

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017030.D
 Acq On : 22 Jun 2020 20:33
 Operator : SY/MD
 Sample : L3067-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 23 04:57:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 04:53:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	181282	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	177797	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	86442	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44975	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.58	69	36038	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.12	63	71149	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	3.93	46	128185	46.23	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.46%
24) Chloroform-d	4.38	84	104336	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.06	65	60317	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.07	84	211936	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.10	67	62190	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.34	98	194239	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
45) trans-1,3-Dichloropropene-	7.64	79	24283	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
48) 2-Hexanone-d5	8.11	63	86791	39.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.22%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	42892	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	78297	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1244	0.101	ug/L	88
5) Vinyl chloride	1.32	62	1563	0.131	ug/L #	8
8) Chloroethane	1.46	64	15693	2.387	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	931	0.097	ug/L #	17
12) 1,1-Dichloroethene	2.13	96	5471	0.629	ug/L #	1
13) Acetone	2.21	43	2169	1.547	ug/L	65
14) Carbon disulfide	2.31	76	1447	0.056	ug/L #	88
15) Methyl Acetate	2.48	43	1084	0.316	ug/L #	69
19) 1,1-Dichloroethane	3.21	63	523726	25.282	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	2674	0.212	ug/L #	79
25) Chloroform	4.41	83	5382	0.238	ug/L	100
34) Trichloroethene	5.94	95	2387	0.175	ug/L	95
35) Methylcyclohexane	6.09	83	16128	0.761	ug/L #	19
37) 1,2-Dichloropropane	6.09	63	7972	0.692	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2202	0.129	ug/L	89
40) 4-Methyl-2-pentanone	7.16	43	6979	1.049	ug/L #	47
46) trans-1,3-Dichloropropene	7.64	75	1253	0.085	ug/L #	74

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 23 04:53:49 2020
Response via : Initial Calibration

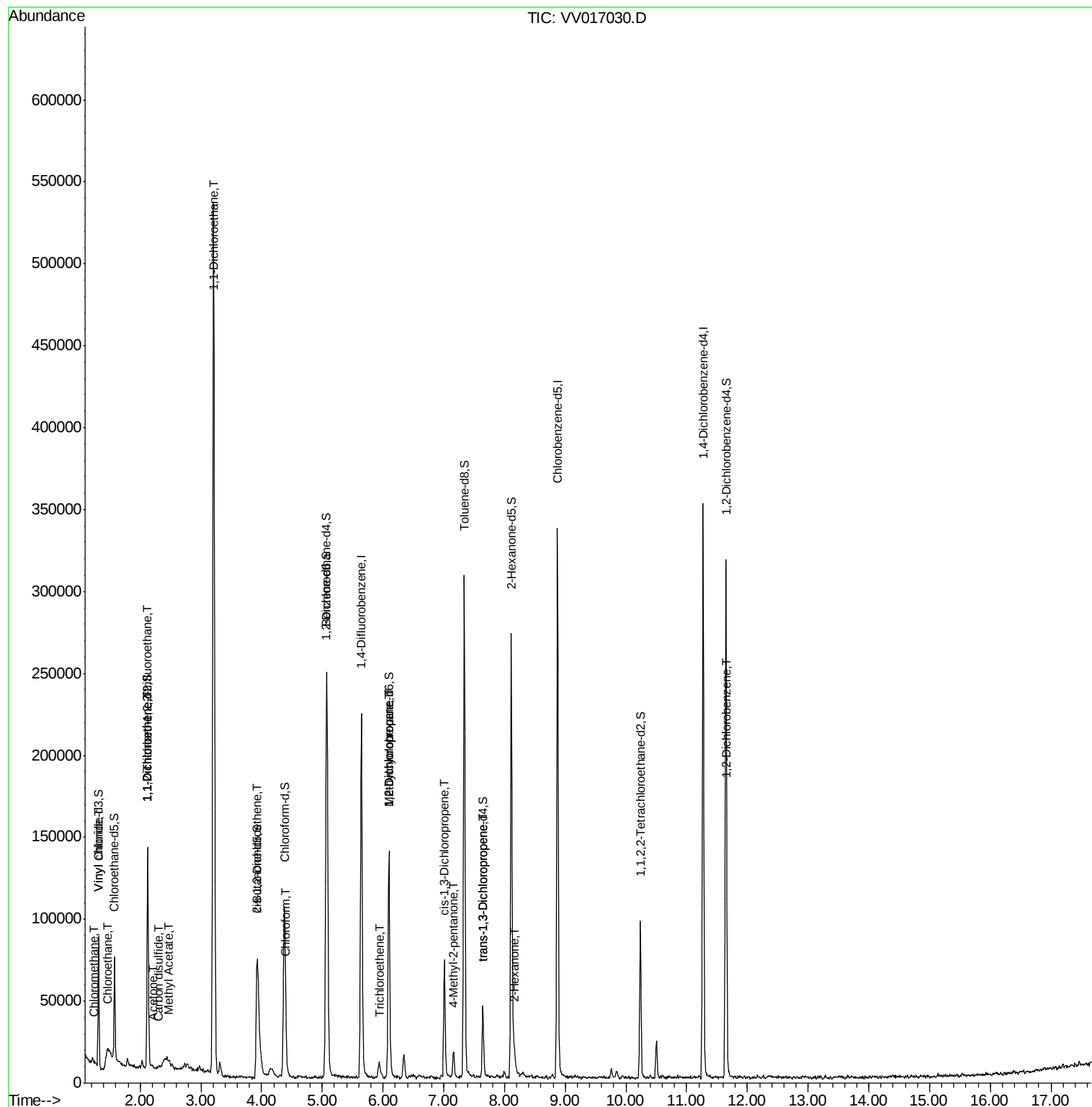
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 2-Hexanone	8.17	43	7375	1.557	ug/L #	90
66) 1,2-Dichlorobenzene	11.67	146	2036	0.086	ug/L #	91

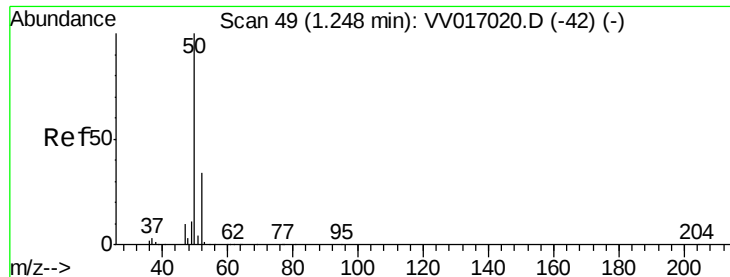
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.101 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017030.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_V

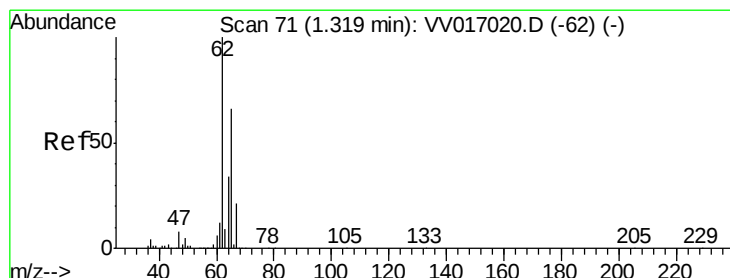
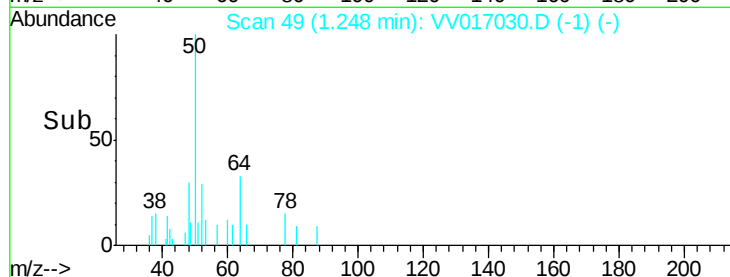
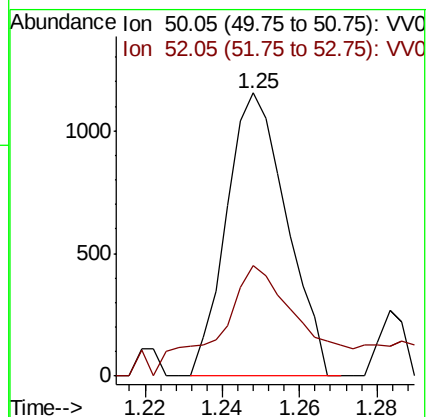
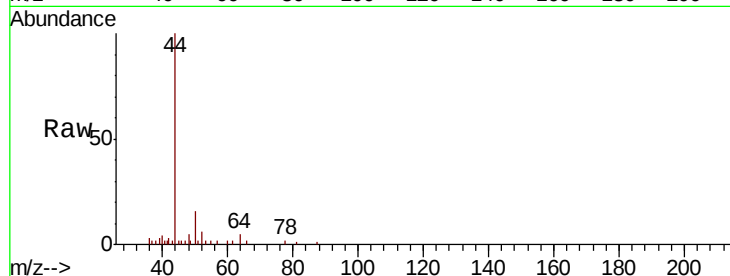
ClientSampled :

Tot Ion: 50 Resp: 1244

Ion Ratio Lower Upper

50 100

52 39.0 22.5 41.9



#5

Vinyl chloride

Concen: 0.131 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017030.D

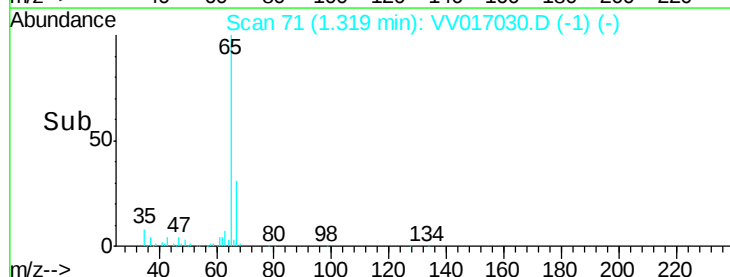
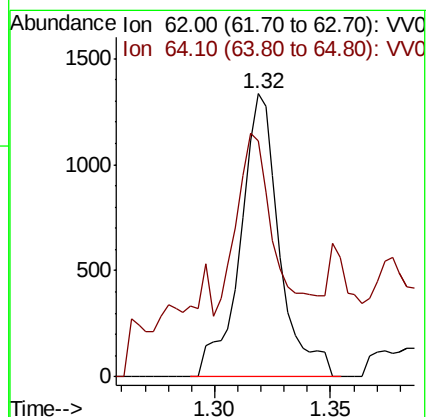
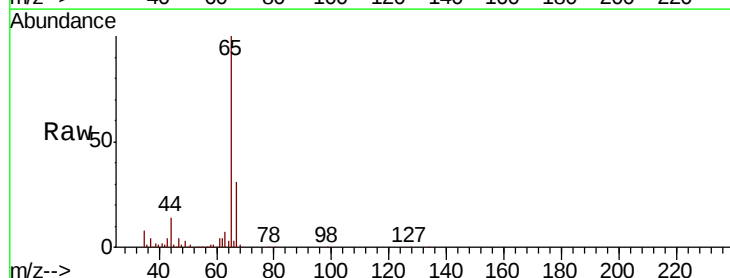
Acq: 22 Jun 2020 20:33

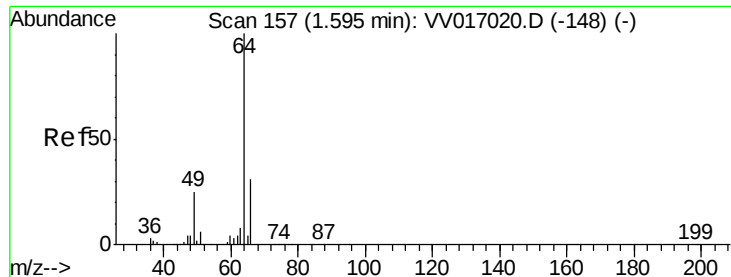
Tgt Ion: 62 Resp: 1563

Ion Ratio Lower Upper

62 100

64 83.6 22.5 41.7#

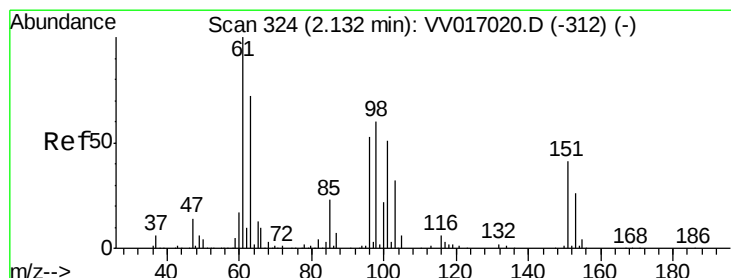
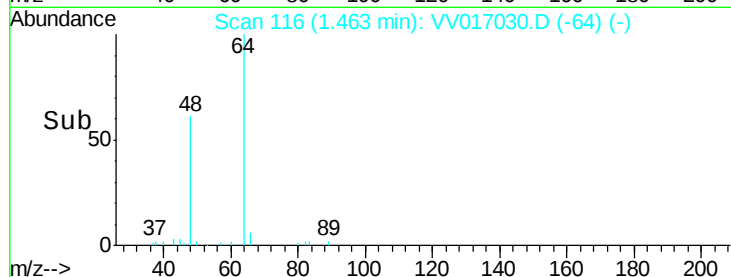
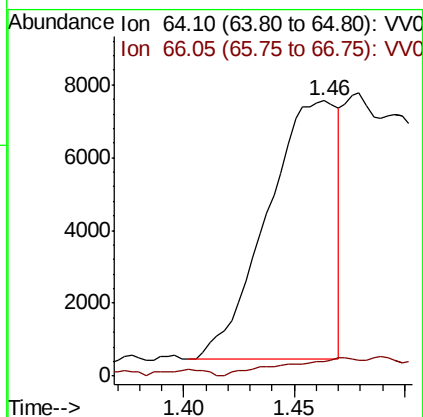
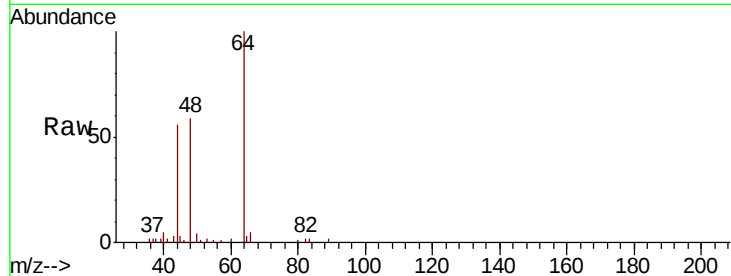




#8
Chloroethane
Concen: 2.387 ug/L
RT: 1.46 min Scan# 116
Delta R.T. -0.13 min
Lab File: VV017030.D
Acq: 22 Jun 2020 20:33

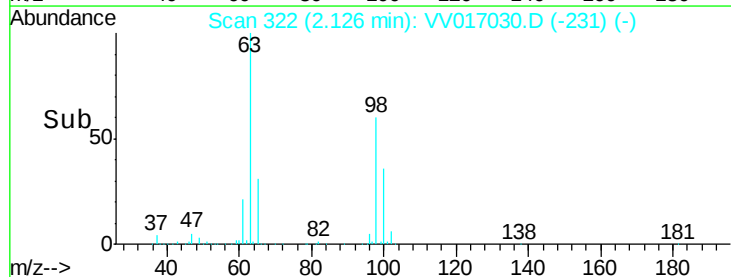
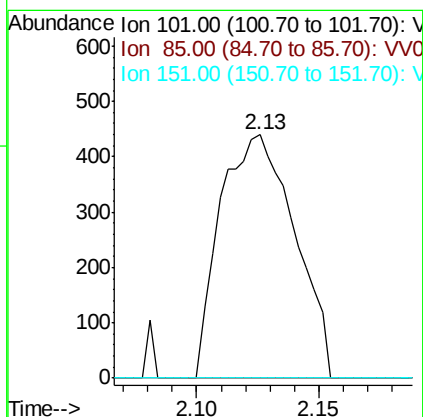
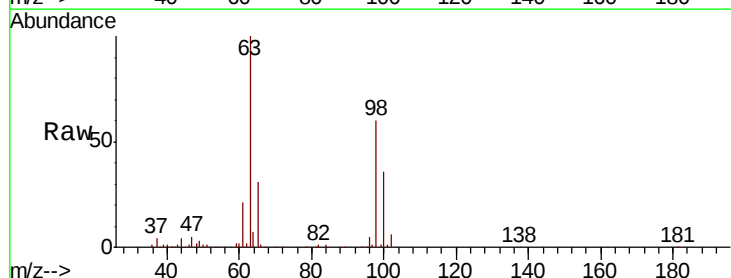
Instrument :
MSVOA_V
ClientSampleId :

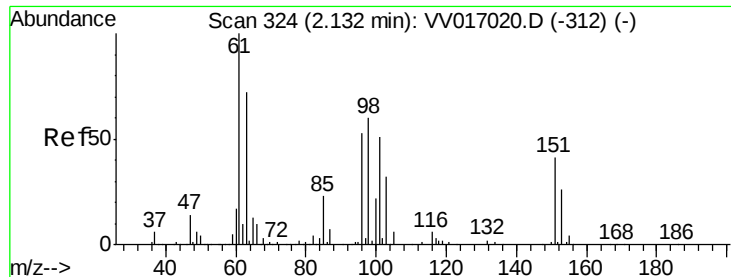
Tot Ion: 64 Resp: 15693
Ion Ratio Lower Upper
64 100
66 5.3 22.8 42.4#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.097 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.01 min
Lab File: VV017030.D
Acq: 22 Jun 2020 20:33

Tgt Ion:101 Resp: 931
Ion Ratio Lower Upper
101 100
85 0.0 35.4 53.2#
151 0.0 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 0.629 ug/L

RT: 2.13 min Scan# 324

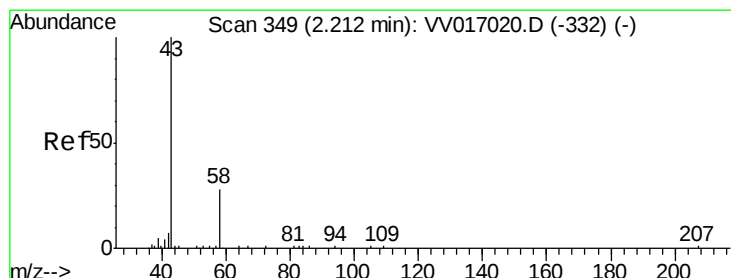
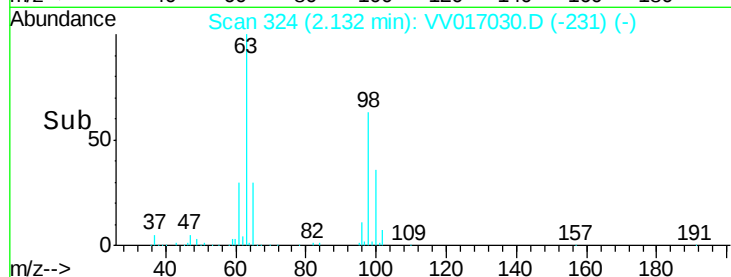
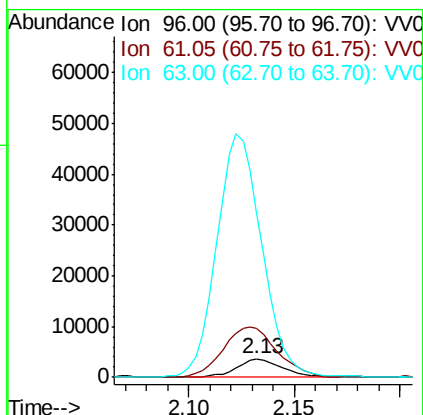
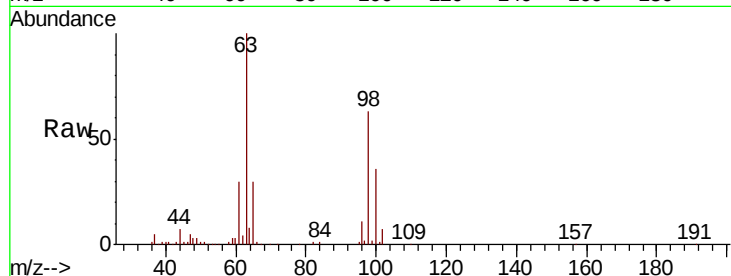
Delta R.T. 0.00 min

Lab File: VV017030.D

Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 5471
Ion Ratio Lower Upper
96 100
61 260.7 125.0 232.2#
63 882.5 109.8 203.8#



#13

Acetone

Concen: 1.547 ug/L

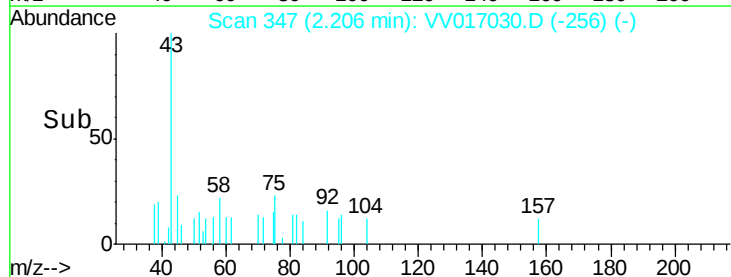
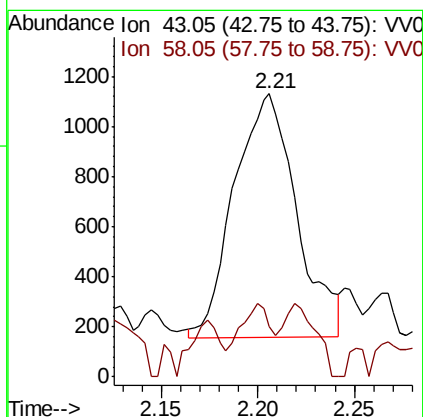
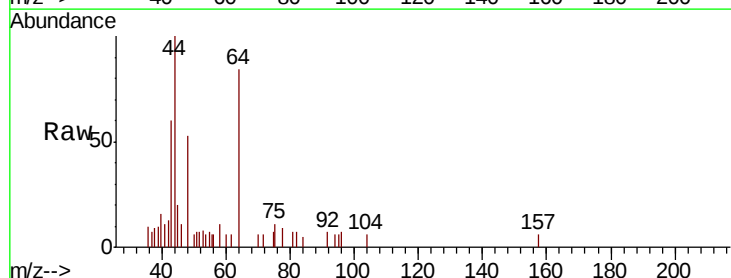
RT: 2.21 min Scan# 347

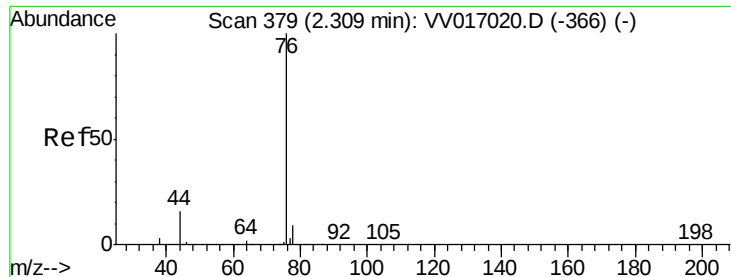
Delta R.T. -0.01 min

Lab File: VV017030.D

Acq: 22 Jun 2020 20:33

Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
58 10.5 0.0 58.4





#14

Carbon disulfide

Concen: 0.056 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017030.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_V

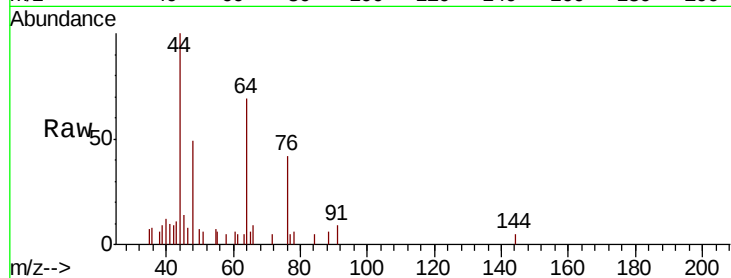
ClientSampled :

Tot Ion: 76 Resp: 1447

Ion Ratio Lower Upper

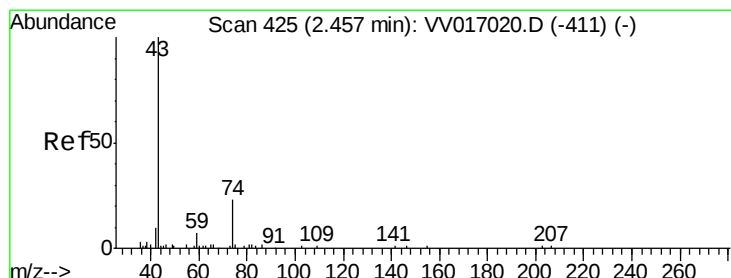
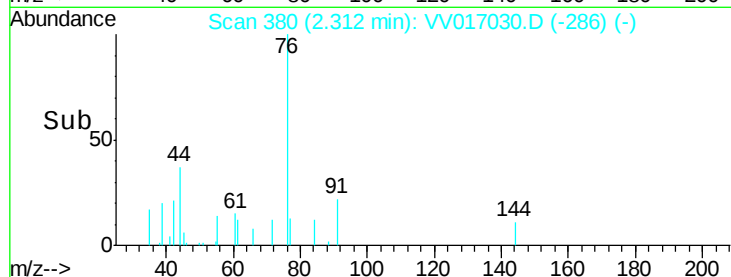
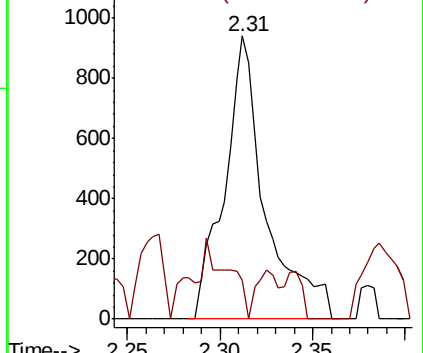
76 100

78 13.8 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.316 ug/L

RT: 2.48 min Scan# 433

Delta R.T. 0.03 min

Lab File: VV017030.D

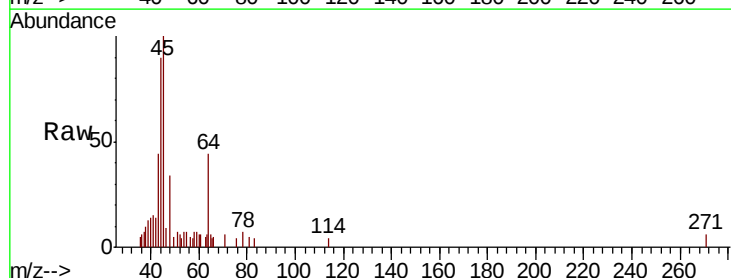
Acq: 22 Jun 2020 20:33

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

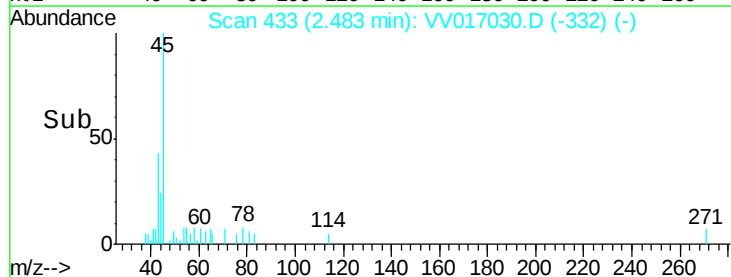
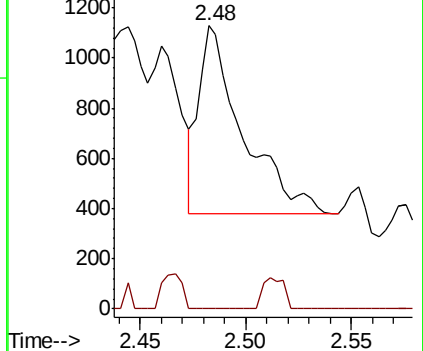
43 100

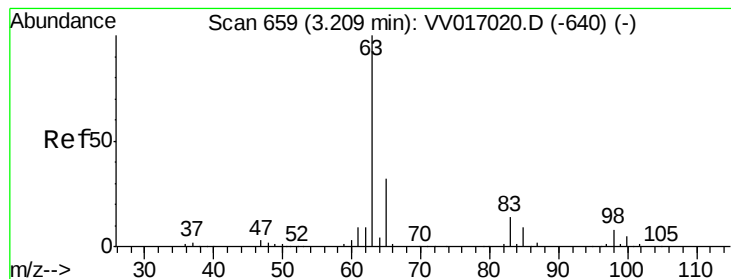
74 8.5 19.1 28.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#19

1,1-Dichloroethane

Concen: 25.282 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017030.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_V

ClientSampleId :

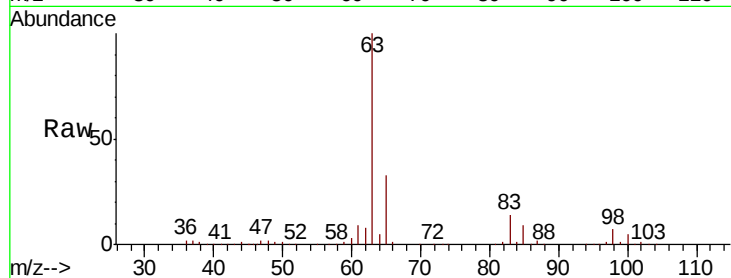
Tot Ion: 63 Resp: 523726

Ion Ratio Lower Upper

63 100

65 32.5 21.8 40.4

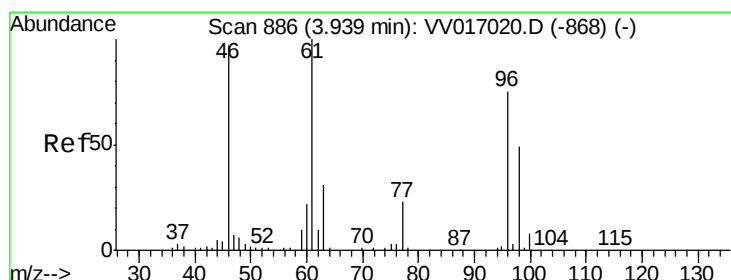
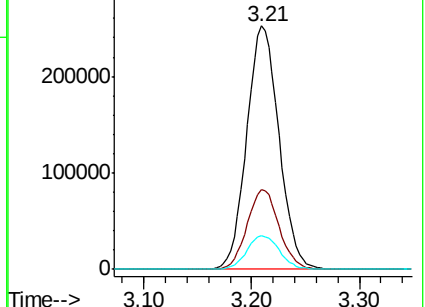
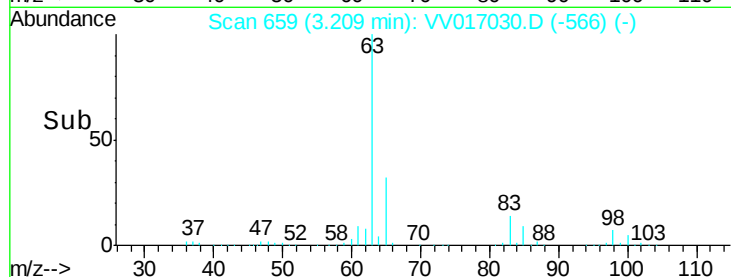
83 13.6 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV017030.D (-566) (-)

Ion 65.10 (64.80 to 65.80): VV017030.D (-566) (-)

Ion 83.05 (82.75 to 83.75): VV017030.D (-566) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.212 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017030.D

Acq: 22 Jun 2020 20:33

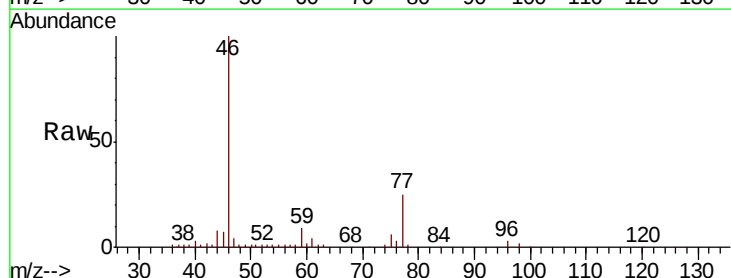
Tgt Ion: 96 Resp: 2674

Ion Ratio Lower Upper

96 100

61 105.9 91.0 169.0

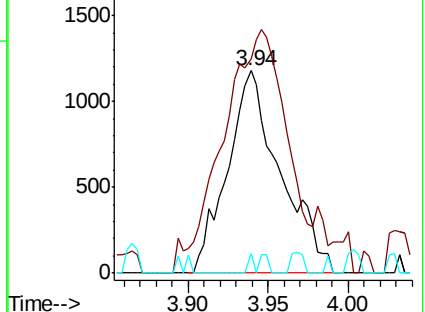
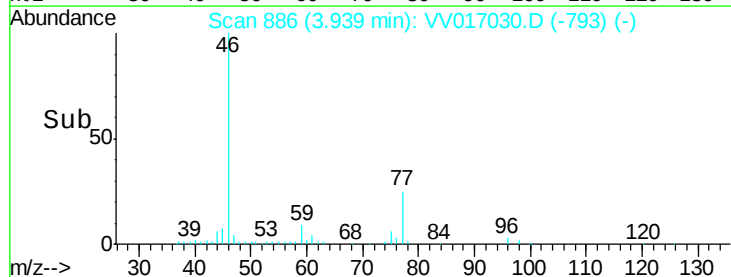
68 9.4 0.0 0.0#

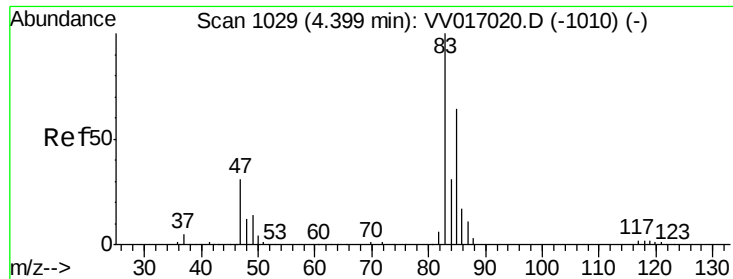


Abundance Ion 96.00 (95.70 to 96.70): VV017030.D (-793) (-)

Ion 61.05 (60.75 to 61.75): VV017030.D (-793) (-)

Ion 68.15 (67.85 to 68.85): VV017030.D (-793) (-)

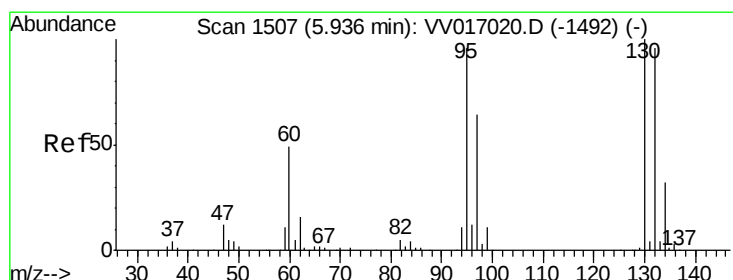
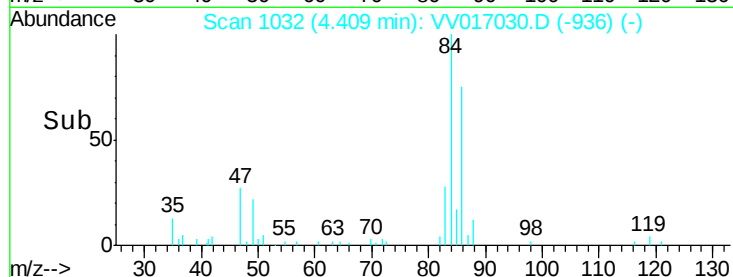
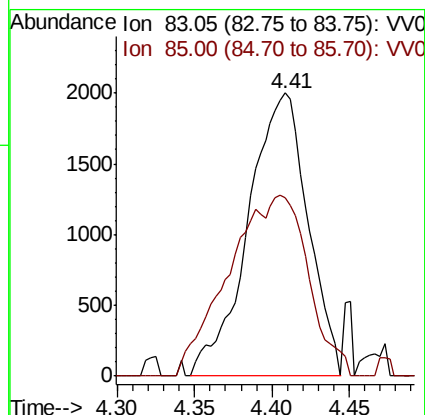
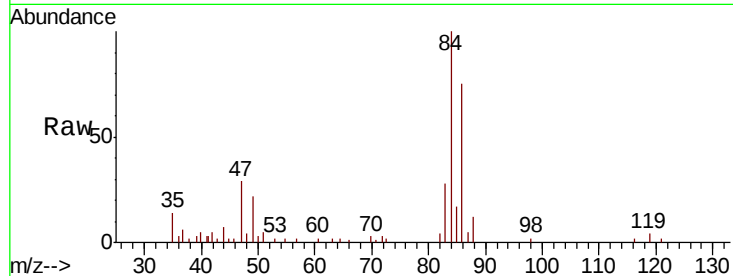




#25
Chloroform
Concen: 0.238 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV017030.D
Acq: 22 Jun 2020 20:33

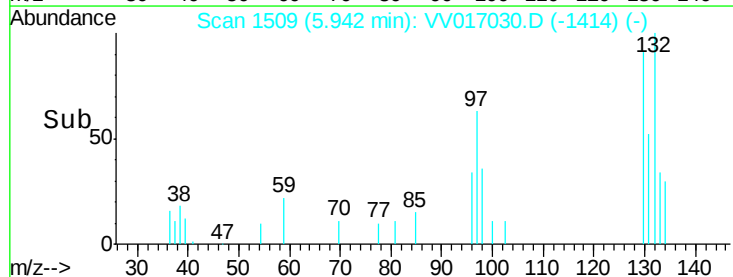
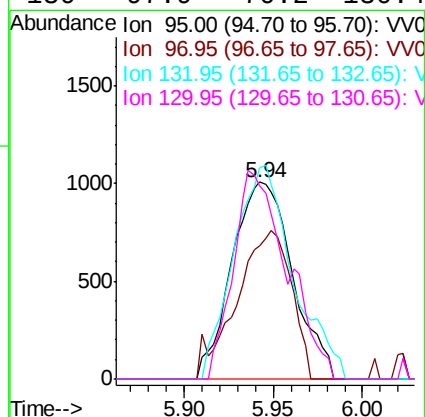
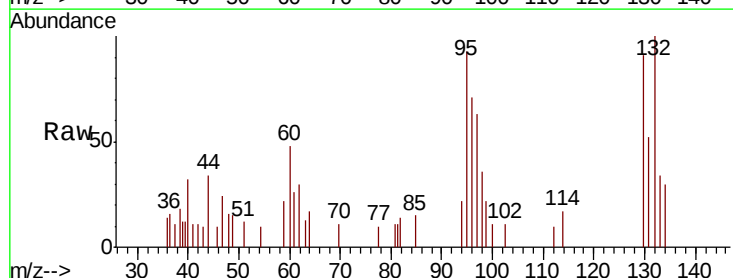
Instrument :
MSVOA_V
ClientSampled :

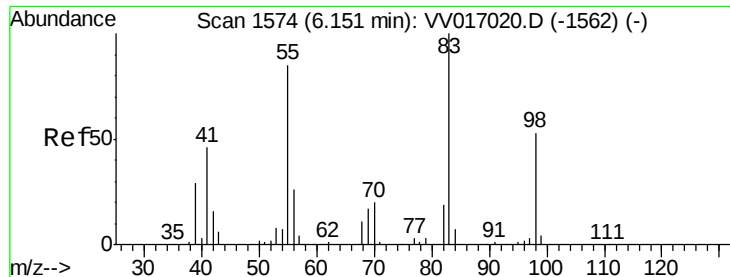
Tot Ion: 83 Resp: 5382
Ion Ratio Lower Upper
83 100
85 62.9 44.2 82.2



#34
Trichloroethene
Concen: 0.175 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017030.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 95 Resp: 2387
Ion Ratio Lower Upper
95 100
97 67.5 45.3 84.1
132 107.2 68.8 127.8
130 97.9 70.2 130.4

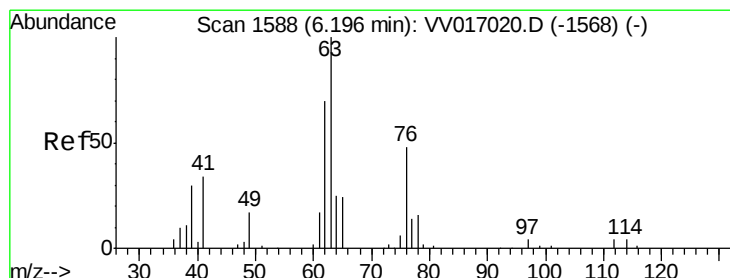
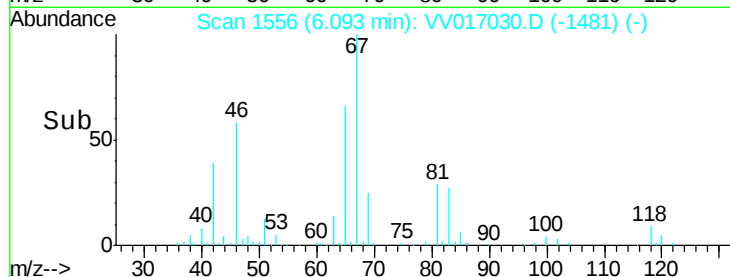
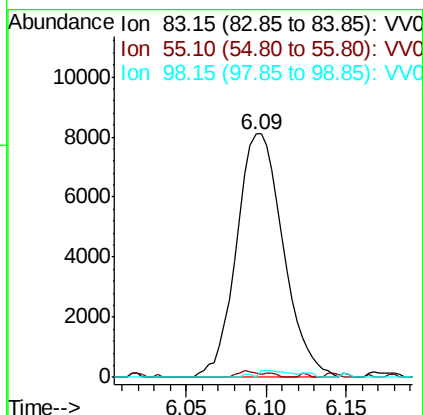
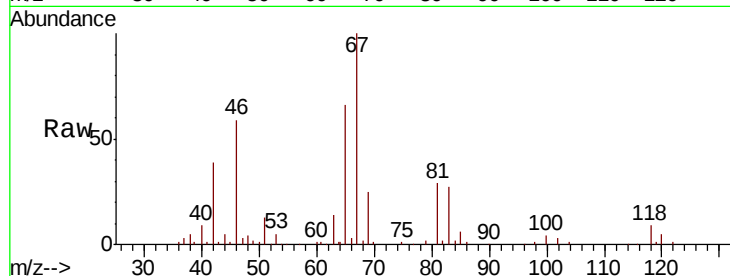




#35
Methvlcvclohexane
Concen: 0.761 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017030.D
Acq: 22 Jun 2020 20:33

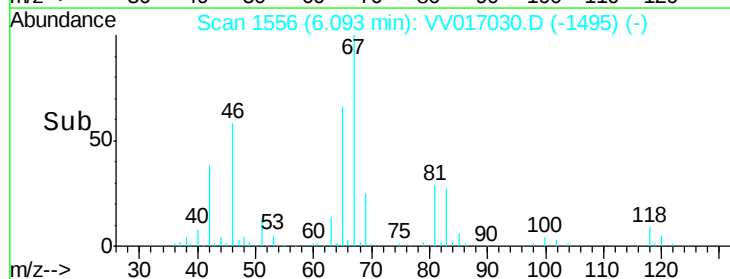
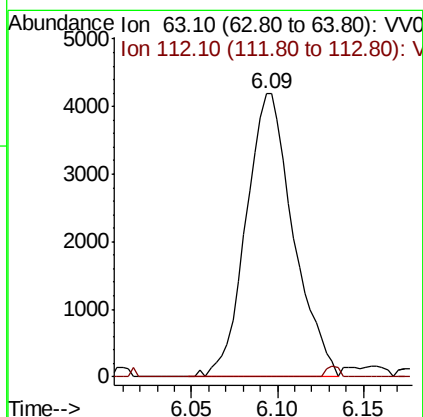
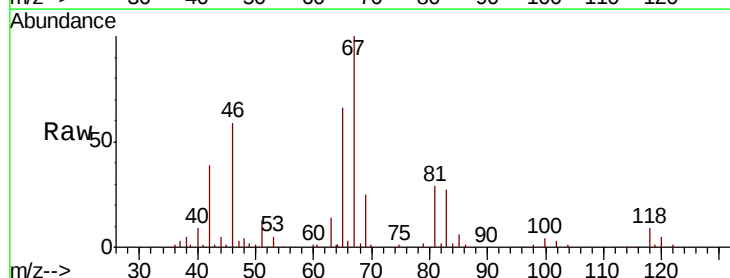
Instrument :
MSVOA_V
ClientSampled :

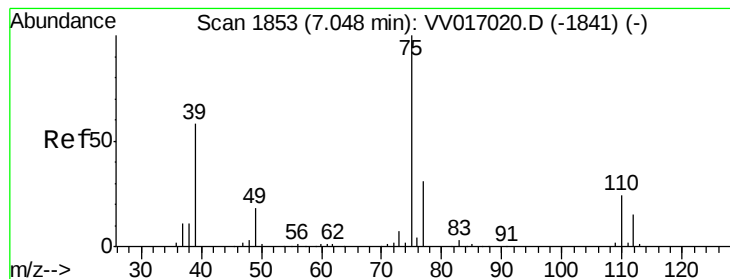
Tot Ion: 83 Resp: 16128
Ion Ratio Lower Upper
83 100
55 1.1 63.6 95.4#
98 2.0 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.692 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017030.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 63 Resp: 7972
Ion Ratio Lower Upper
63 100
112 1.0 4.4 6.6#



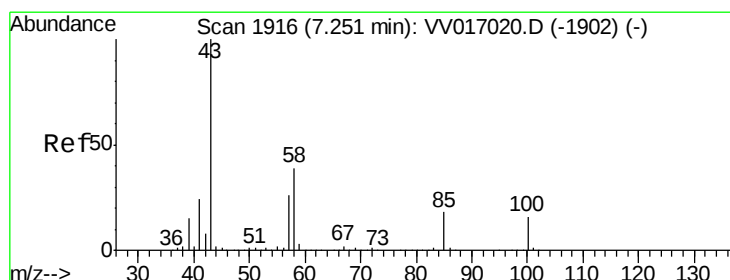
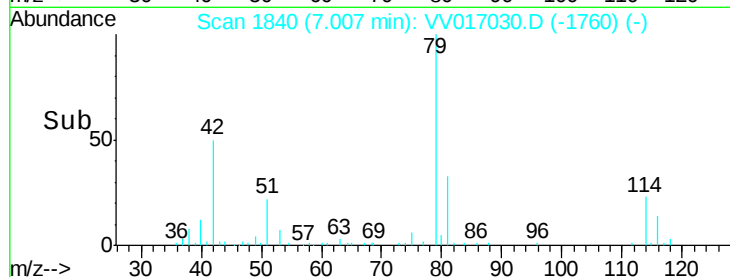
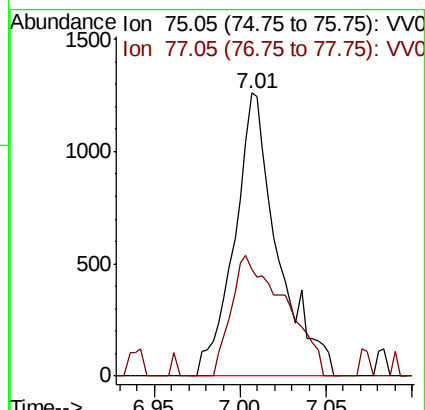
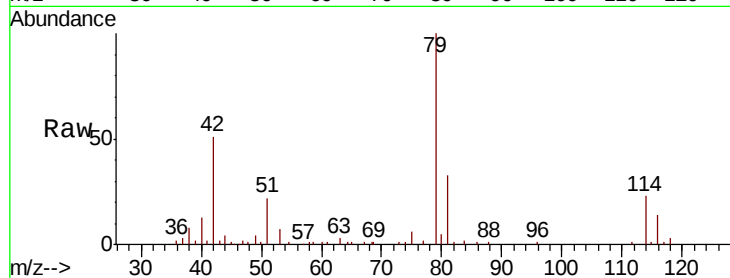


#39

cis-1,3-Dichloropropene
Concen: 0.129 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV017030.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_V
ClientSampled :

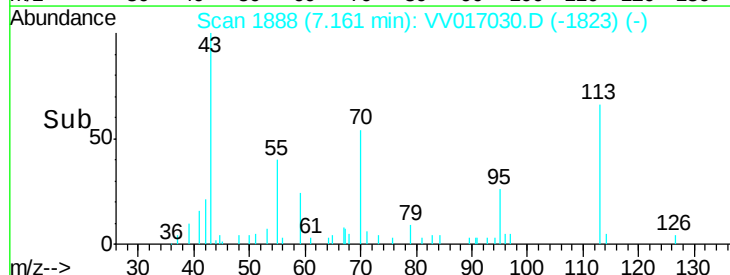
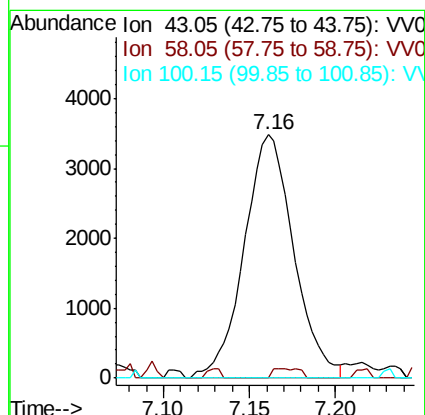
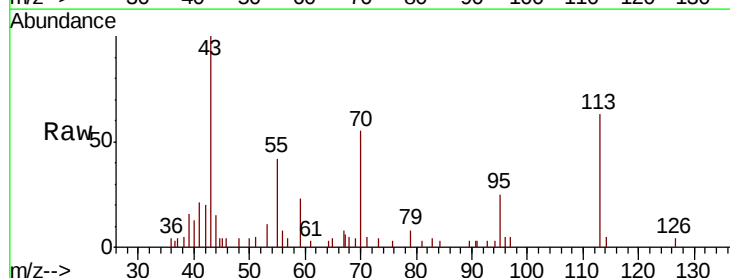
Tot Ion: 75 Resp: 2202
Ion Ratio Lower Upper
75 100
77 37.8 22.3 41.5

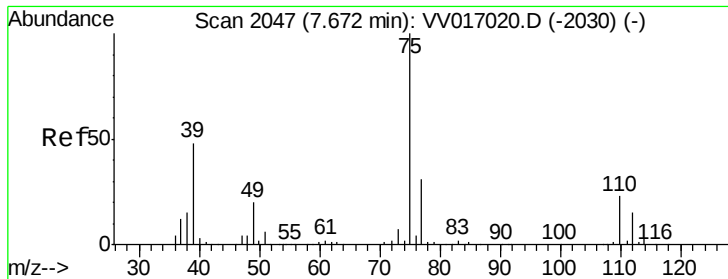


#40

4-Methyl-2-pentanone
Concen: 1.049 ug/L
RT: 7.16 min Scan# 1888
Delta R.T. -0.09 min
Lab File: VV017030.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 43 Resp: 6979
Ion Ratio Lower Upper
43 100
58 2.1 30.4 45.6#
100 0.0 12.7 19.1#





#46

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017030.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_V

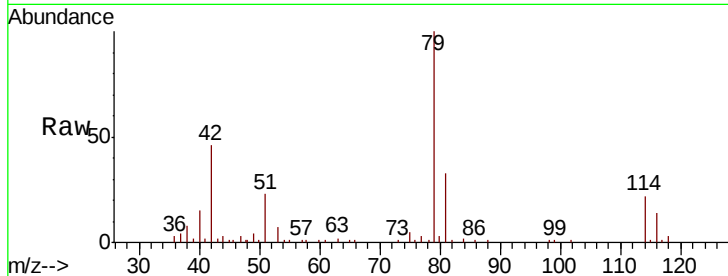
ClientSampleId :

Tot Ion: 75 Resp: 1253

Ion Ratio Lower Upper

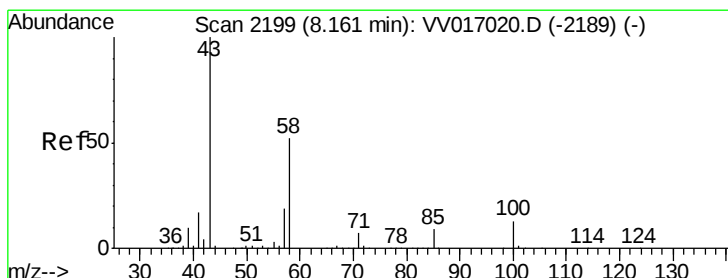
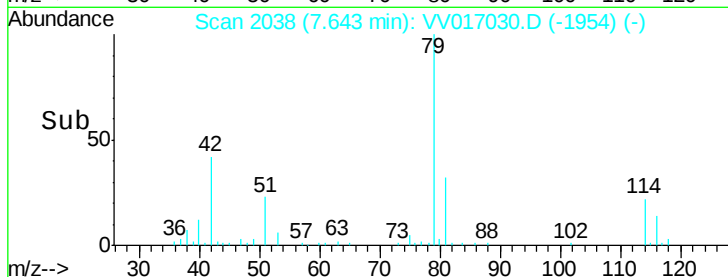
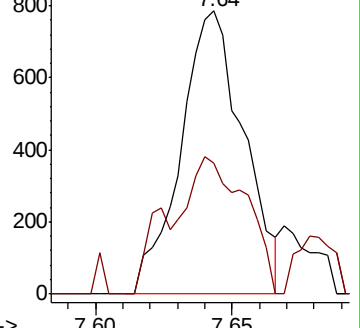
75 100

77 46.1 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#50

2-Hexanone

Concen: 1.557 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017030.D

Acq: 22 Jun 2020 20:33

Tgt Ion: 43 Resp: 7375

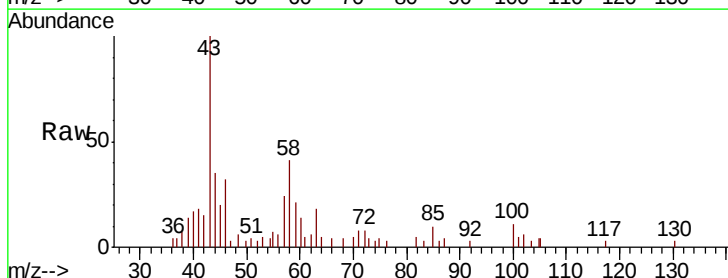
Ion Ratio Lower Upper

43 100

58 45.7 41.6 62.4

57 25.3 15.4 23.0#

100 8.3 10.1 15.1#

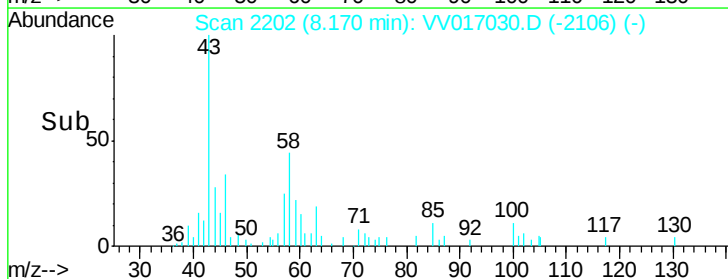
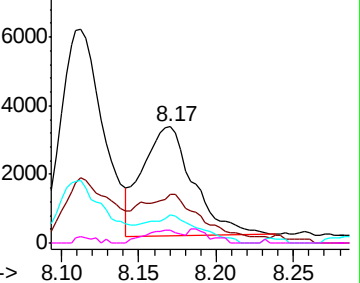


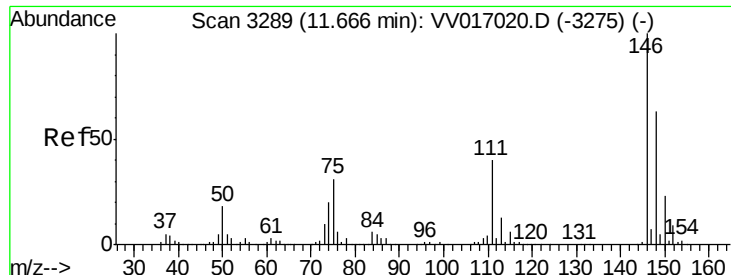
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

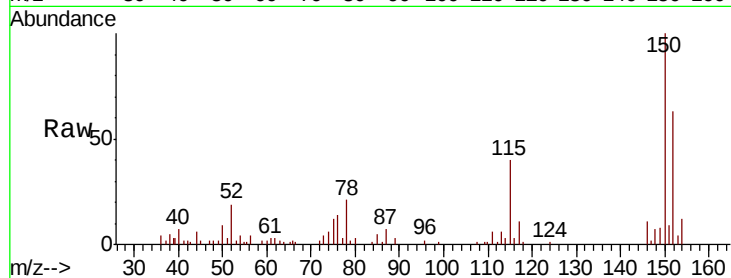




#66
 1,2-Dichlorobenzene
 Concen: 0.086 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV017030.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.2	34.4	51.6
148	61.1	49.9	74.9



Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

