

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017966.D
 Acq On : 13 Aug 2020 13:04
 Operator : SY/MD
 Sample : L3644-11DL 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L67DL

Quant Time: Aug 14 04:16:28 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	261286	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	260265	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	124024	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84688	42.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.96%
7) Chloroethane-d5	1.58	69	75326	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.36%
11) 1,1-Dichloroethene-d2	2.12	63	131012	34.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.72%
21) 2-Butanone-d5	3.91	46	123321	94.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.45%
24) Chloroform-d	4.38	84	170149	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
26) 1,2-Dichloroethane-d4	5.06	65	117091	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
32) Benzene-d6	5.08	84	340716	47.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.10	67	112107	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.62%
41) Toluene-d8	7.34	98	302792	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.64	79	47546	44.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.40%
47) 2-Hexanone-d5	8.11	63	62113	82.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	139581	45.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.42%
64) 1,2-Dichlorobenzene-d4	11.65	152	126357	51.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.54%

Target Compounds

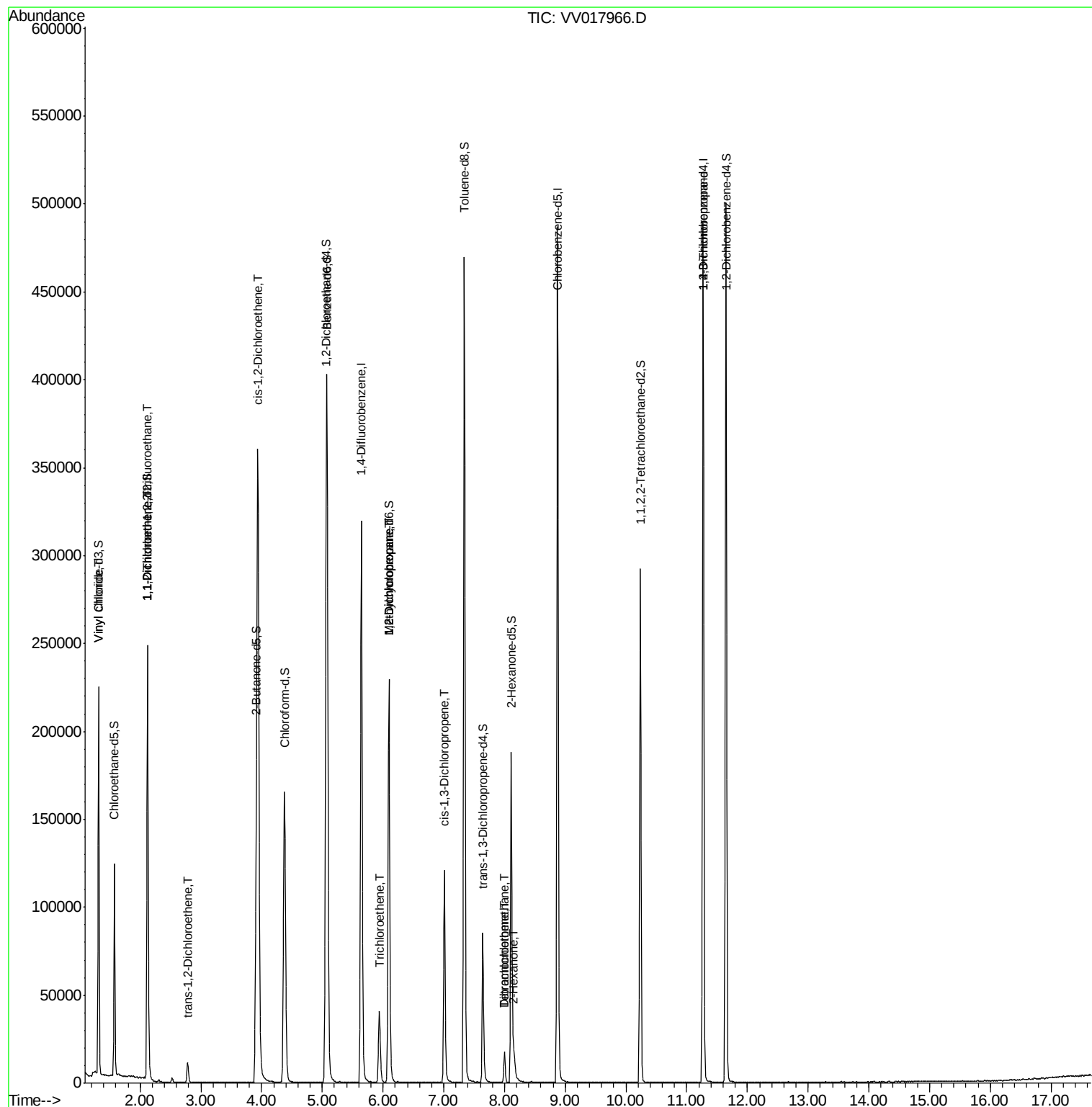
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	57170	24.624	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1264	0.683	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1264	0.721	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	4167	2.313	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	187820	94.865	ug/L	100
34) Trichloroethene	5.94	95	12036	5.655	ug/L	96
35) Methylcyclohexane	6.10	83	26257	8.296	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12556	5.718	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2854	0.917	ug/L #	60
46) Tetrachloroethene	8.00	164	4108	2.632	ug/L	95
48) 2-Hexanone	8.16	43	7424	3.207	ug/L #	92
49) Dibromochloromethane	8.00	129	3672	1.850	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	14733	5.433	ug/L	91

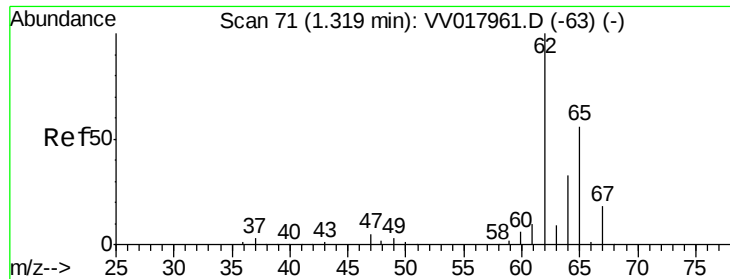
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 24.624 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017966.D

Acq: 13 Aug 2020 13:04

Instrument :

MSVOA_V

ClientSampleId :

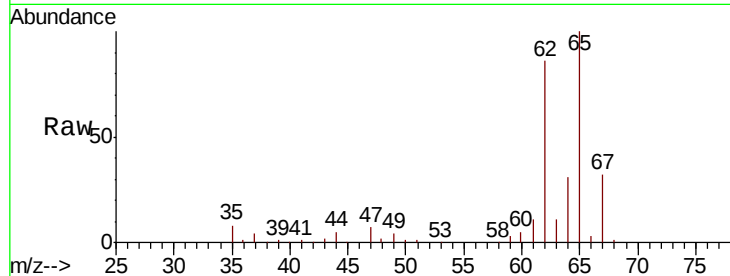
F2L67DL

Tot Ion: 62 Resp: 57170

Ion Ratio Lower Upper

62 100

64 35.5 22.4 41.6

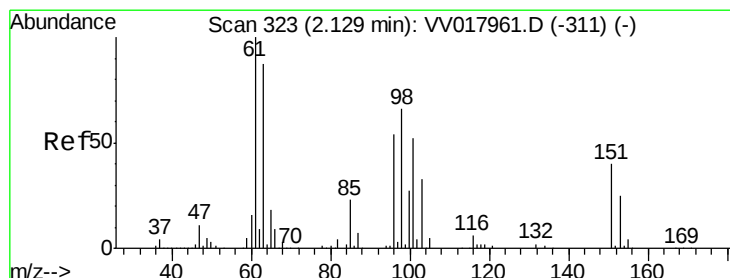
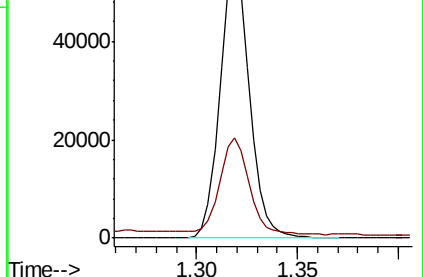
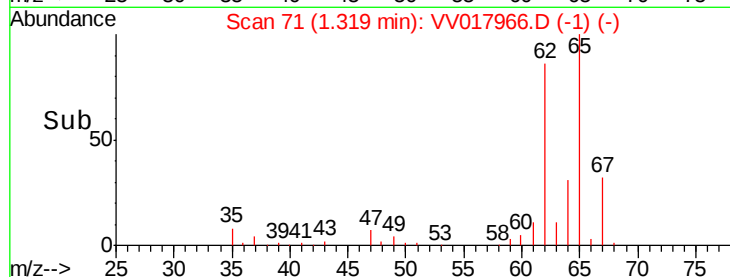


Abundance Ion 62.00 (61.70 to 62.70): VV017966.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV017966.D (-63) (-)

1.32

1.35



#10

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

Concen: 0.683 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017966.D

Acq: 13 Aug 2020 13:04

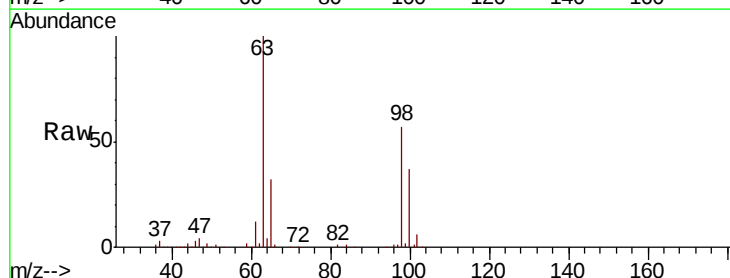
Tgt Ion: 101 Resp: 1264

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 59.1 88.7#



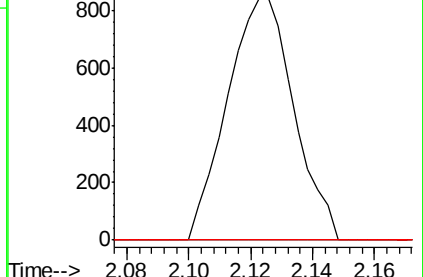
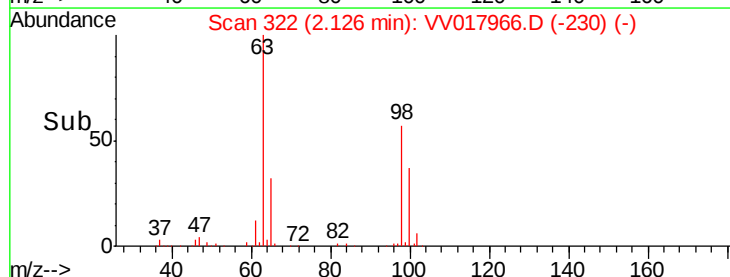
Abundance Ion 101.00 (100.70 to 101.70): VV017966.D (-311) (-)

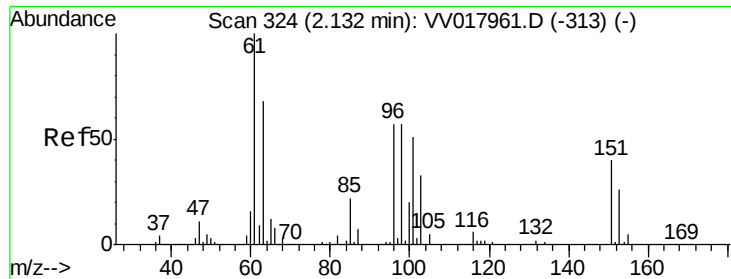
Ion 85.00 (84.70 to 85.70): VV017966.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017966.D (-311) (-)

2.13

2.16





#12

1,1-Dichloroethene

Concen: 0.721 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017966.D

Acq: 13 Aug 2020 13:04

Instrument :

MSVOA_V

ClientSampleId :

F2L67DL

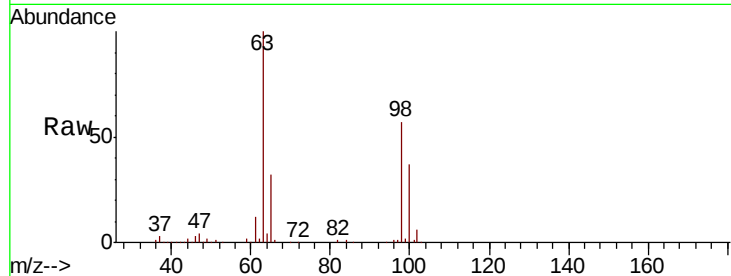
Tot Ion: 96 Resp: 1264

Ion Ratio Lower Upper

96 100

61 1326.0 127.1 236.0#

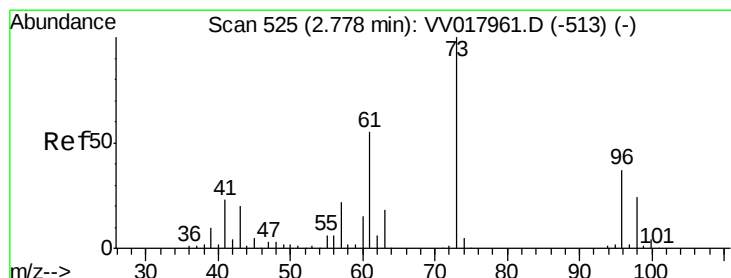
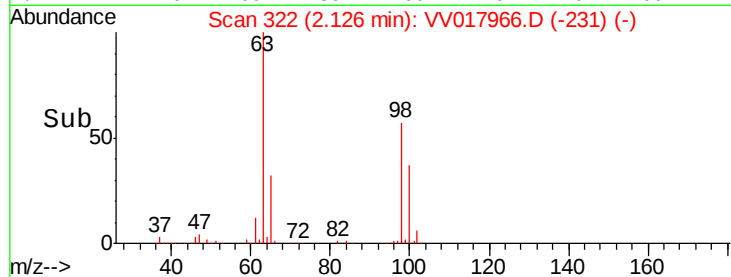
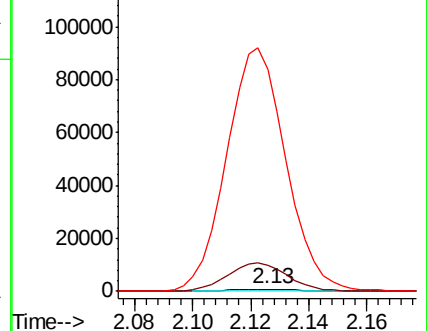
63 11355.0 95.2 176.8#



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: 2.313 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017966.D

Acq: 13 Aug 2020 13:04

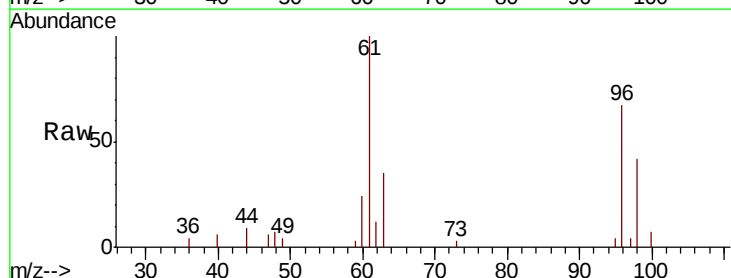
Tgt Ion: 96 Resp: 4167

Ion Ratio Lower Upper

96 100

61 150.0 102.4 190.2

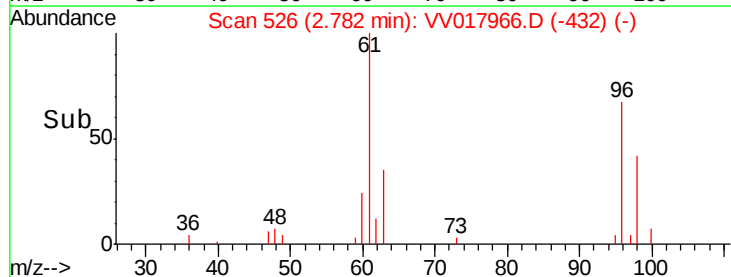
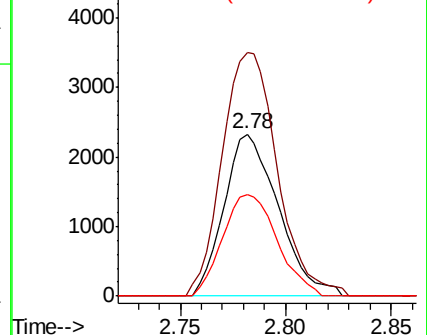
98 62.6 44.4 82.5

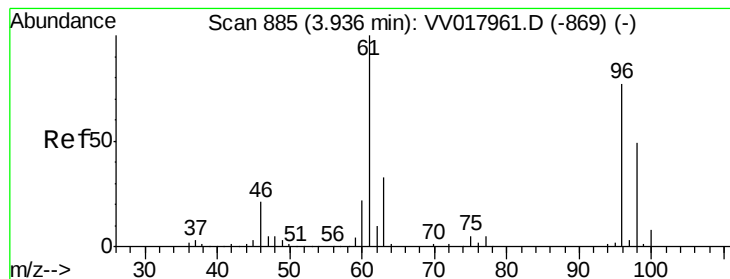


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



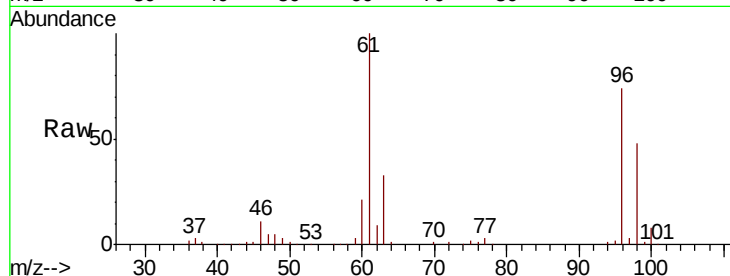


#20

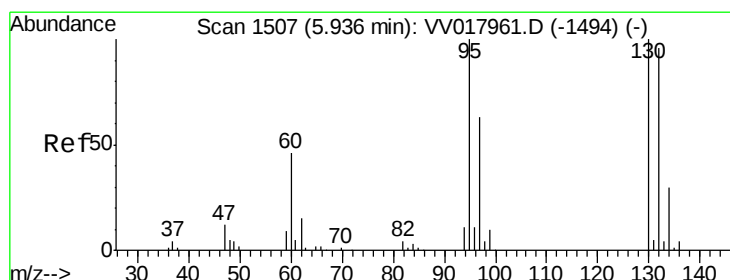
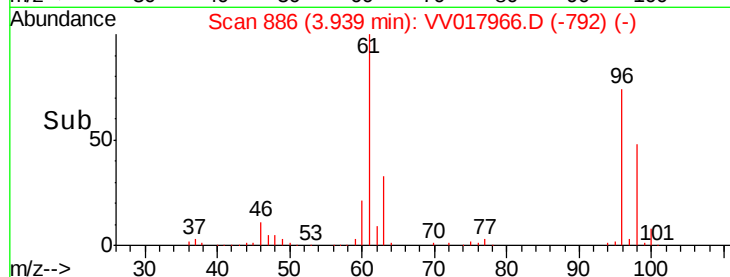
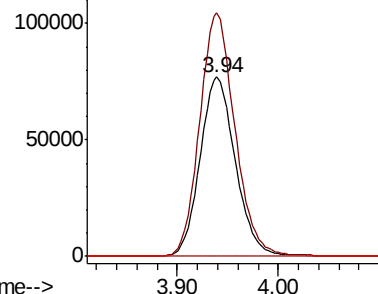
cis-1,2-Dichloroethene
Concen: 94.865 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017966.D
Acq: 13 Aug 2020 13:04

Instrument :
MSVOA_V
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Tot Ion: 96 Resp: 187820
Ion Ratio Lower Upper
96 100
61 135.7 95.0 176.4
68 0.0 0.0 0.0



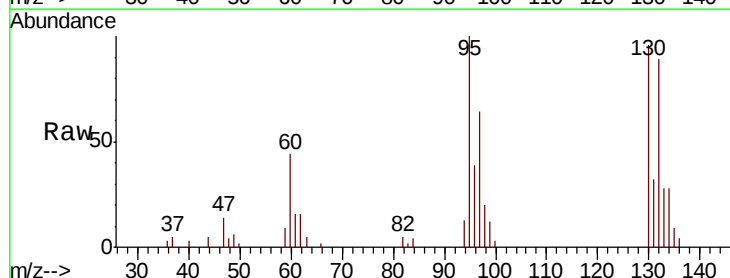
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



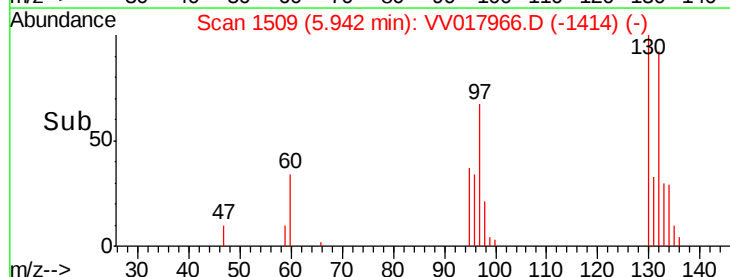
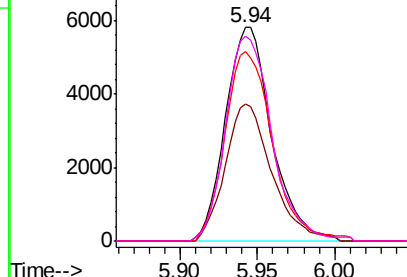
#34

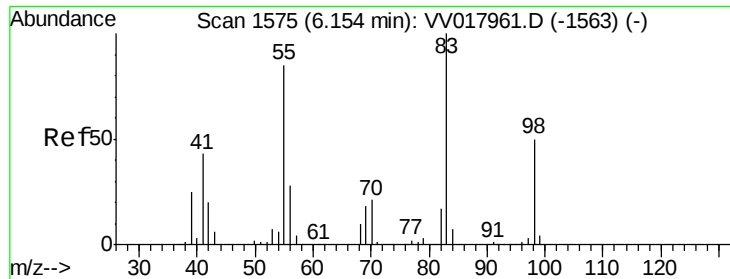
Trichloroethene
Concen: 5.655 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017966.D
Acq: 13 Aug 2020 13:04

Tgt Ion: 95 Resp: 12036
Ion Ratio Lower Upper
95 100
97 64.3 46.0 85.4
132 88.6 65.8 122.2
130 95.9 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): VV0
Ion 130.00 (129.70 to 130.70): VV0

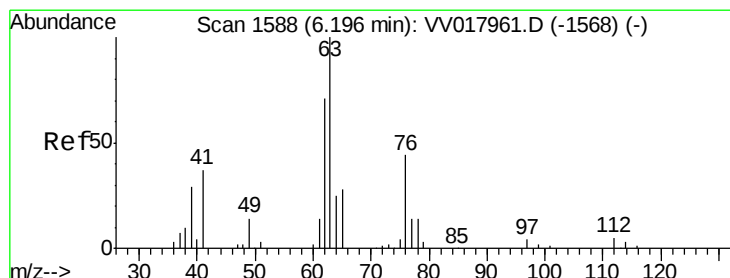
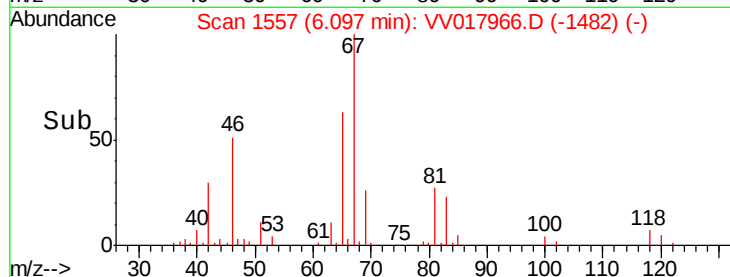
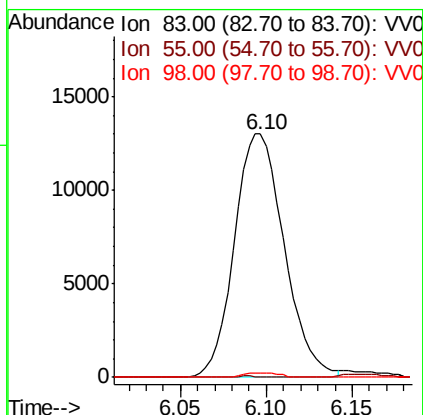
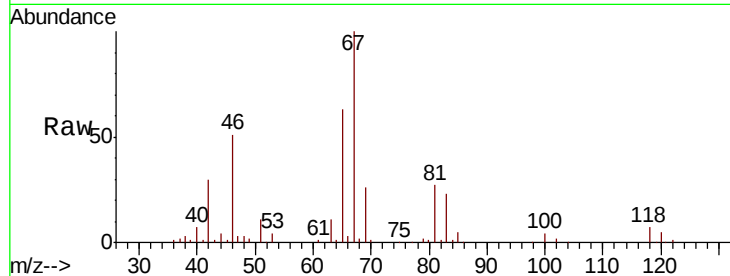




#35
Methvlcvclohexane
Concen: 8.296 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV017966.D
Acq: 13 Aug 2020 13:04

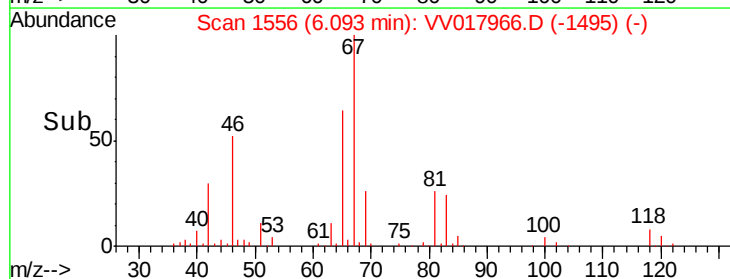
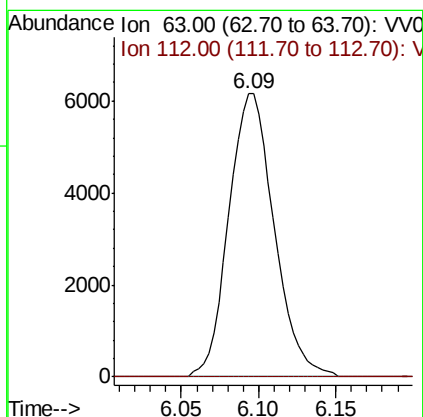
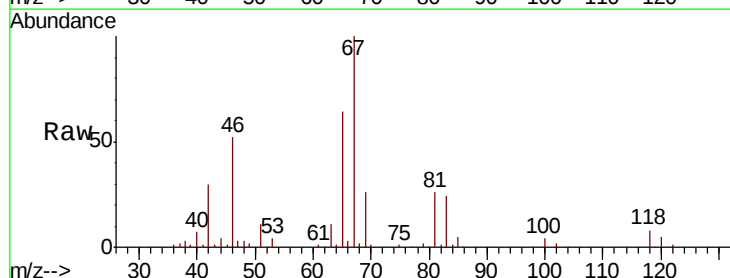
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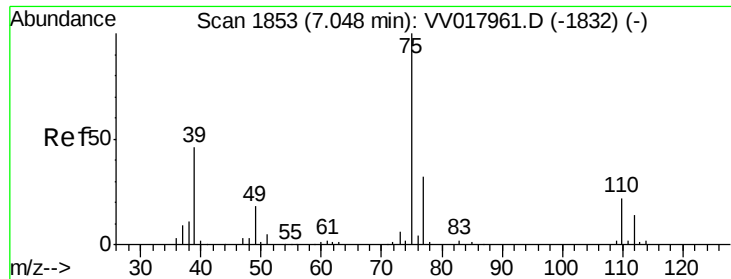
Tot Ion: 83 Resp: 26257
Ion Ratio Lower Upper
83 100
55 0.2 64.9 97.3#
98 1.2 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.718 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017966.D
Acq: 13 Aug 2020 13:04

Tgt Ion: 63 Resp: 12556
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

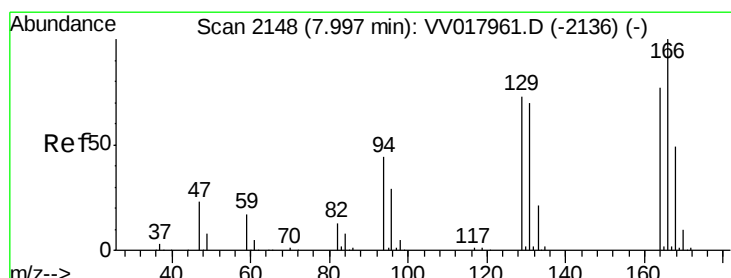
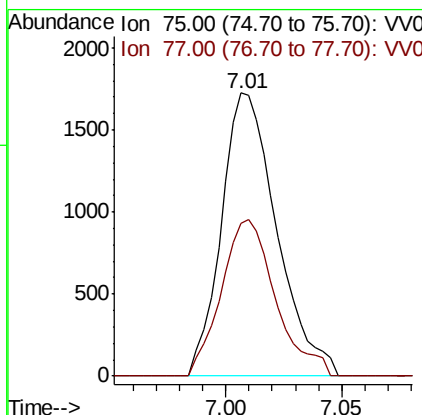
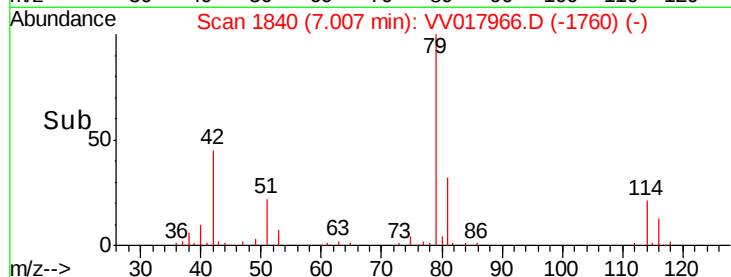
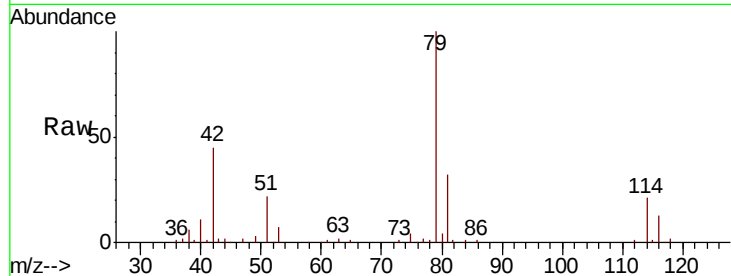




#39
 cis-1,3-Dichloropropene
 Concen: 0.917 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017966.D
 Acq: 13 Aug 2020 13:04

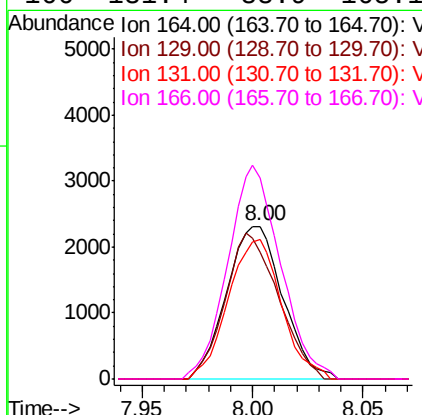
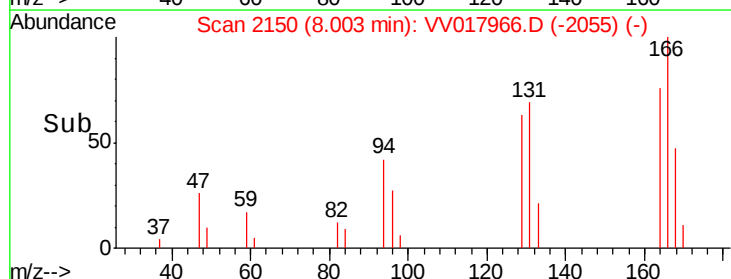
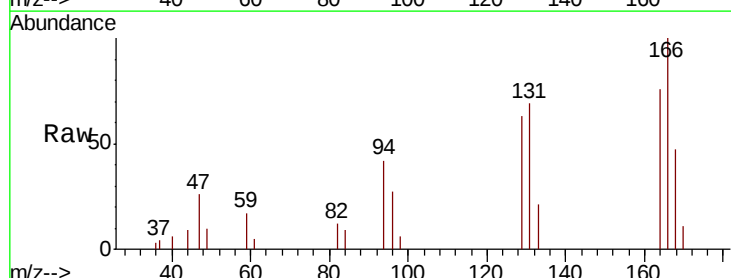
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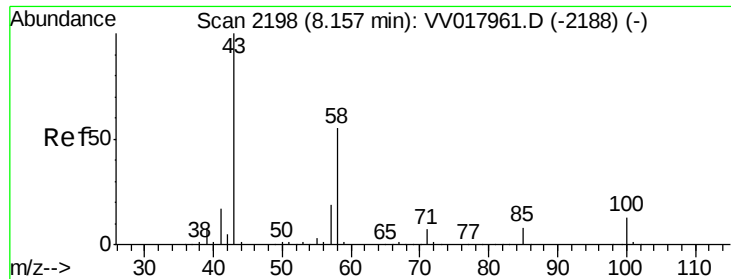
Tot Ion: 75 Resp: 2854
 Ion Ratio Lower Upper
 75 100
 77 54.2 22.3 41.5#



#46
 Tetrachloroethene
 Concen: 2.632 ug/L
 RT: 8.00 min Scan# 2150
 Delta R.T. 0.01 min
 Lab File: VV017966.D
 Acq: 13 Aug 2020 13:04

Tgt Ion: 164 Resp: 4108
 Ion Ratio Lower Upper
 164 100
 129 83.3 64.8 120.3
 131 91.2 64.5 119.9
 166 131.4 88.9 165.1

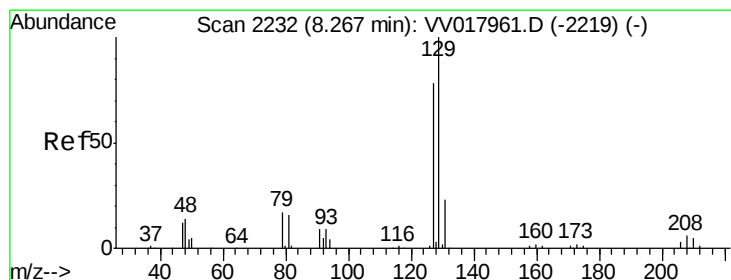
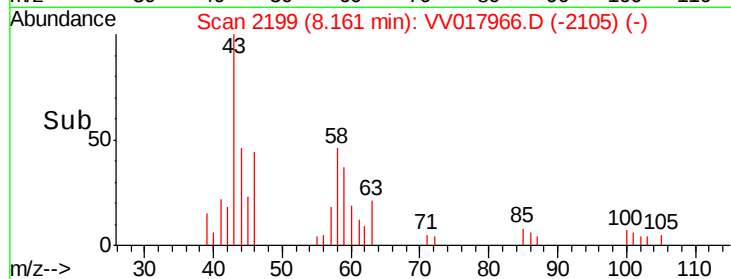
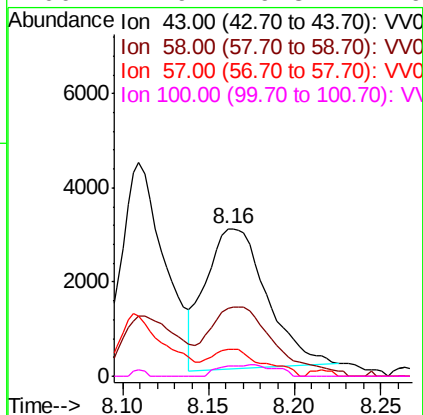
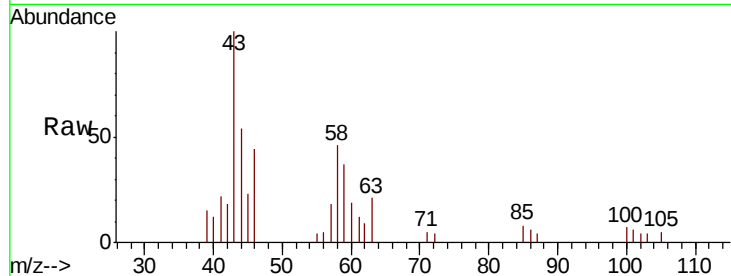




#48
2-Hexanone
Concen: 3.207 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017966.D
Acq: 13 Aug 2020 13:04

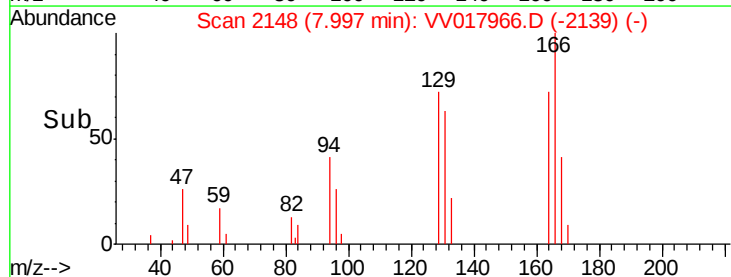
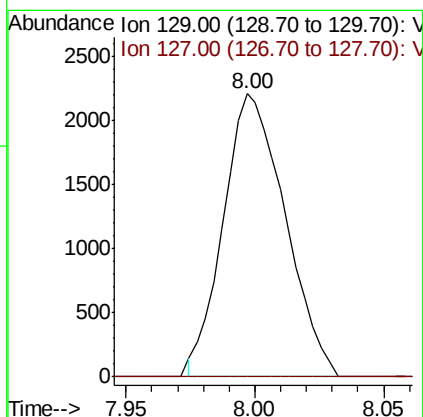
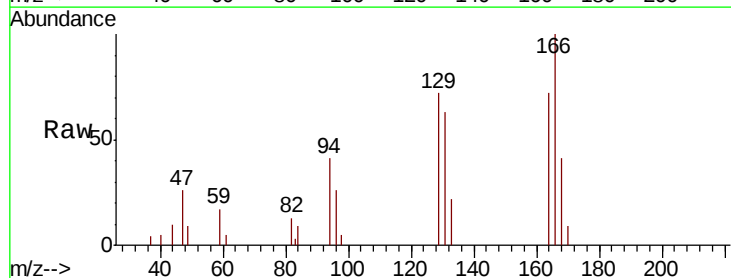
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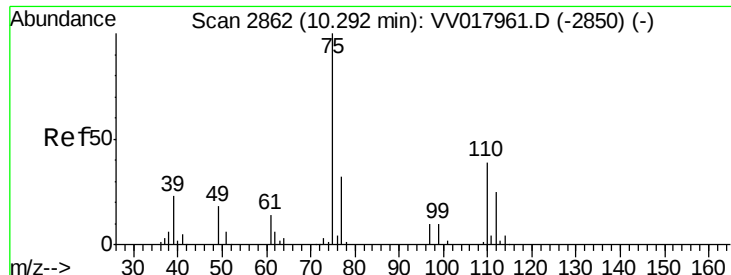
Tot Ion: 43 Resp: 7424
Ion Ratio Lower Upper
43 100
58 52.1 44.4 66.6
57 16.1 15.2 22.8
100 2.9 9.8 14.6#



#49
Dibromochloromethane
Concen: 1.850 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV017966.D
Acq: 13 Aug 2020 13:04

Tgt Ion: 129 Resp: 3672
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#





#59
 1,2,3-Trichloropropane
 Concen: 5.433 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV017966.D
 Acq: 13 Aug 2020 13:04

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L67DL

Tot Ion: 75 Resp: 14733
 Ion Ratio Lower Upper
 75 100
 77 37.3 25.7 38.5

