

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062420\
 Data File : VV017091.D
 Acq On : 24 Jun 2020 23:05
 Operator : SY/MD
 Sample : L3105-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXL8

Quant Time: Jun 25 01:23:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:16:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	176326	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	169314	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	77881	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37657	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.58	69	32588	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.13	63	64417	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	3.93	46	120753	44.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.54%
24) Chloroform-d	4.38	84	104646	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.06	65	55291	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.08	84	195786	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.10	67	57457	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.34	98	174036	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
45) trans-1,3-Dichloropropene-	7.64	79	22310	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
48) 2-Hexanone-d5	8.11	63	87711	42.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.06%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	43240	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	69752	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	680	0.073 ug/L #	19
12) 1,1-Dichloroethene	2.13	96	3645	0.431 ug/L #	1
13) Acetone	2.20	43	11016	8.080 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	2126	0.237 ug/L	99
19) 1,1-Dichloroethane	3.21	63	33913	1.683 ug/L	98
21) 2-Butanone	4.10	43	708534	275.682 ug/L #	50
22) cis-1,2-Dichloroethene	3.94	96	106079	8.650 ug/L	97
25) Chloroform	4.41	83	46613	2.118 ug/L	95
27) 1,2-Dichloroethane	5.17	62	2310	0.169 ug/L #	89
29) 1,1,1-Trichloroethane	4.63	97	3244	0.160 ug/L	94
30) Cyclohexane	4.71	56	6123	0.317 ug/L	90
34) Trichloroethene	5.94	95	8102	0.624 ug/L	92
35) Methylcyclohexane	6.09	83	15064	0.746 ug/L #	18
37) 1,2-Dichloropropane	6.09	63	7483	0.682 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	2028	0.124 ug/L	86
46) trans-1,3-Dichloropropene	7.65	75	1530	0.108 ug/L	92
47) 1,1,2-Trichloroethane	7.86	97	1352	0.174 ug/L	82

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QLast Update : Thu Jun 25 01:16:55 2020
Response via : Initial Calibration

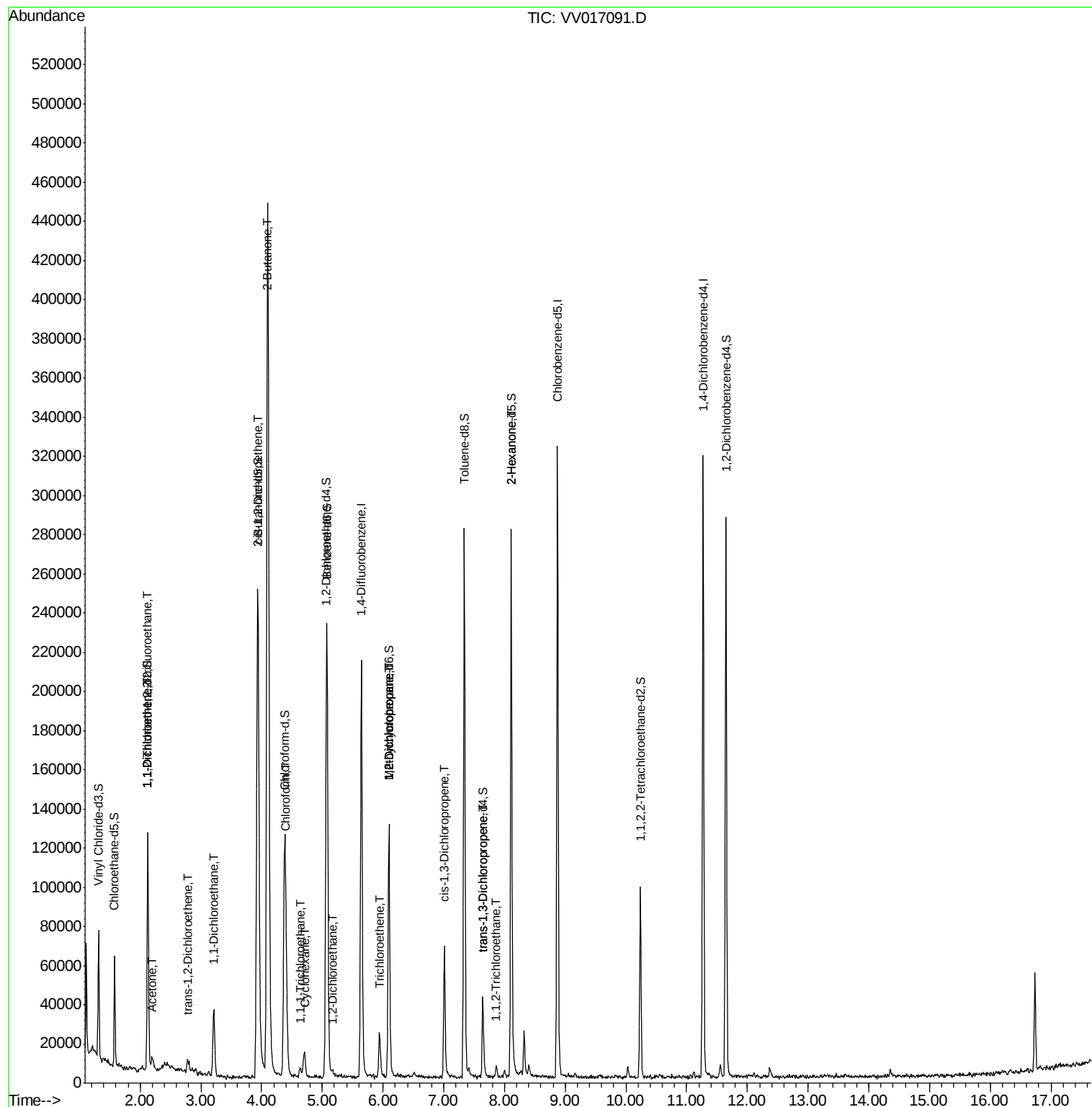
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) 2-Hexanone	8.11	43	11484	2.546	ug/L #	76

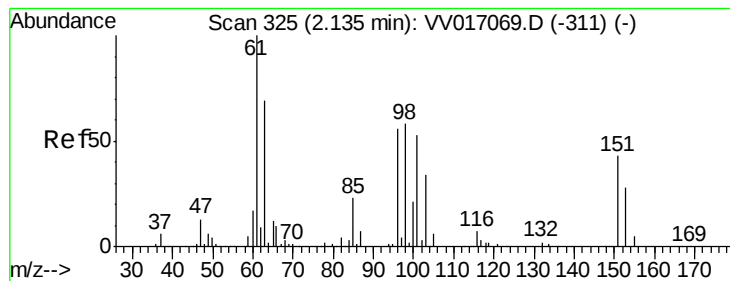
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV062420\
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Response via : Initial Calibration





#10

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

Concen: 0.073 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017091.D

Acq: 24 Jun 2020 23:05

Instrument :

MSVOA_V

ClientSampleId :

BFXL8

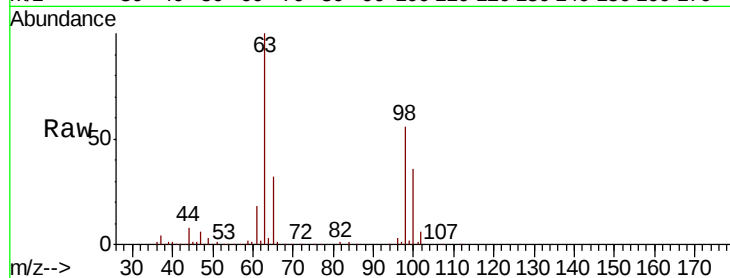
Tot Ion:101 Resp: 680

Ion Ratio Lower Upper

101 100

85 2.8 35.4 53.2#

151 0.0 63.9 95.9#



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

2.13

400

300

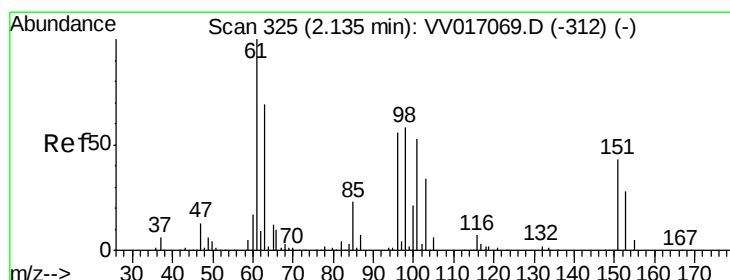
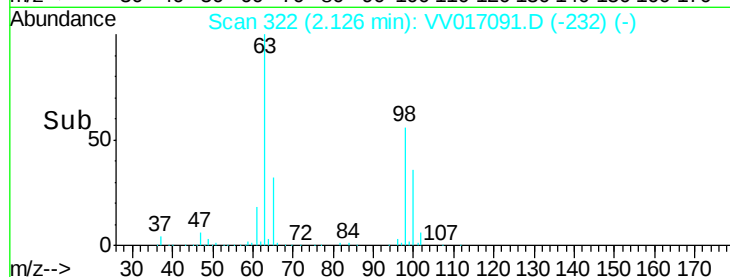
200

100

0

2.08 2.10 2.12 2.14 2.16

Time-->



#12

1,1-Dichloroethene

Concen: 0.431 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017091.D

Acq: 24 Jun 2020 23:05

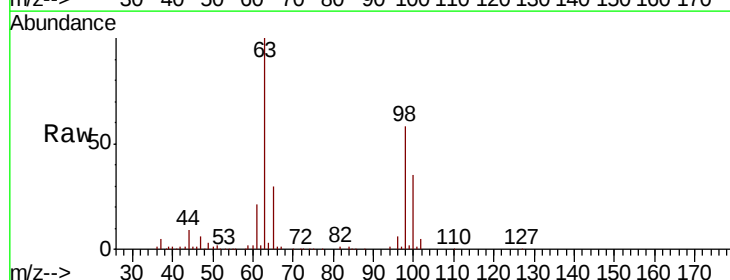
Tgt Ion: 96 Resp: 3645

Ion Ratio Lower Upper

96 100

61 329.5 125.0 232.2#

63 1573.1 109.8 203.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

60000

50000

40000

30000

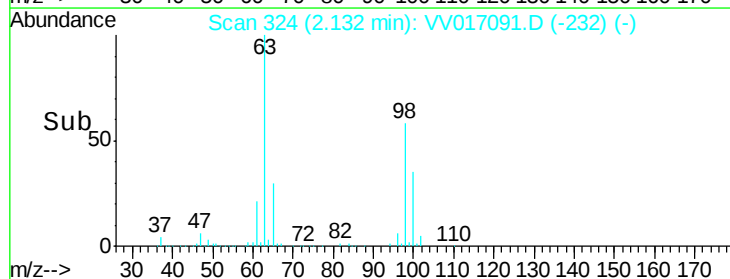
20000

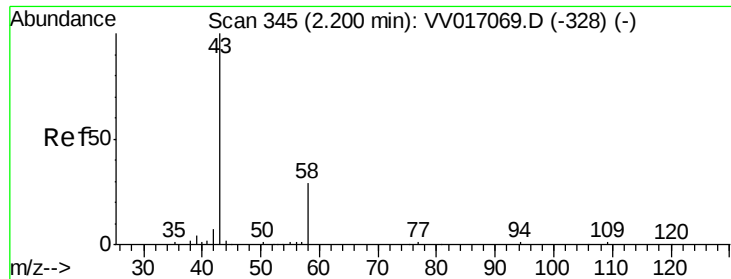
10000

0

2.10 2.15

Time-->





#13

Acetone

Concen: 8.080 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV017091.D

Acq: 24 Jun 2020 23:05

Instrument :

MSVOA_V

ClientSampleId :

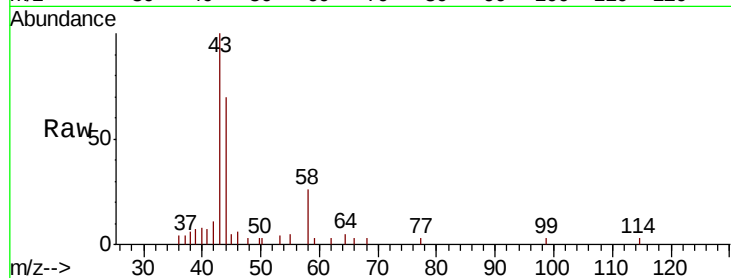
BFXL8

Tot Ion: 43 Resp: 11016

Ion Ratio Lower Upper

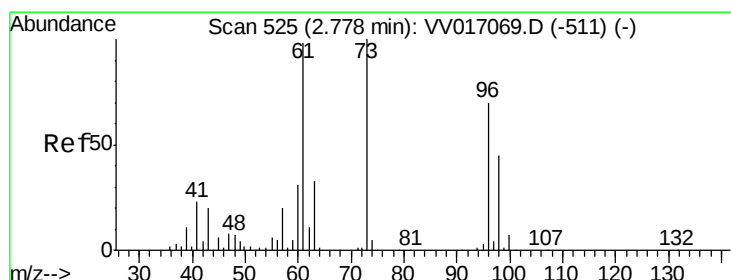
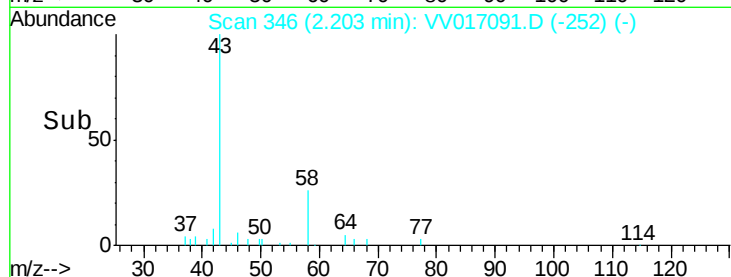
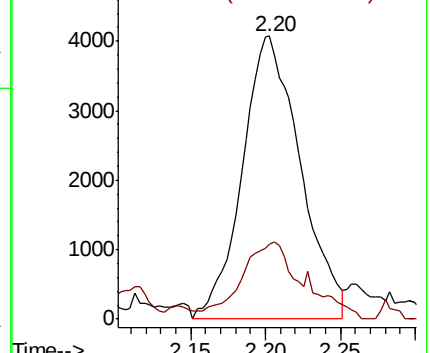
43 100

58 29.4 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.237 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017091.D

Acq: 24 Jun 2020 23:05

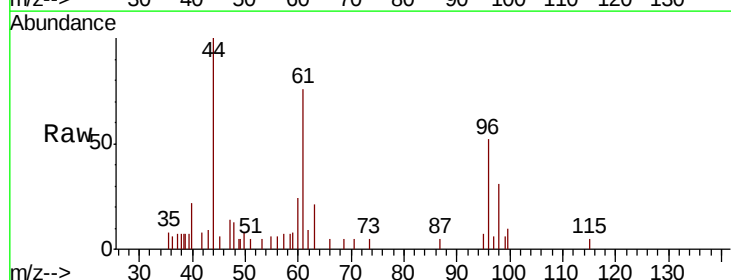
Tgt Ion: 96 Resp: 2126

Ion Ratio Lower Upper

96 100

61 146.3 102.3 189.9

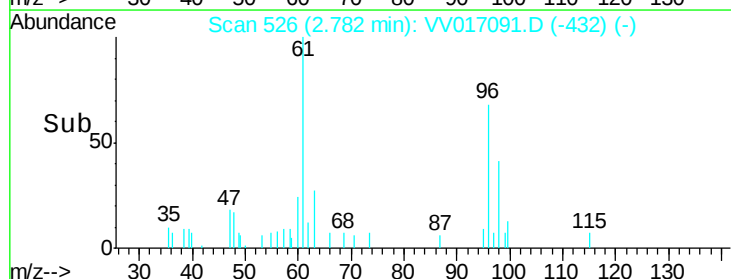
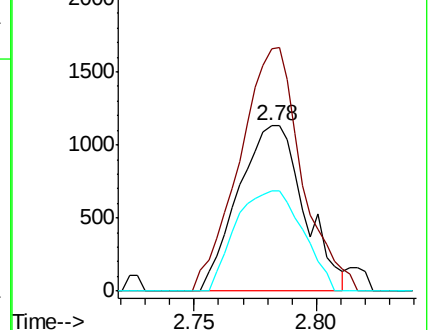
98 60.6 44.7 82.9

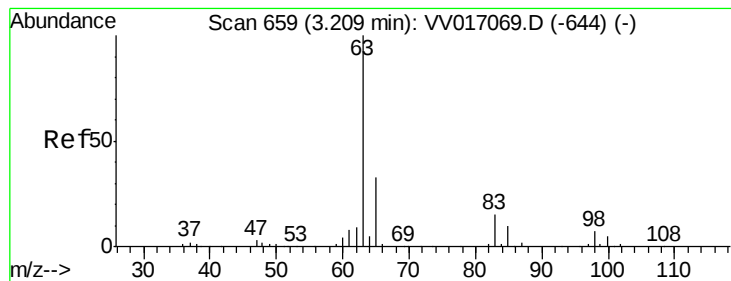


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 1.683 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017091.D

Acq: 24 Jun 2020 23:05

Instrument :

MSVOA_V

ClientSampleId :

BFXL8

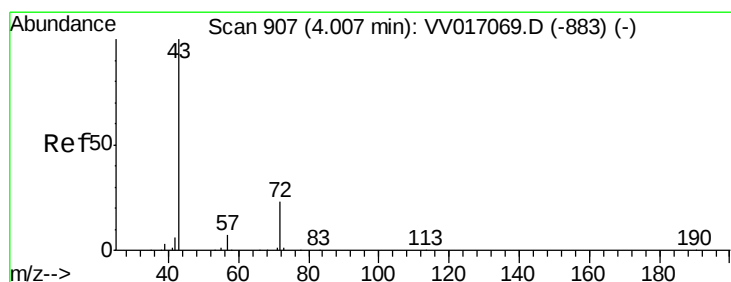
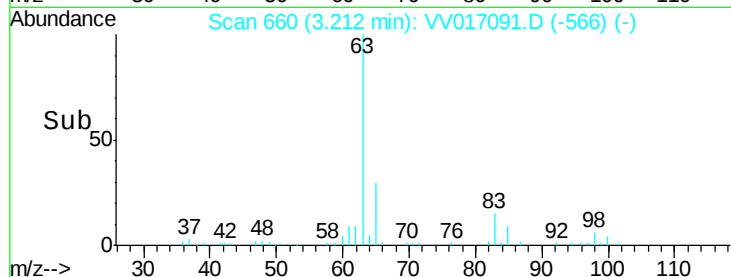
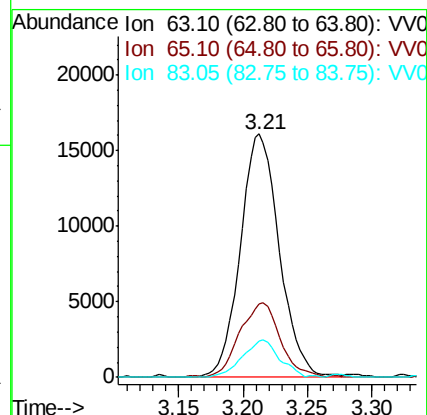
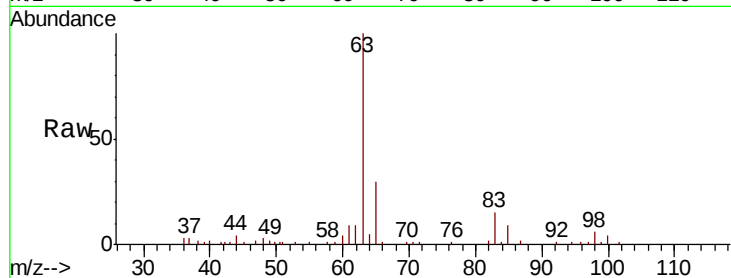
Tot Ion: 63 Resp: 33913

Ion Ratio Lower Upper

63 100

65 29.9 21.8 40.4

83 15.1 9.7 17.9



#21

2-Butanone

Concen: 275.682 ug/L

RT: 4.10 min Scan# 936

Delta R.T. 0.09 min

Lab File: VV017091.D

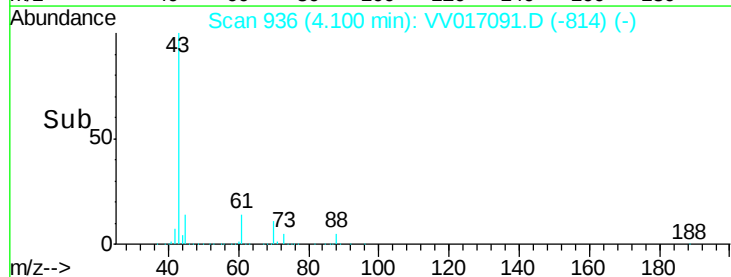
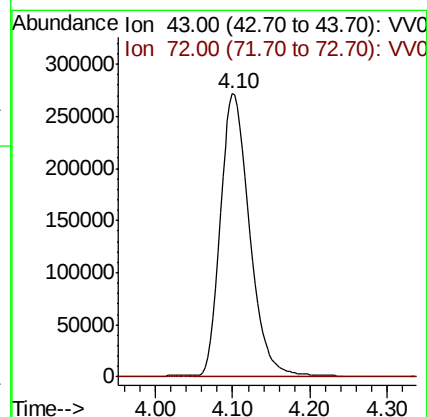
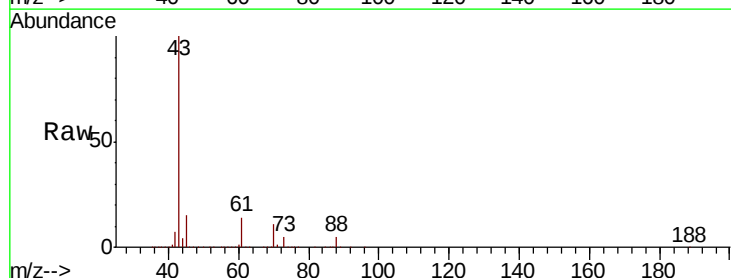
Acq: 24 Jun 2020 23:05

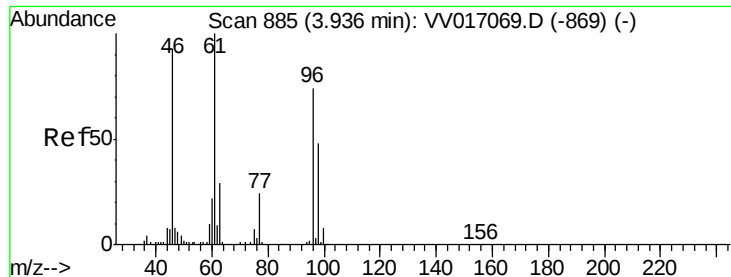
Tgt Ion: 43 Resp: 708534

Ion Ratio Lower Upper

43 100

72 0.0 12.4 37.4#



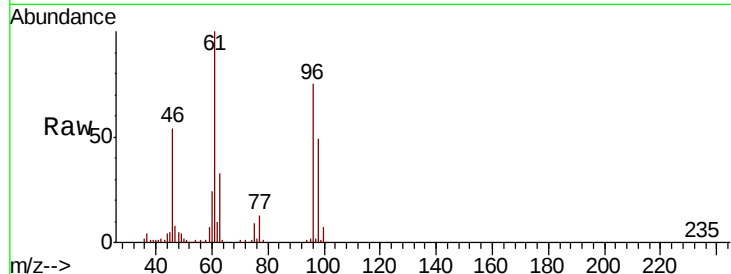


#22

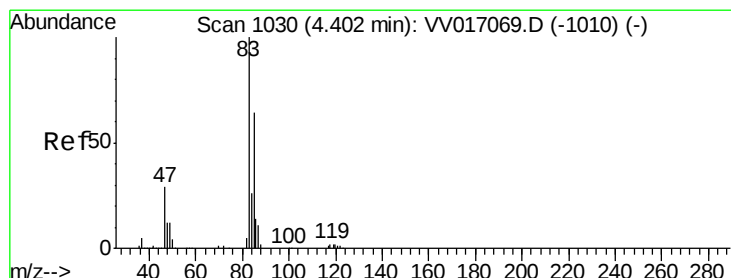
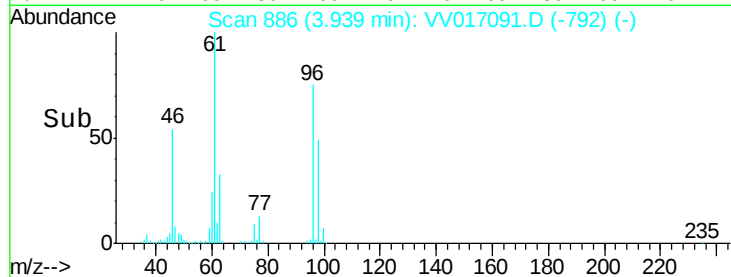
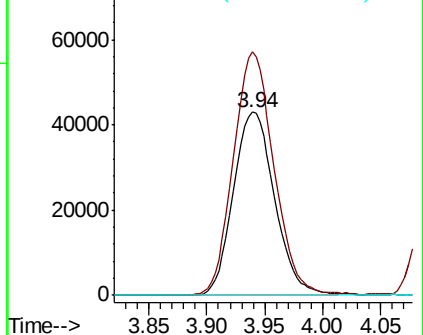
cis-1,2-Dichloroethene
Concen: 8.650 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017091.D
Acq: 24 Jun 2020 23:05

Instrument :
MSVOA_V
ClientSampleId :
BFXL8

Tot Ion: 96 Resp: 106079
Ion Ratio Lower Upper
96 100
61 133.0 91.0 169.0
68 0.0 0.0 0.0



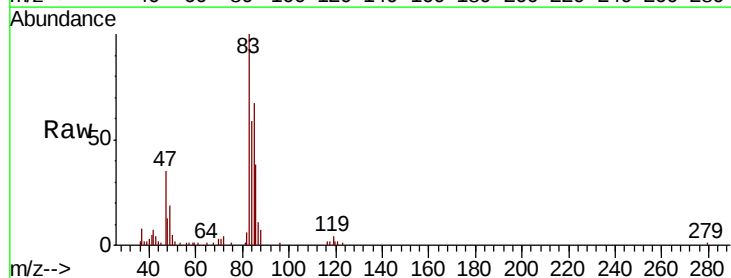
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



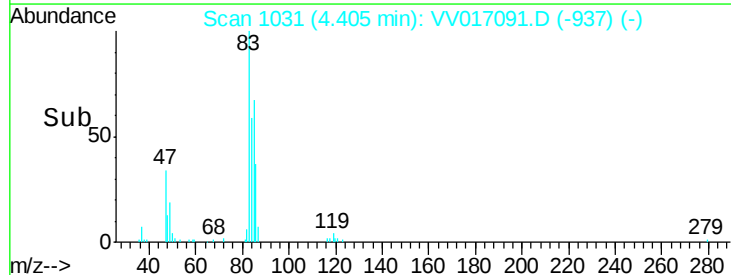
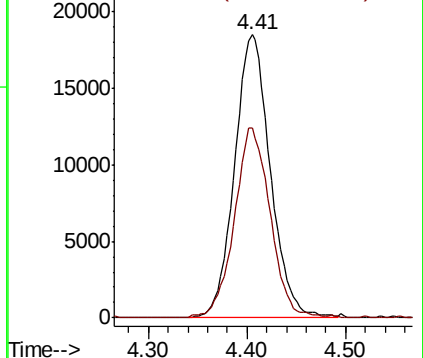
#25

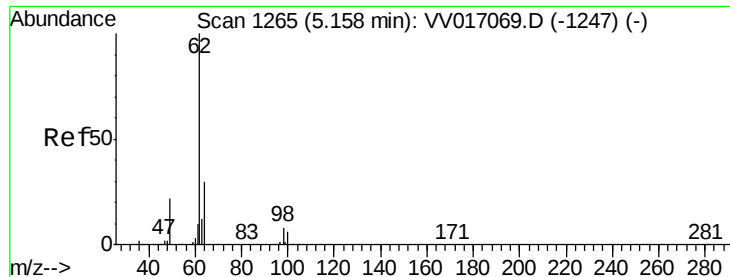
Chloroform
Concen: 2.118 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017091.D
Acq: 24 Jun 2020 23:05

Tgt Ion: 83 Resp: 46613
Ion Ratio Lower Upper
83 100
85 66.9 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.169 ug/L

RT: 5.17 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VV017091.D

Acq: 24 Jun 2020 23:05

Instrument :

MSVOA_V

ClientSampled :

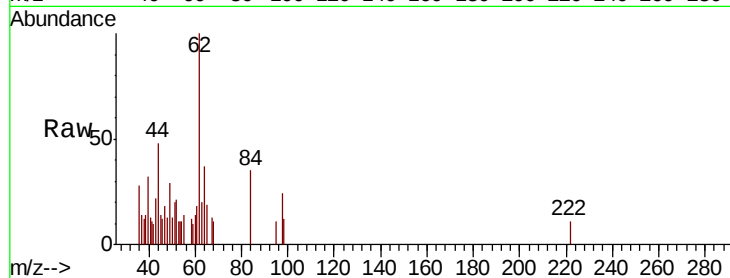
BFXL8

Tot Ion: 62 Resp: 2310

Ion Ratio Lower Upper

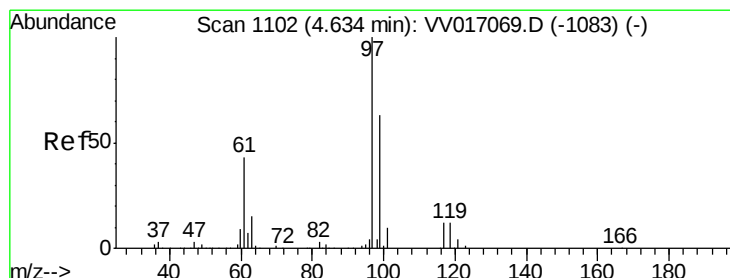
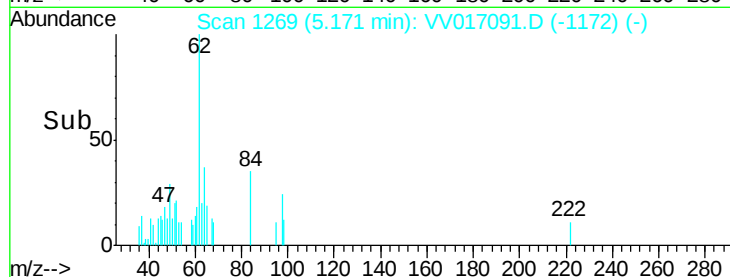
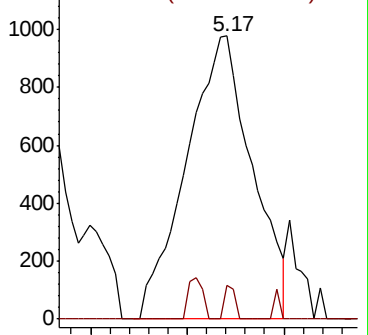
62 100

98 12.2 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 0.160 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV017091.D

Acq: 24 Jun 2020 23:05

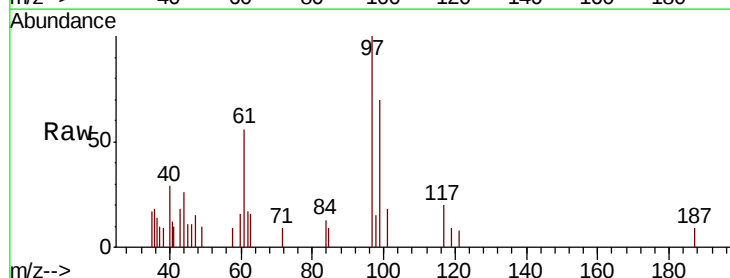
Tgt Ion: 97 Resp: 3244

Ion Ratio Lower Upper

97 100

99 62.9 50.3 75.5

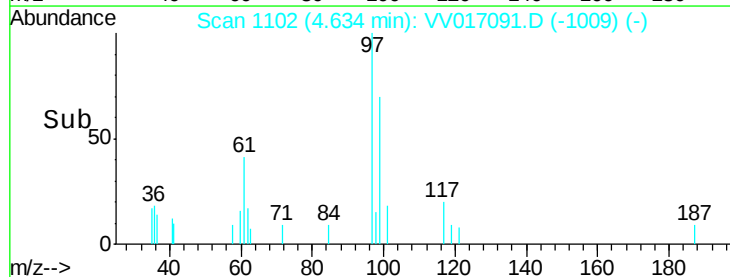
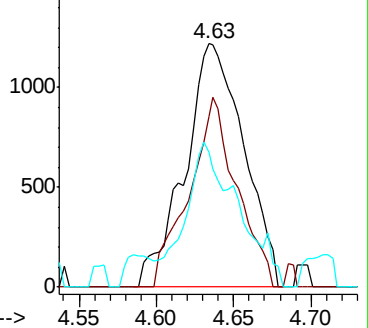
61 53.7 36.0 54.0

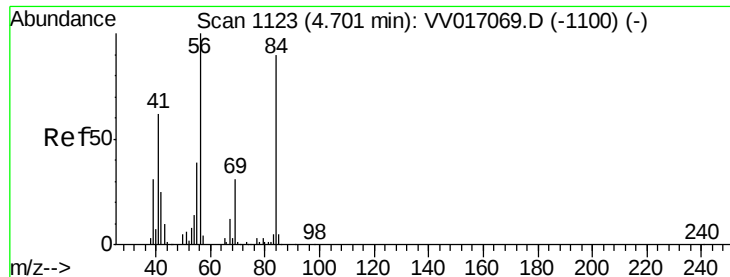


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0

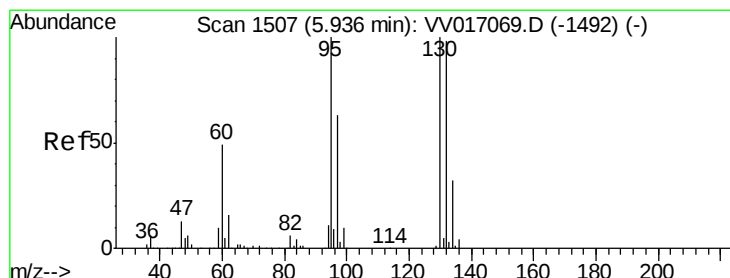
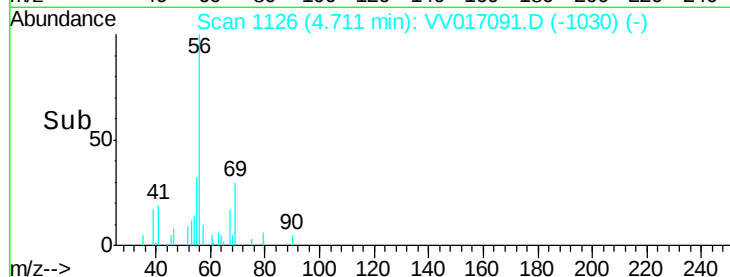
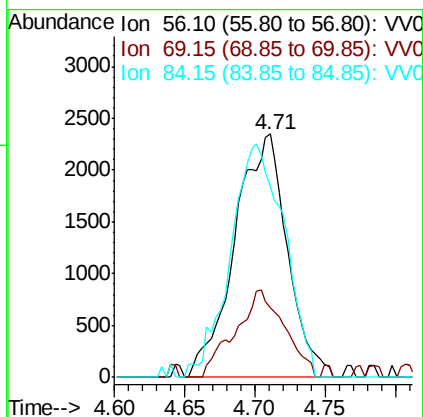
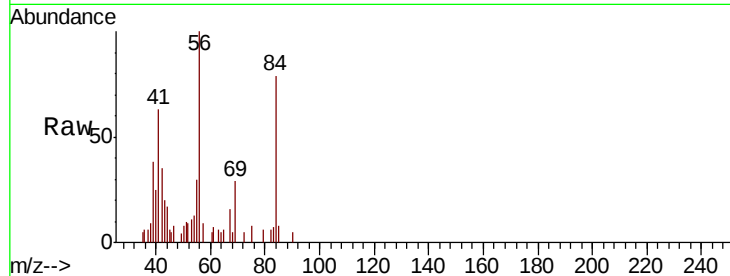




#30
Cvclohexane
Concen: 0.317 ug/L
RT: 4.71 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VV017091.D
Acq: 24 Jun 2020 23:05

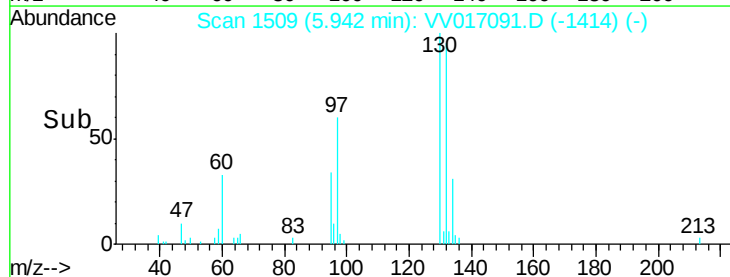
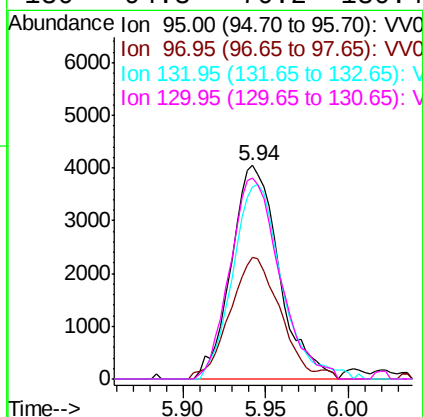
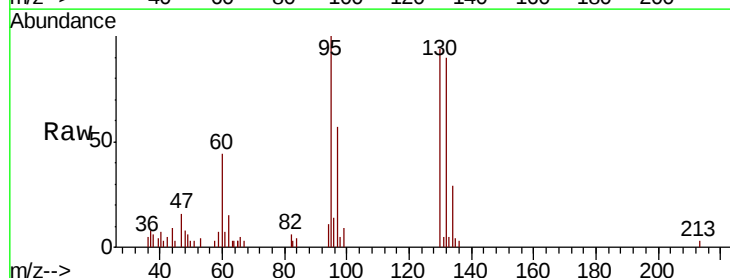
Instrument :
MSVOA_V
ClientSampleId :
BFXL8

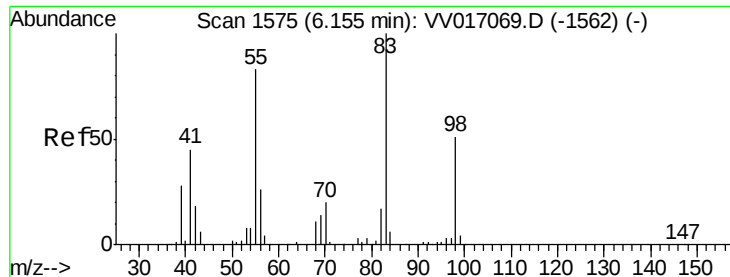
Tot Ion: 56 Resp: 6123
Ion Ratio Lower Upper
56 100
69 33.5 24.4 36.6
84 98.3 69.9 104.9



#34
Trichloroethene
Concen: 0.624 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017091.D
Acq: 24 Jun 2020 23:05

Tgt Ion: 95 Resp: 8102
Ion Ratio Lower Upper
95 100
97 56.9 45.3 84.1
132 89.8 68.8 127.8
130 94.3 70.2 130.4

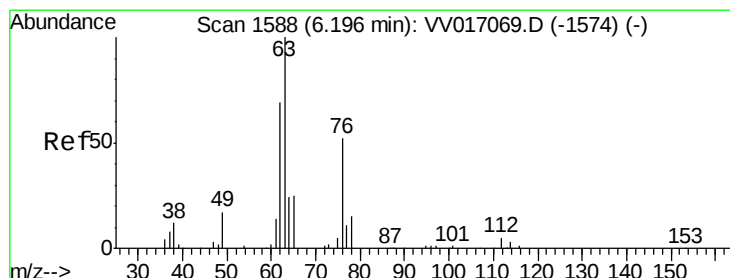
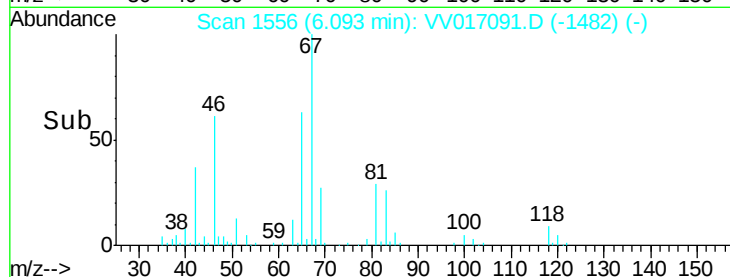
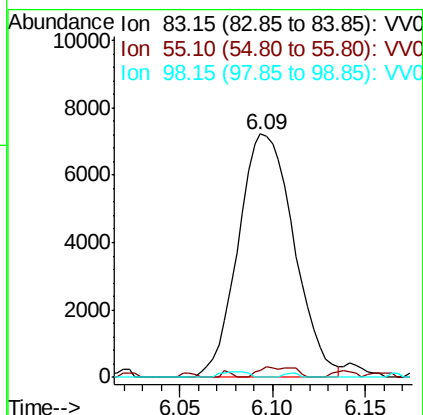
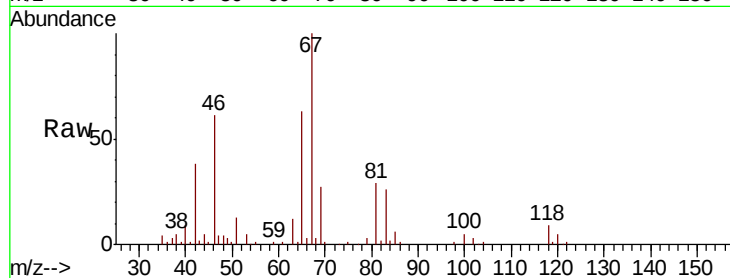




#35
Methvlcvclohexane
Concen: 0.746 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017091.D
Acq: 24 Jun 2020 23:05

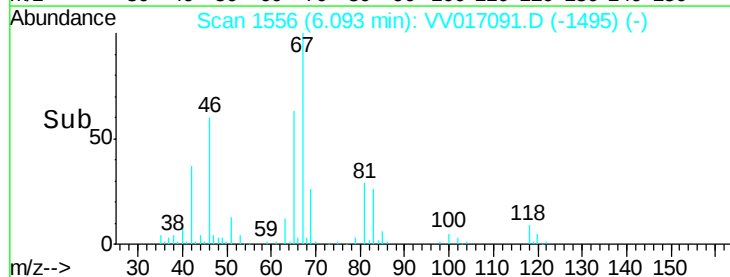
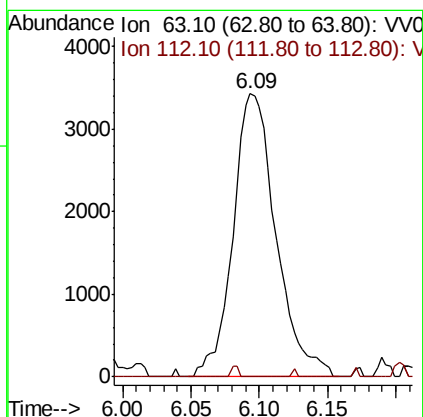
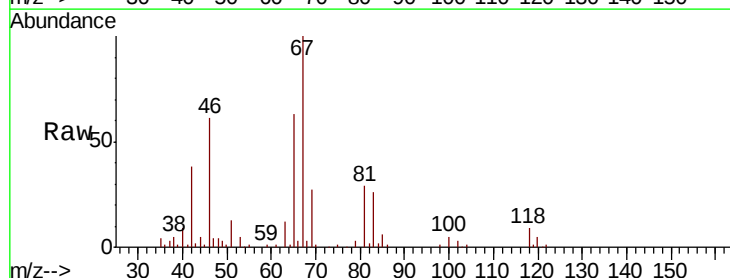
Instrument :
MSVOA_V
ClientSampleId :
BFXL8

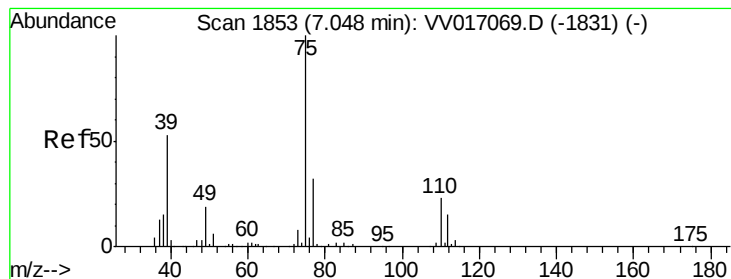
Tot Ion	83	Resp	15064
Ion Ratio	Lower	Upper	
83	100		
55	1.5	63.6	95.4#
98	0.5	38.8	58.2#



#37
1,2-Dichloropropane
Concen: 0.682 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017091.D
Acq: 24 Jun 2020 23:05

Tgt Ion	63	Resp	7483
Ion Ratio	Lower	Upper	
63	100		
112	0.7	4.4	6.6#



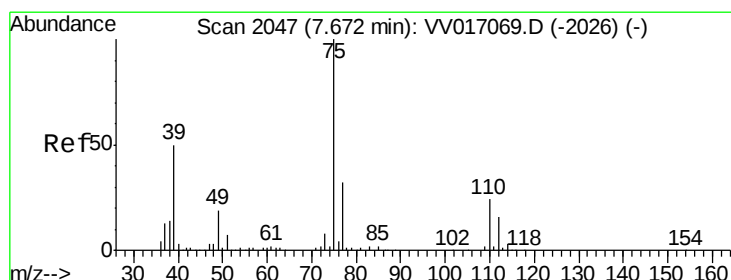
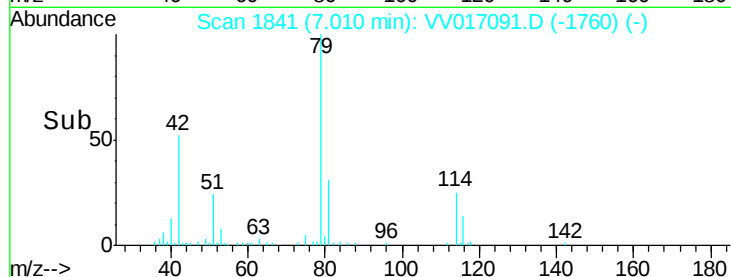
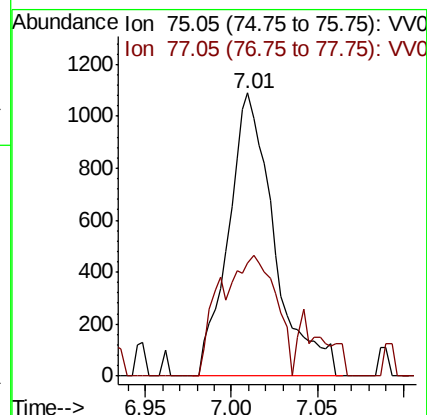
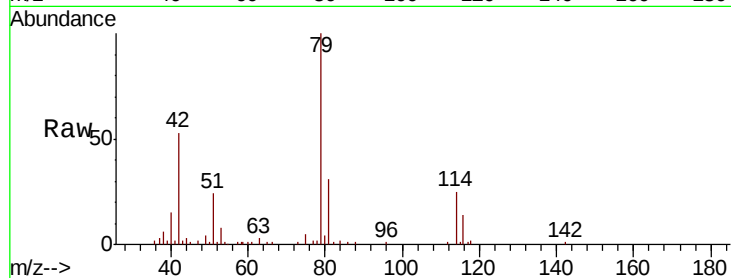


#39

cis-1,3-Dichloropropene
Concen: 0.124 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017091.D
Acq: 24 Jun 2020 23:05

Instrument :
MSVOA_V
ClientSampled :
BFXL8

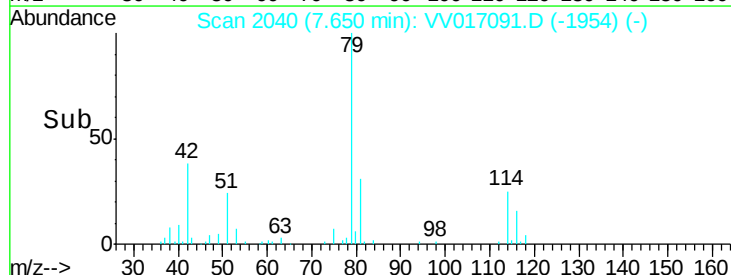
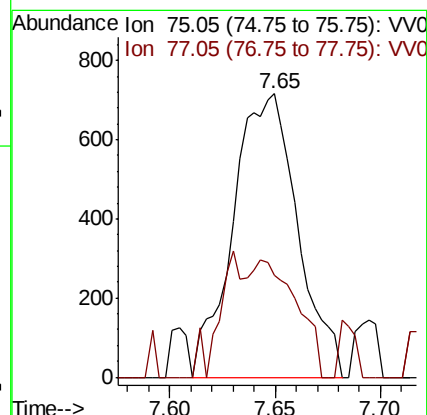
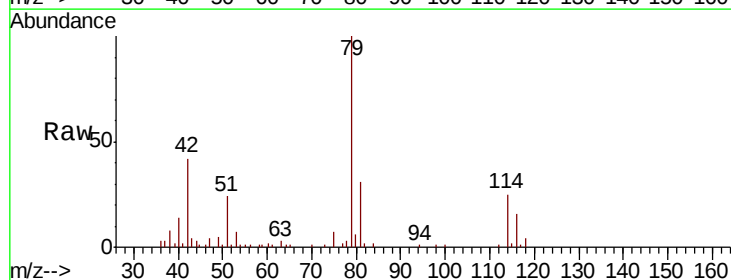
Tot Ion: 75 Resp: 2028
Ion Ratio Lower Upper
75 100
77 39.9 22.3 41.5

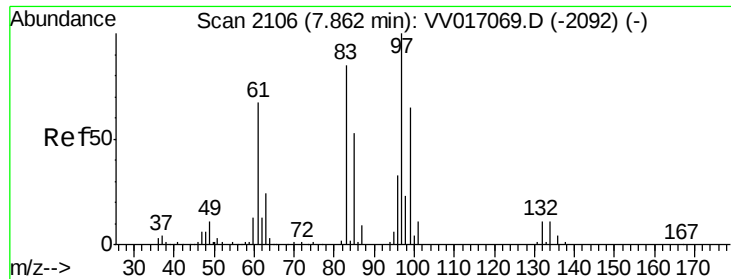


#46

trans-1,3-Dichloropropene
Concen: 0.108 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV017091.D
Acq: 24 Jun 2020 23:05

Tgt Ion: 75 Resp: 1530
Ion Ratio Lower Upper
75 100
77 36.0 22.3 41.3

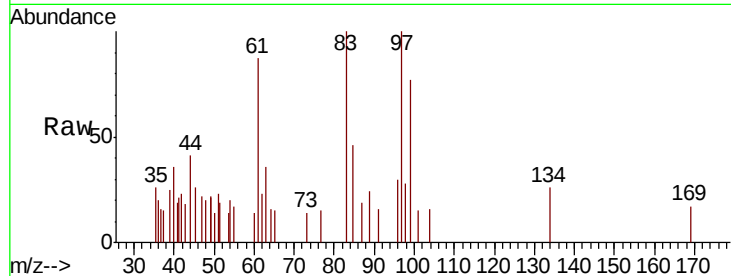




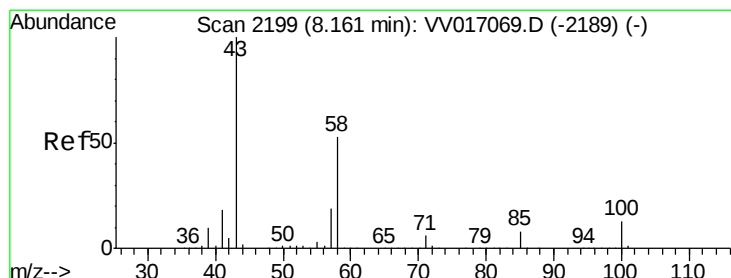
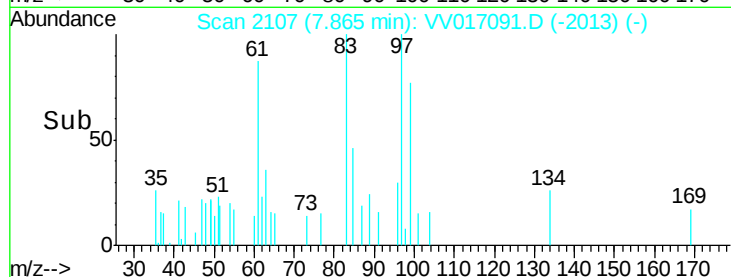
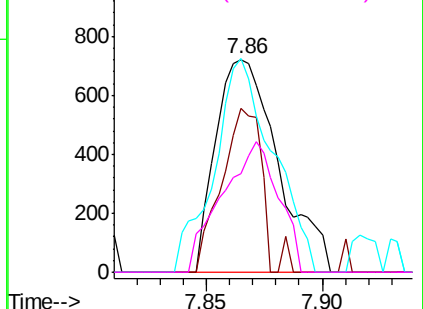
#47
 1,1,2-Trichloroethane
 Concen: 0.174 ug/L
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VV017091.D
 Acq: 24 Jun 2020 23:05

Instrument :
 MSVOA_V
 ClientSampleID :
 BFXL8

Tot Ion:	97	Resp:	1352
Ion	Ratio	Lower	Upper
97	100		
99	77.0	43.6	81.0
83	100.3	57.4	106.6
85	46.2	38.8	72.0

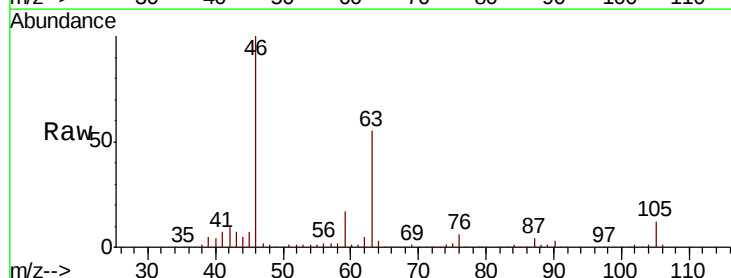


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0



#50
 2-Hexanone
 Concen: 2.546 ug/L
 RT: 8.11 min Scan# 2183
 Delta R.T. -0.05 min
 Lab File: VV017091.D
 Acq: 24 Jun 2020 23:05

Tgt Ion:	43	Resp:	11484
Ion	Ratio	Lower	Upper
43	100		
58	35.9	41.6	62.4#
57	32.0	15.4	23.0#
100	2.7	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

