

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017967.D
 Acq On : 13 Aug 2020 13:27
 Operator : SY/MD
 Sample : L3644-12DL 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L68DL

Quant Time: Aug 14 04:16:35 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	251668	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	247434	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	117141	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81968	42.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.38%
7) Chloroethane-d5	1.58	69	73539	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.62%
11) 1,1-Dichloroethene-d2	2.12	63	128054	34.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.72%
21) 2-Butanone-d5	3.90	46	116924	92.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.97%
24) Chloroform-d	4.38	84	164556	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	5.06	65	112790	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
32) Benzene-d6	5.08	84	330802	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
36) 1,2-Dichloropropane-d6	6.09	67	108452	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.30%
41) Toluene-d8	7.34	98	290827	47.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.84%
43) trans-1,3-Dichloropropene-	7.64	79	45892	45.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.78%
47) 2-Hexanone-d5	8.11	63	57136	79.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	133004	45.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	120970	52.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.94%

Target Compounds

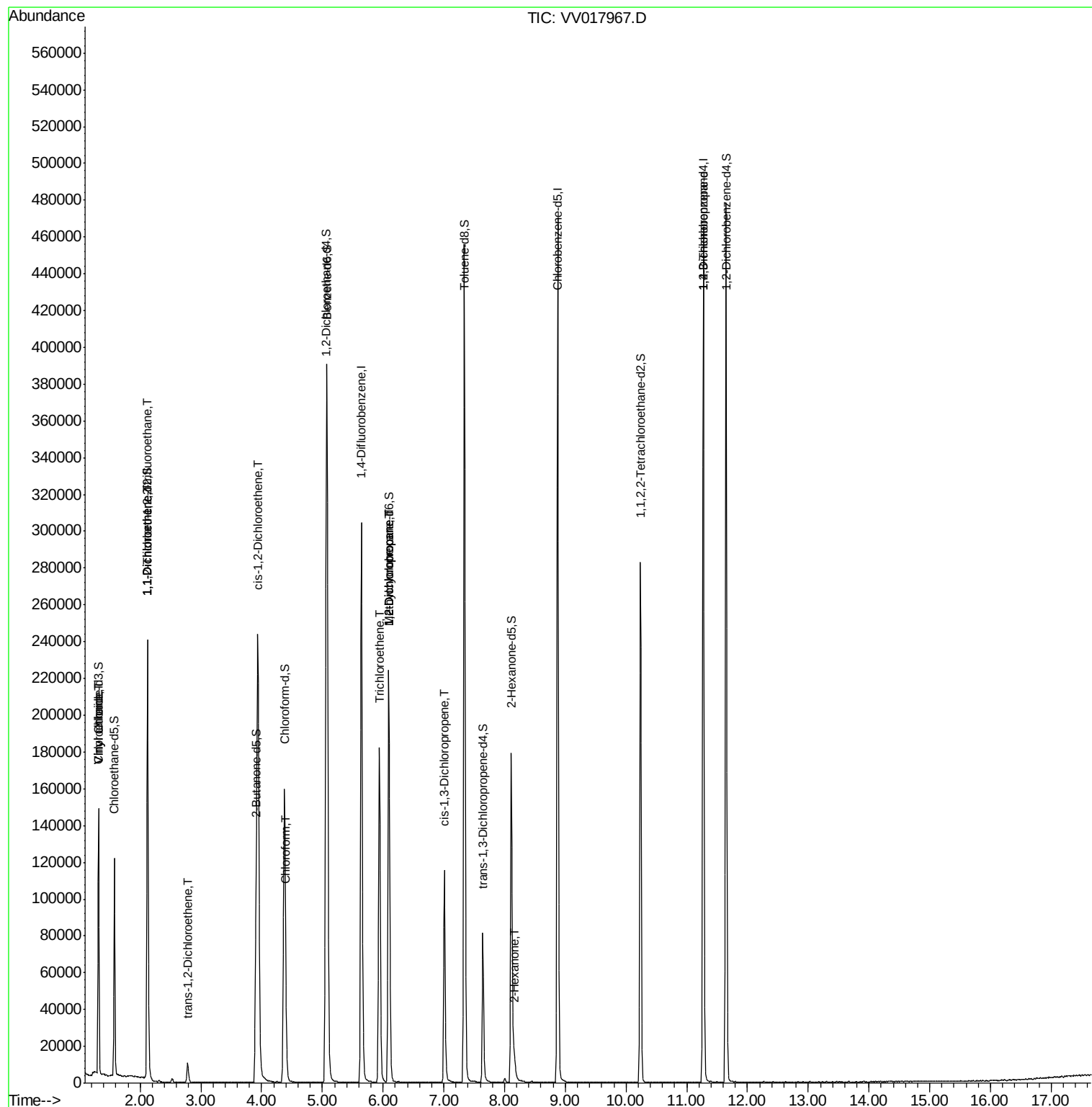
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	9563	4.276	ug/L #	63
8) Chloroethane	1.32	64	4583	3.211	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1208	0.677	ug/L #	20
12) 1,1-Dichloroethene	2.12	96	1226	0.726	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	4079	2.351	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	125063	65.581	ug/L	98
25) Chloroform	4.41	83	2571	0.722	ug/L	83
34) Trichloroethene	5.94	95	61713	30.498	ug/L	97
35) Methylcyclohexane	6.09	83	26119	8.681	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12075	5.784	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2890	0.977	ug/L #	69
48) 2-Hexanone	8.16	43	7175	3.260	ug/L #	88
59) 1,2,3-Trichloropropane	11.27	75	13866	5.378	ug/L	92

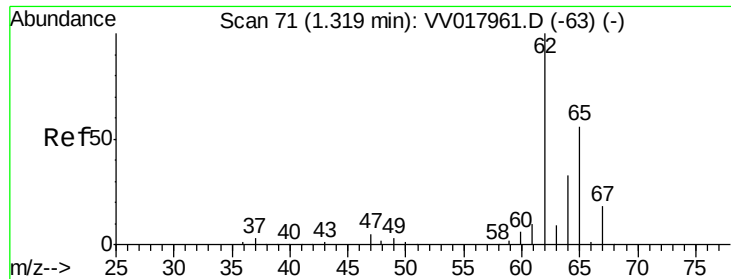
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 14 04:14:46 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.276 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017967.D

Acq: 13 Aug 2020 13:27

Instrument :

MSVOA_V

ClientSampled :

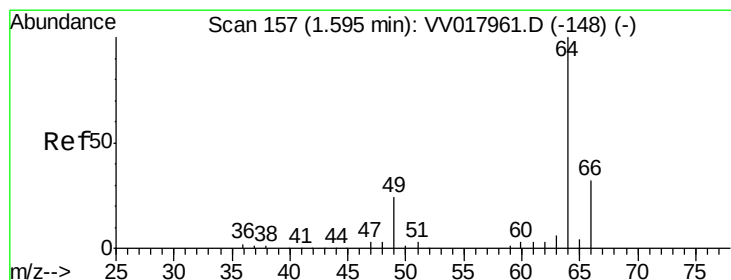
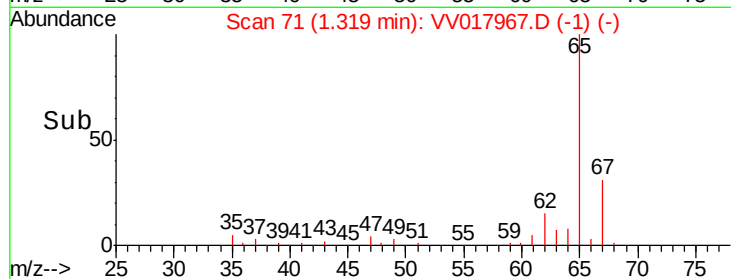
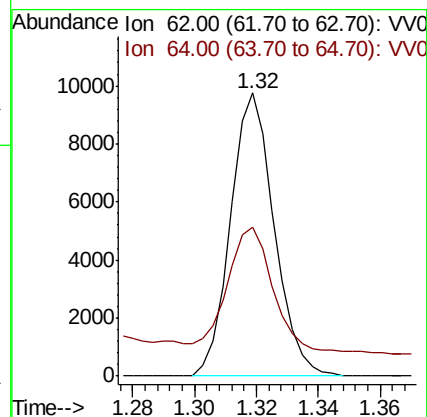
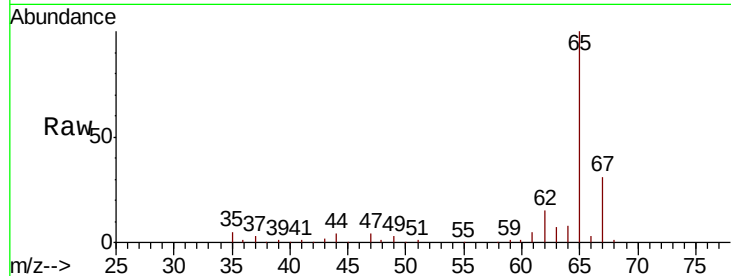
F2L68DL

Tot Ion: 62 Resp: 9563

Ion Ratio Lower Upper

62 100

64 52.5 22.4 41.6#



#8

Chloroethane

Concen: 3.211 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV017967.D

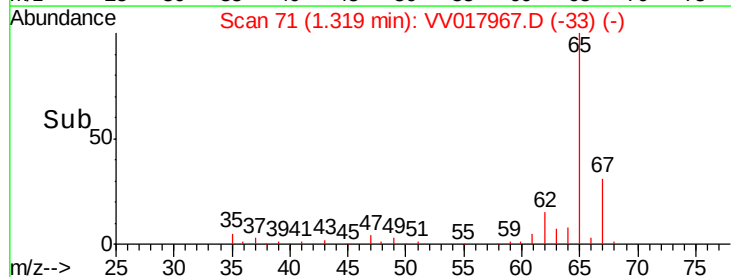
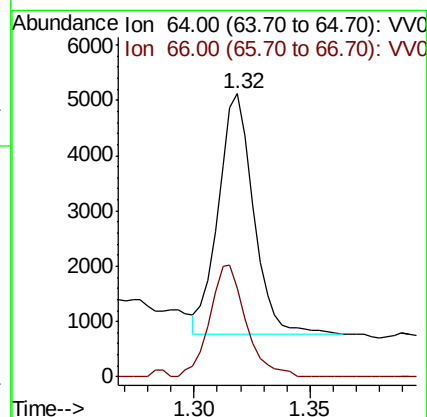
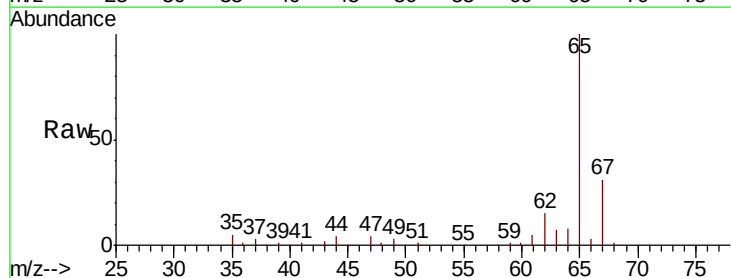
Acq: 13 Aug 2020 13:27

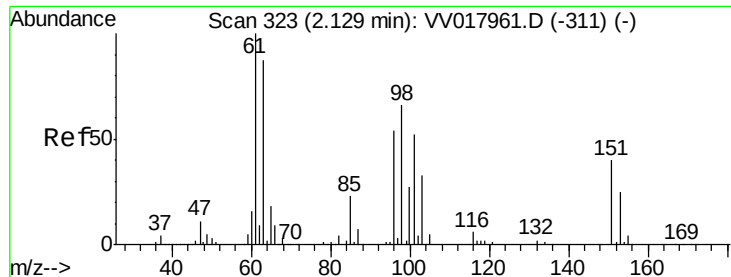
Tgt Ion: 64 Resp: 4583

Ion Ratio Lower Upper

64 100

66 31.6 22.3 41.3





#10

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

Concen: 0.677 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017967.D

Acq: 13 Aug 2020 13:27

Instrument :

MSVOA_V

ClientSampled :

F2L68DL

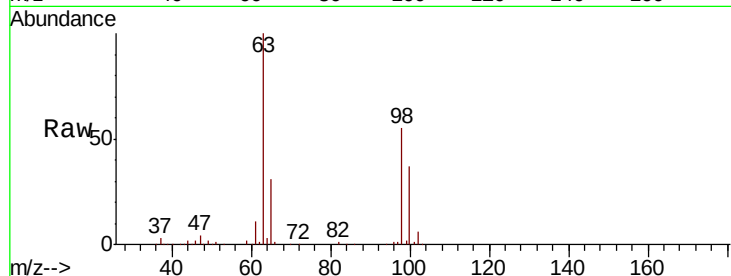
Tot Ion:101 Resp: 1208

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

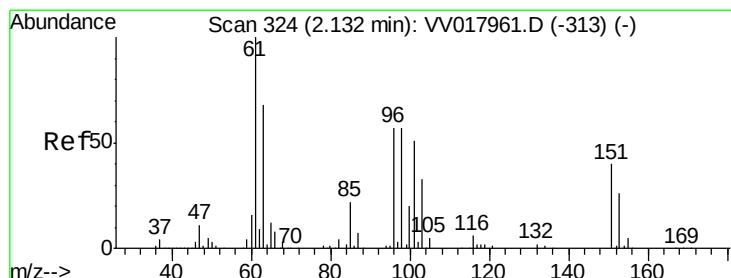
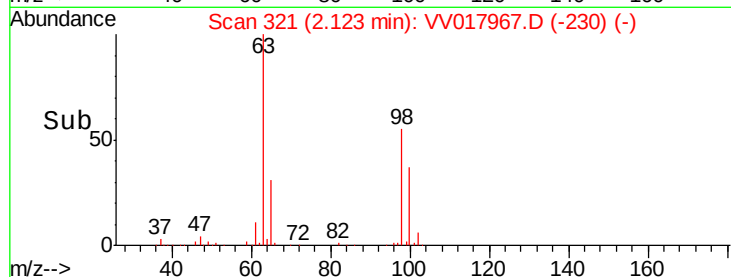
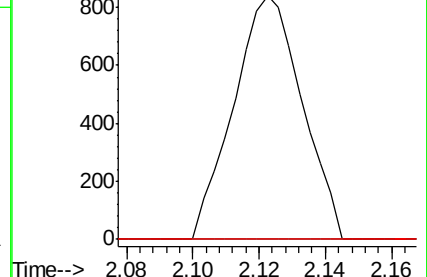
151 0.0 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.726 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017967.D

Acq: 13 Aug 2020 13:27

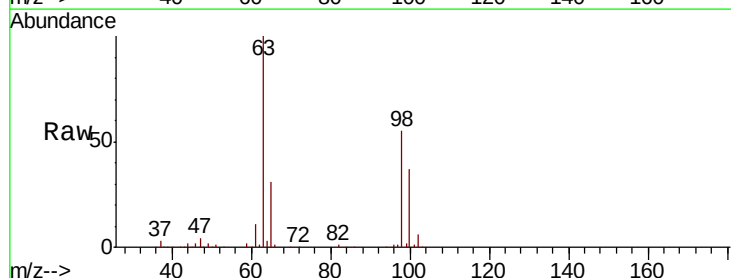
Tgt Ion: 96 Resp: 1226

Ion Ratio Lower Upper

96 100

61 1290.1 127.1 236.0#

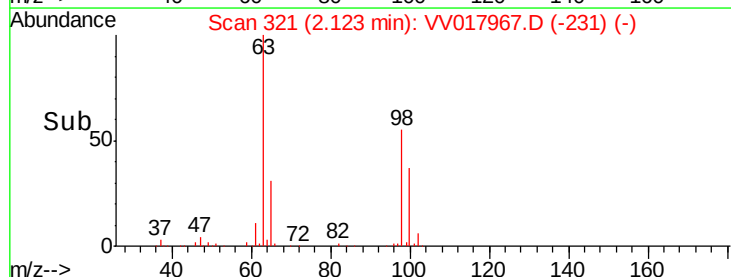
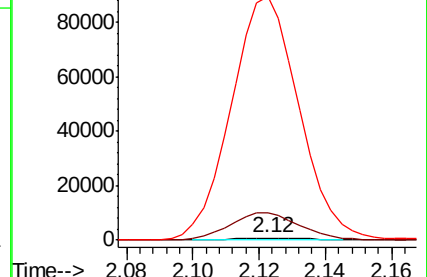
63 11542.7 95.2 176.8#

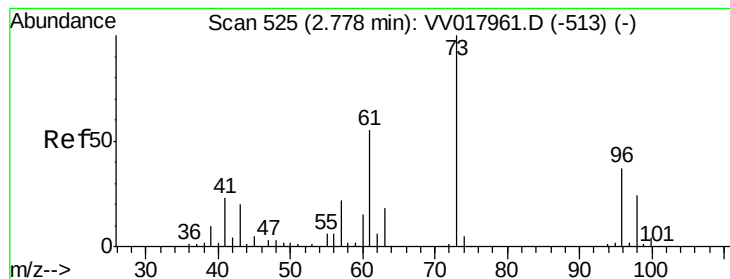


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 2.351 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017967.D

Acq: 13 Aug 2020 13:27

Instrument :

MSVOA_V

ClientSampleId :

F2L68DL

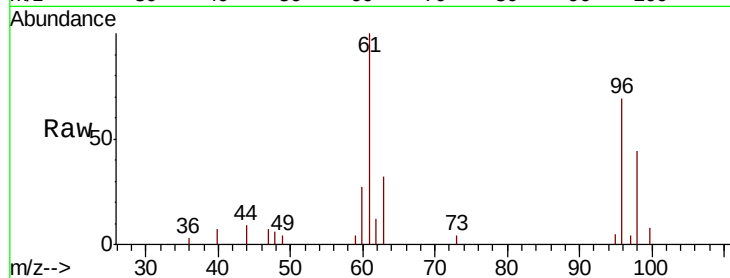
Tot Ion: 96 Resp: 4079

Ion Ratio Lower Upper

96 100

61 145.9 102.4 190.2

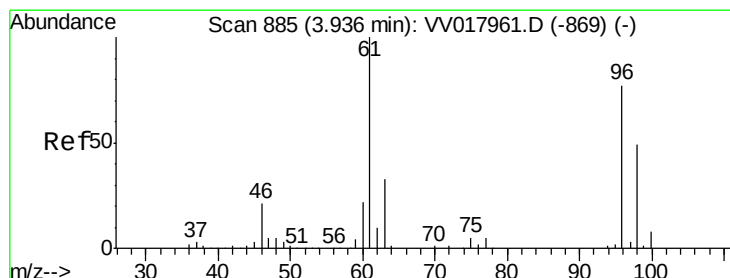
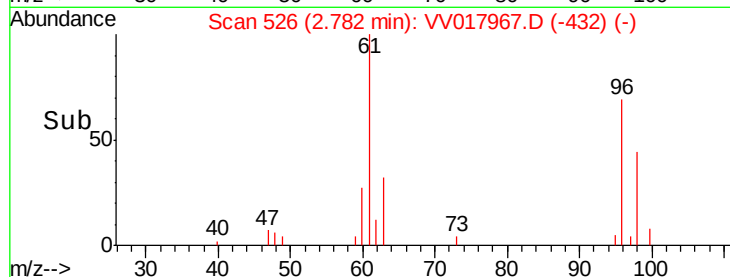
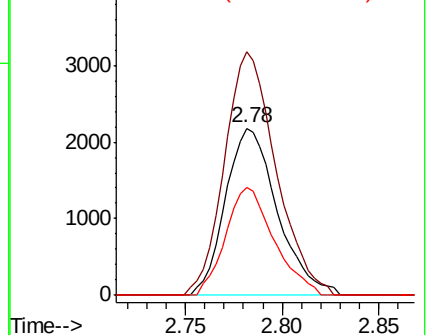
98 64.8 44.4 82.5



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: 65.581 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017967.D

Acq: 13 Aug 2020 13:27

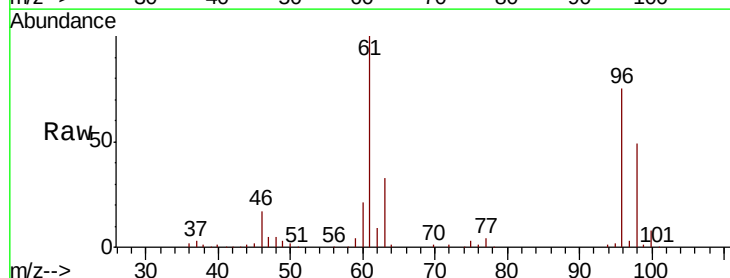
Tgt Ion: 96 Resp: 125063

Ion Ratio Lower Upper

96 100

61 132.9 95.0 176.4

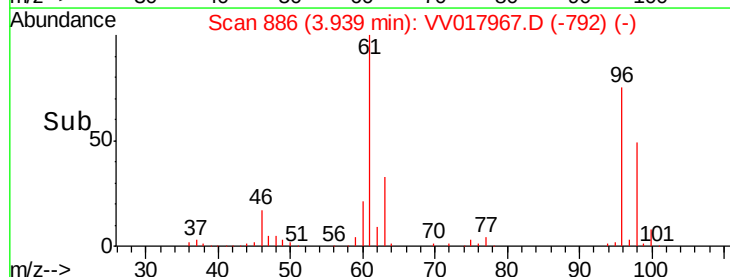
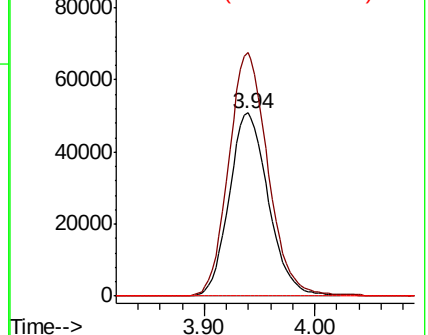
68 0.0 0.0 0.0

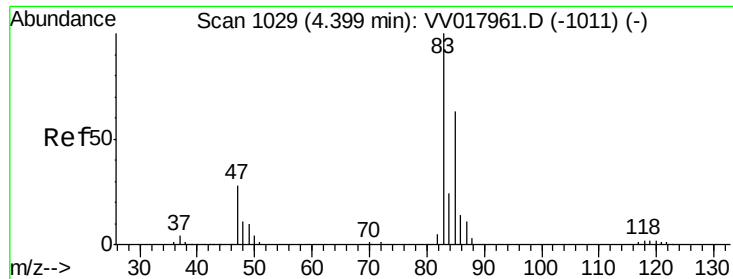


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

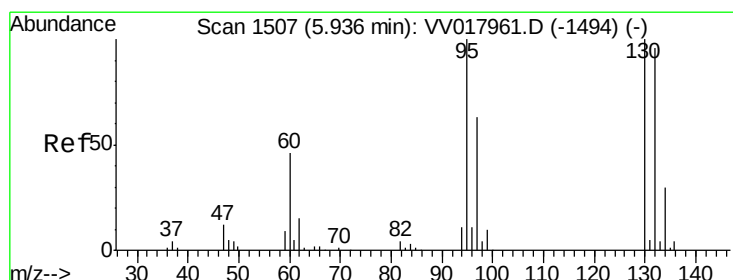
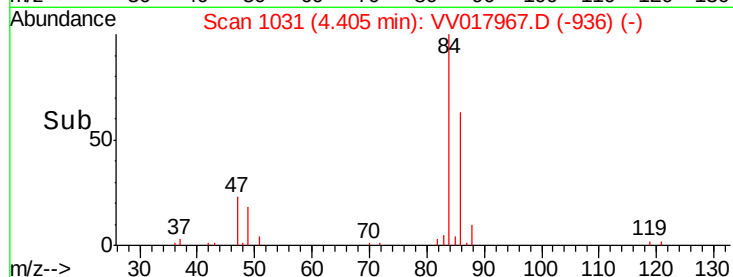
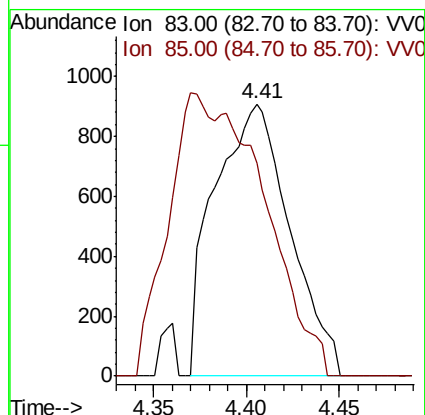
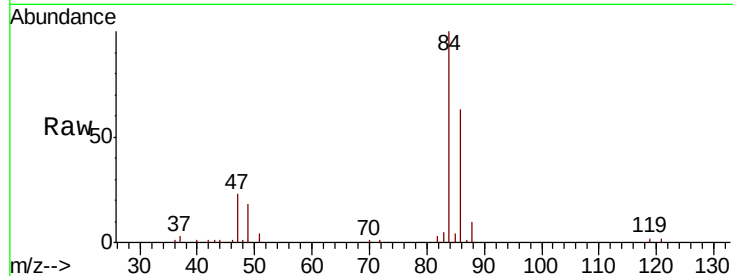




#25
Chloroform
Concen: 0.722 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV017967.D
Acq: 13 Aug 2020 13:27

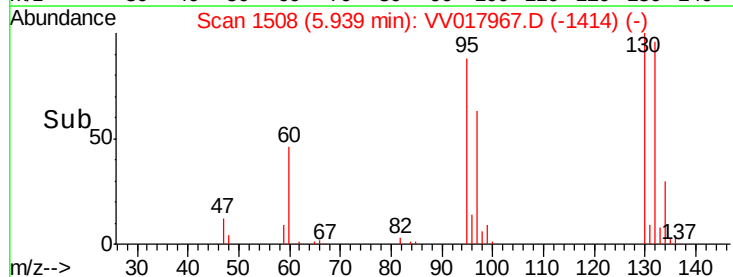
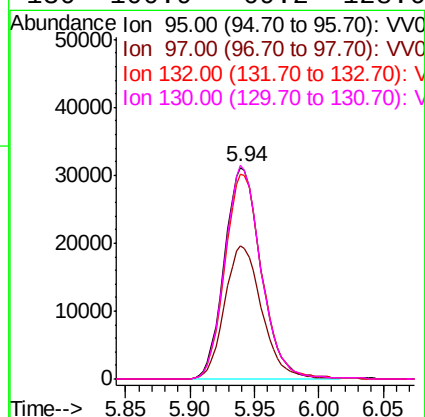
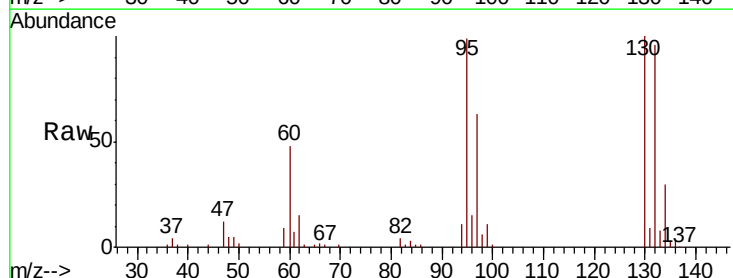
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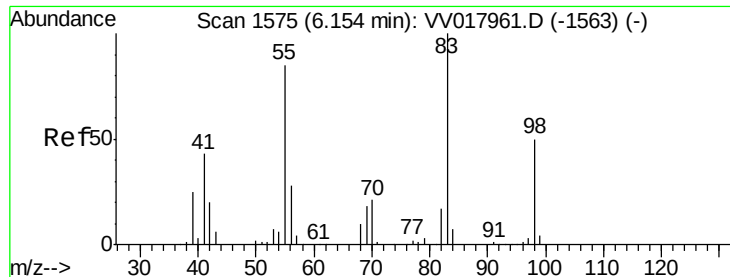
Tot Ion: 83 Resp: 2571
Ion Ratio Lower Upper
83 100
85 78.1 45.5 84.5



#34
Trichloroethene
Concen: 30.498 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017967.D
Acq: 13 Aug 2020 13:27

Tgt Ion: 95 Resp: 61713
Ion Ratio Lower Upper
95 100
97 63.2 46.0 85.4
132 96.9 65.8 122.2
130 100.9 69.2 128.6

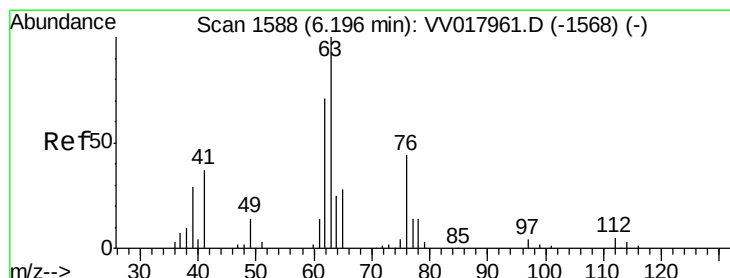
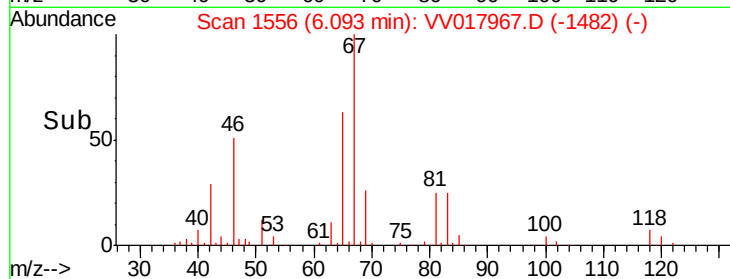
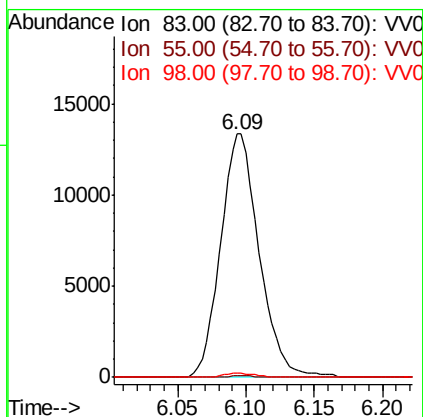
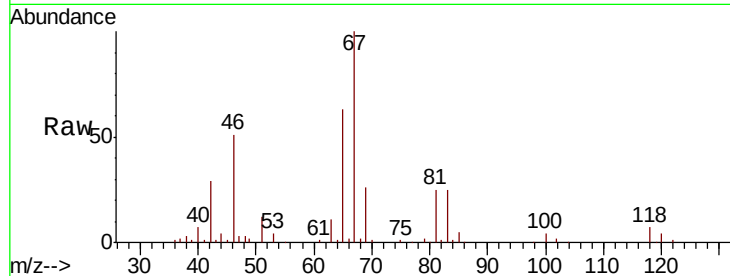




#35
Methvlcvclohexane
Concen: 8.681 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017967.D
Acq: 13 Aug 2020 13:27

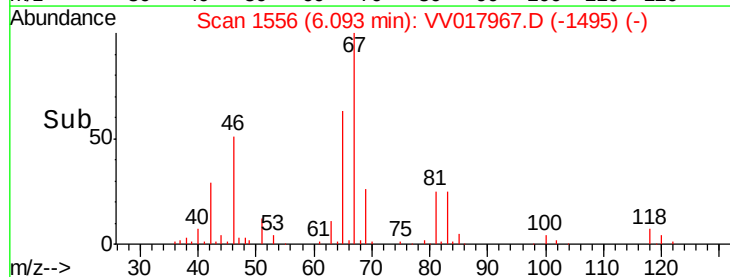
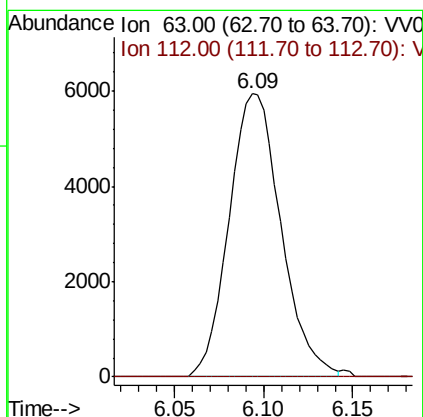
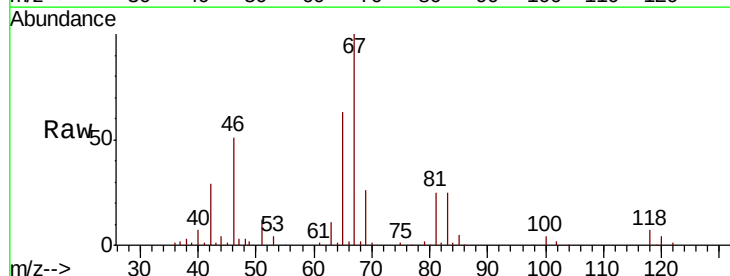
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ClientSampled :
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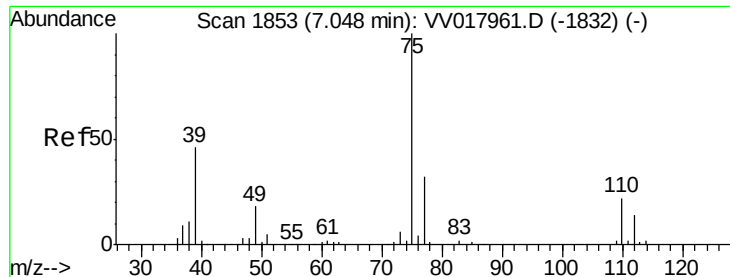
Tot Ion: 83 Resp: 26119
Ion Ratio Lower Upper
83 100
55 0.4 64.9 97.3#
98 1.3 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 5.784 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017967.D
Acq: 13 Aug 2020 13:27

Tgt Ion: 63 Resp: 12075
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

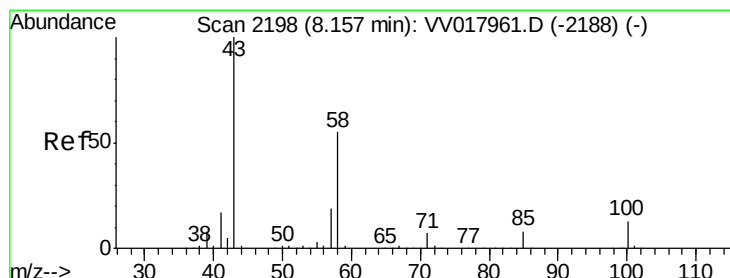
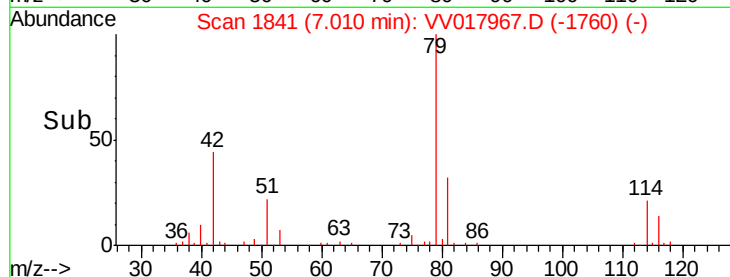
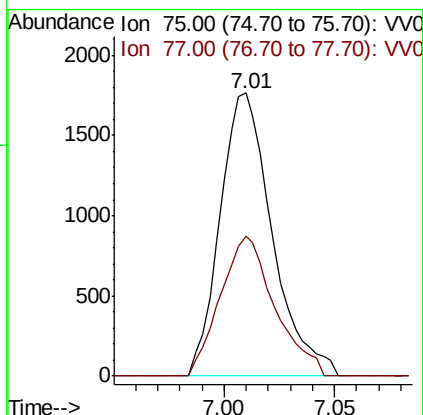
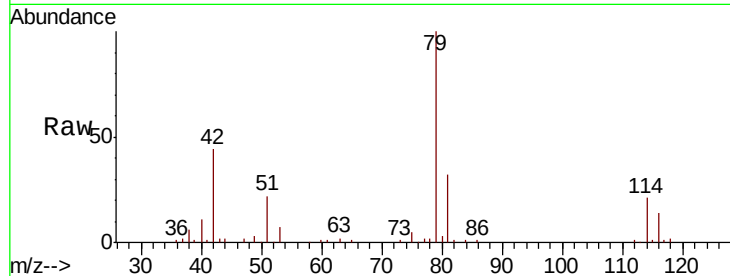




#39
 cis-1,3-Dichloropropene
 Concen: 0.977 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017967.D
 Acq: 13 Aug 2020 13:27

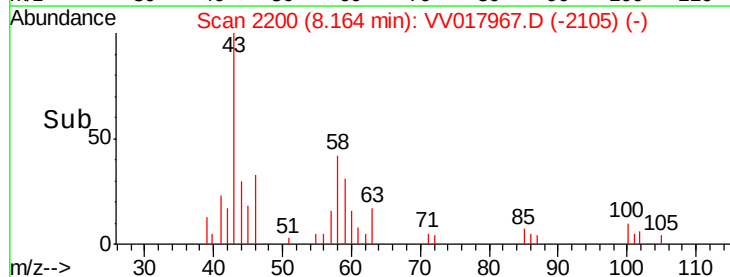
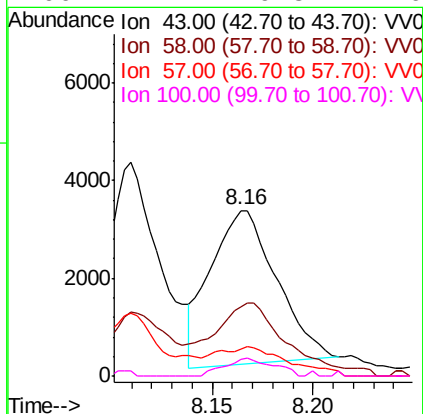
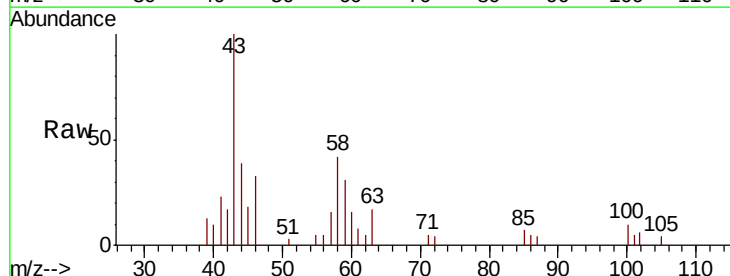
Instrument :
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 ClientSampleId :
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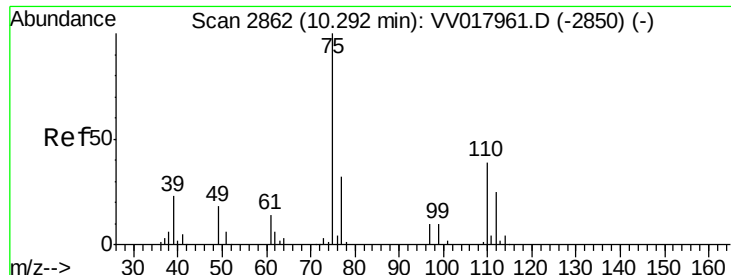
Tot Ion: 75 Resp: 2890
 Ion Ratio Lower Upper
 75 100
 77 49.3 22.3 41.5#



#48
 2-Hexanone
 Concen: 3.260 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV017967.D
 Acq: 13 Aug 2020 13:27

Tgt Ion: 43 Resp: 7175
 Ion Ratio Lower Upper
 43 100
 58 46.9 44.4 66.6
 57 14.2 15.2 22.8#
 100 7.1 9.8 14.6#





#59
 1,2,3-Trichloropropane
 Concen: 5.378 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV017967.D
 Acq: 13 Aug 2020 13:27

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L68DL

Tot Ion: 75 Resp: 13866
 Ion Ratio Lower Upper
 75 100
 77 36.4 25.7 38.5

