

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
 Data File : VV015983.D
 Acq On : 11 May 2020 12:42
 Operator : SY/MD
 Sample : L2520-22MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 12 01:10:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 12 01:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	141800	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	138305	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	59907	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31817	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	32741	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.13	63	78671	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	3.93	46	107079	48.80	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.60%
24) Chloroform-d	4.38	84	82335	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.06	65	46392	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.08	84	158032	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.10	67	51001	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.34	98	140521	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
45) trans-1,3-Dichloropropene-	7.65	79	14148	3.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.80%
48) 2-Hexanone-d5	8.11	63	74786	43.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.36%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35088	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	52217	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.48	64	11536	1.539	ug/L #	47
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	623	0.076	ug/L #	24
12) 1,1-Dichloroethene	2.13	96	43421	5.564	ug/L	88
13) Acetone	2.22	43	4283	2.959	ug/L	67
22) cis-1,2-Dichloroethene	3.95	96	4934	0.547	ug/L	92
25) Chloroform	4.41	83	3693	0.202	ug/L	93
27) 1,2-Dichloroethane	5.13	62	2545	0.226	ug/L #	76
33) Benzene	5.13	78	211246	6.071	ug/L	100
34) Trichloroethene	5.94	95	67775	6.824	ug/L	98
35) Methylcyclohexane	6.10	83	13031	0.867	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6238	0.706	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1196	0.096	ug/L #	74
42) Toluene	7.41	91	221276	5.999	ug/L	100
46) trans-1,3-Dichloropropene	7.65	75	691	0.065	ug/L #	68
50) 2-Hexanone	8.16	43	3790	0.973	ug/L #	49
53) Chlorobenzene	8.90	112	145370	6.128	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
Data File : VV015983.D
Acq On : 11 May 2020 12:42
Operator : SY/MD
Sample : L2520-22MS
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 12 01:10:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 12 01:07:44 2020
Response via : Initial Calibration

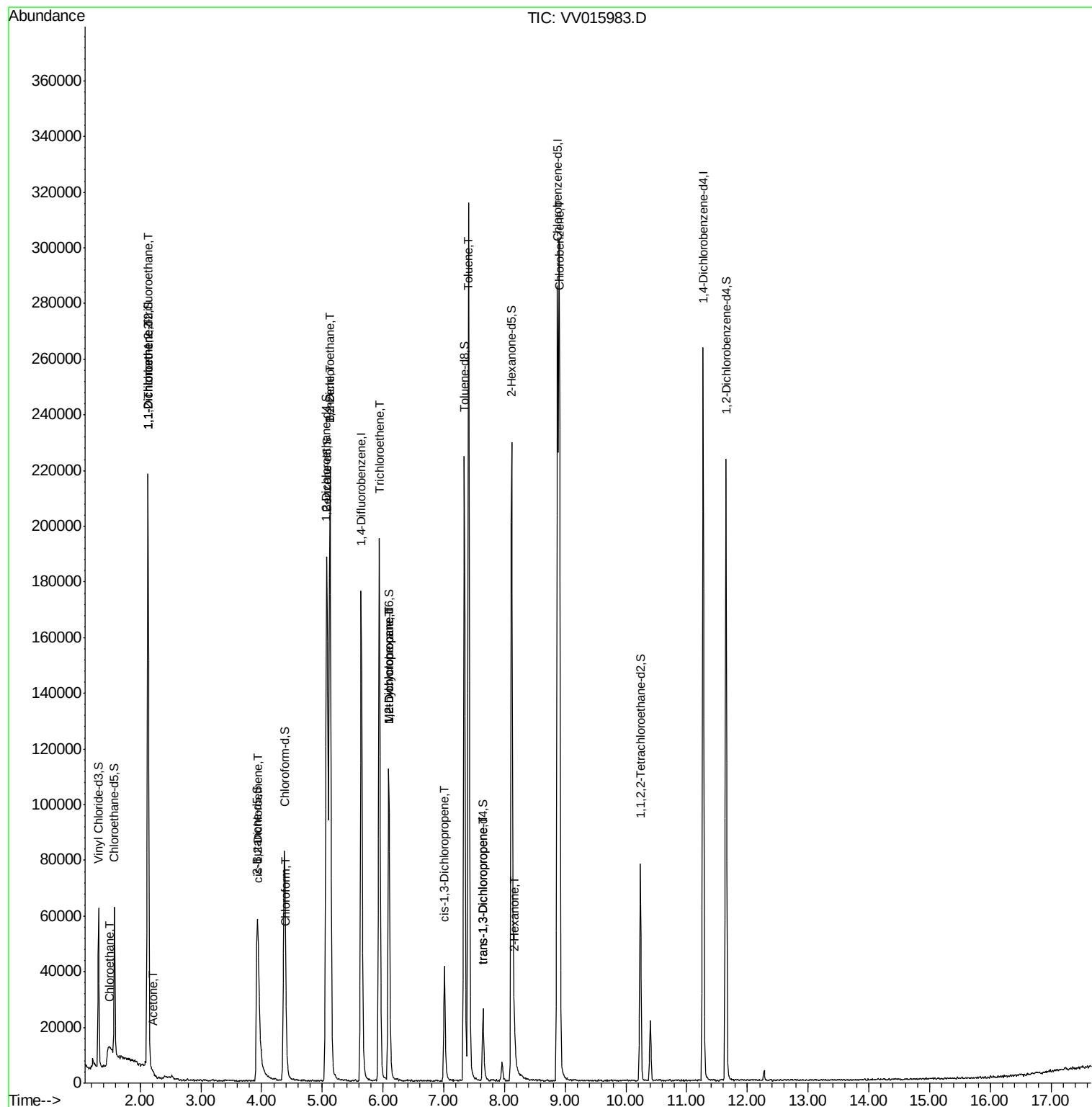
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

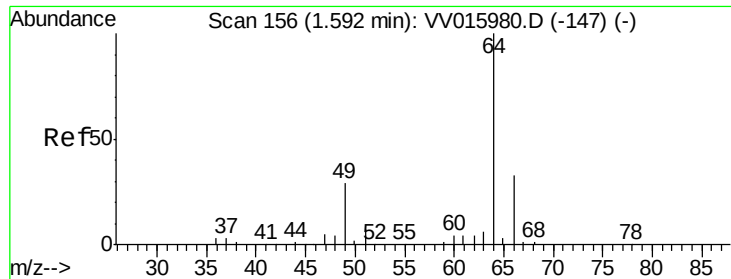
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV051120\
Data File : VV015983.D
Acq On : 11 May 2020 12:42
Operator : SY/MD
Sample : L2520-22MS
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 12 01:10:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 12 01:07:44 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.539 ug/L

RT: 1.48 min Scan# 121

Delta R.T. -0.11 min

Lab File: VV015983.D

Acq: 11 May 2020 12:42

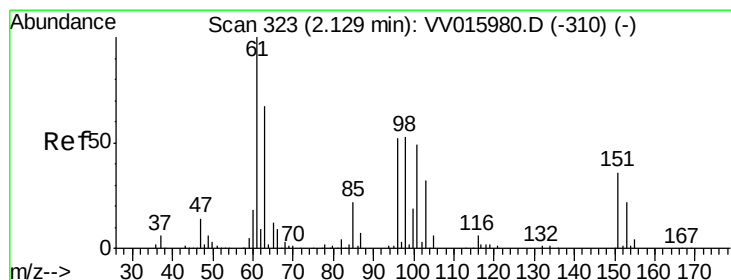
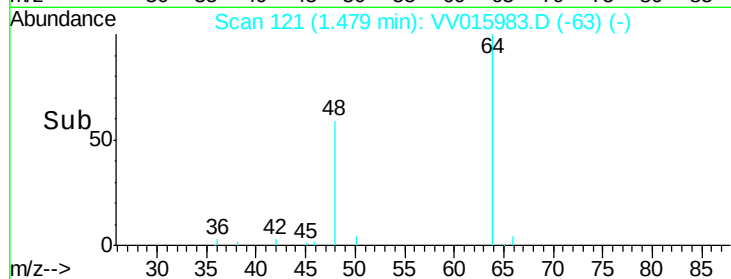
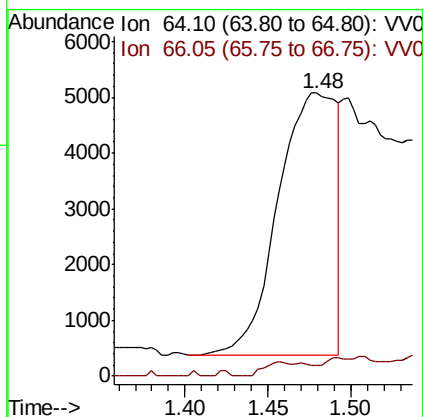
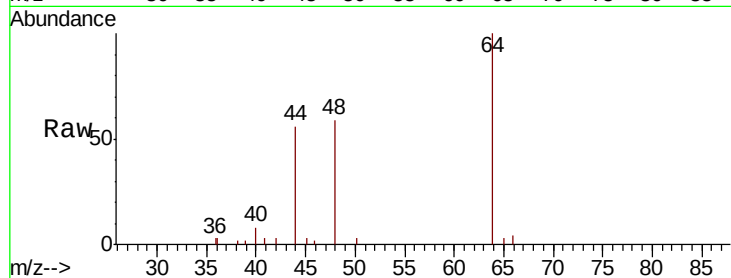
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 11536

Ion Ratio Lower Upper

64 100

66 3.6 23.6 43.8#



#10

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

Concen: 0.076 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015983.D

Acq: 11 May 2020 12:42

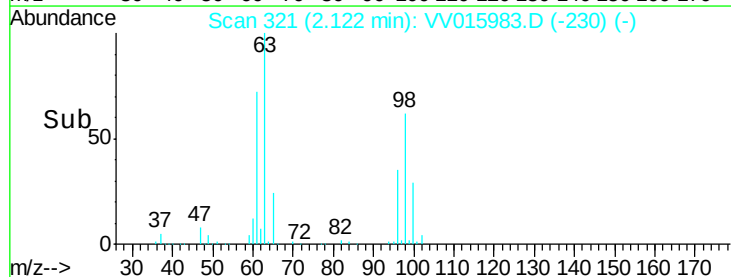
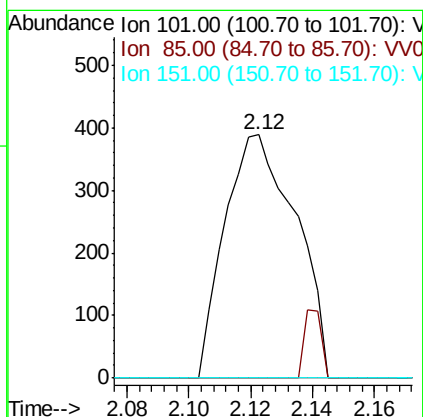
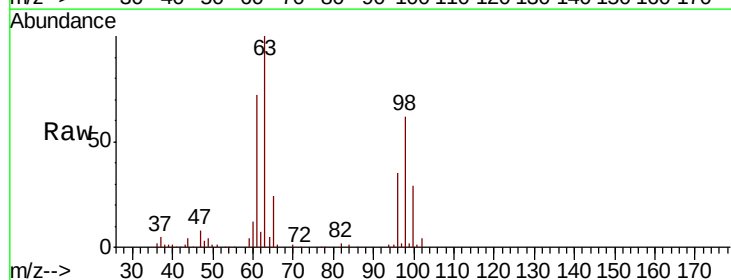
Tgt Ion: 101 Resp: 623

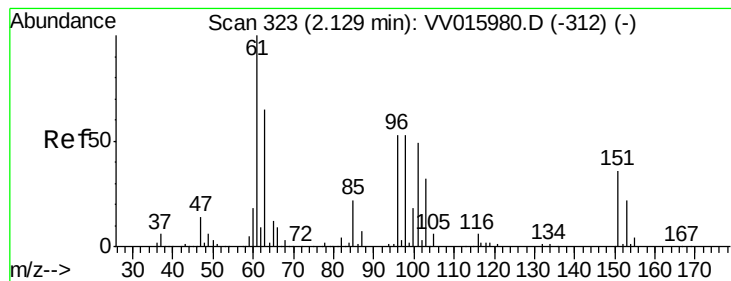
Ion Ratio Lower Upper

101 100

85 6.6 35.7 53.5#

151 0.0 58.0 87.0#





#12

1,1-Dichloroethene

Concen: 5.564 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015983.D

Acq: 11 May 2020 12:42

Instrument :
MSVOA_V
ClientSampled :

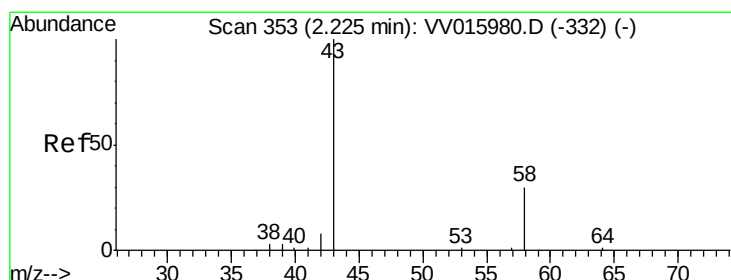
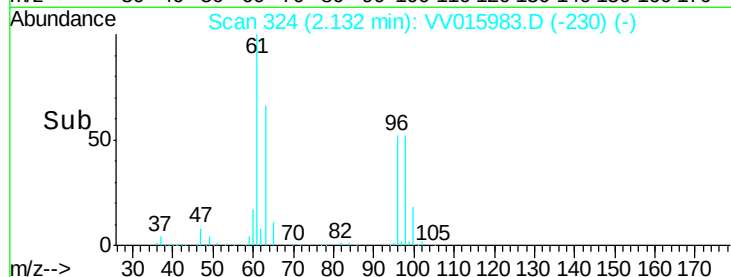
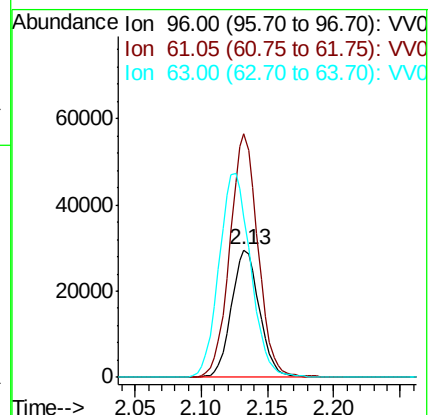
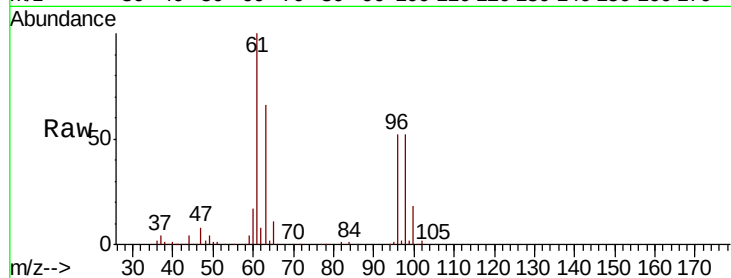
Tot Ion: 96 Resp: 43421

Ion Ratio Lower Upper

96 100

61 190.7 139.9 259.7

63 126.1 106.4 197.6



#13

Acetone

Concen: 2.959 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV015983.D

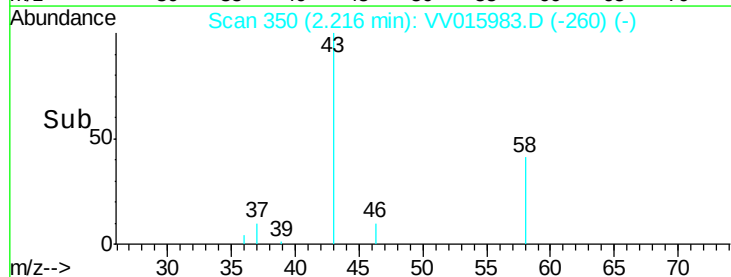
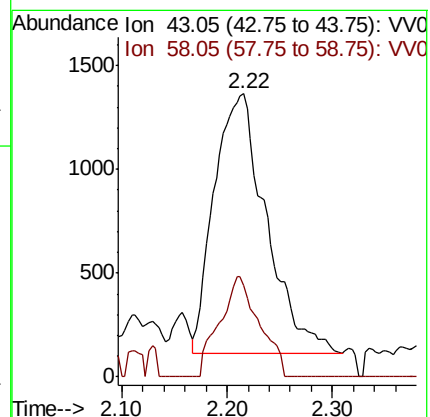
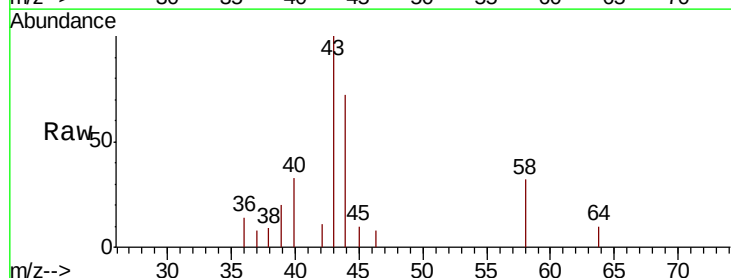
Acq: 11 May 2020 12:42

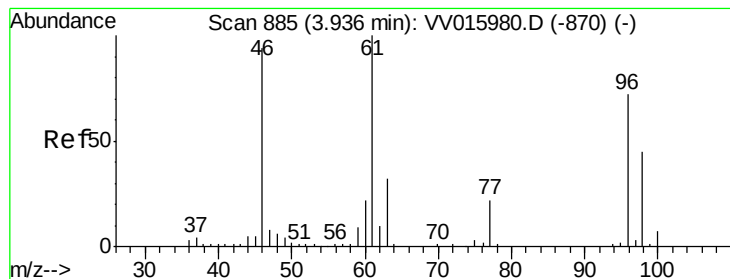
Tgt Ion: 43 Resp: 4283

Ion Ratio Lower Upper

43 100

58 29.4 0.0 30.8





#22

cis-1,2-Dichloroethene

Concen: 0.547 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.01 min

Lab File: VV015983.D

Acq: 11 May 2020 12:42

Instrument :
MSVOA_V
ClientSampleId :

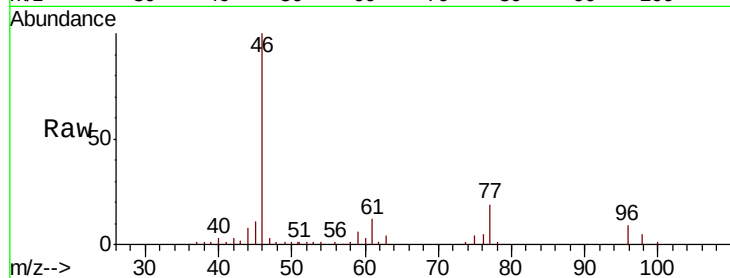
Tot Ion: 96 Resp: 4934

Ion Ratio Lower Upper

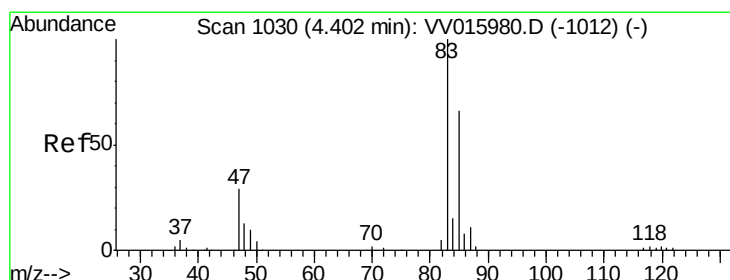
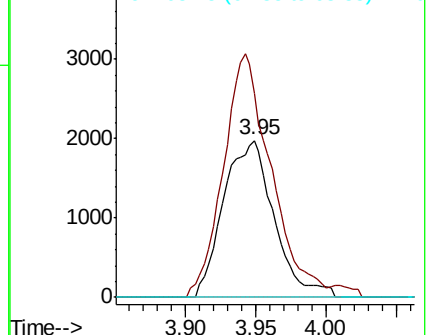
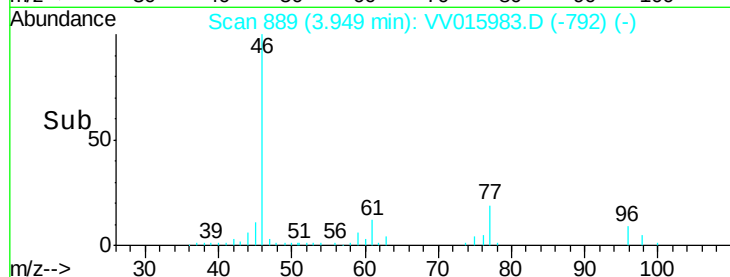
96 100

61 129.6 97.2 180.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015983.D (-792) (-)



#25

Chloroform

Concen: 0.202 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015983.D

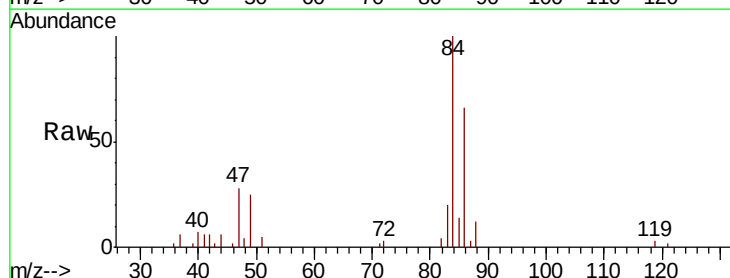
Acq: 11 May 2020 12:42

Tgt Ion: 83 Resp: 3693

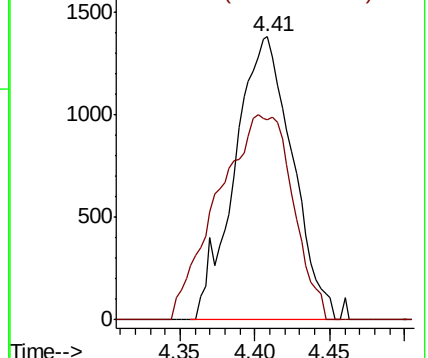
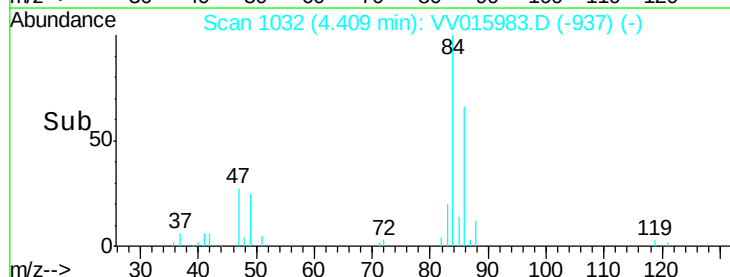
Ion Ratio Lower Upper

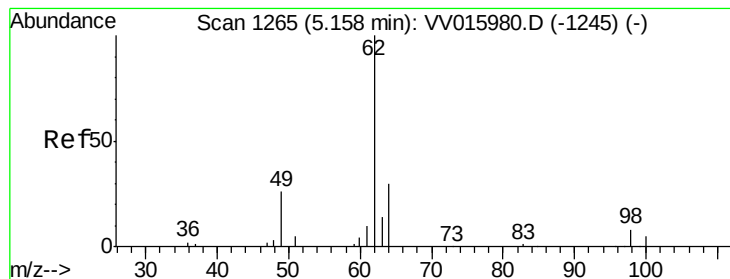
83 100

85 70.8 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV015983.D (-937) (-)





#27

1,2-Dichloroethane

Concen: 0.226 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.03 min

Lab File: VV015983.D

Acq: 11 May 2020 12:42

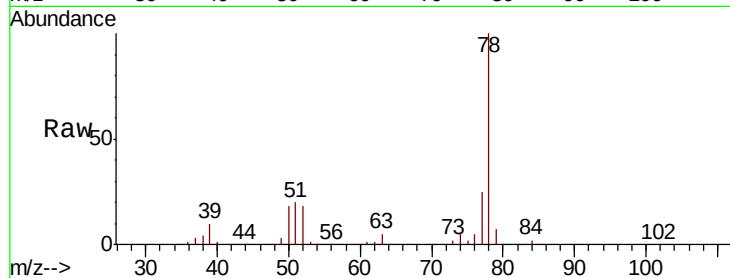
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 2545

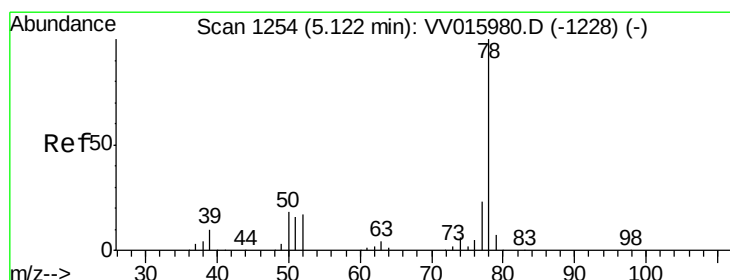
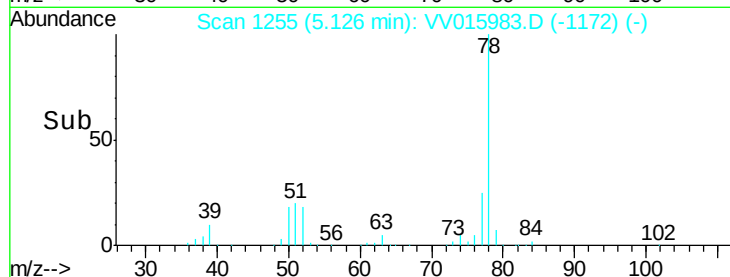
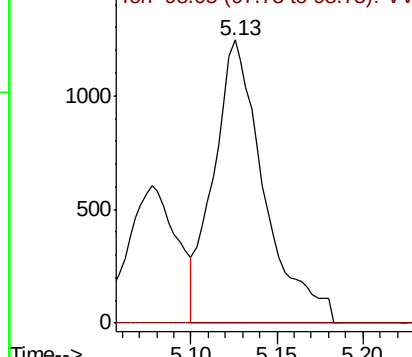
Ion Ratio Lower Upper

62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0



#33

Benzene

Concen: 6.071 ug/L

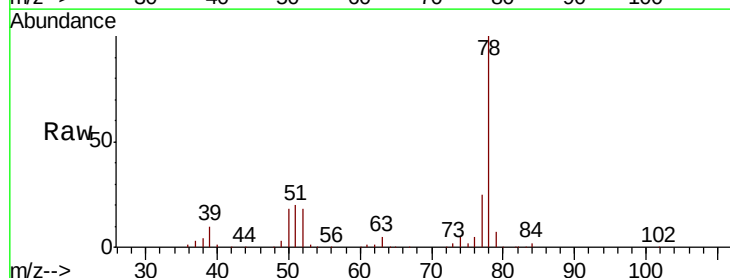
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

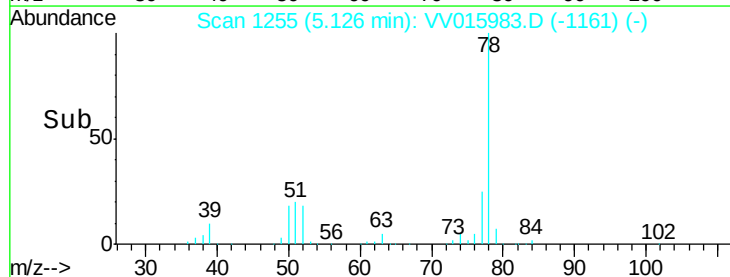
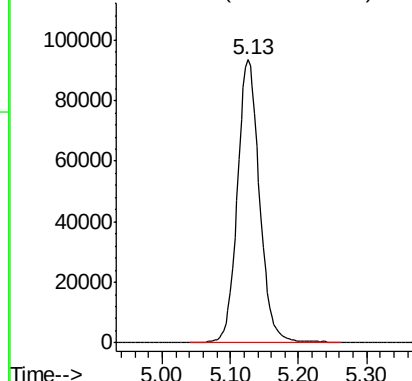
Lab File: VV015983.D

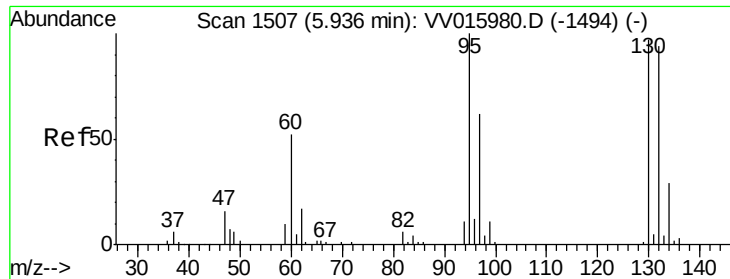
Acq: 11 May 2020 12:42

Tgt Ion: 78 Resp: 211246



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 6.824 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015983.D

Acq: 11 May 2020 12:42

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 67775

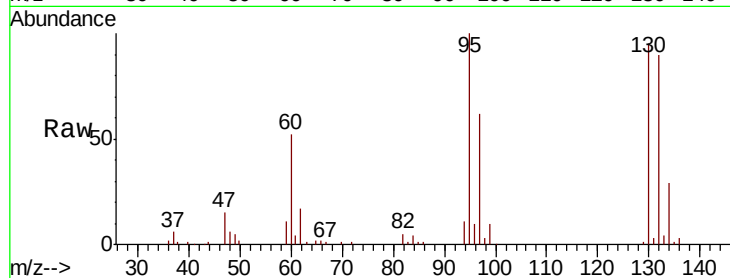
Ion Ratio Lower Upper

95 100

97 61.8 43.3 80.5

132 90.2 60.3 112.1

130 94.8 66.0 122.6

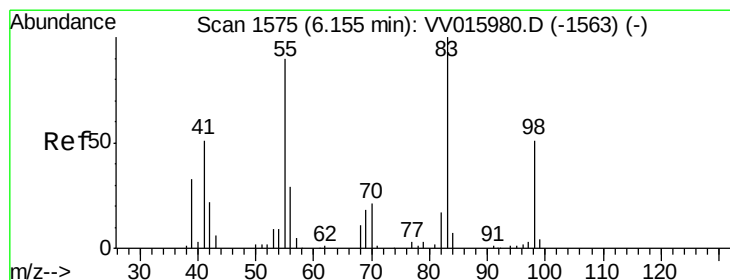
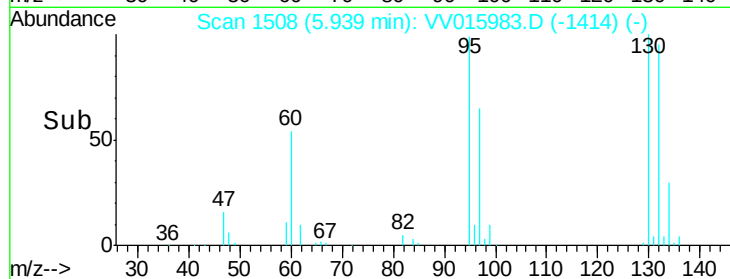
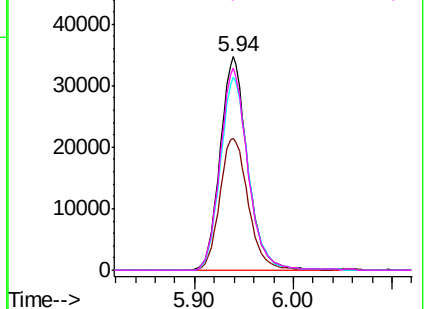


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.867 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV015983.D

Acq: 11 May 2020 12:42

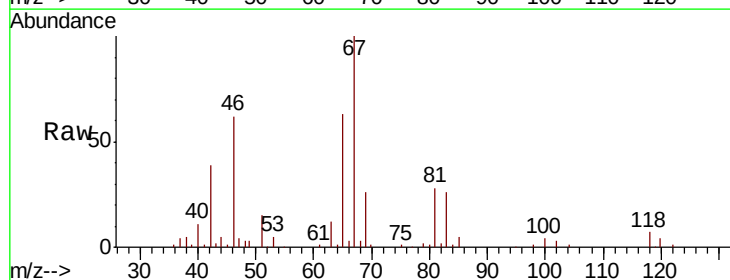
Tgt Ion: 83 Resp: 13031

Ion Ratio Lower Upper

83 100

55 0.2 66.2 99.2#

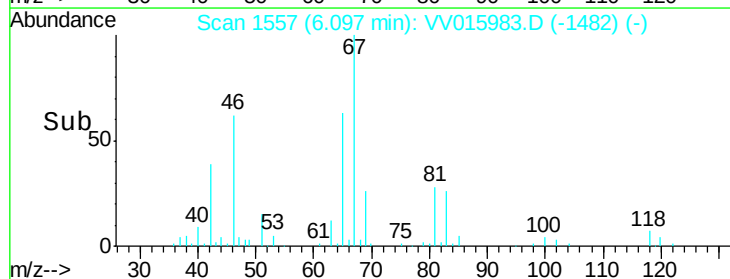
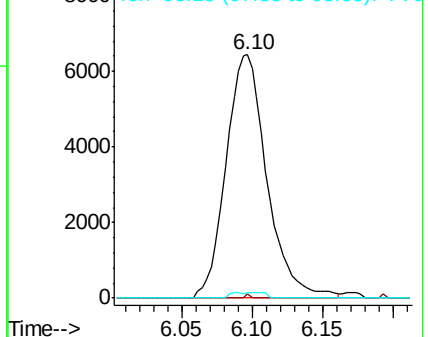
98 1.1 37.9 56.9#

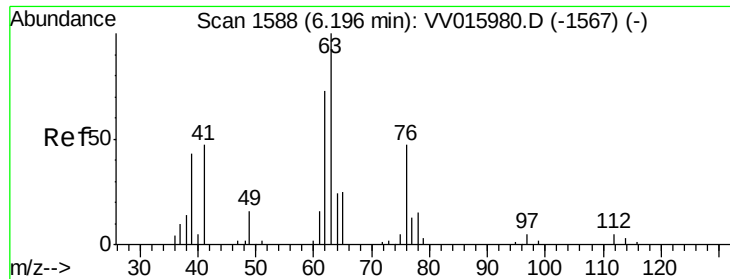


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

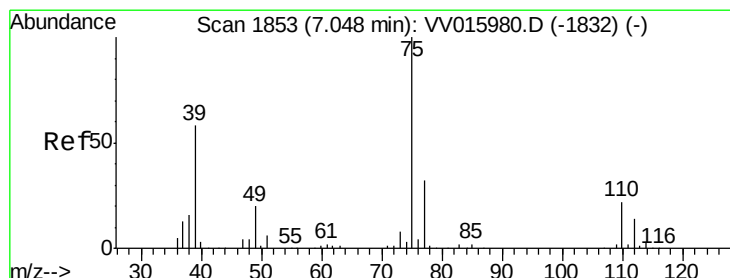
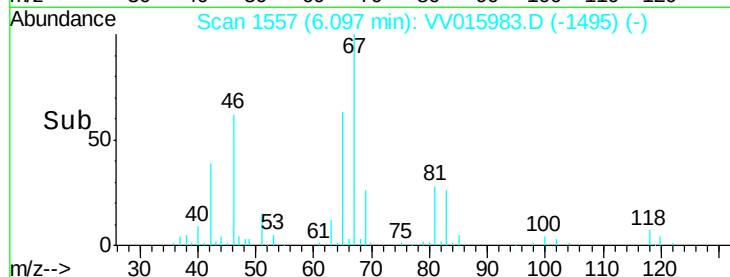
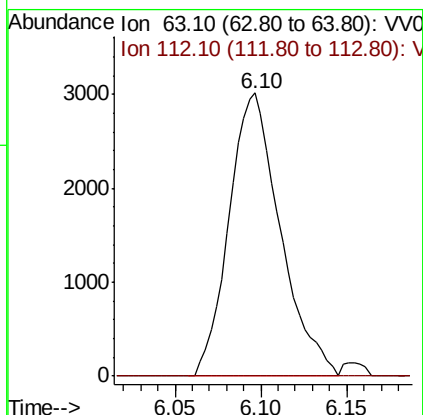
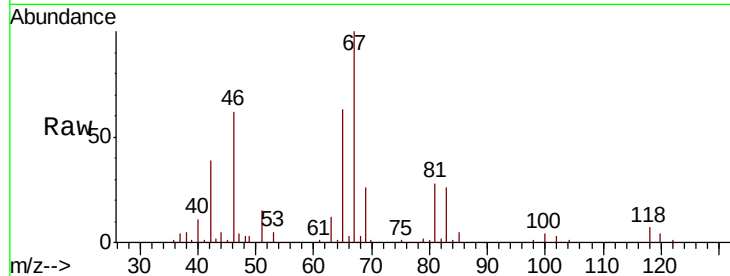




#37
 1,2-Dichloropropane
 Concen: 0.706 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015983.D
 Acq: 11 May 2020 12:42

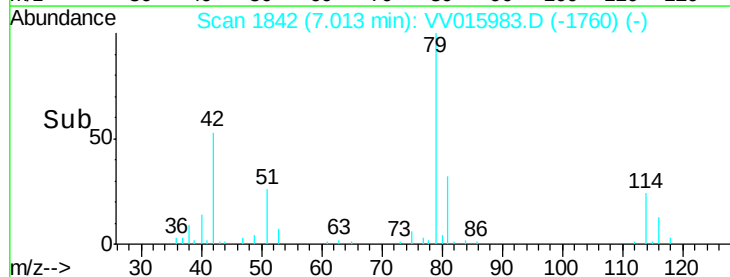
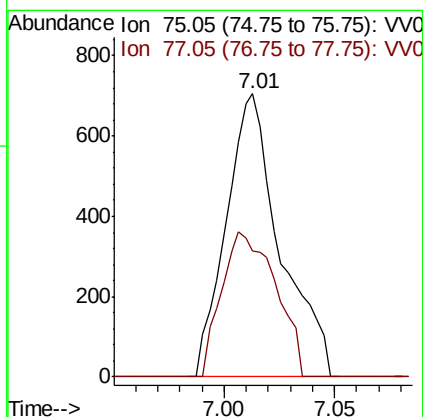
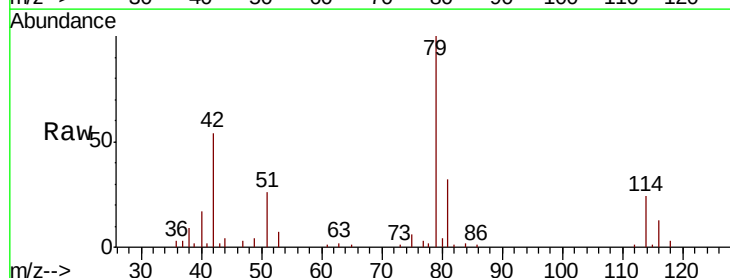
Instrument :
 MSVOA_V
 ClientSampleId :

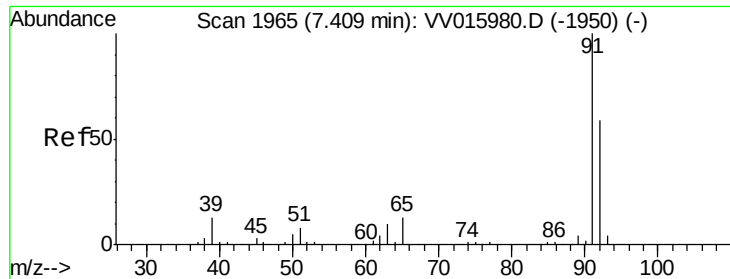
Tot Ion: 63 Resp: 6238
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015983.D
 Acq: 11 May 2020 12:42

Tgt Ion: 75 Resp: 1196
 Ion Ratio Lower Upper
 75 100
 77 44.4 21.3 39.5#





#42

Toluene

Concen: 5.999 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015983.D

Acq: 11 May 2020 12:42

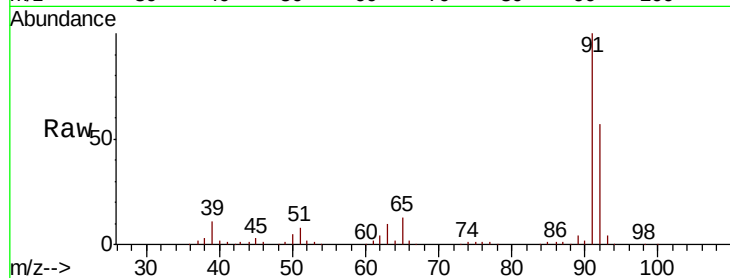
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 221276

Ion Ratio Lower Upper

91 100

92 57.0 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

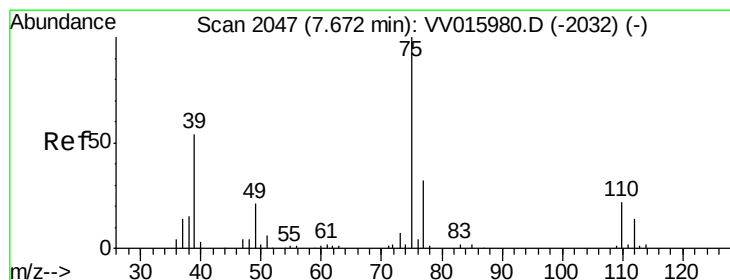
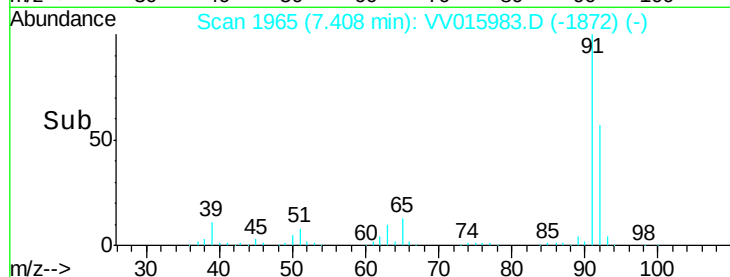
150000

100000

50000

0

Time-->



#46

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015983.D

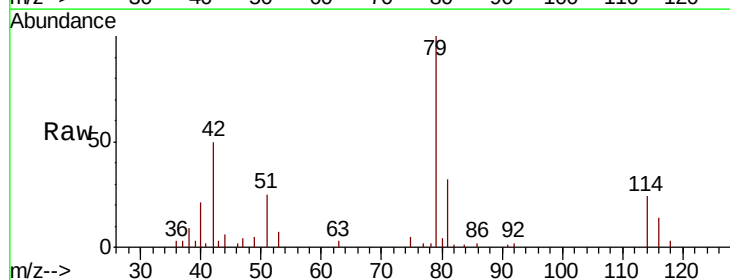
Acq: 11 May 2020 12:42

Tgt Ion: 75 Resp: 691

Ion Ratio Lower Upper

75 100

77 48.0 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

400

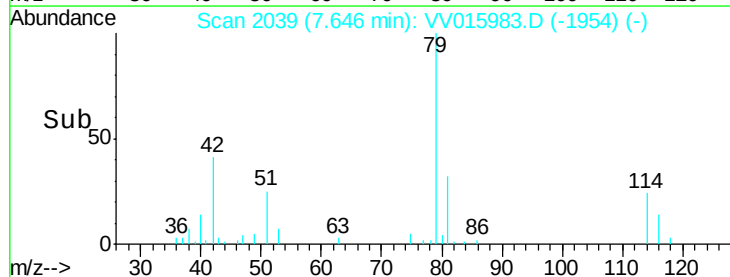
300

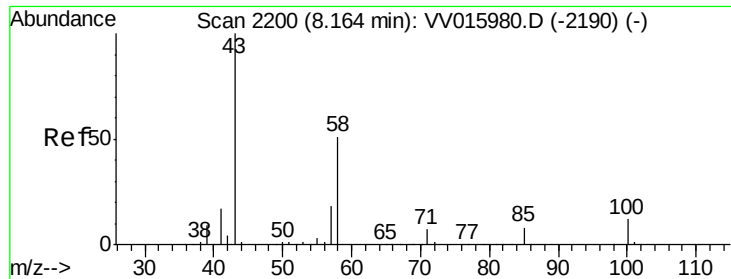
200

100

0

Time-->

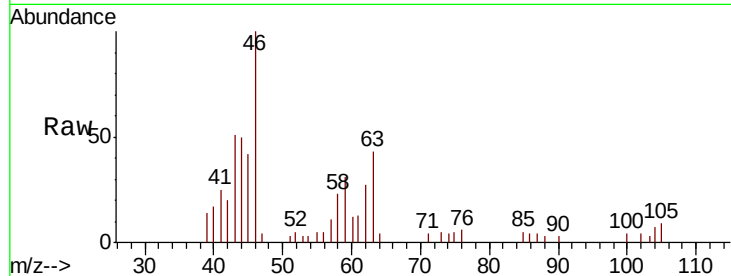




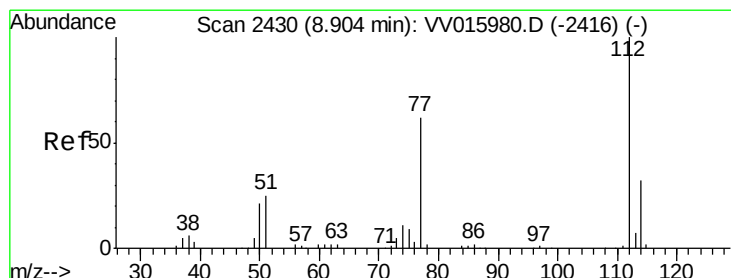
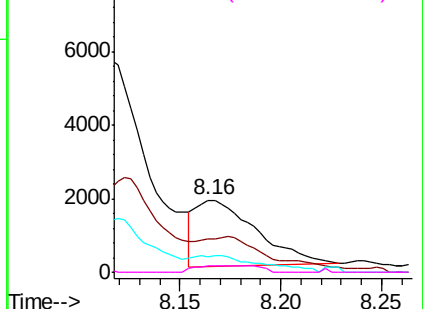
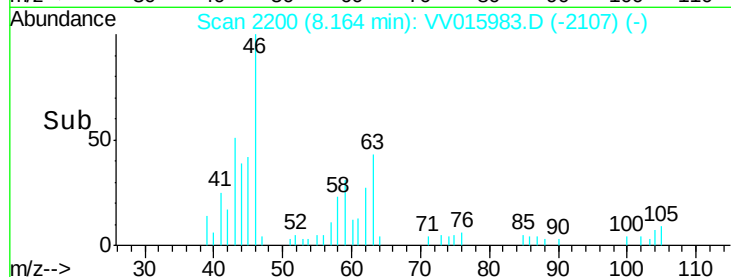
#50
2-Hexanone
Concen: 0.973 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015983.D
Acq: 11 May 2020 12:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 3790
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 26.8 14.7 22.1#
100 10.4 9.0 13.6

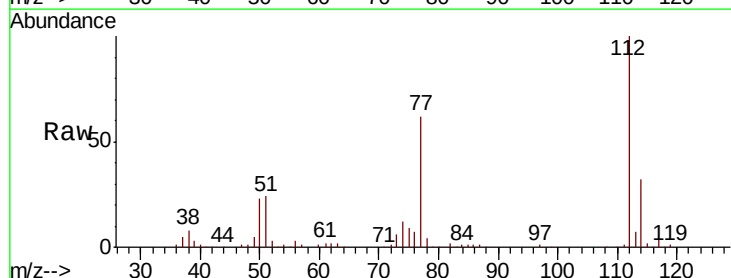


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0



#53
Chlorobenzene
Concen: 6.128 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015983.D
Acq: 11 May 2020 12:42

Tgt Ion: 112 Resp: 145370
Ion Ratio Lower Upper
112 100
114 31.9 21.6 40.0
77 61.6 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

