

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017968.D
 Acq On : 13 Aug 2020 13:50
 Operator : SY/MD
 Sample : L3644-14DL 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L75DL

Quant Time: Aug 14 04:16:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 04:14:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	256052	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	253045	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	121486	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82473	42.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.44%
7) Chloroethane-d5	1.58	69	71764	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.12	63	127383	34.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.18%
21) 2-Butanone-d5	3.91	46	117826	92.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.08%
24) Chloroform-d	4.38	84	161621	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.90%
26) 1,2-Dichloroethane-d4	5.06	65	110805	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
32) Benzene-d6	5.08	84	326324	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.58%
36) 1,2-Dichloropropane-d6	6.09	67	106917	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.78%
41) Toluene-d8	7.34	98	287985	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%
43) trans-1,3-Dichloropropene-	7.64	79	46114	44.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.18%
47) 2-Hexanone-d5	8.11	63	58420	79.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.85%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	131045	44.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	120163	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%

Target Compounds

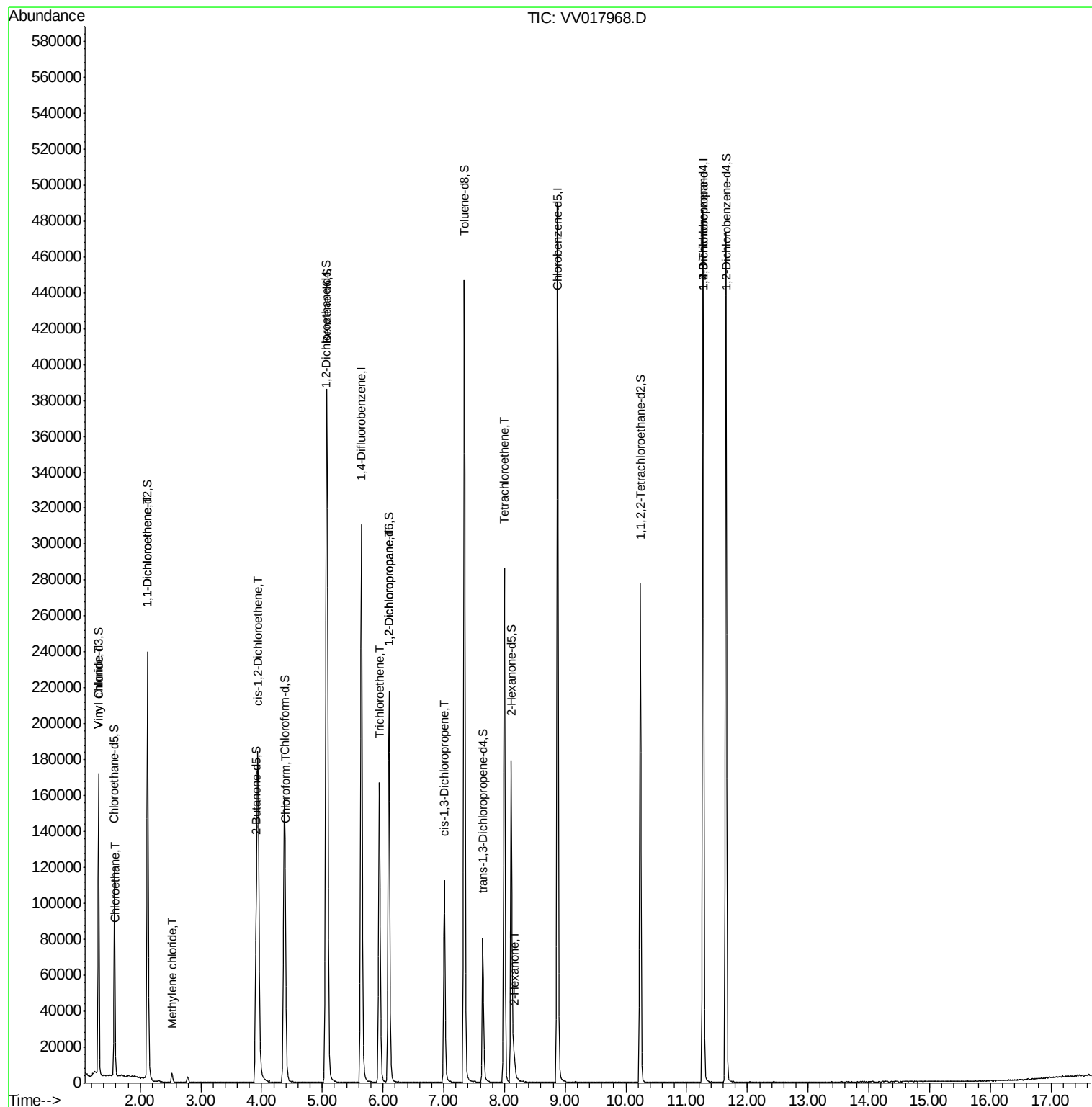
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	24431	10.738	ug/L	90
8) Chloroethane	1.60	64	1316	0.906	ug/L	89
12) 1,1-Dichloroethene	2.13	96	2405	1.400	ug/L #	1
16) Methylene chloride	2.53	84	2232	1.020	ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	90819	46.809	ug/L	100
25) Chloroform	4.40	83	2859	0.790	ug/L #	73
34) Trichloroethene	5.94	95	56200	27.158	ug/L	98
37) 1,2-Dichloropropane	6.10	63	11608	5.437	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2906	0.960	ug/L #	75
46) Tetrachloroethene	8.00	164	64612	42.573	ug/L	98
48) 2-Hexanone	8.16	43	8121	3.608	ug/L #	76
59) 1,2,3-Trichloropropane	11.27	75	14119	5.355	ug/L	91

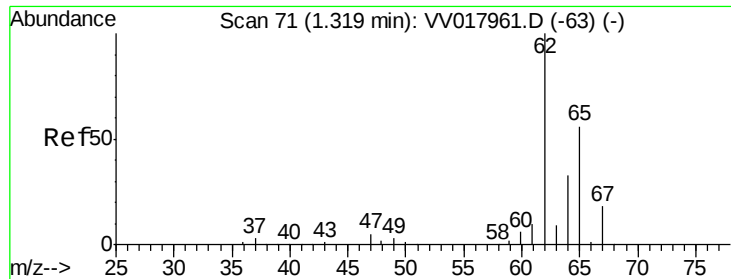
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 14 04:14:46 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 10.738 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017968.D

Acq: 13 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampled :

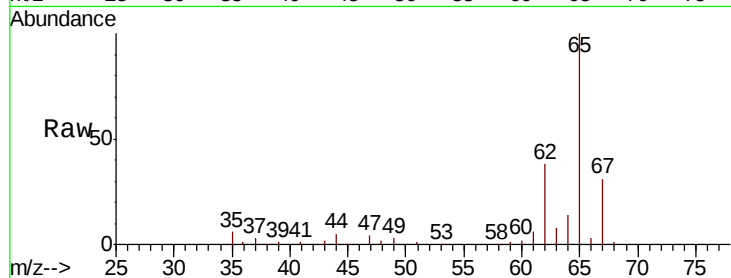
F2L75DL

Tot Ion: 62 Resp: 24431

Ion Ratio Lower Upper

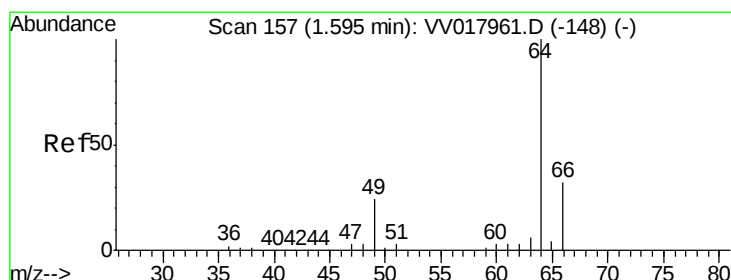
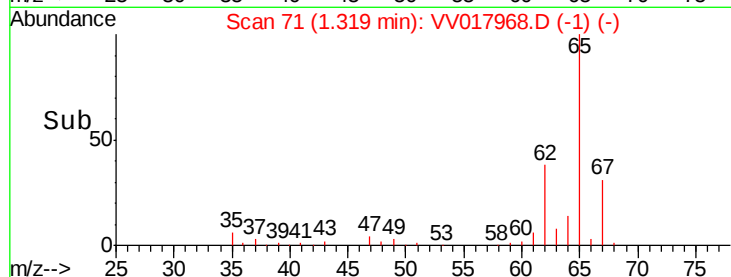
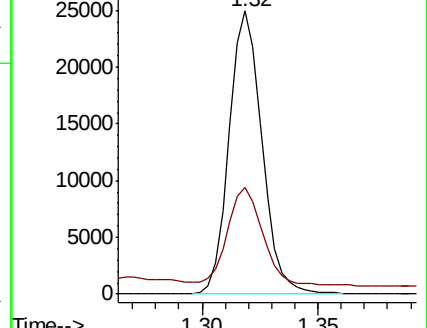
62 100

64 37.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 0.906 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017968.D

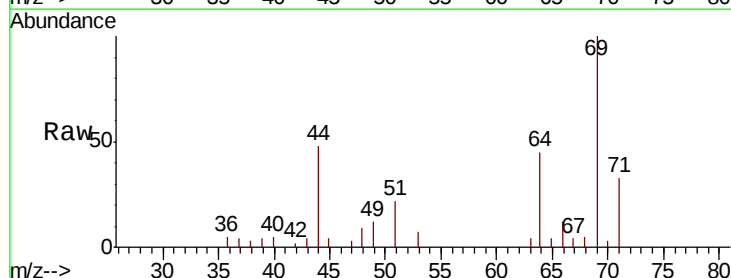
Acq: 13 Aug 2020 13:50

Tgt Ion: 64 Resp: 1316

Ion Ratio Lower Upper

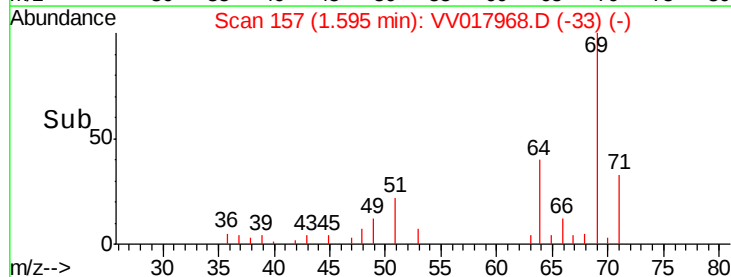
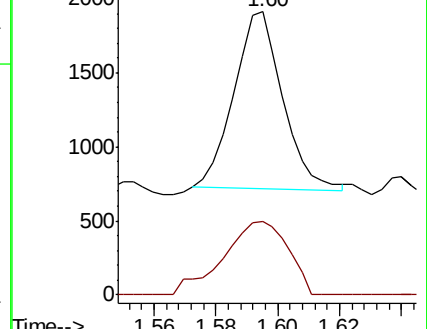
64 100

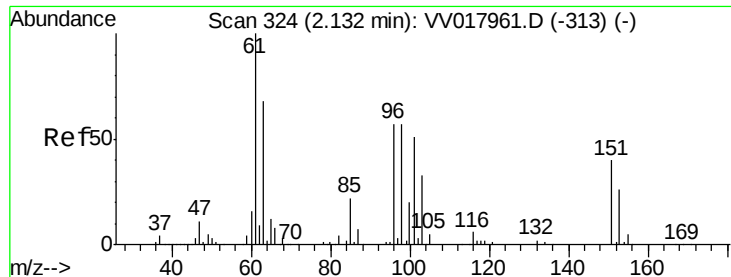
66 25.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 1.400 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017968.D

Acq: 13 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

F2L75DL

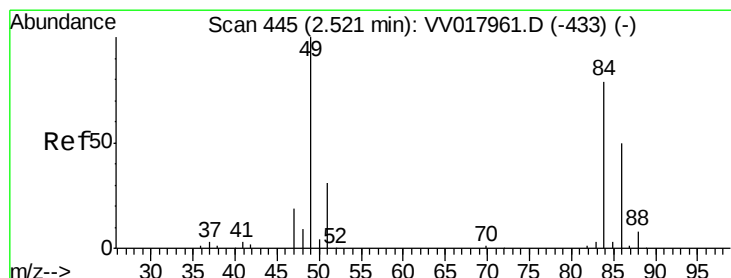
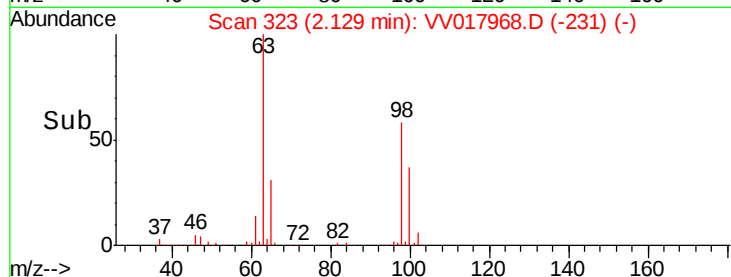
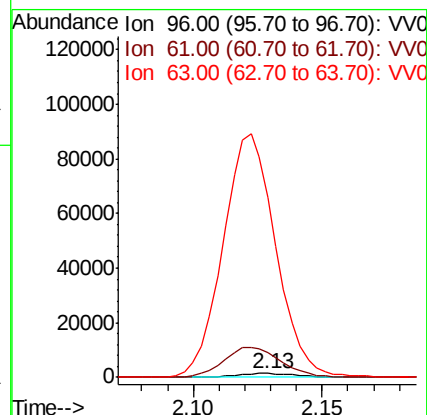
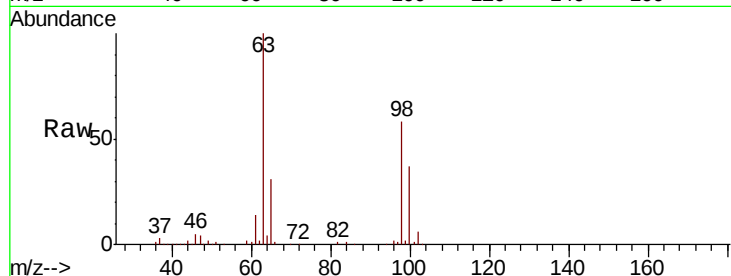
Tot Ion: 96 Resp: 2405

Ion Ratio Lower Upper

96 100

61 628.8 127.1 236.0#

63 4639.4 95.2 176.8#



#16

Methylene chloride

Concen: 1.020 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV017968.D

Acq: 13 Aug 2020 13:50

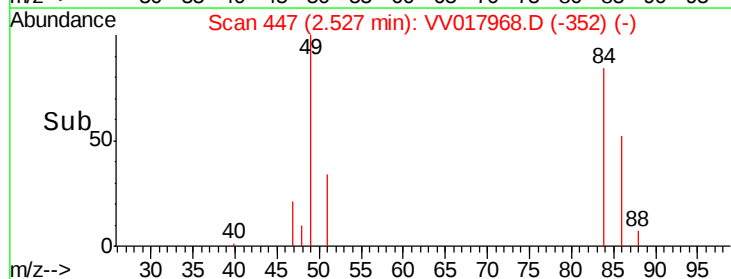
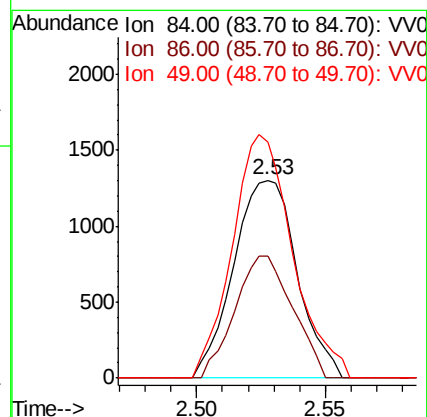
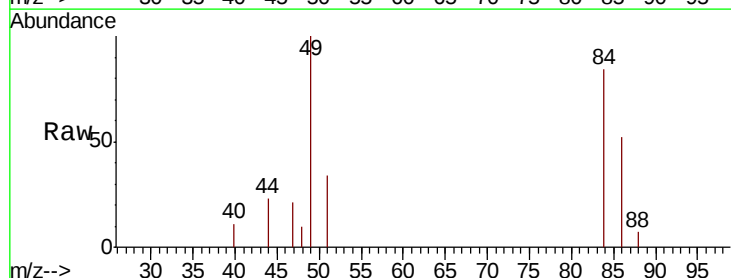
Tgt Ion: 84 Resp: 2232

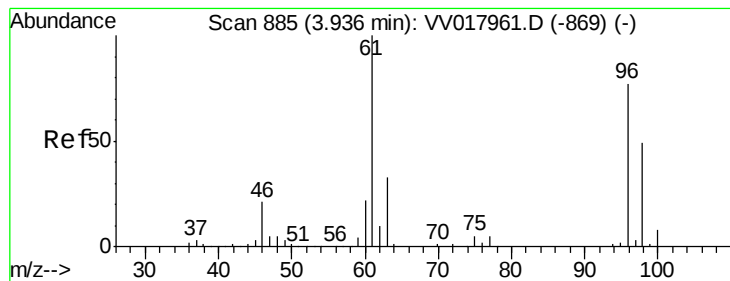
Ion Ratio Lower Upper

84 100

86 61.8 46.3 85.9

49 119.1 89.7 166.5



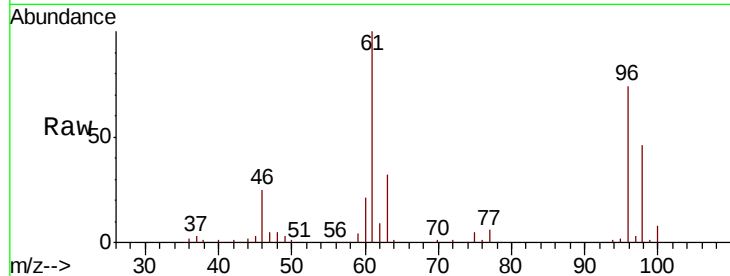


#20

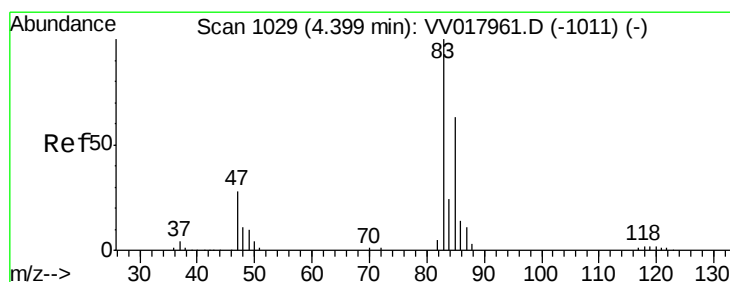
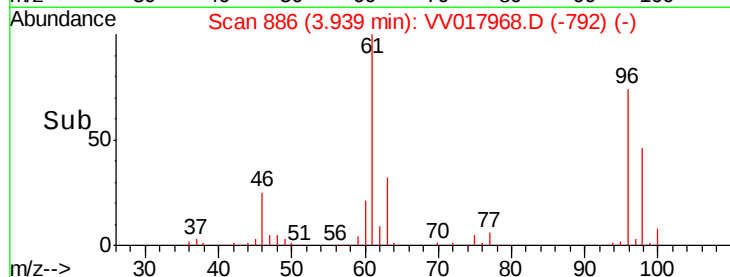
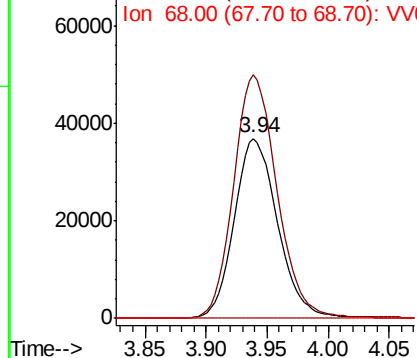
cis-1,2-Dichloroethene
Concen: 46.809 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017968.D
Acq: 13 Aug 2020 13:50

Instrument :
MSVOA_V
ClientSampleId :
F2L75DL

Tot Ion: 96 Resp: 90819
Ion Ratio Lower Upper
96 100
61 135.4 95.0 176.4
68 0.0 0.0 0.0



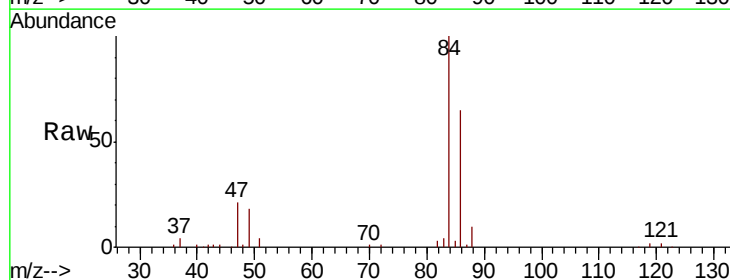
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



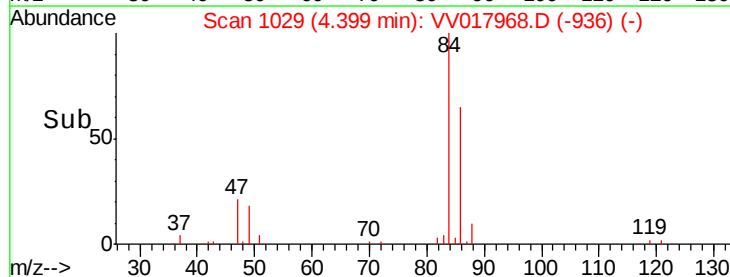
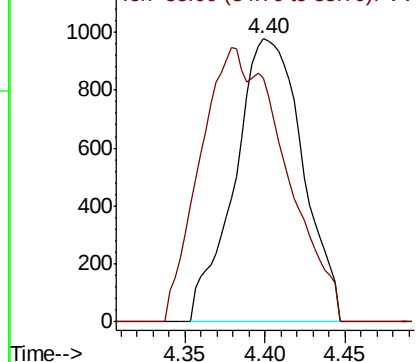
#25

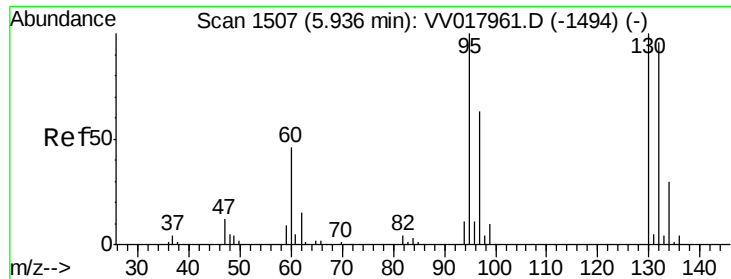
Chloroform
Concen: 0.790 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017968.D
Acq: 13 Aug 2020 13:50

Tgt Ion: 83 Resp: 2859
Ion Ratio Lower Upper
83 100
85 86.0 45.5 84.5#



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 27.158 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017968.D

Acq: 13 Aug 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

F2L75DL

Tot Ion: 95 Resp: 56200

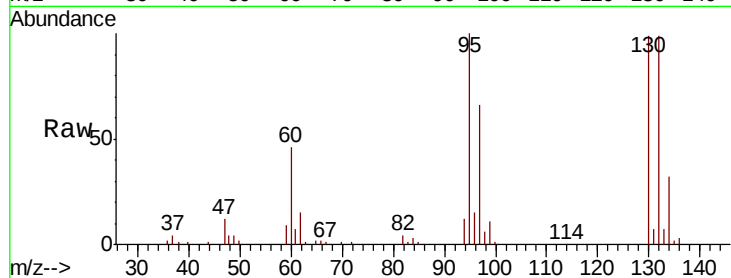
Ion Ratio Lower Upper

95 100

97 65.8 46.0 85.4

132 98.7 65.8 122.2

130 98.8 69.2 128.6

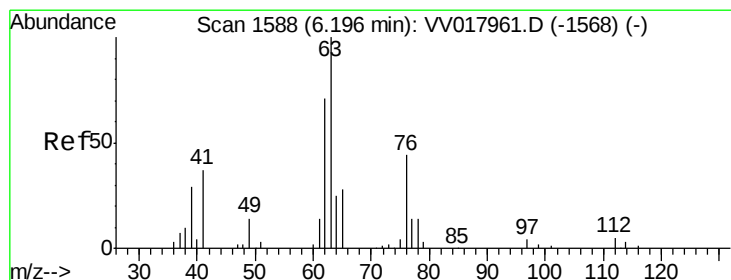
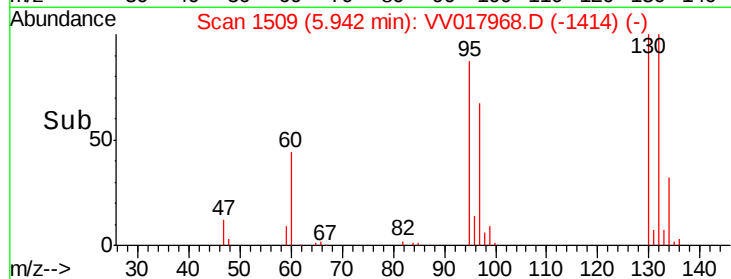
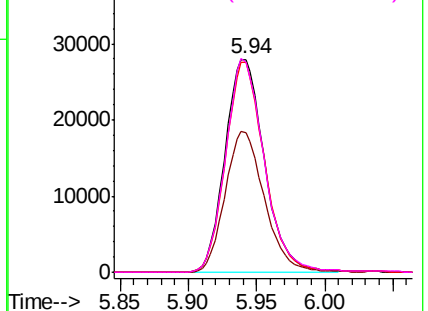


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.437 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017968.D

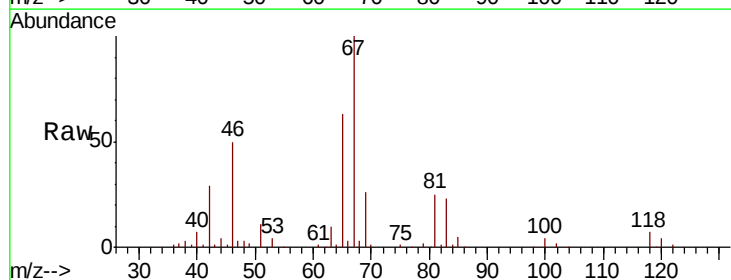
Acq: 13 Aug 2020 13:50

Tgt Ion: 63 Resp: 11608

Ion Ratio Lower Upper

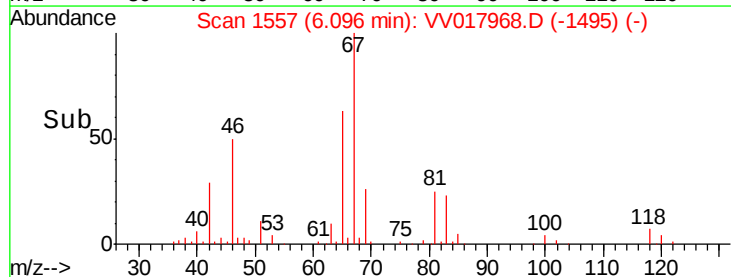
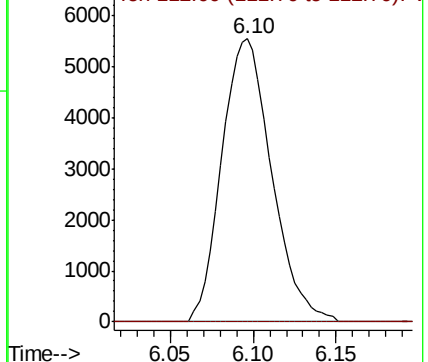
63 100

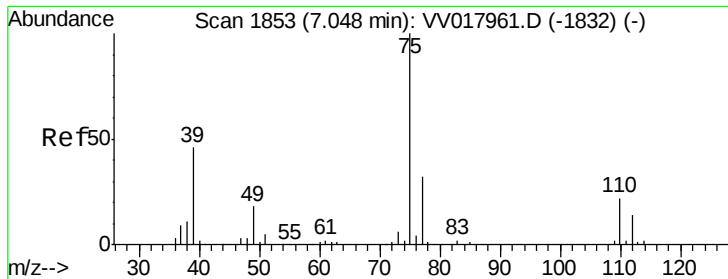
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



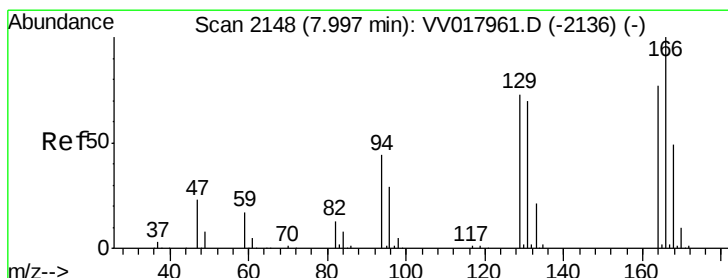
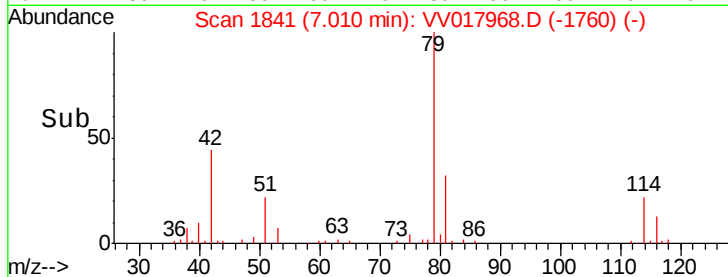
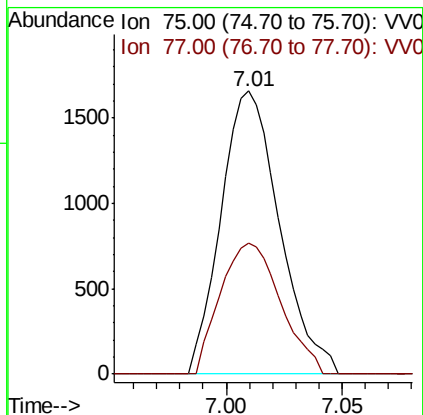
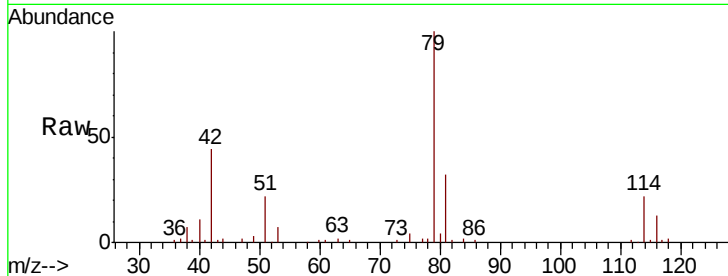


#39

cis-1,3-Dichloropropene
 Concen: 0.960 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017968.D
 Acq: 13 Aug 2020 13:50

Instrument :
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 ClientSampleId :
 F2L75DL

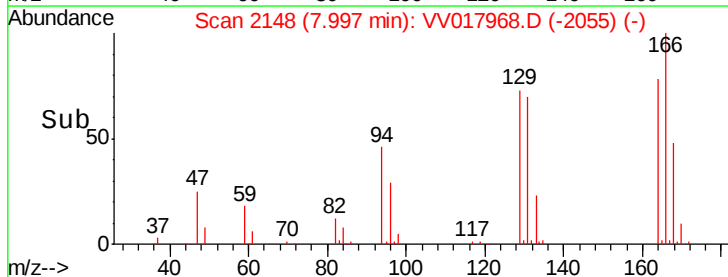
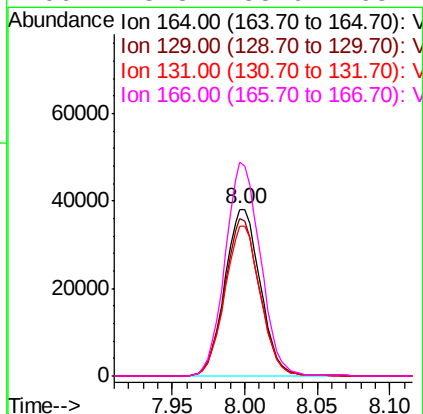
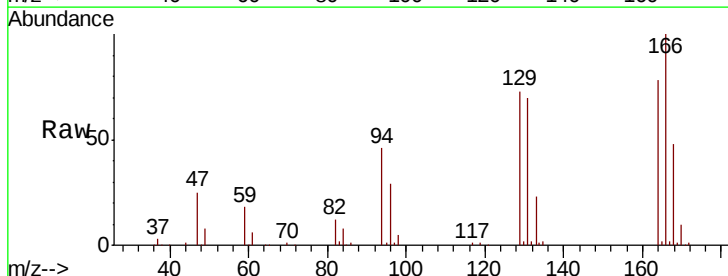
Tot Ion: 75 Resp: 2906
 Ion Ratio Lower Upper
 75 100
 77 46.1 22.3 41.5#

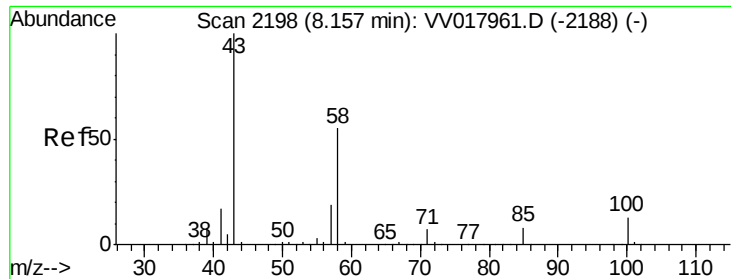


#46

Tetrachloroethene
 Concen: 42.573 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017968.D
 Acq: 13 Aug 2020 13:50

Tgt Ion: 164 Resp: 64612
 Ion Ratio Lower Upper
 164 100
 129 94.3 64.8 120.3
 131 89.9 64.5 119.9
 166 128.3 88.9 165.1

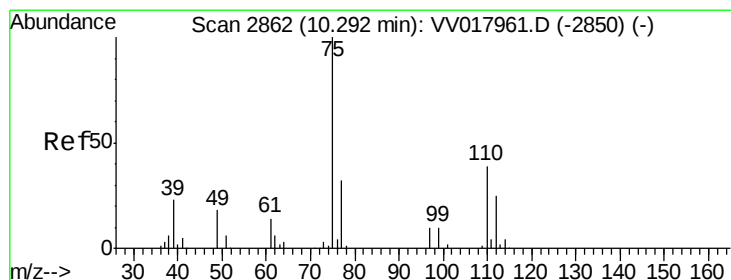
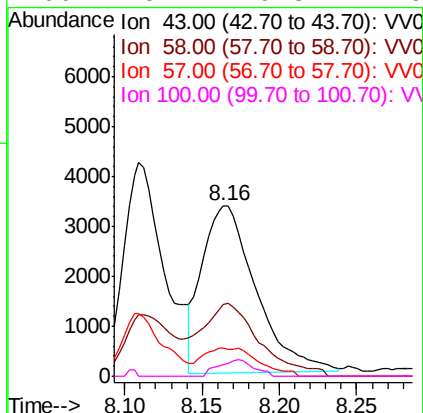
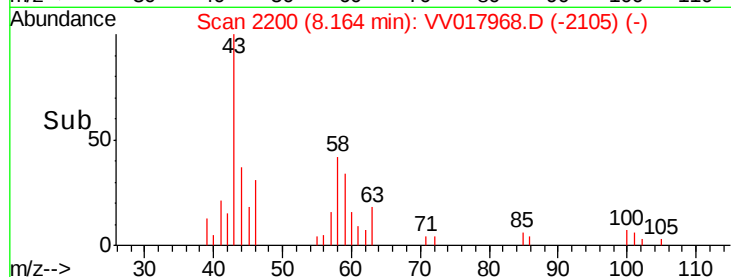
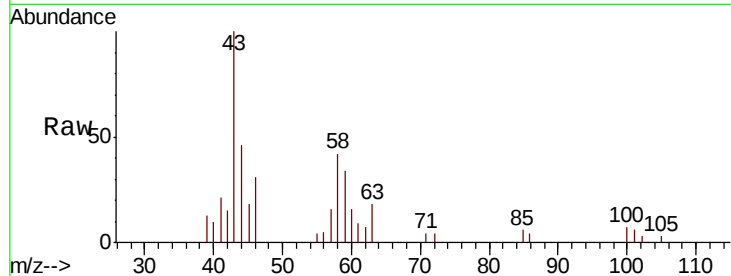




#48
 2-Hexanone
 Concen: 3.608 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV017968.D
 Acq: 13 Aug 2020 13:50

Instrument :
 MSVOA_V
 ClientSampled :
 F2L75DL

Tot Ion: 43 Resp: 8121
 Ion Ratio Lower Upper
 43 100
 58 39.4 44.4 66.6#
 57 4.1 15.2 22.8#
 100 6.1 9.8 14.6#



#59
 1,2,3-Trichloropropane
 Concen: 5.355 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV017968.D
 Acq: 13 Aug 2020 13:50

Tgt Ion: 75 Resp: 14119
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.7 38.5

