

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
 Data File : VV016972.D
 Acq On : 18 Jun 2020 12:28
 Operator : SY/MD
 Sample : L3039-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M02

Quant Time: Jun 19 04:36:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 04:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	367814	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	356177	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	180523	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93590	36.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.12%
7) Chloroethane-d5	1.58	69	71823	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.24%
11) 1,1-Dichloroethene-d2	2.13	63	146310	33.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.14%
21) 2-Butanone-d5	3.91	46	170961	89.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.00%
24) Chloroform-d	4.38	84	226827	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.96%
26) 1,2-Dichloroethane-d4	5.06	65	167118	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
32) Benzene-d6	5.08	84	445945	43.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.86%
36) 1,2-Dichloropropane-d6	6.09	67	138920	43.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.82%
41) Toluene-d8	7.34	98	416737	44.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.46%
43) trans-1,3-Dichloropropene-	7.64	79	71650	42.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.96%
47) 2-Hexanone-d5	8.11	63	102187	73.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.24%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	183588	43.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	184425	47.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.74%

Target Compounds

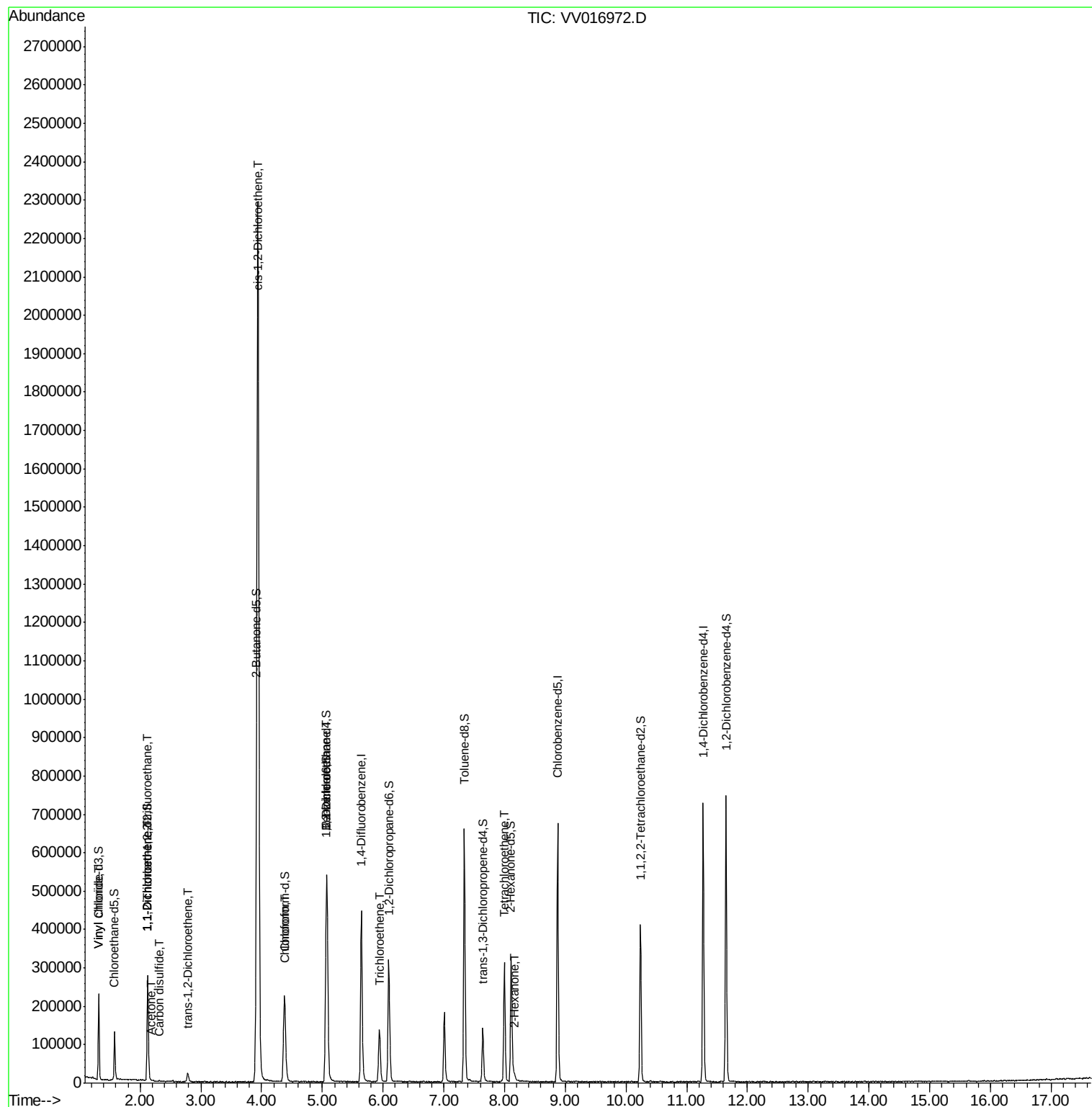
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	49073	18.713	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1253	0.641	ug/L #	23
12) 1,1-Dichloroethene	2.14	96	2371	1.299	ug/L #	1
13) Acetone	2.19	43	3657	2.889	ug/L	89
14) Carbon disulfide	2.31	76	3972	0.601	ug/L #	80
17) trans-1,2-Dichloroethene	2.78	96	8457	3.398	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	1247979	459.903	ug/L	98
25) Chloroform	4.40	83	4486	0.932	ug/L	86
27) 1,2-Dichloroethane	5.08	62	3143	0.779	ug/L	99
34) Trichloroethene	5.94	95	44537	15.758	ug/L	98
46) Tetrachloroethene	8.00	164	67174	30.220	ug/L	96
48) 2-Hexanone	8.16	43	10902	3.621	ug/L #	83

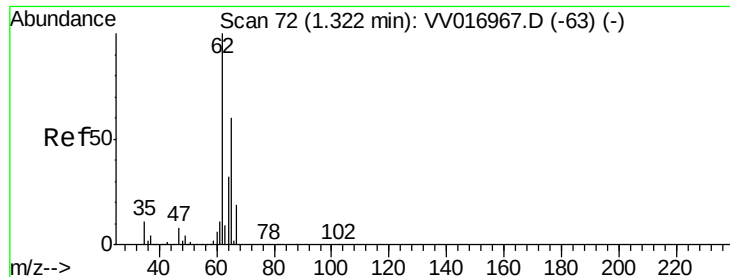
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
Data File : VV016972.D
Acq On : 18 Jun 2020 12:28
Operator : SY/MD
Sample : L3039-03
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9M02

Quant Time: Jun 19 04:36:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 19 04:33:43 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 18.713 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016972.D

Acq: 18 Jun 2020 12:28

Instrument :

MSVOA_V

ClientSampled :

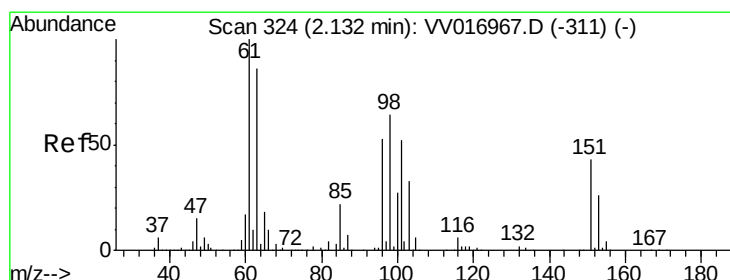
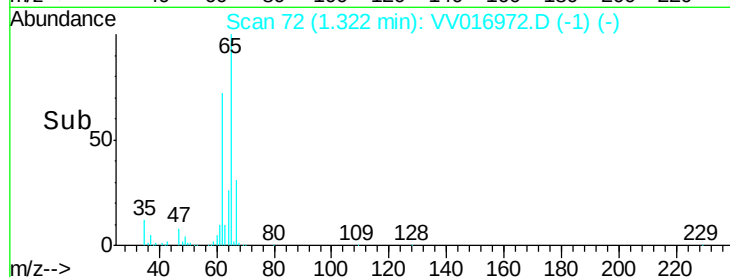
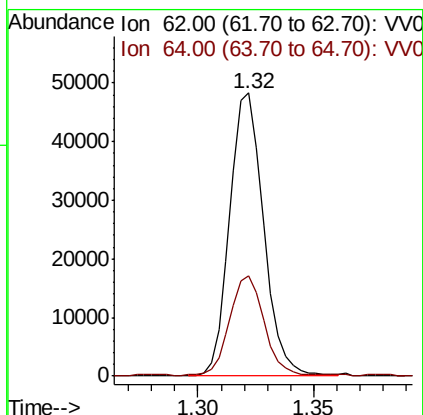
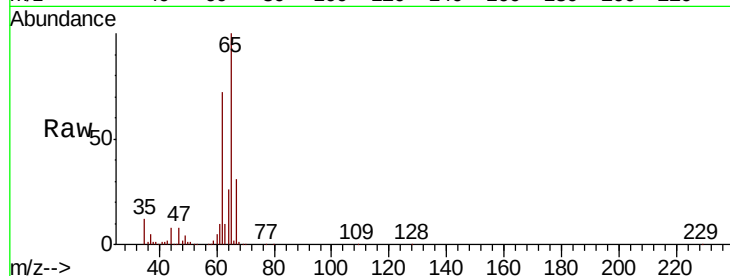
F9M02

Tot Ion: 62 Resp: 49073

Ion Ratio Lower Upper

62 100

64 35.6 22.3 41.5



#10

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

Concen: 0.641 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016972.D

Acq: 18 Jun 2020 12:28

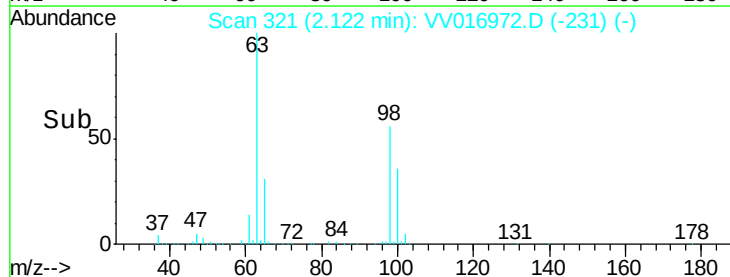
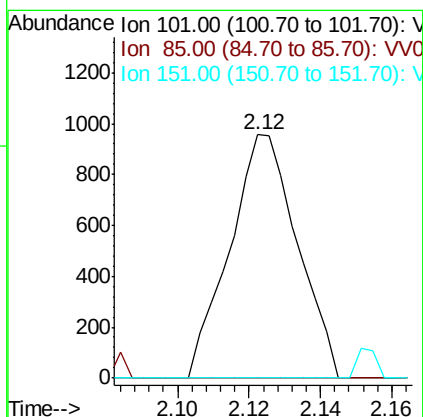
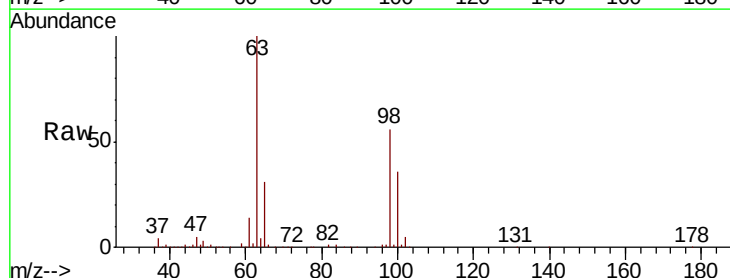
Tgt Ion: 101 Resp: 1253

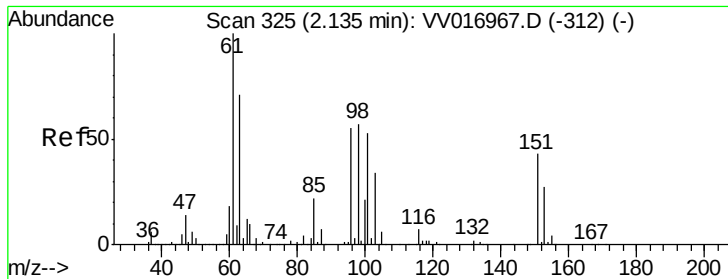
Ion Ratio Lower Upper

101 100

85 5.3 35.5 53.3#

151 3.4 63.9 95.9#





#12

1,1-Dichloroethene

Concen: 1.299 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016972.D

Acq: 18 Jun 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

F9M02

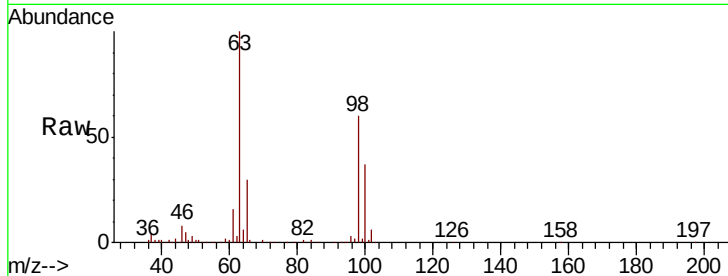
Tot Ion: 96 Resp: 2371

Ion Ratio Lower Upper

96 100

61 608.9 130.4 242.2#

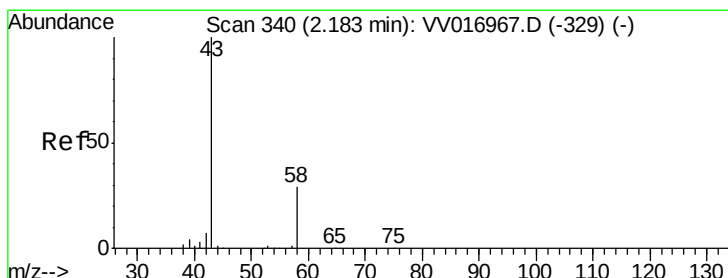
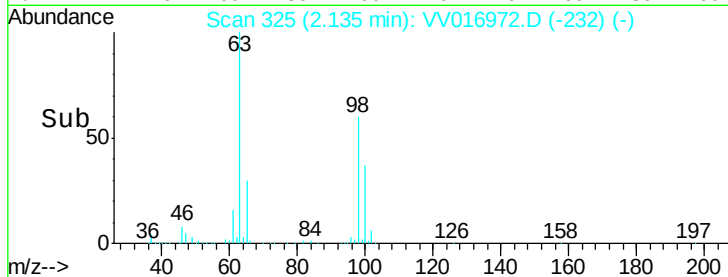
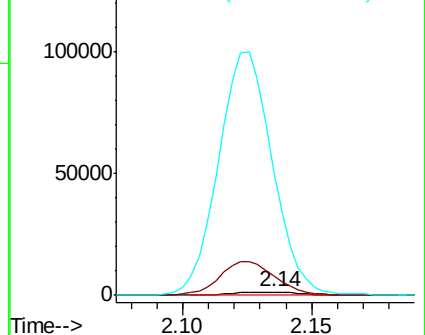
63 3924.6 103.3 191.9#



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



#13

Acetone

Concen: 2.889 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV016972.D

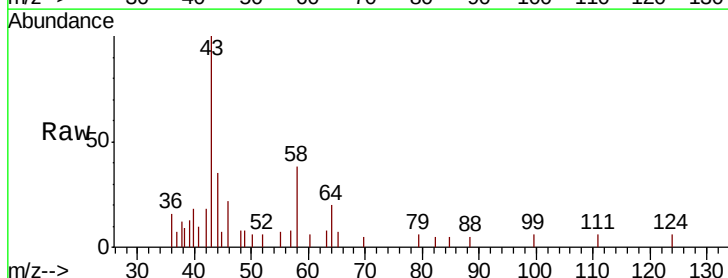
Acq: 18 Jun 2020 12:28

Tgt Ion: 43 Resp: 3657

Ion Ratio Lower Upper

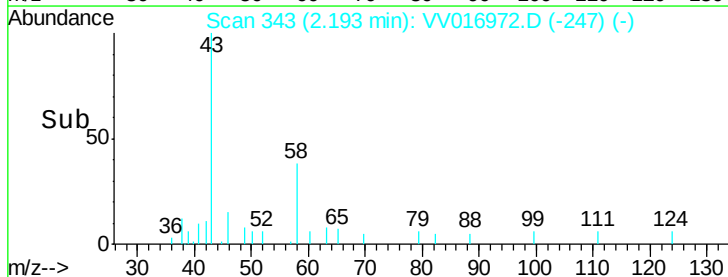
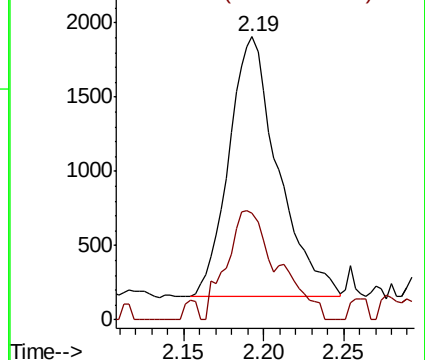
43 100

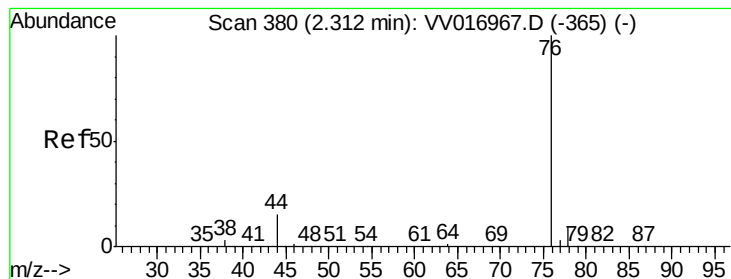
58 33.4 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 0.601 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016972.D

Acq: 18 Jun 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

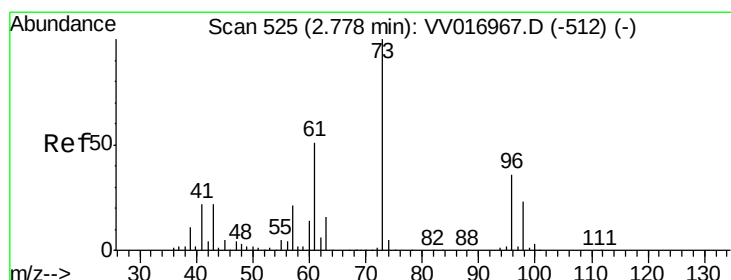
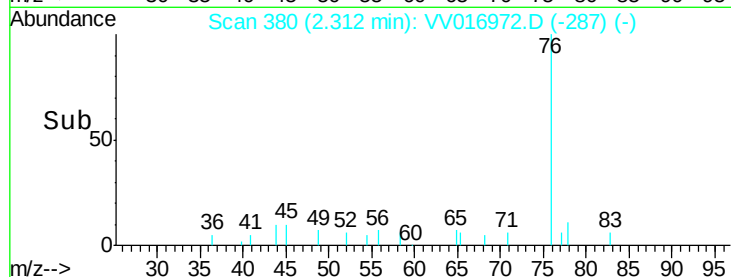
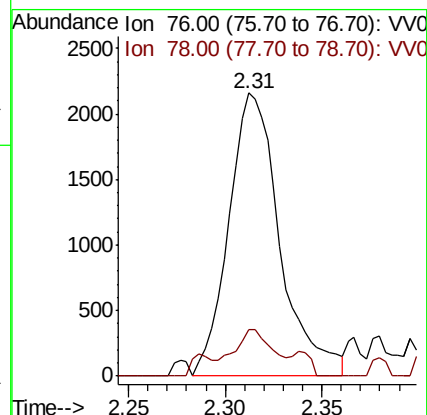
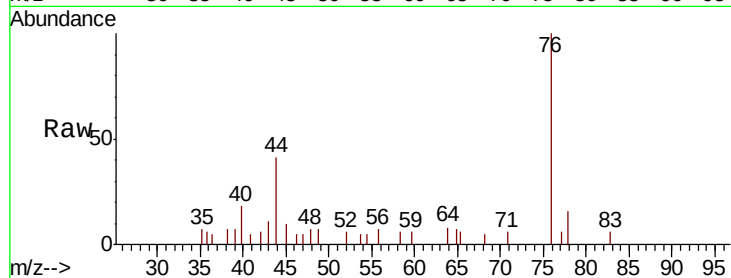
F9M02

Tot Ion: 76 Resp: 3972

Ion Ratio Lower Upper

76 100

78 16.4 7.4 11.0#



#17

trans-1,2-Dichloroethene

Concen: 3.398 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV016972.D

Acq: 18 Jun 2020 12:28

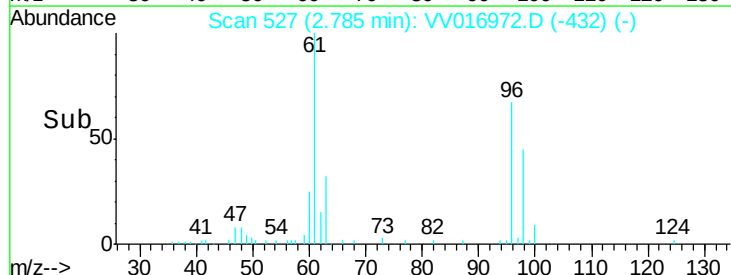
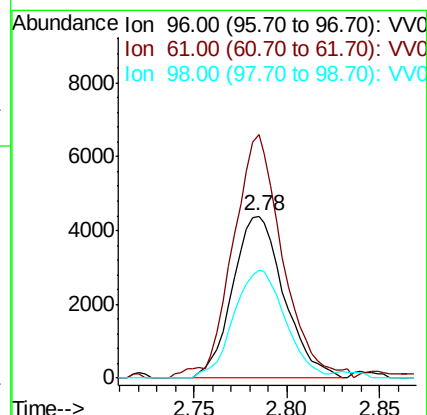
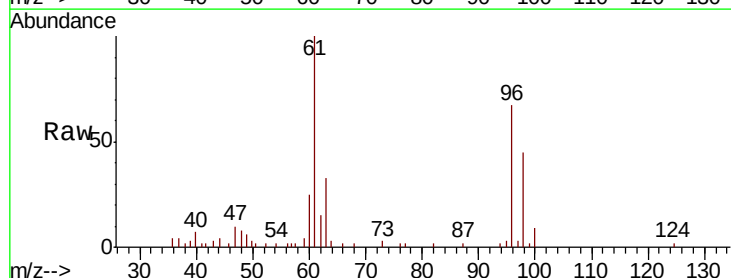
Tgt Ion: 96 Resp: 8457

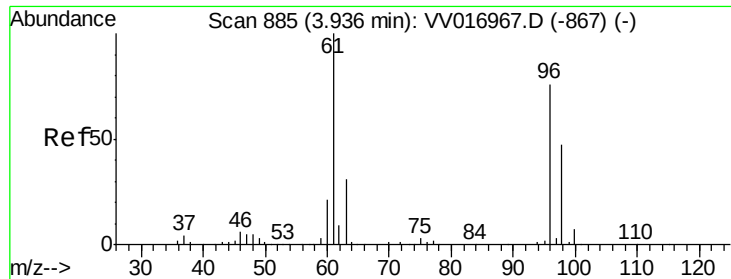
Ion Ratio Lower Upper

96 100

61 150.2 102.9 191.1

98 66.8 45.5 84.5

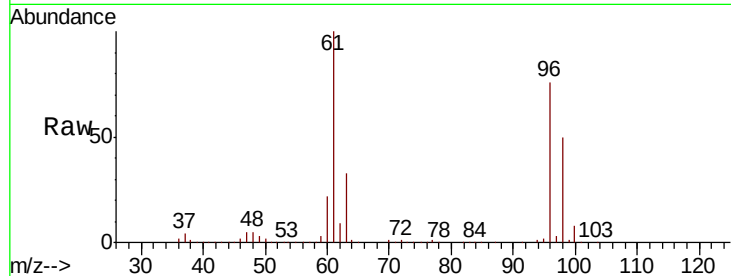




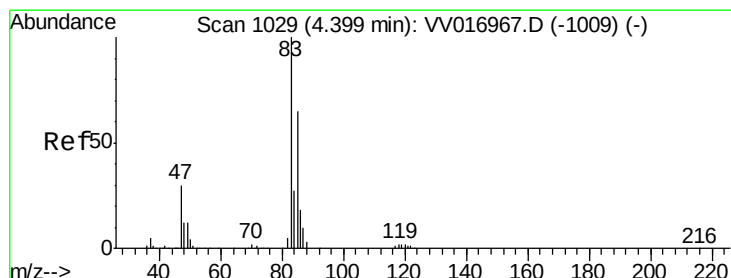
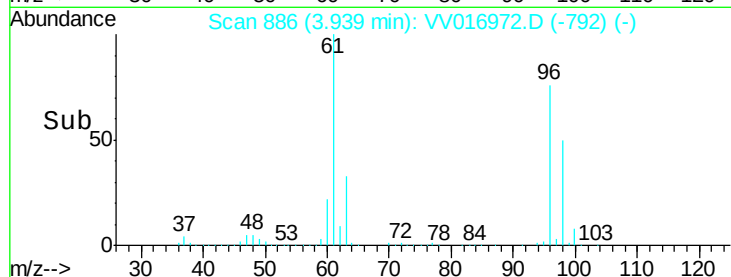
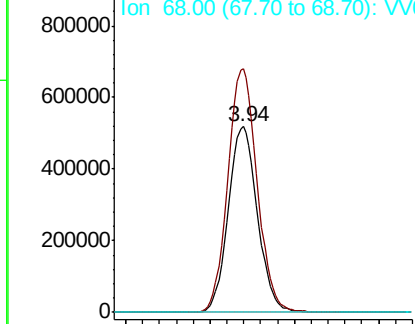
#20
 cis-1,2-Dichloroethene
 Concen: 459.903 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016972.D
 Acq: 18 Jun 2020 12:28

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M02

Tot Ion: 96 Resp: 1247979
 Ion Ratio Lower Upper
 96 100
 61 131.2 93.4 173.4
 68 0.0 0.0 0.0

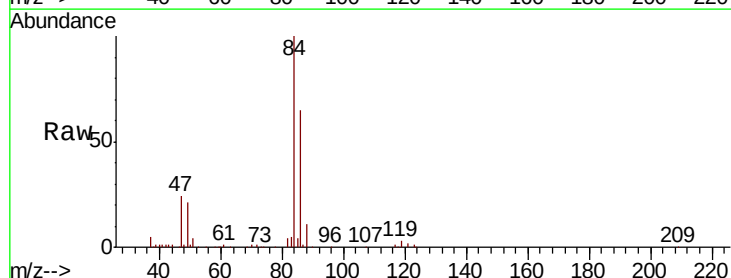


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

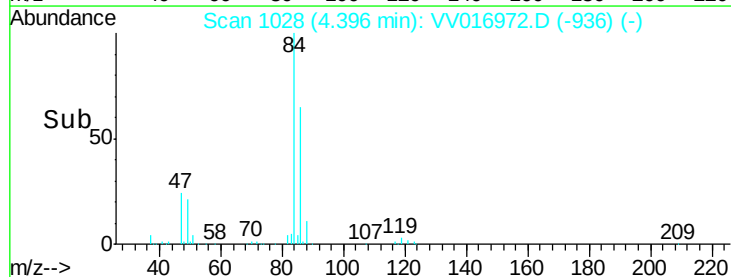
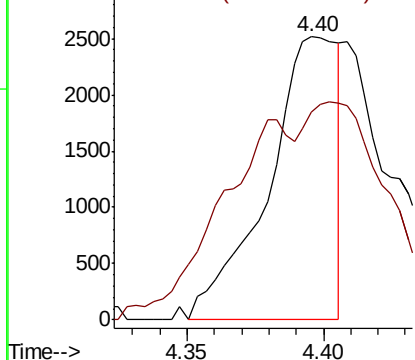


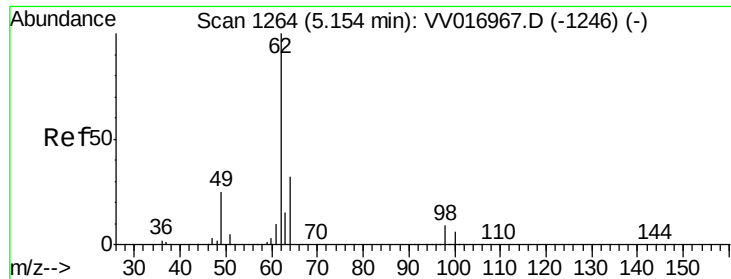
#25
 Chloroform
 Concen: 0.932 ug/L
 RT: 4.40 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: VV016972.D
 Acq: 18 Jun 2020 12:28

Tgt Ion: 83 Resp: 4486
 Ion Ratio Lower Upper
 83 100
 85 73.5 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

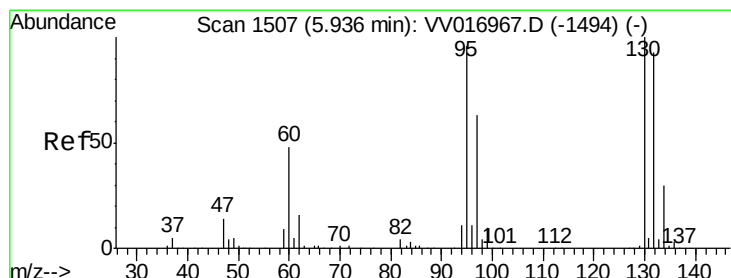
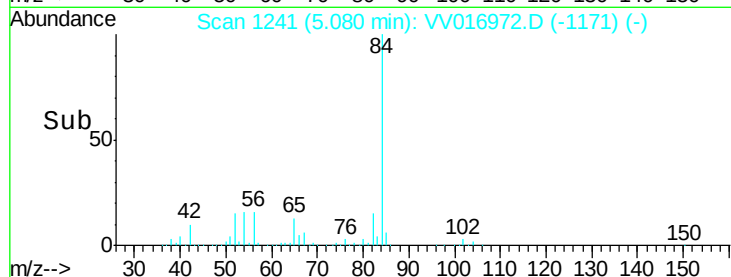
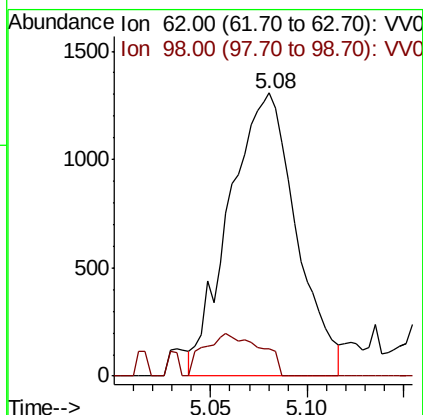
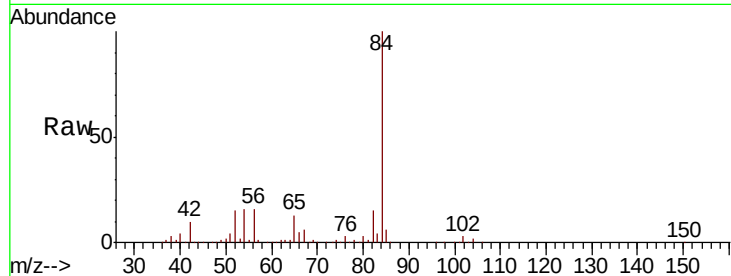




#27
 1,2-Dichloroethane
 Concen: 0.779 ug/L
 RT: 5.08 min Scan# 1241
 Delta R.T. -0.07 min
 Lab File: VV016972.D
 Acq: 18 Jun 2020 12:28

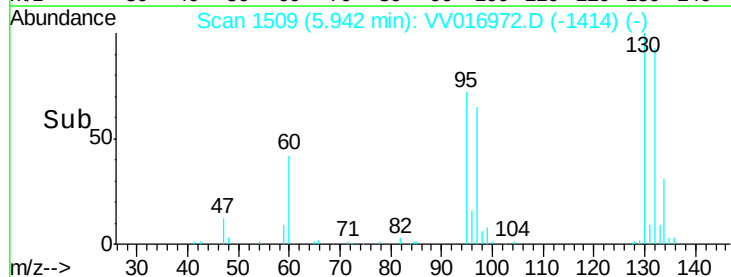
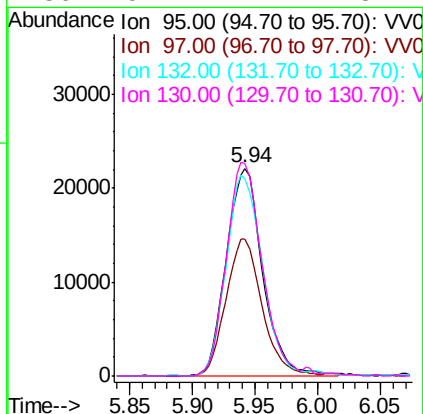
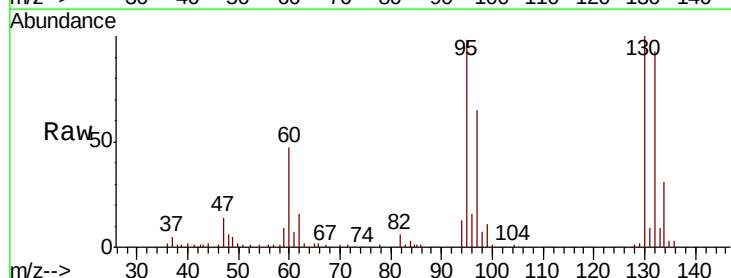
Instrument :
 MSVOA_V
 ClientSampled :
 F9M02

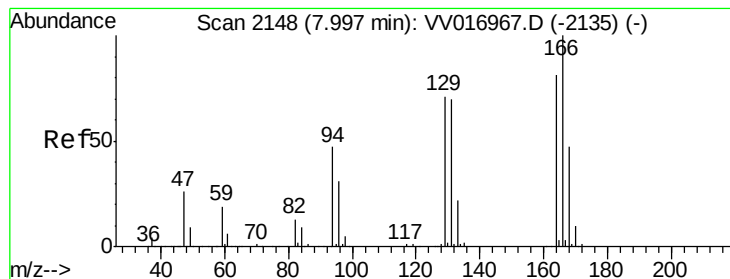
Tot Ion: 62 Resp: 3143
 Ion Ratio Lower Upper
 62 100
 98 9.5 7.4 11.2



#34
 Trichloroethene
 Concen: 15.758 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV016972.D
 Acq: 18 Jun 2020 12:28

Tgt Ion: 95 Resp: 44537
 Ion Ratio Lower Upper
 95 100
 97 66.1 44.3 82.3
 132 95.1 67.9 126.1
 130 102.2 72.2 134.2





#46

Tetrachloroethene

Concen: 30.220 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016972.D

Acq: 18 Jun 2020 12:28

Instrument :

MSVOA_V

ClientSampleId :

F9M02

Tot Ion:164 Resp: 67174

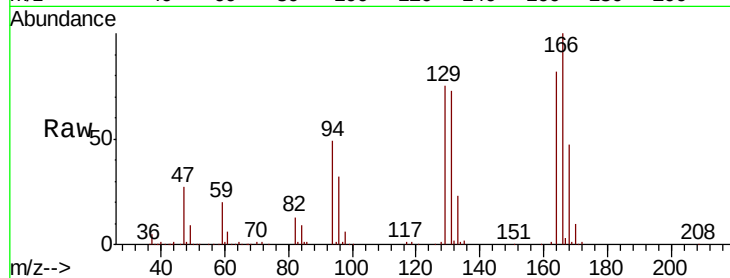
Ion Ratio Lower Upper

164 100

129 92.0 67.0 124.4

131 89.9 64.8 120.3

166 122.5 90.4 167.8



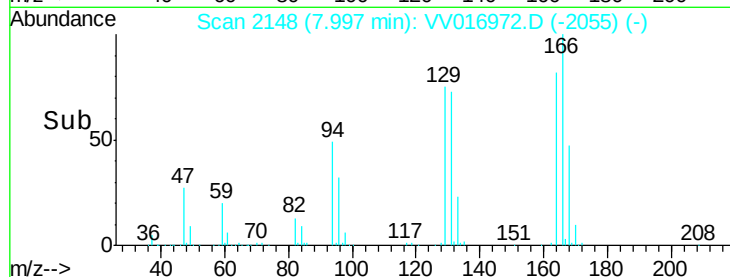
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

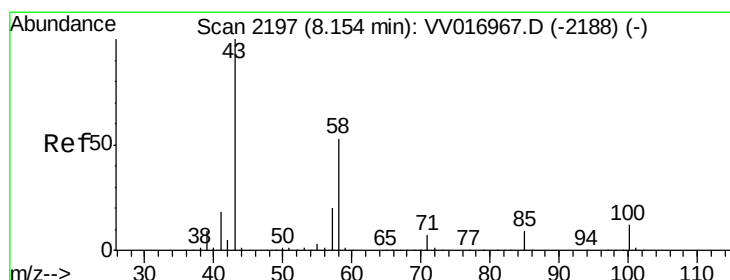
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->



Time-->



#48

2-Hexanone

Concen: 3.621 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV016972.D

Acq: 18 Jun 2020 12:28

Tgt Ion: 43 Resp: 10902

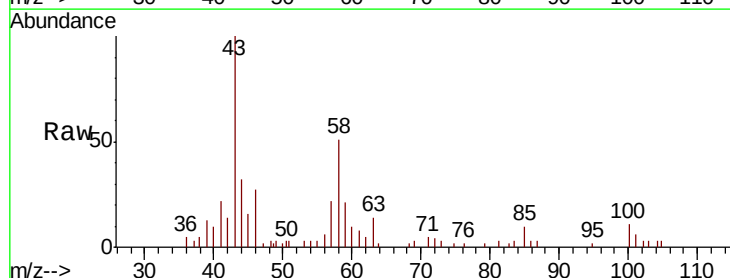
Ion Ratio Lower Upper

43 100

58 38.8 43.1 64.7#

57 21.0 15.3 22.9

100 5.0 10.0 15.0#



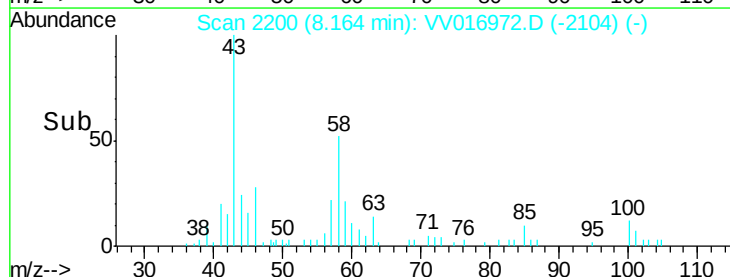
Abundance Ion 43.00 (42.70 to 43.70): VV0

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-->



Time-->