

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017941.D
 Acq On : 12 Aug 2020 21:50
 Operator : SY/MD
 Sample : L3644-01DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L61DL

Quant Time: Aug 13 06:00:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	165824	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	164818	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	72806	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	121525	96.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	192.10%#
7) Chloroethane-d5	1.58	69	105067	101.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	203.00%#
11) 1,1-Dichloroethene-d2	2.12	63	183768	75.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	151.86%#
21) 2-Butanone-d5	3.91	46	174328	210.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	210.37%#
24) Chloroform-d	4.38	84	228215	99.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	198.18%#
26) 1,2-Dichloroethane-d4	5.06	65	158956	106.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	212.52%#
32) Benzene-d6	5.07	84	461933	101.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	203.40%#
36) 1,2-Dichloropropane-d6	6.09	67	152090	102.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	204.84%#
41) Toluene-d8	7.34	98	409114	100.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	200.30%#
43) trans-1,3-Dichloropropene-	7.64	79	65544	97.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	194.62%#
47) 2-Hexanone-d5	8.11	63	89312	187.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	187.42%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184024	95.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	190.32%#
64) 1,2-Dichlorobenzene-d4	11.65	152	160443	111.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	223.94%#

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	52769	35.813	ug/L 95
9) Trichlorofluoromethane	2.12	101	1636	0.777	ug/L # 36
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1636	1.392	ug/L # 20
12) 1,1-Dichloroethene	2.13	96	2124	1.909	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	4490	3.927	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	147832	117.652	ug/L 100
25) Chloroform	4.40	83	5757	2.455	ug/L 94
34) Trichloroethene	5.94	95	78061	57.914	ug/L 99
35) Methylcyclohexane	6.09	83	35951	17.937	ug/L # 17
37) 1,2-Dichloropropane	6.10	63	16679	11.994	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	3903	1.980	ug/L # 76
40) 4-Methyl-2-pentanone	7.34	43	2018	1.110	ug/L # 1
44) trans-1,3-Dichloropropene	7.64	75	2686	1.436	ug/L # 78
45) 1,1,2-Trichloroethane	7.99	97	801	0.622	ug/L # 23
46) Tetrachloroethene	8.00	164	84239	85.218	ug/L 98
48) 2-Hexanone	8.16	43	7986	5.448	ug/L # 73
49) Dibromochloromethane	8.00	129	77752	61.854	ug/L # 10

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration

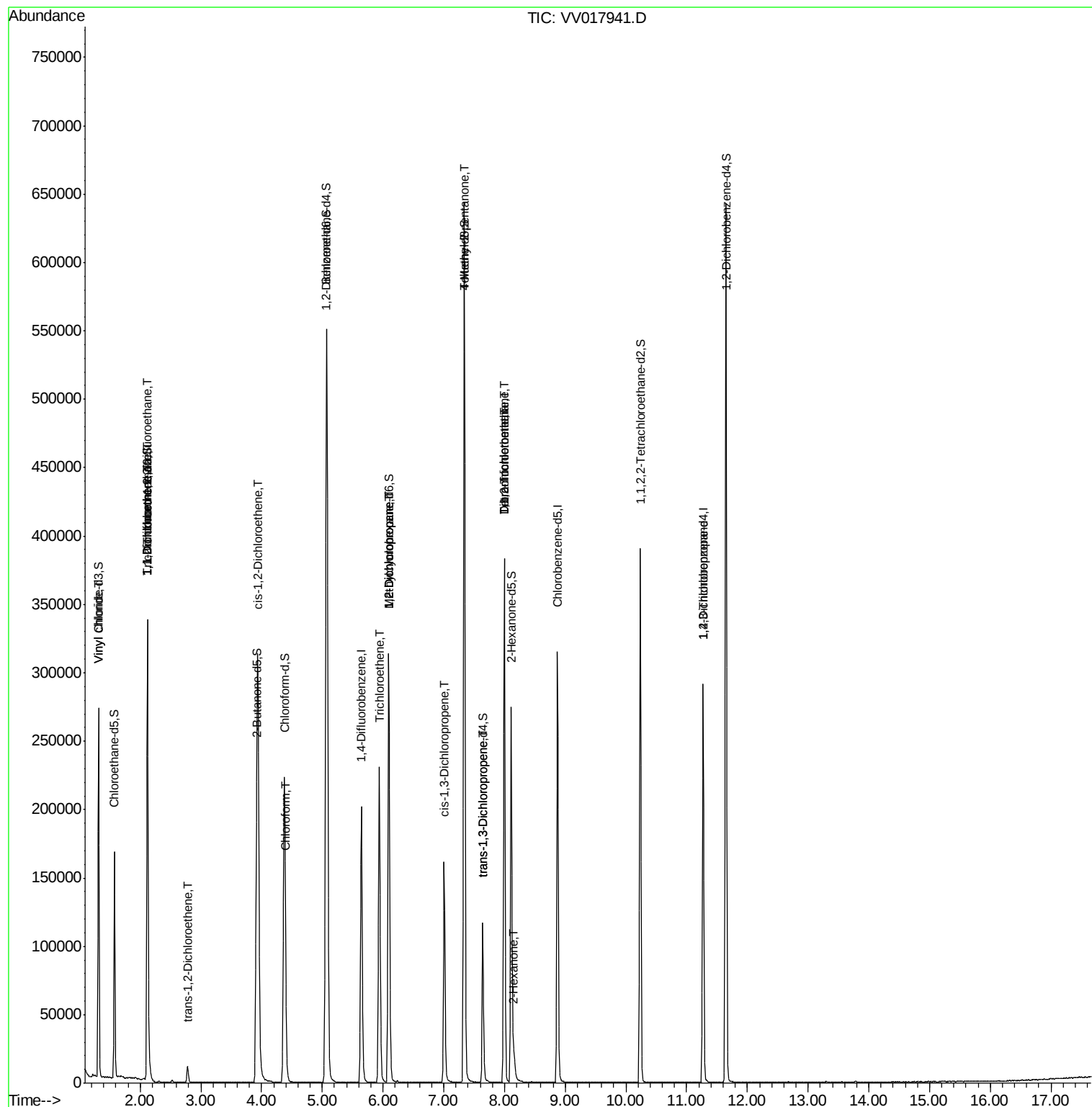
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.27	75	8682	5.055	ug/L #	85

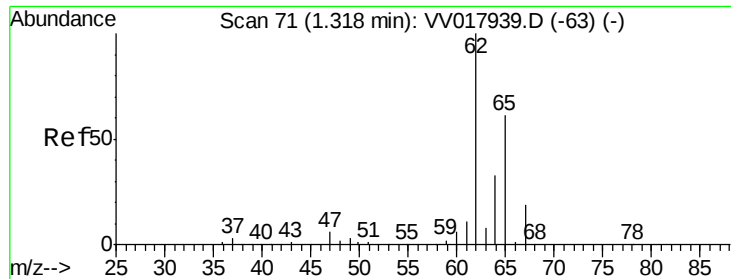
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV081220\
Data File : VV017941.D
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 35.813 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017941.D

Acq: 12 Aug 2020 21:50

Instrument :

MSVOA_V

ClientSampled :

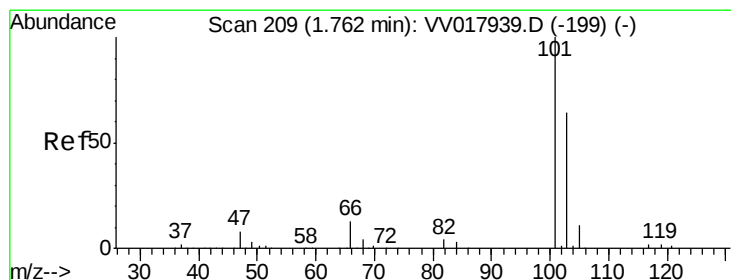
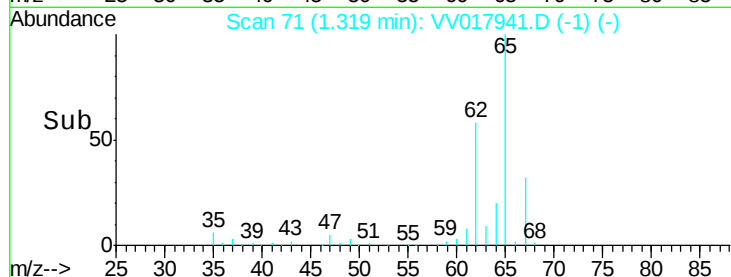
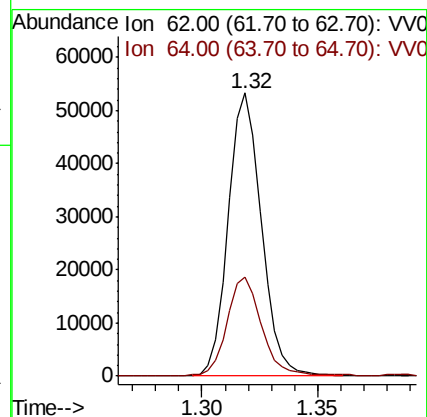
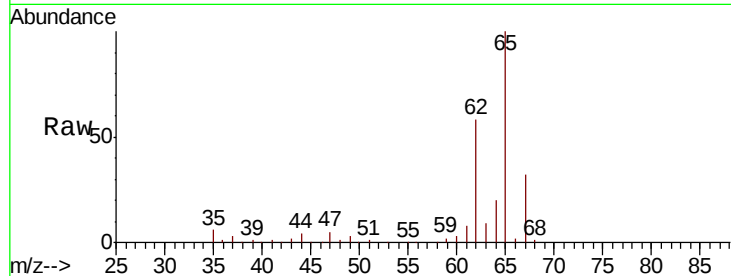
F2L61DL

Tot Ion: 62 Resp: 52769

Ion Ratio Lower Upper

62 100

64 35.1 22.4 41.6



#9

Trichlorofluoromethane

Concen: 0.777 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.36 min

Lab File: VV017941.D

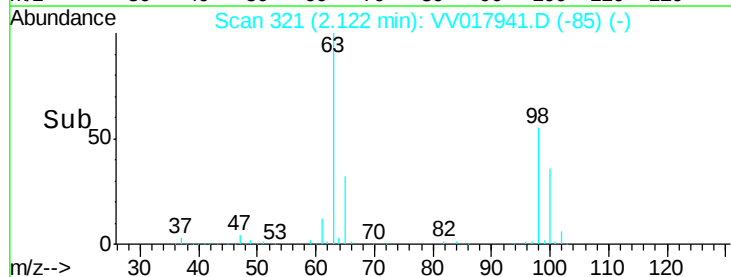
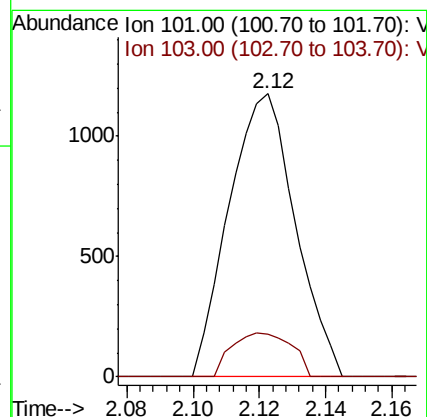
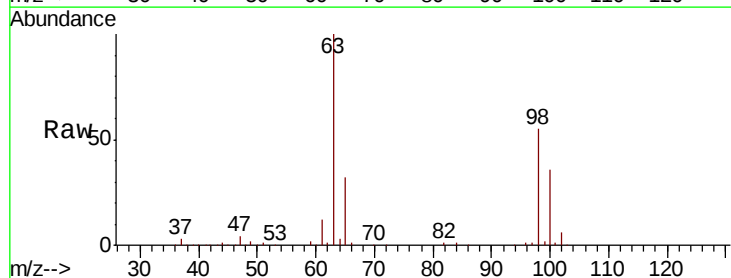
Acq: 12 Aug 2020 21:50

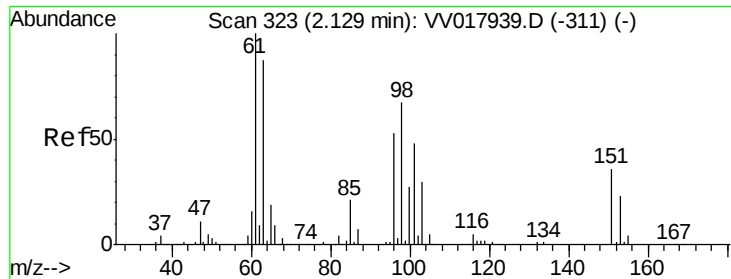
Tgt Ion: 101 Resp: 1636

Ion Ratio Lower Upper

101 100

103 13.9 51.5 77.3#





#10

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

Concen: 1.392 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017941.D

Acq: 12 Aug 2020 21:50

Instrument :

MSVOA_V

ClientSampleId :

F2L61DL

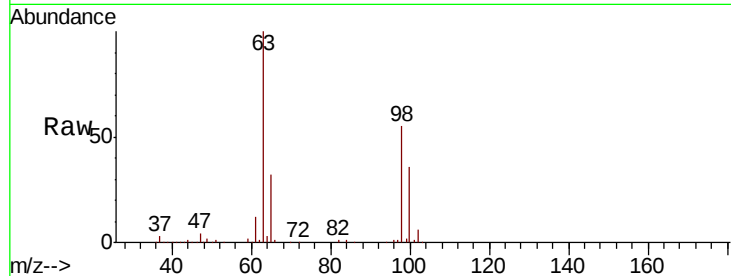
Tot Ion:101 Resp: 1636

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

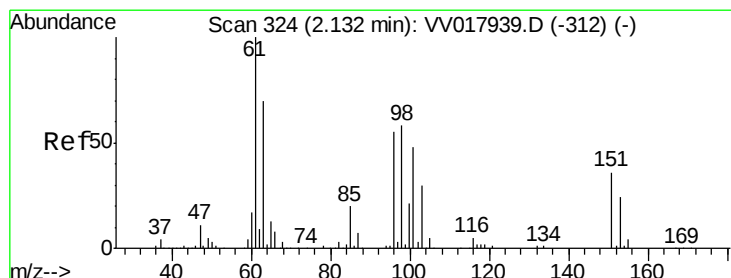
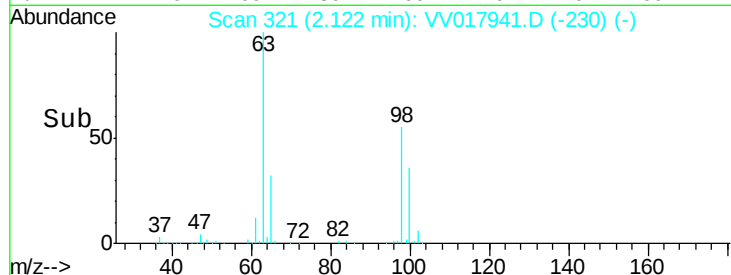
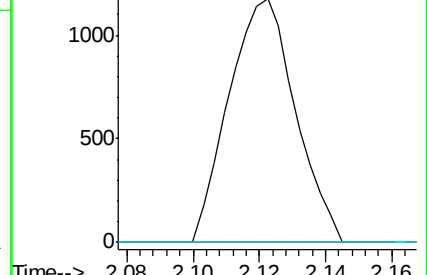
151 0.0 59.1 88.7#



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: 1.909 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017941.D

Acq: 12 Aug 2020 21:50

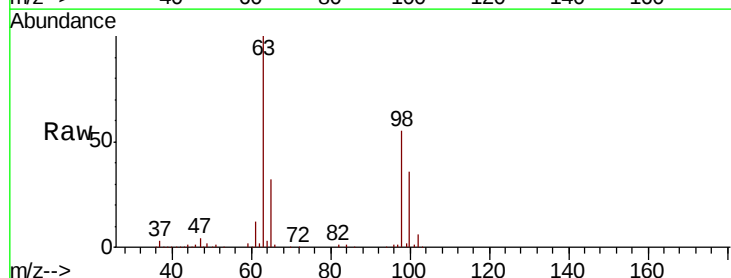
Tgt Ion: 96 Resp: 2124

Ion Ratio Lower Upper

96 100

61 1062.9 127.1 236.0#

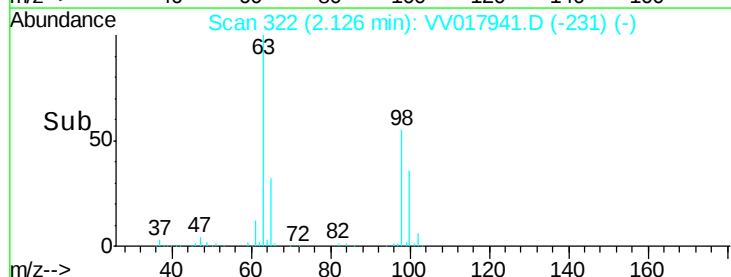
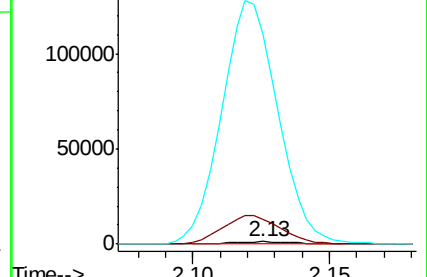
63 8853.3 95.2 176.8#

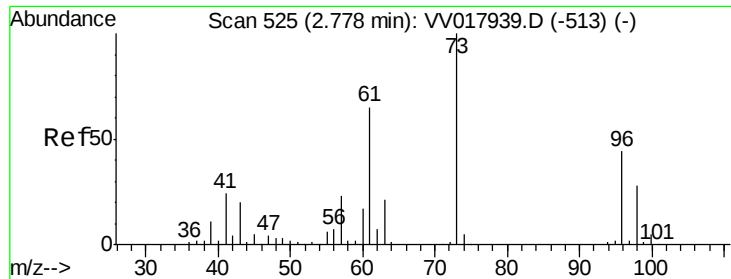


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

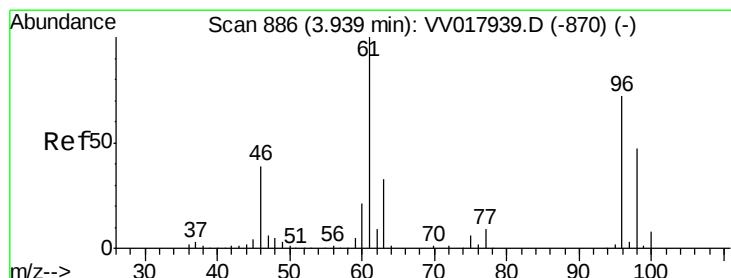
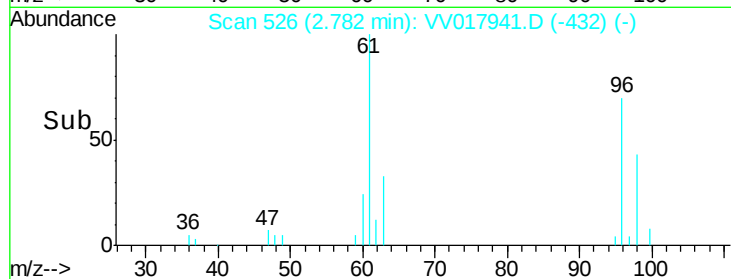
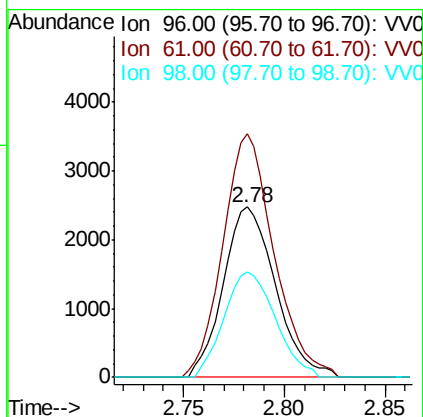
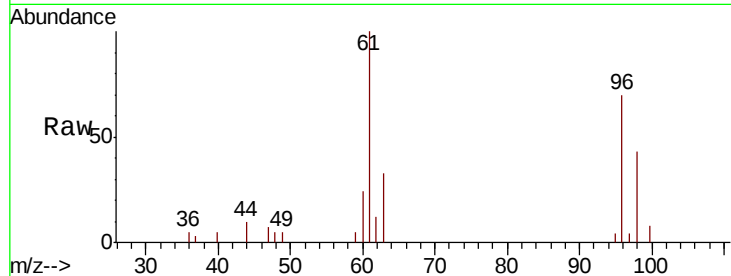




#17
trans-1,2-Dichloroethene
Concen: 3.927 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV017941.D
Acq: 12 Aug 2020 21:50

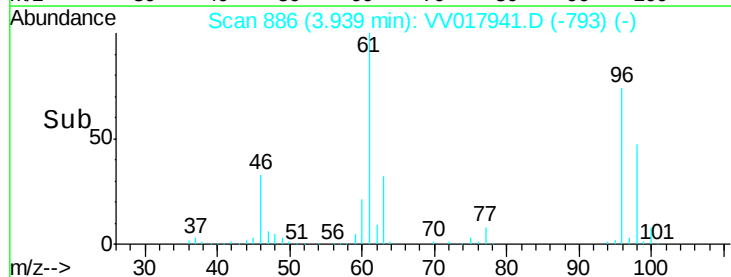
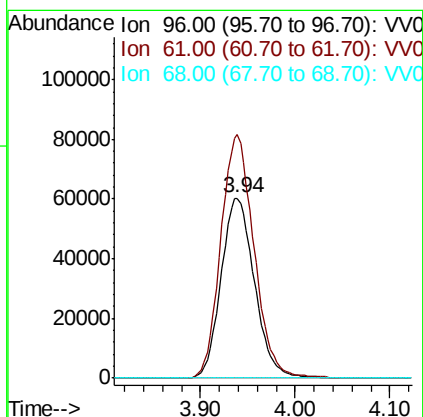
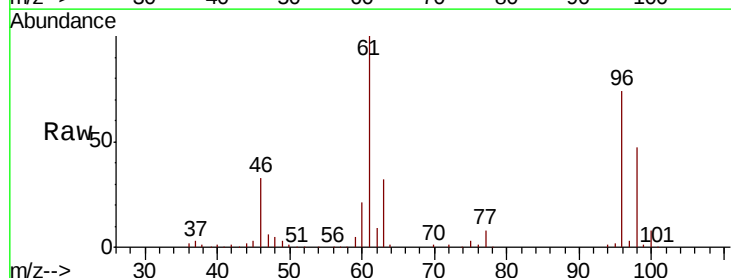
Instrument :
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ClientSampleId :
F2L61DL

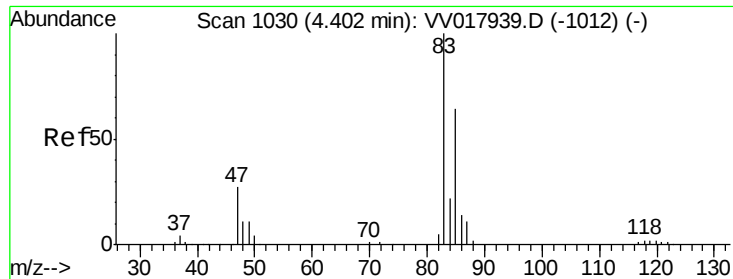
Tot Ion: 96 Resp: 4490
Ion Ratio Lower Upper
96 100
61 142.9 102.4 190.2
98 61.8 44.4 82.5



#20
cis-1,2-Dichloroethene
Concen: 117.652 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017941.D
Acq: 12 Aug 2020 21:50

Tgt Ion: 96 Resp: 147832
Ion Ratio Lower Upper
96 100
61 135.3 95.0 176.4
68 0.0 0.0 0.0

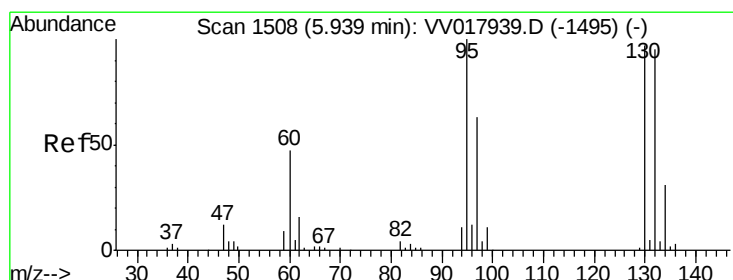
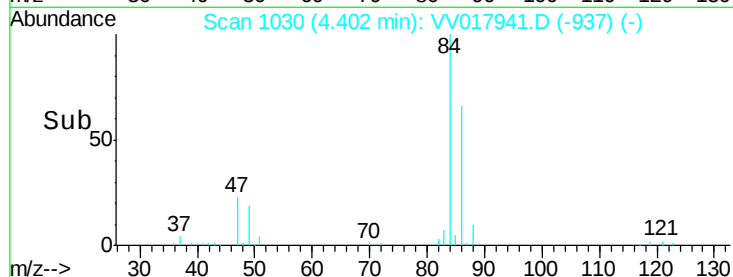
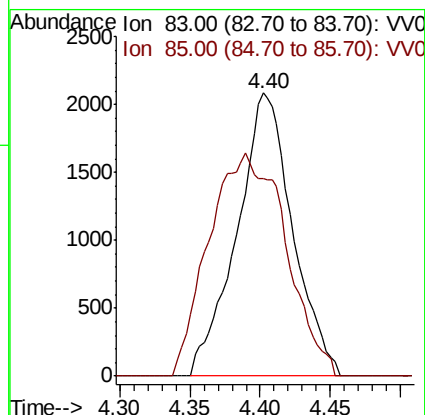
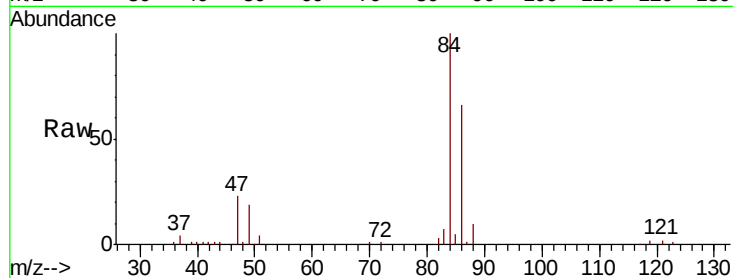




#25
Chloroform
Concen: 2.455 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017941.D
Acq: 12 Aug 2020 21:50

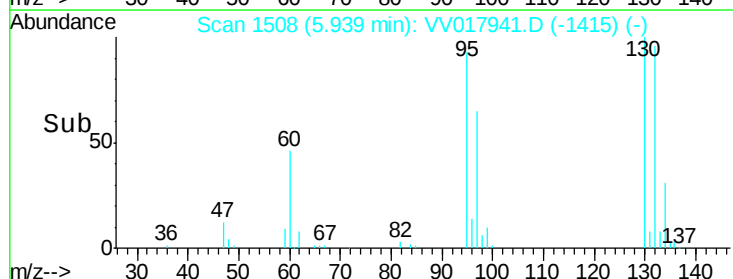
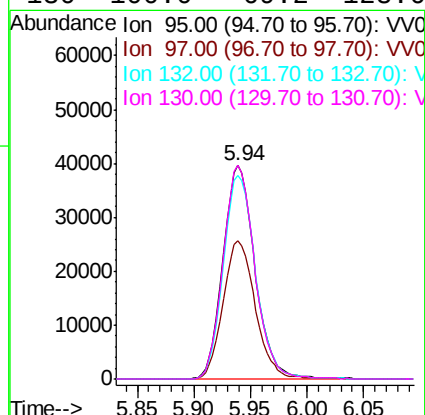
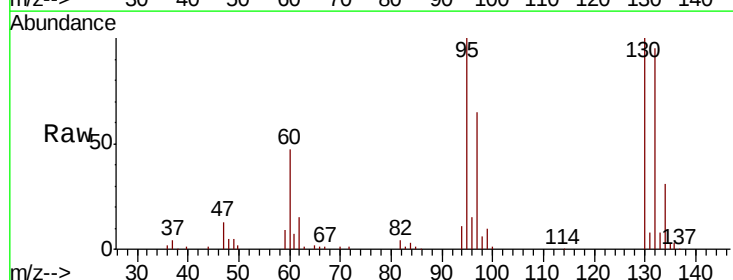
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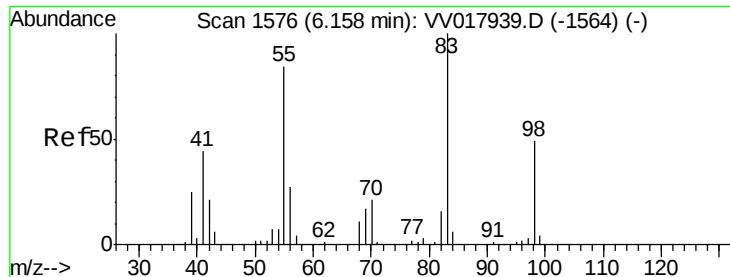
Tot Ion: 83 Resp: 5757
Ion Ratio Lower Upper
83 100
85 69.9 45.5 84.5



#34
Trichloroethene
Concen: 57.914 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017941.D
Acq: 12 Aug 2020 21:50

Tgt Ion: 95 Resp: 78061
Ion Ratio Lower Upper
95 100
97 64.7 46.0 85.4
132 95.5 65.8 122.2
130 100.0 69.2 128.6

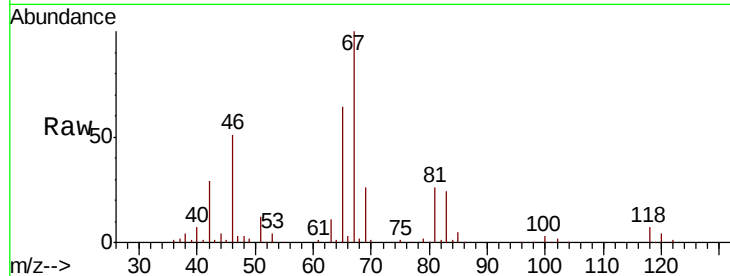




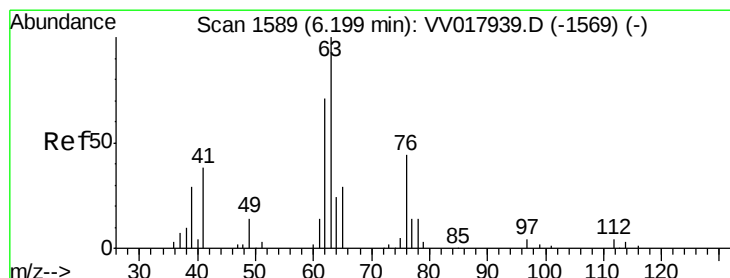
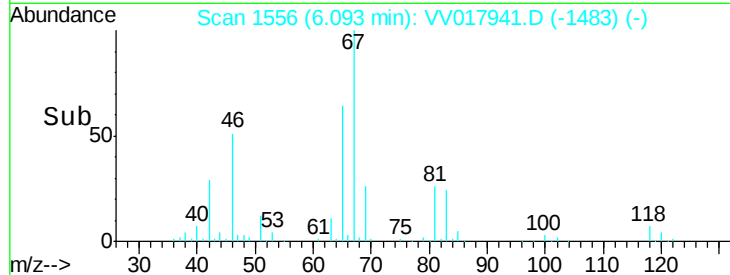
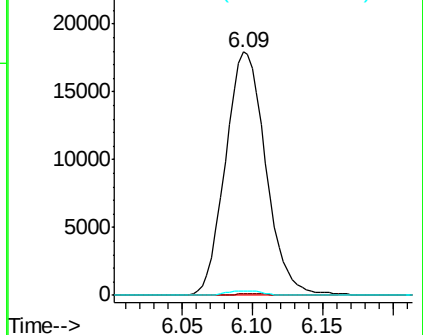
#35
Methvlcvclohexane
Concen: 17.937 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017941.D
Acq: 12 Aug 2020 21:50

Instrument :
MSVOA_V
ClientSampleId :
F2L61DL

Tot Ion: 83 Resp: 35951
Ion Ratio Lower Upper
83 100
55 0.4 64.9 97.3#
98 1.0 38.7 58.1#

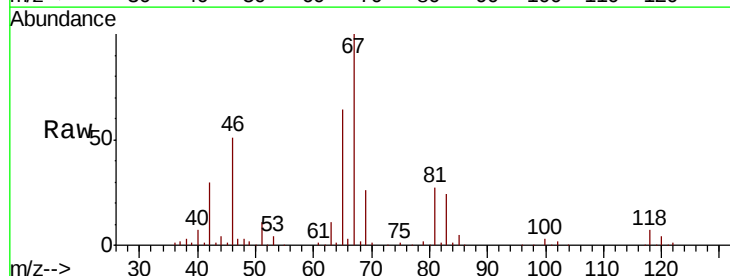


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

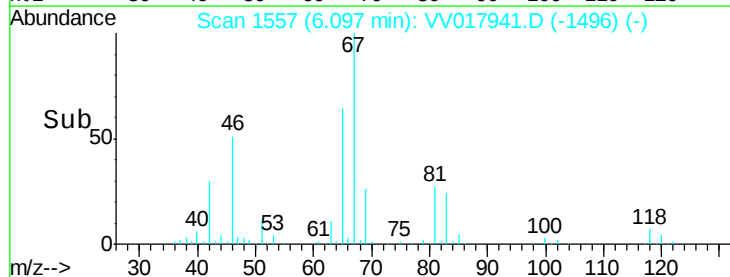
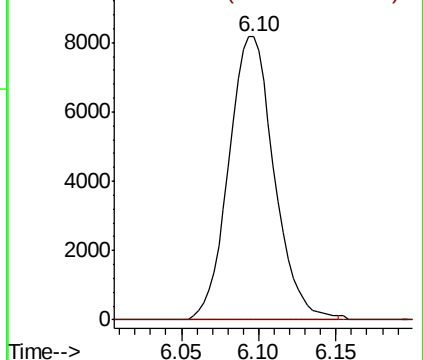


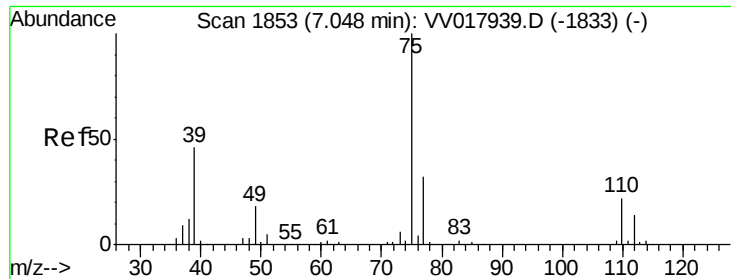
#37
1,2-Dichloropropane
Concen: 11.994 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017941.D
Acq: 12 Aug 2020 21:50

Tgt Ion: 63 Resp: 16679
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

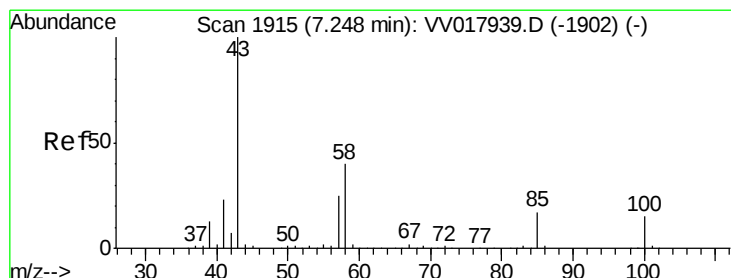
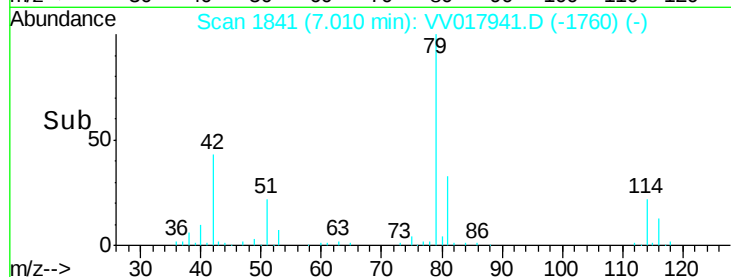
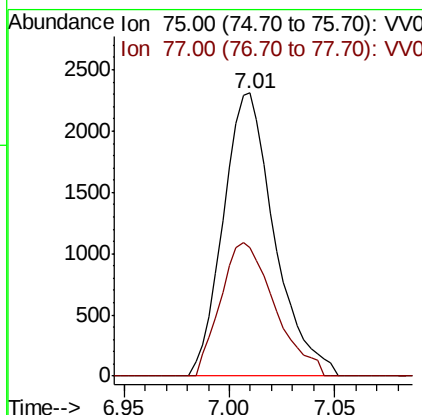
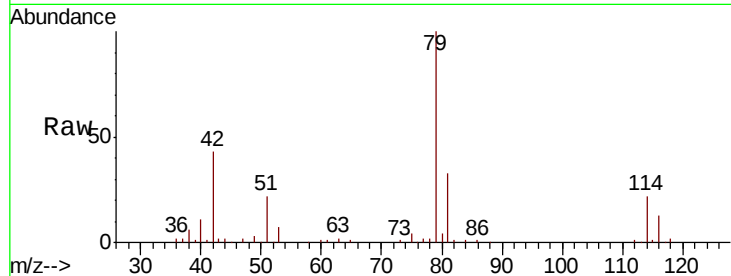




#39
 cis-1,3-Dichloropropene
 Concen: 1.980 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017941.D
 Acq: 12 Aug 2020 21:50

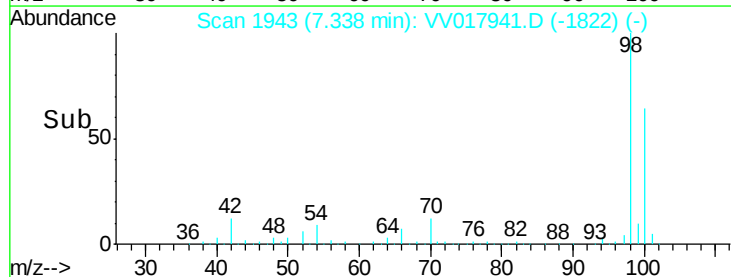
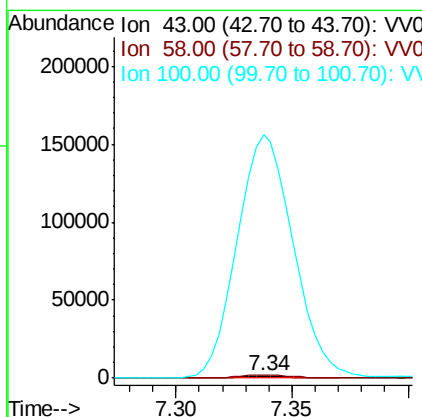
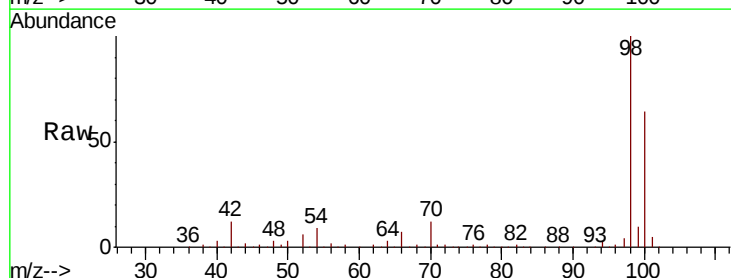
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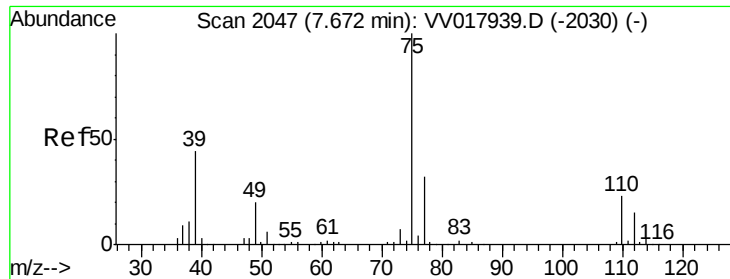
Tot Ion: 75 Resp: 3903
 Ion Ratio Lower Upper
 75 100
 77 45.4 22.3 41.5#



#40
 4-Methyl-2-pentanone
 Concen: 1.110 ug/L
 RT: 7.34 min Scan# 1943
 Delta R.T. 0.09 min
 Lab File: VV017941.D
 Acq: 12 Aug 2020 21:50

Tgt Ion: 43 Resp: 2018
 Ion Ratio Lower Upper
 43 100
 58 173.1 31.9 47.9#
 100 13159.8 12.2 18.2#

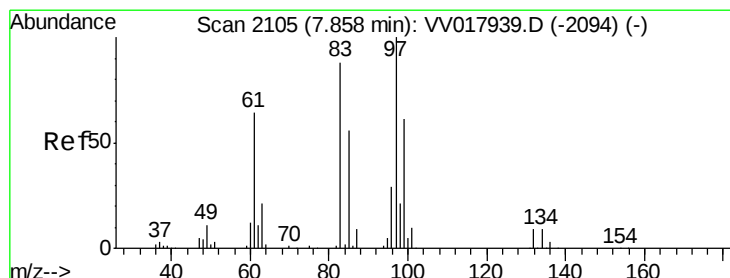
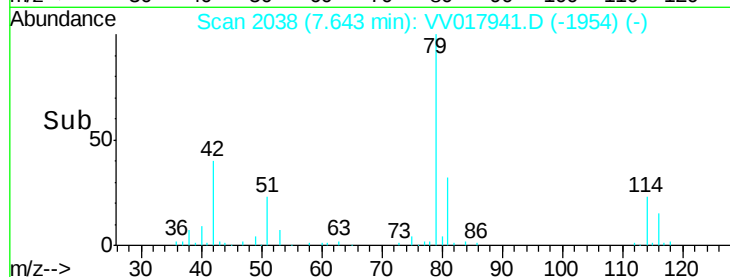
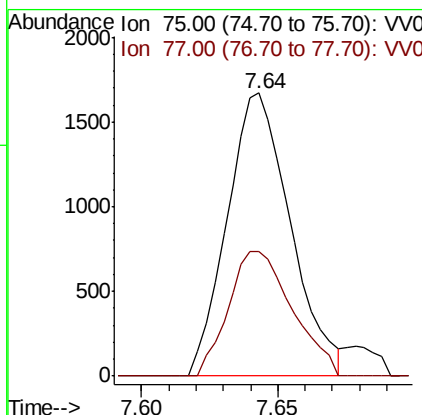
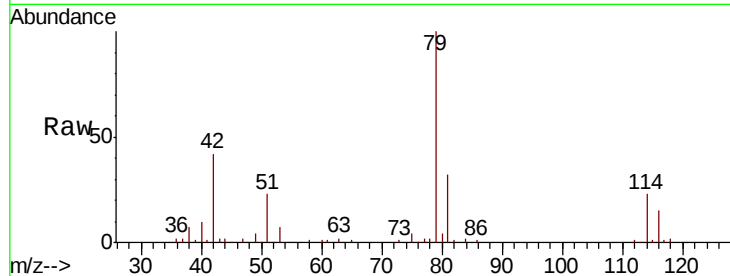




#44
trans-1,3-Dichloropropene
Concen: 1.436 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV017941.D
Acq: 12 Aug 2020 21:50

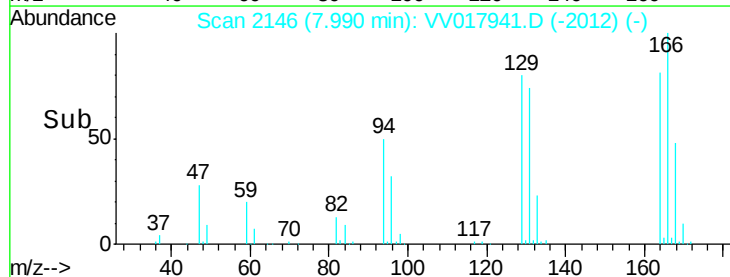
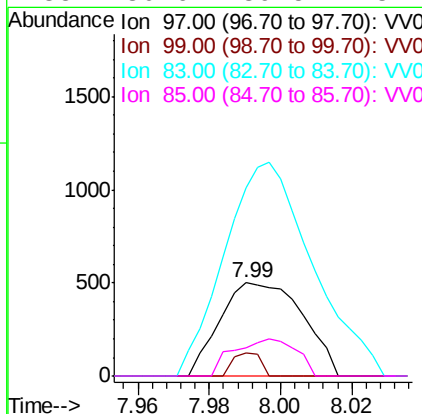
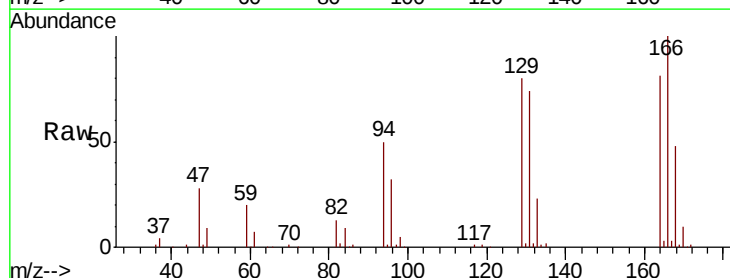
Instrument :
MSVOA_V
ClientSampleId :
F2L61DL

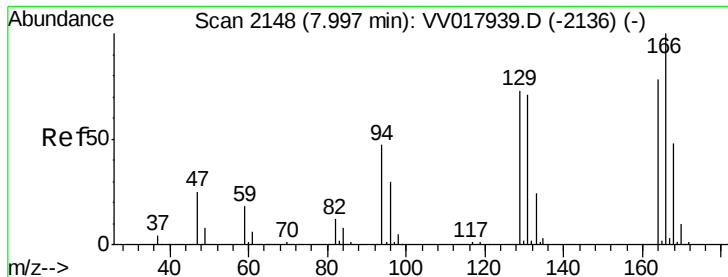
Tot Ion: 75 Resp: 2686
Ion Ratio Lower Upper
75 100
77 44.3 22.3 41.5#



#45
1,1,2-Trichloroethane
Concen: 0.622 ug/L
RT: 7.99 min Scan# 2146
Delta R.T. 0.13 min
Lab File: VV017941.D
Acq: 12 Aug 2020 21:50

Tgt Ion: 97 Resp: 801
Ion Ratio Lower Upper
97 100
99 24.8 44.2 82.2#
83 202.2 61.0 113.4#
85 30.6 39.5 73.4#





#46

Tetrachloroethene

Concen: 85.218 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017941.D

Acq: 12 Aug 2020 21:50

Instrument :

MSVOA_V

ClientSampleID :

F2L61DL

Tot Ion:164 Resp: 84239

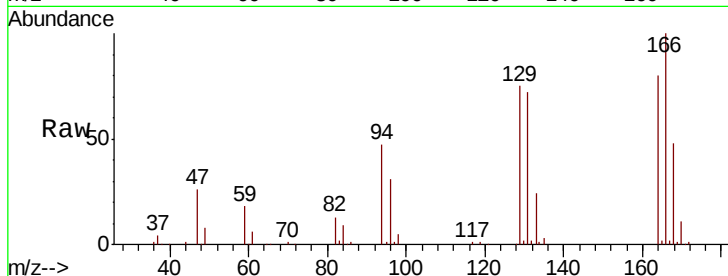
Ion Ratio Lower Upper

164 100

129 94.4 64.8 120.3

131 90.9 64.5 119.9

166 125.6 88.9 165.1

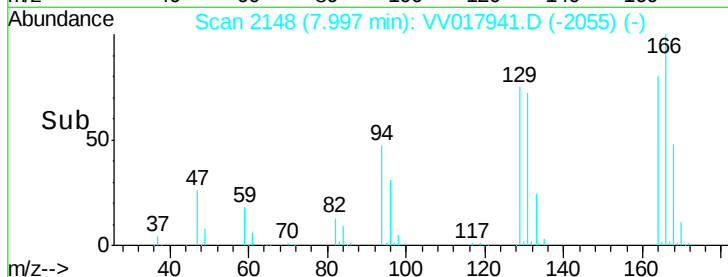


Abundance Ion 164.00 (163.70 to 164.70): V

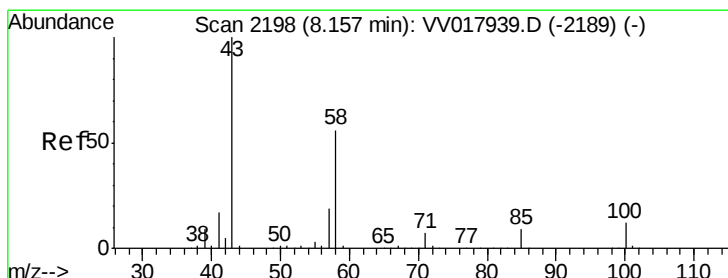
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->



#48

2-Hexanone

Concen: 5.448 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV017941.D

Acq: 12 Aug 2020 21:50

Tgt Ion: 43 Resp: 7986

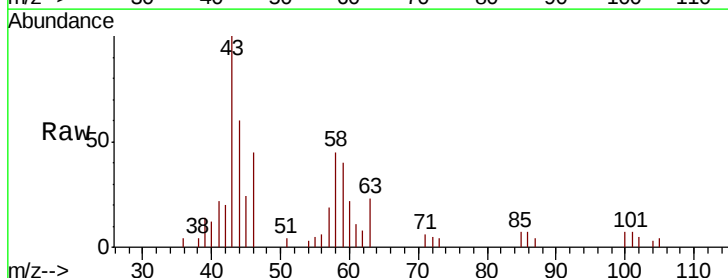
Ion Ratio Lower Upper

43 100

58 36.3 44.4 66.6#

57 1.7 15.2 22.8#

100 7.3 9.8 14.6#

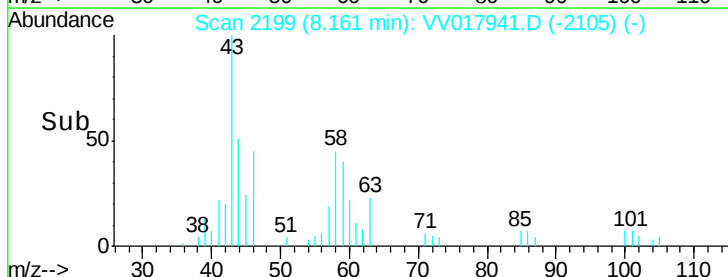


Abundance Ion 43.00 (42.70 to 43.70): VV0

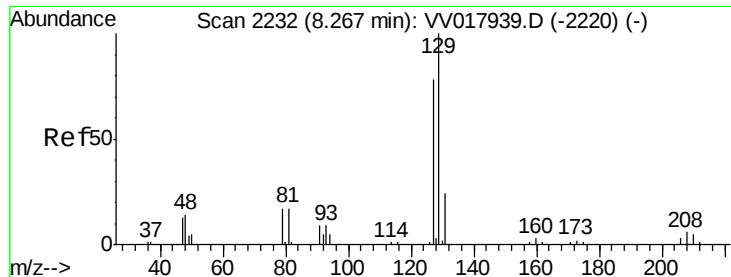
Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



Time-->



#49

Dibromochloromethane

Concen: 61.854 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017941.D

Acq: 12 Aug 2020 21:50

Instrument :

MSVOA_V

ClientSampled :

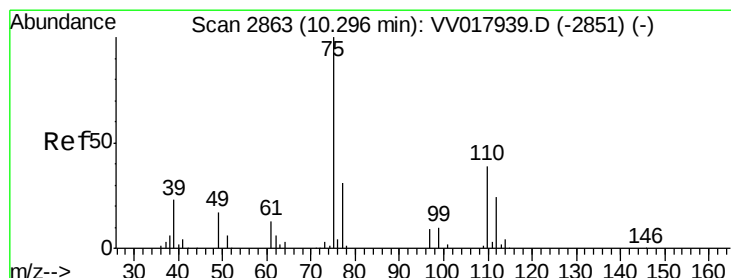
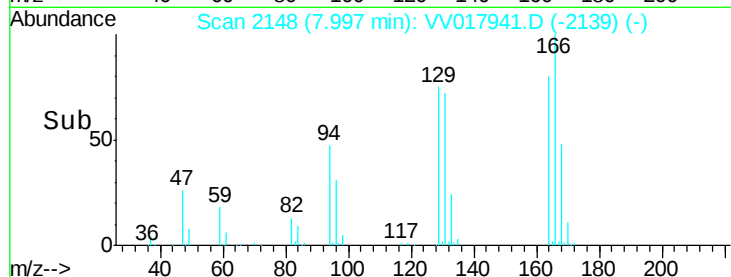
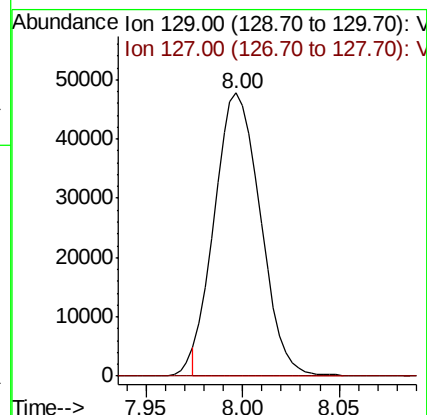
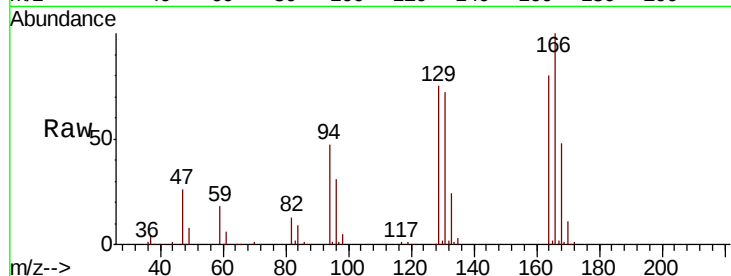
F2L61DL

Tot Ion:129 Resp: 77752

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



#59

1,2,3-Trichloropropane

Concen: 5.055 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV017941.D

Acq: 12 Aug 2020 21:50

Tgt Ion: 75 Resp: 8682

Ion Ratio Lower Upper

75 100

77 40.2 25.7 38.5#

