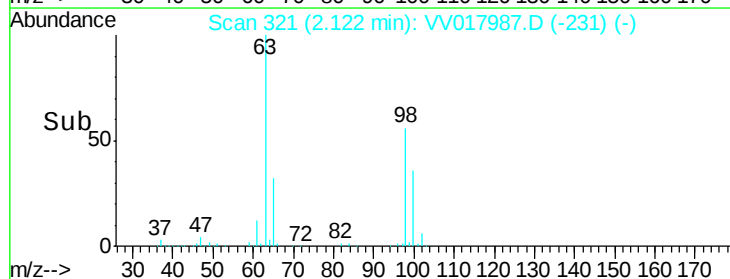
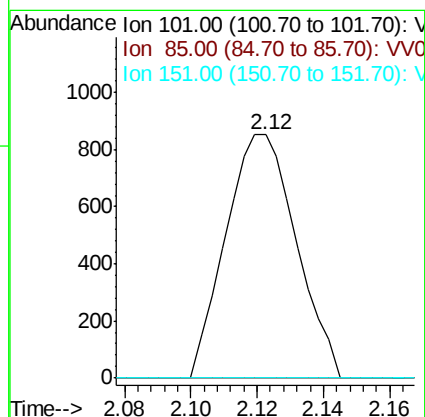
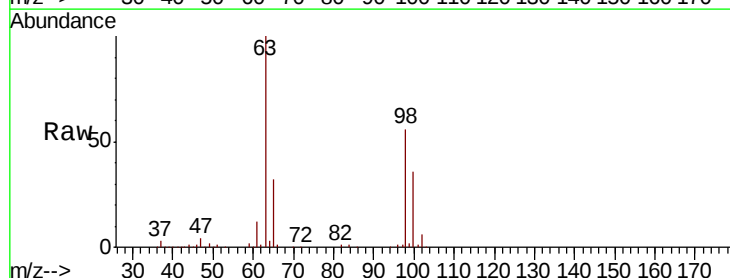
Tgt Ion: 101 Resp: 1259

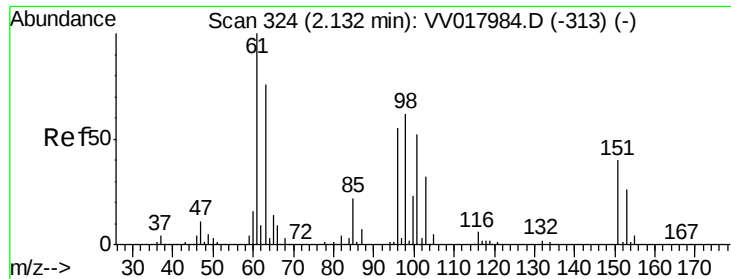
Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#

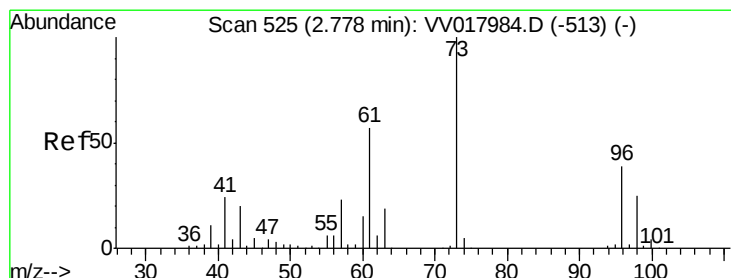
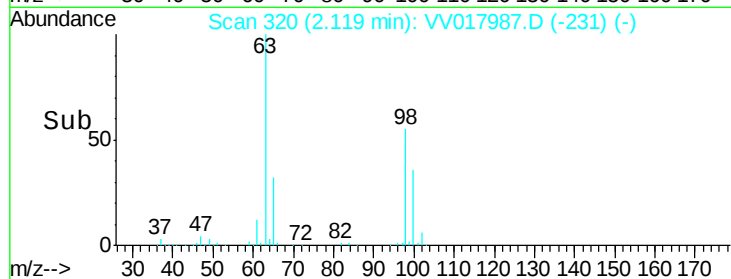
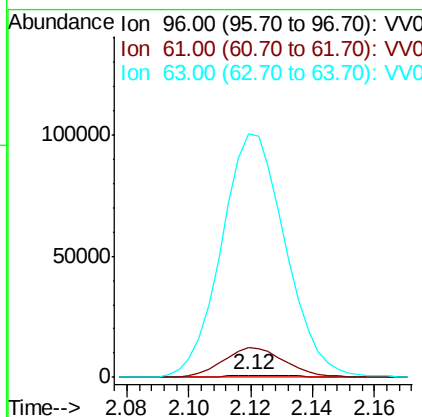
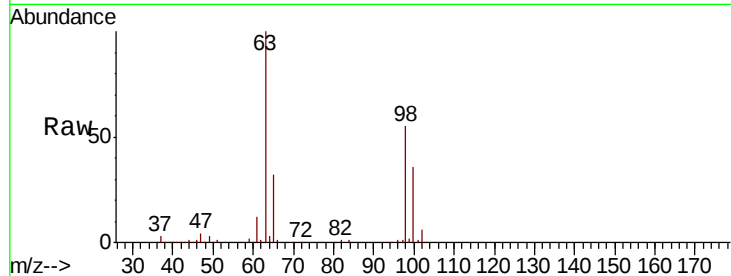




#12
 1,1-Dichloroethene
 Concen: 0.749 ug/L
 RT: 2.12 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: VV017987.D
 Acq: 14 Aug 2020 11:09

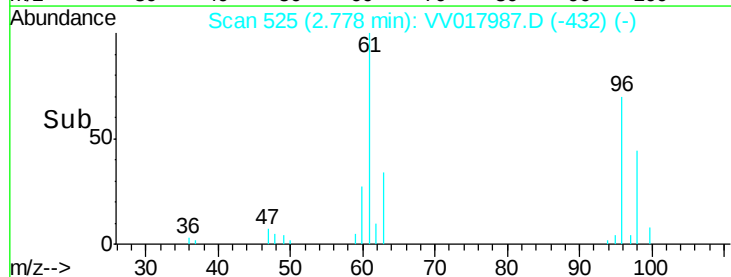
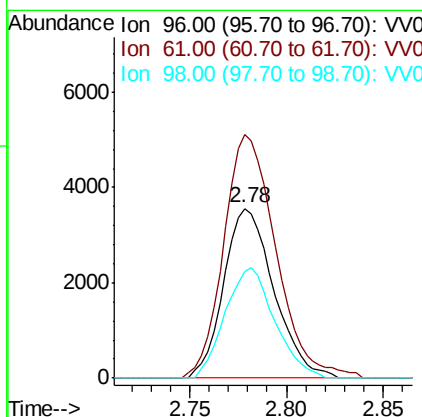
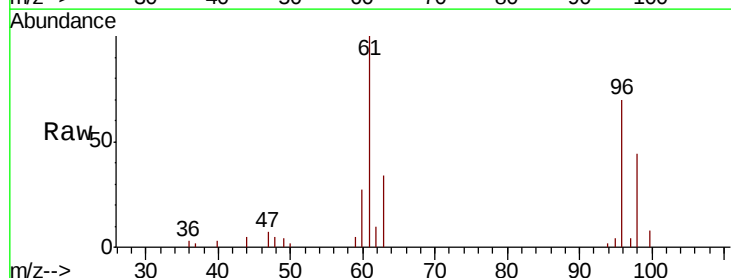
Instrument :
 MSVOA_V
 ClientSampled :
 F2M13DL

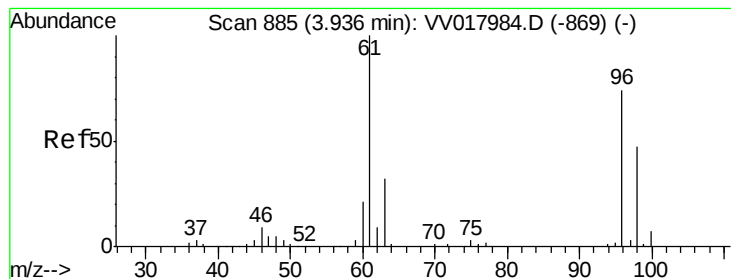
Tot Ion: 96 Resp: 1290
 Ion Ratio Lower Upper
 96 100
 61 1444.0 127.1 236.0#
 63 11999.0 95.2 176.8#



#17
 trans-1,2-Dichloroethene
 Concen: 3.630 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV017987.D
 Acq: 14 Aug 2020 11:09

Tgt Ion: 96 Resp: 6430
 Ion Ratio Lower Upper
 96 100
 61 143.6 102.4 190.2
 98 62.6 44.4 82.5





#20

cis-1,2-Dichloroethene

Concen: 76.940 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017987.D

Acq: 14 Aug 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

F2M13DL

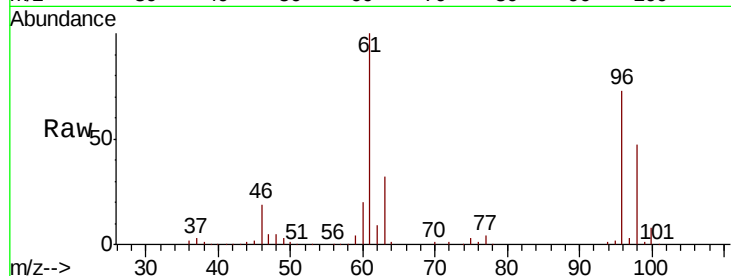
Tot Ion: 96 Resp: 149751

Ion Ratio Lower Upper

96 100

61 136.6 95.0 176.4

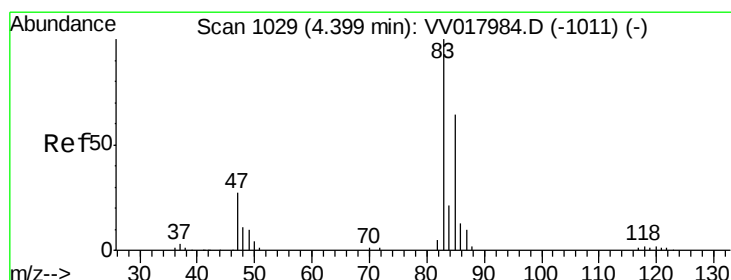
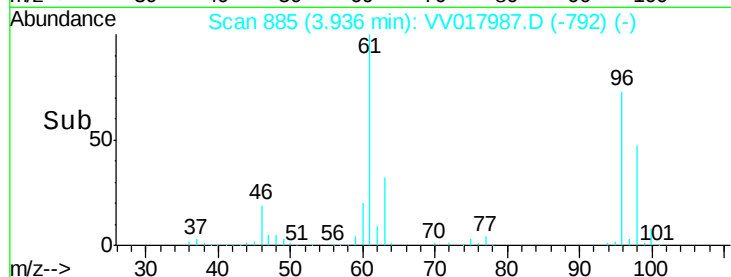
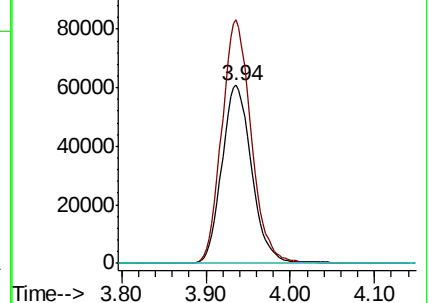
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017987.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV017987.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV017987.D (-792) (-)



#25

Chloroform

Concen: 1.467 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV017987.D

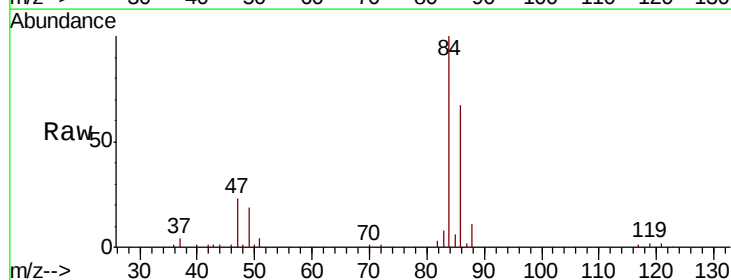
Acq: 14 Aug 2020 11:09

Tgt Ion: 83 Resp: 5329

Ion Ratio Lower Upper

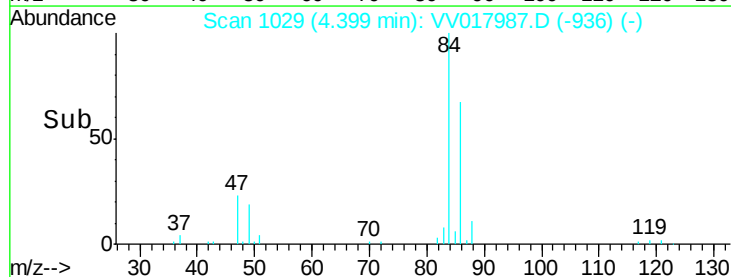
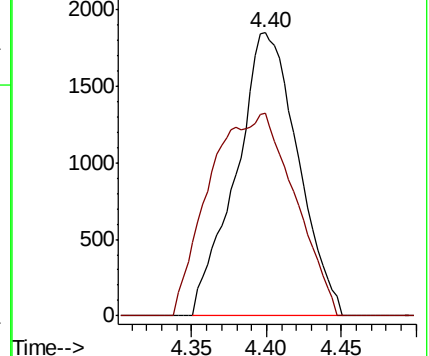
83 100

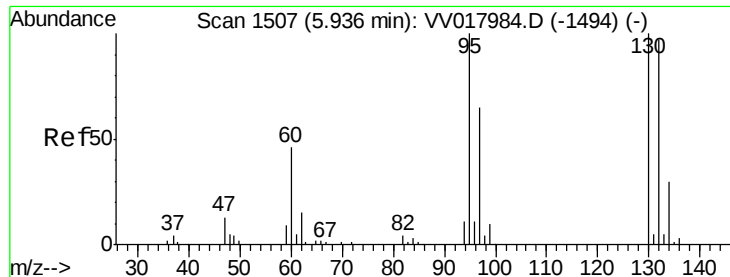
85 71.5 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV017987.D (-936) (-)

Ion 85.00 (84.70 to 85.70): VV017987.D (-936) (-)





#34

Trichloroethene

Concen: 11.681 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017987.D

Acq: 14 Aug 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

F2M13DL

Tot Ion: 95 Resp: 24007

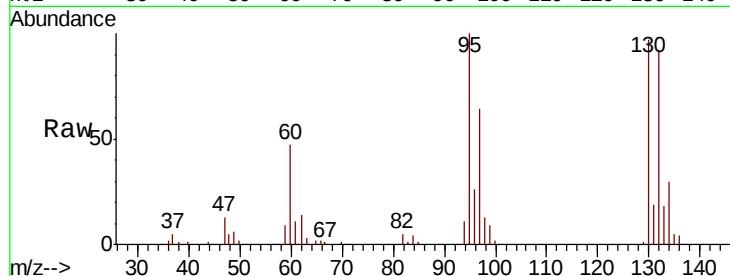
Ion Ratio Lower Upper

95 100

97 63.6 46.0 85.4

132 91.9 65.8 122.2

130 97.2 69.2 128.6

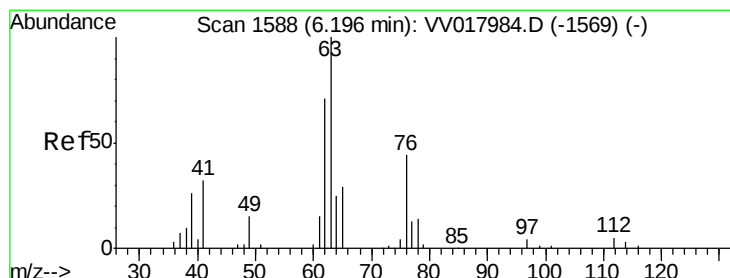
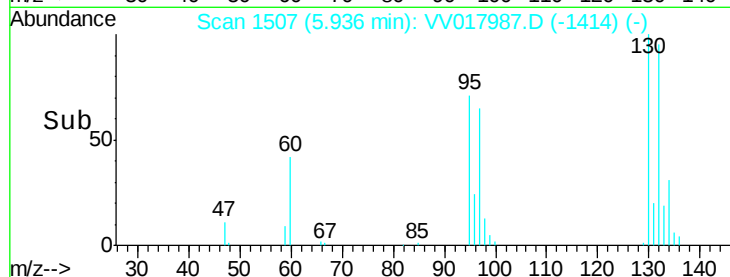
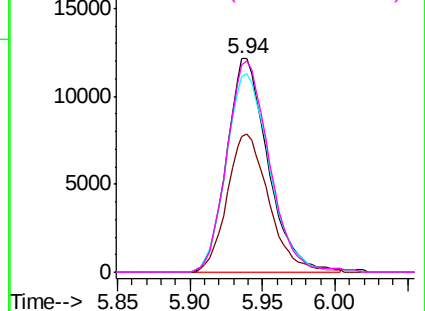


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.059 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV017987.D

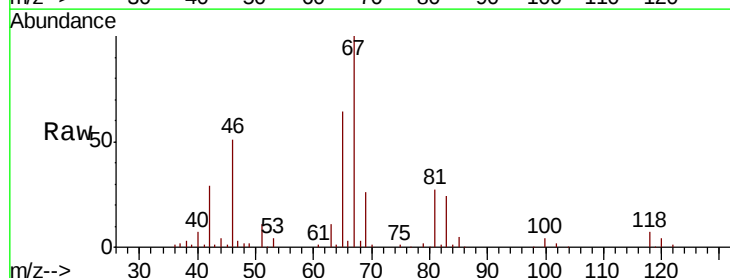
Acq: 14 Aug 2020 11:09

Tgt Ion: 63 Resp: 12848

Ion Ratio Lower Upper

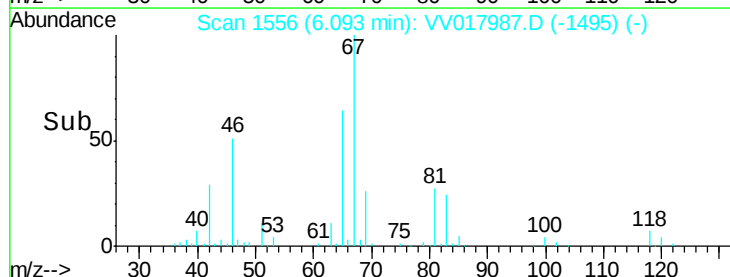
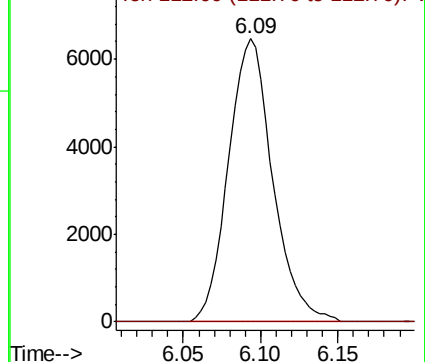
63 100

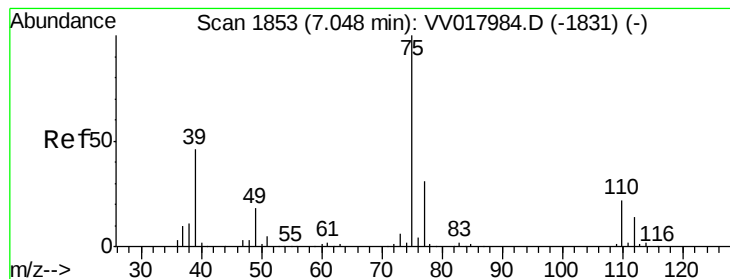
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



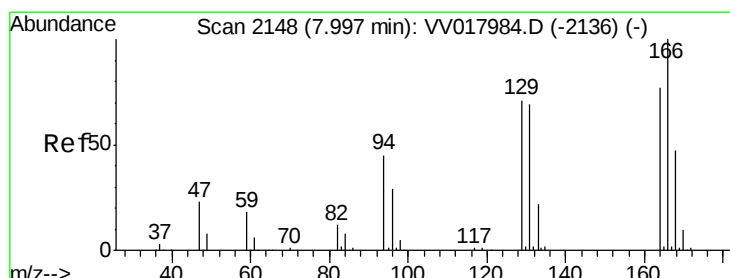
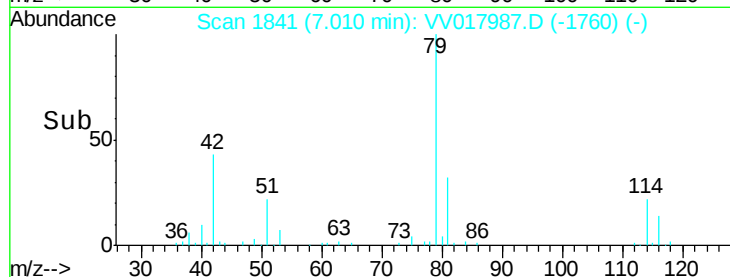
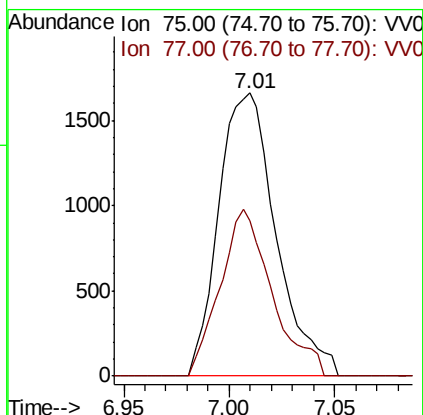
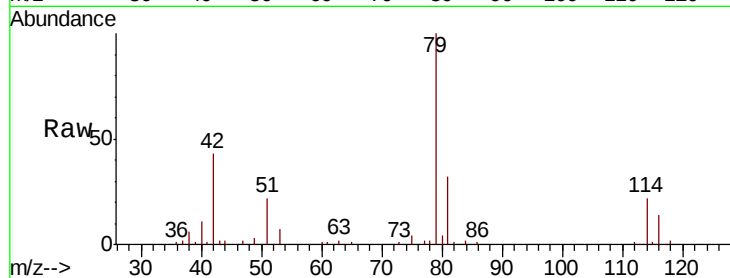


#39

cis-1,3-Dichloropropene
Concen: 1.043 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017987.D
Acq: 14 Aug 2020 11:09

Instrument :
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F2M13DL

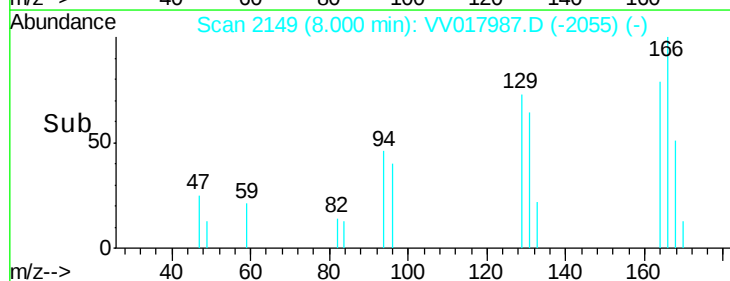
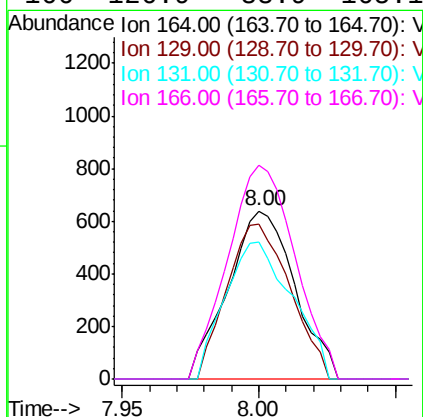
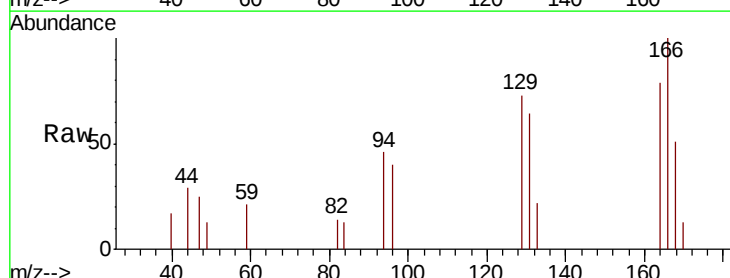
Tot Ion: 75 Resp: 3136
Ion Ratio Lower Upper
75 100
77 54.9 22.3 41.5#

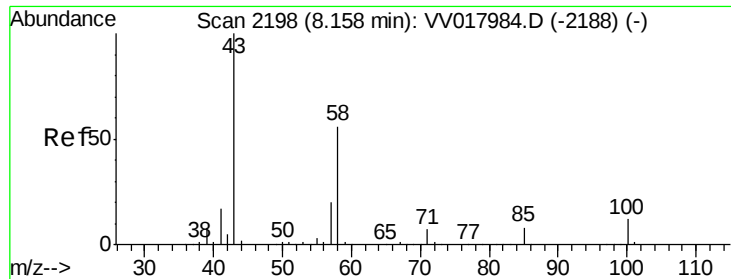


#46

Tetrachloroethene
Concen: 0.719 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV017987.D
Acq: 14 Aug 2020 11:09

Tgt Ion: 164 Resp: 1084
Ion Ratio Lower Upper
164 100
129 92.3 64.8 120.3
131 81.6 64.5 119.9
166 126.9 88.9 165.1

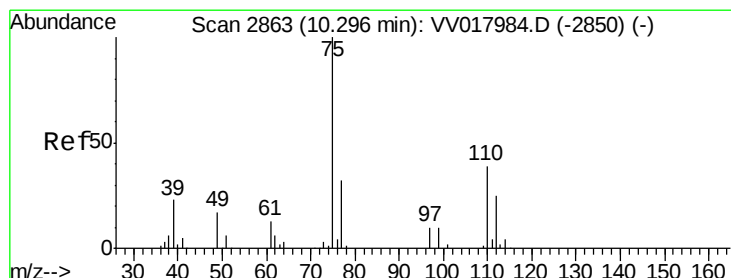
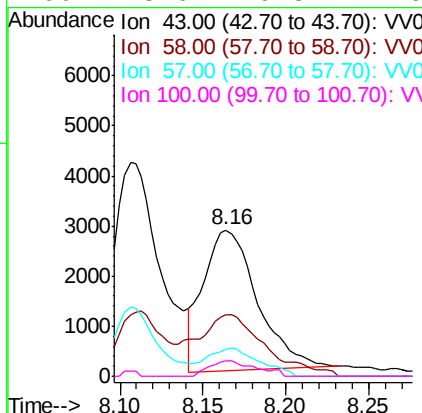
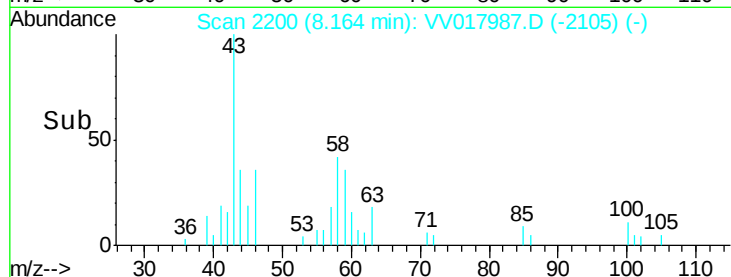
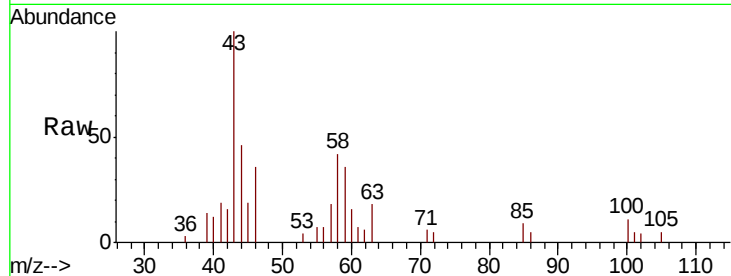




#48
2-Hexanone
Concen: 2.840 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV017987.D
Acq: 14 Aug 2020 11:09

Instrument :
MSVOA_V
ClientSampleId :
F2M13DL

Tot Ion: 43 Resp: 6348
Ion Ratio Lower Upper
43 100
58 31.0 44.4 66.6#
57 19.0 15.2 22.8
100 8.6 9.8 14.6#



#59
1,2,3-Trichloropropane
Concen: 5.464 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.97 min
Lab File: VV017987.D
Acq: 14 Aug 2020 11:09

Tgt Ion: 75 Resp: 14308
Ion Ratio Lower Upper
75 100
77 36.8 25.7 38.5

