

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042220\
 Data File : VV015631.D
 Acq On : 22 Apr 2020 19:12
 Operator : SY/MD
 Sample : L2366-11DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 03:10:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 23 03:05:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	126305	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122251	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	59625	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	32403	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.57	69	31617	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.12	63	52128	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	3.94	46	115861	54.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.34%
24) Chloroform-d	4.38	84	77182	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.06	65	44685	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.07	84	147220	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.09	67	46942	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.34	98	134878	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	7.64	79	15978	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.11	63	86345	49.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.22%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	34176	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	51375	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

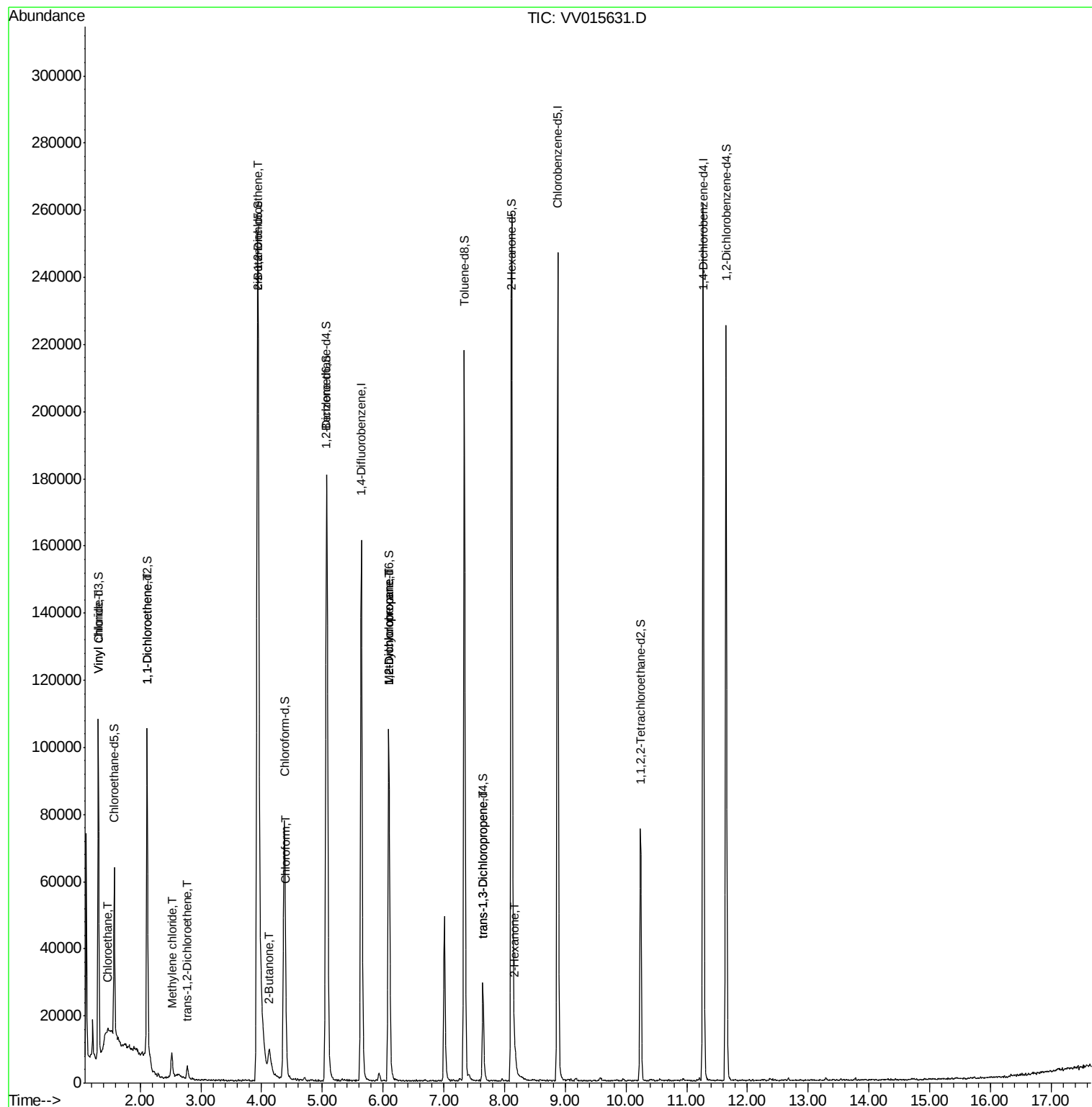
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	28194	2.821	ug/L	94
8) Chloroethane	1.48	64	20184	3.074	ug/L #	43
12) 1,1-Dichloroethene	2.12	96	759	0.103	ug/L #	1
16) Methylene chloride	2.52	84	2590	0.285	ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	1302	0.158	ug/L	97
21) 2-Butanone	4.13	43	14385	6.337	ug/L #	71
22) cis-1,2-Dichloroethene	3.94	96	115005	12.637	ug/L	96
25) Chloroform	4.40	83	1943	0.113	ug/L	95
35) Methylcyclohexane	6.10	83	11233	0.759	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6125	0.690	ug/L #	86
44) trans-1,3-Dichloropropene	7.65	75	841	0.081	ug/L	95
48) 2-Hexanone	8.17	43	3688	0.898	ug/L #	86

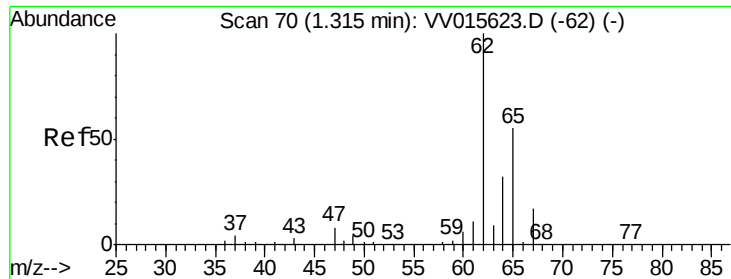
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 23 03:05:46 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.821 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015631.D

Acq: 22 Apr 2020 19:12

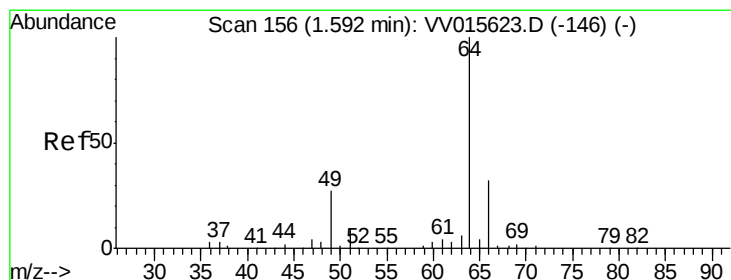
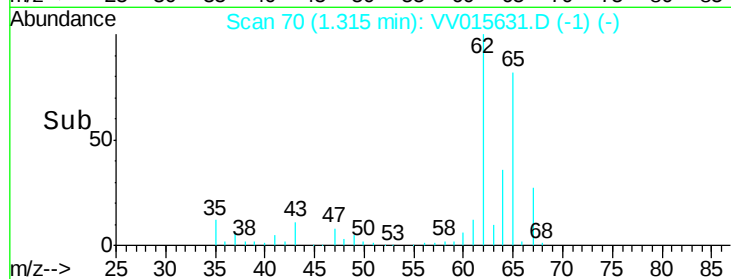
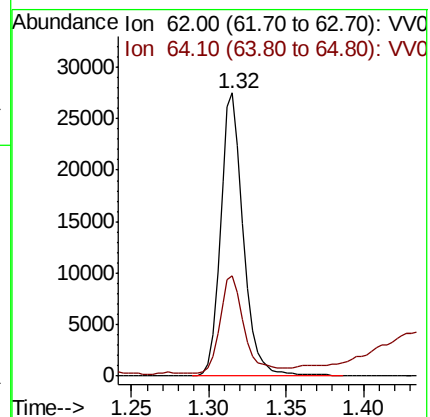
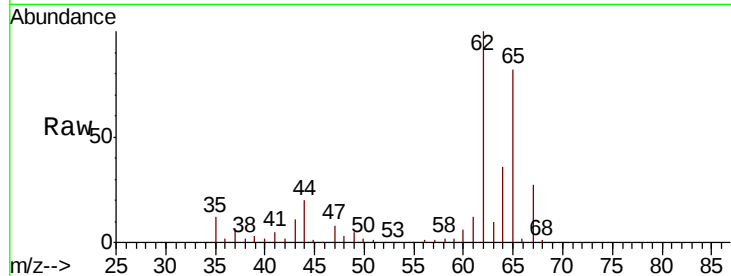
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 28194

Ion Ratio Lower Upper

62 100

64 35.7 22.7 42.1



#8

Chloroethane

Concen: 3.074 ug/L

RT: 1.48 min Scan# 120

Delta R.T. -0.12 min

Lab File: VV015631.D

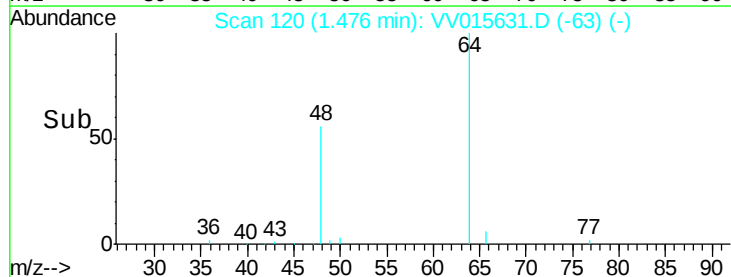
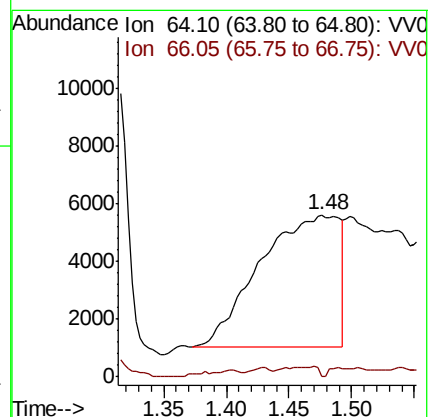
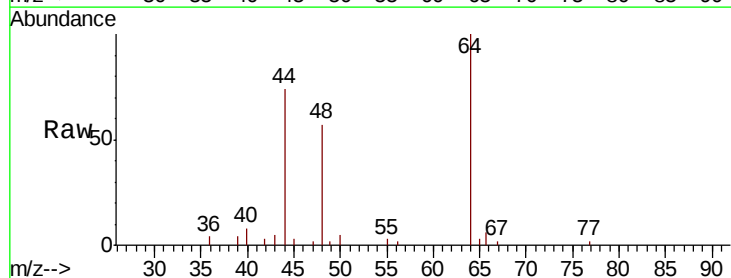
Acq: 22 Apr 2020 19:12

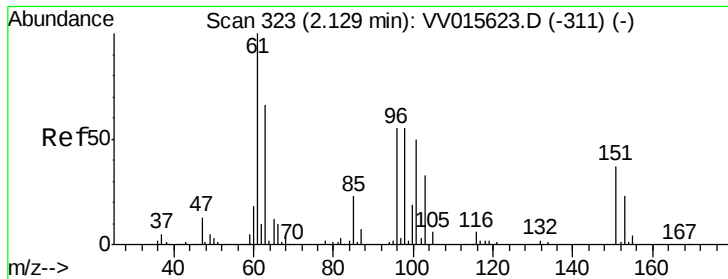
Tgt Ion: 64 Resp: 20184

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#12

1,1-Dichloroethene

Concen: 0.103 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015631.D

Acq: 22 Apr 2020 19:12

Instrument :

MSVOA_V

ClientSampleId :

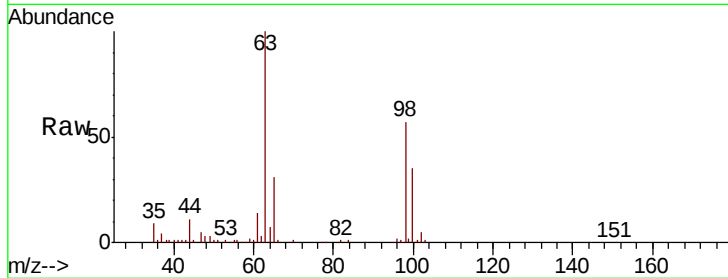
Tot Ion: 96 Resp: 759

Ion Ratio Lower Upper

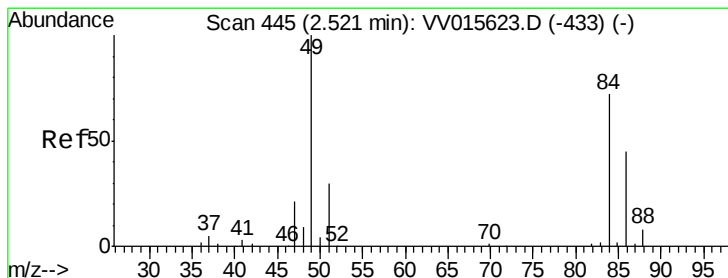
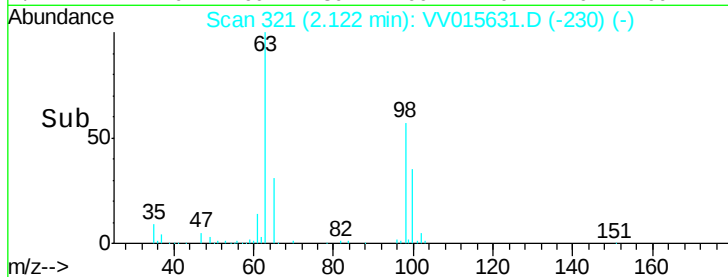
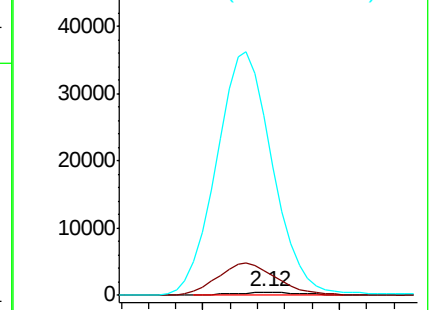
96 100

61 840.3 130.1 241.7#

63 5975.8 91.4 169.8#



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



#16

Methylene chloride

Concen: 0.285 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV015631.D

Acq: 22 Apr 2020 19:12

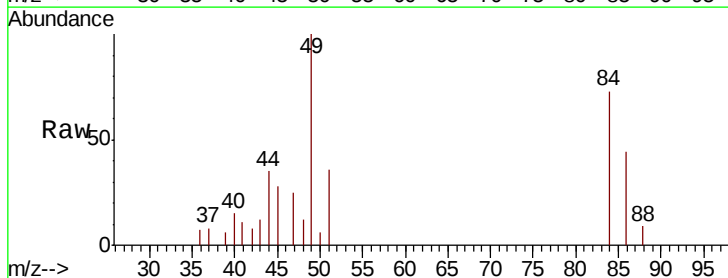
Tgt Ion: 84 Resp: 2590

Ion Ratio Lower Upper

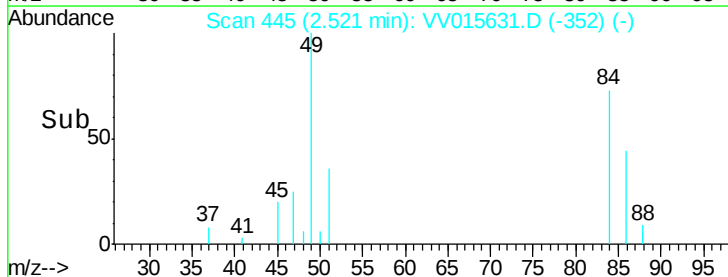
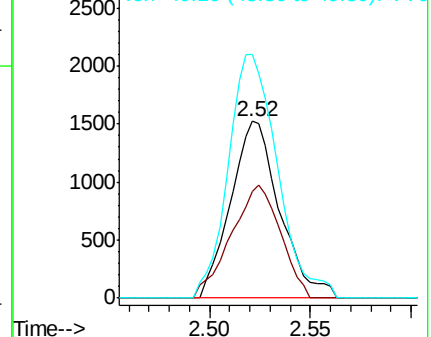
84 100

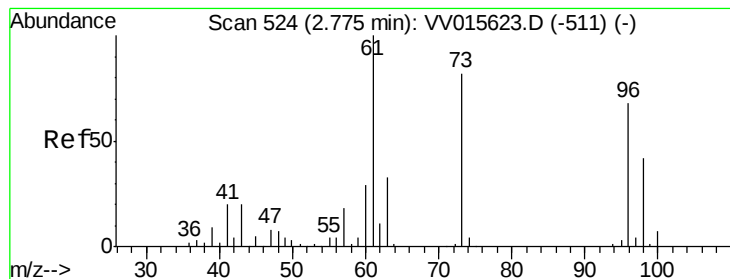
86 60.6 45.1 83.7

49 137.6 94.4 175.4



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.158 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV015631.D

Acq: 22 Apr 2020 19:12

Instrument :
MSVOA_V
ClientSampled :

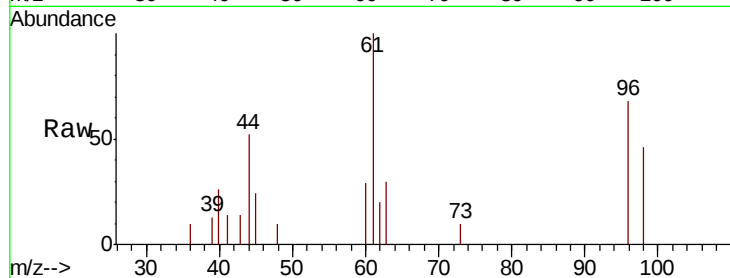
Tot Ion: 96 Resp: 1302

Ion Ratio Lower Upper

96 100

61 148.1 105.5 195.9

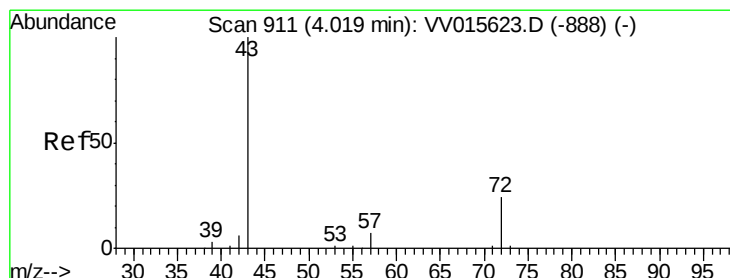
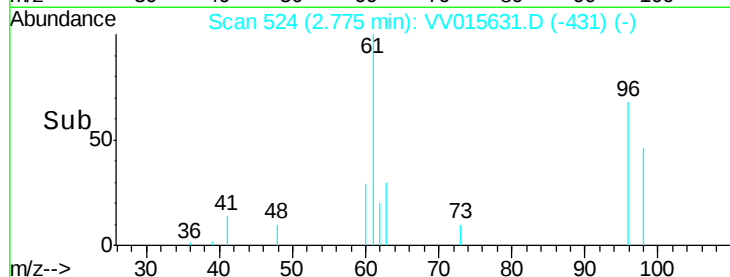
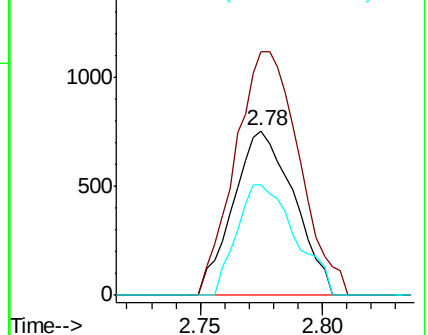
98 67.6 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV015631.D (-431) (-)

Ion 61.05 (60.75 to 61.75): VV015631.D (-431) (-)

Ion 97.95 (97.65 to 98.65): VV015631.D (-431) (-)



#21

2-Butanone

Concen: 6.337 ug/L

RT: 4.13 min Scan# 944

Delta R.T. 0.11 min

Lab File: VV015631.D

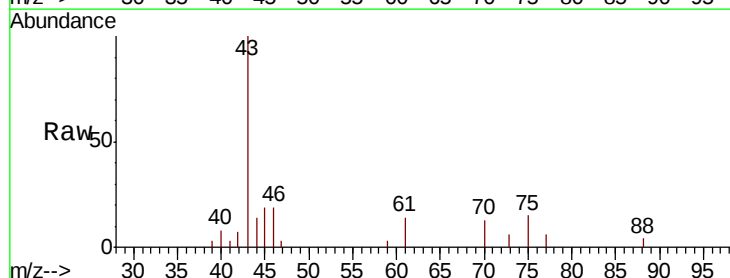
Acq: 22 Apr 2020 19:12

Tgt Ion: 43 Resp: 14385

Ion Ratio Lower Upper

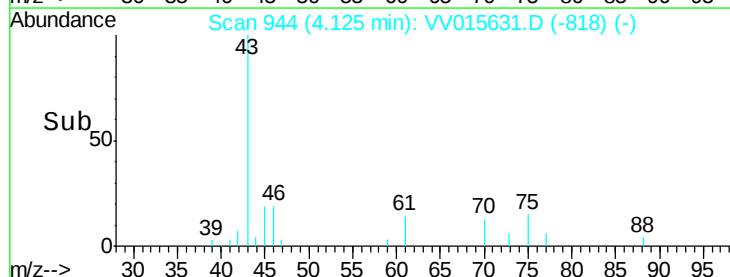
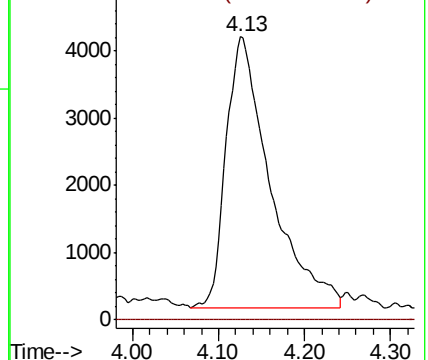
43 100

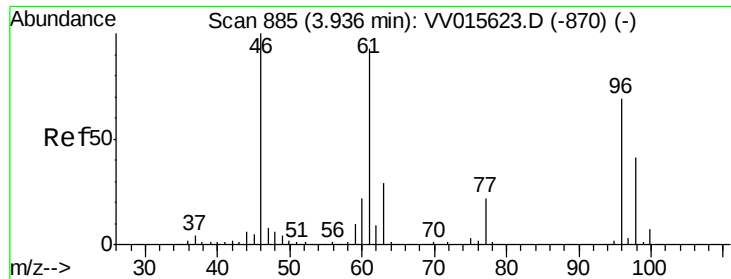
72 10.1 12.3 36.9#



Abundance Ion 43.00 (42.70 to 43.70): VV015631.D (-818) (-)

Ion 72.00 (71.70 to 72.70): VV015631.D (-818) (-)



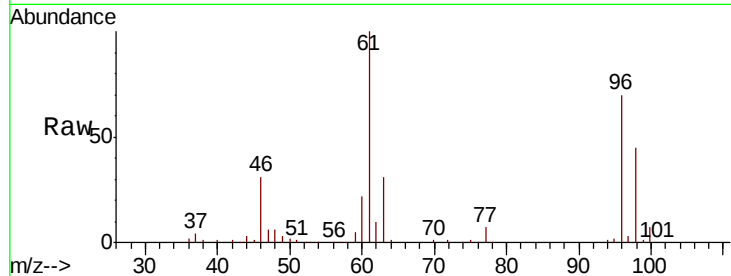


#22

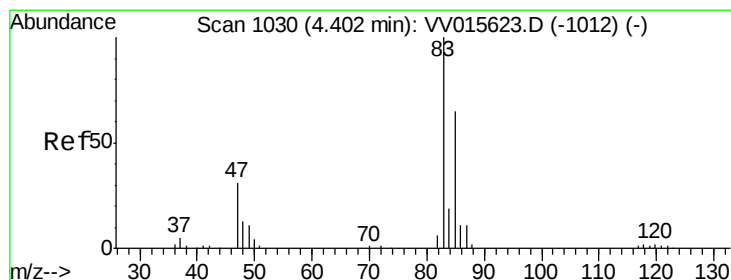
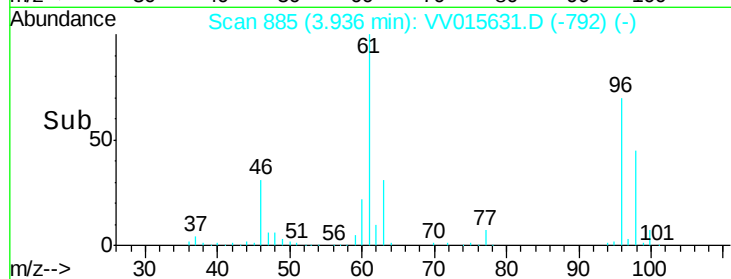
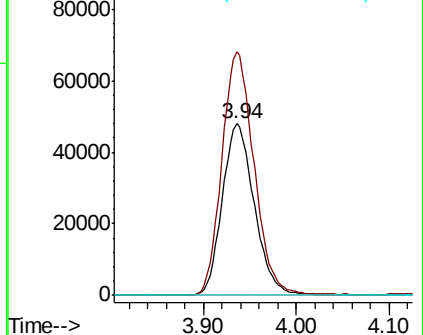
cis-1,2-Dichloroethene
 Concen: 12.637 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015631.D
 Acq: 22 Apr 2020 19:12

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 115005
 Ion Ratio Lower Upper
 96 100
 61 142.0 96.4 179.0
 68 0.0 0.0 0.0



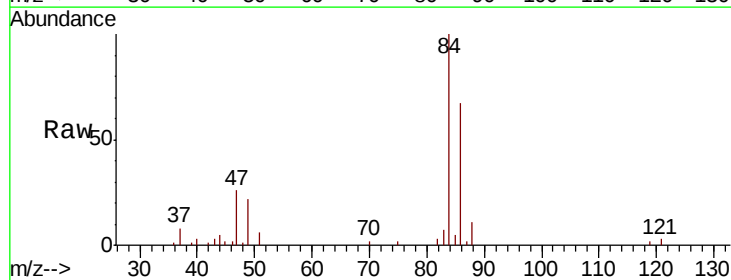
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



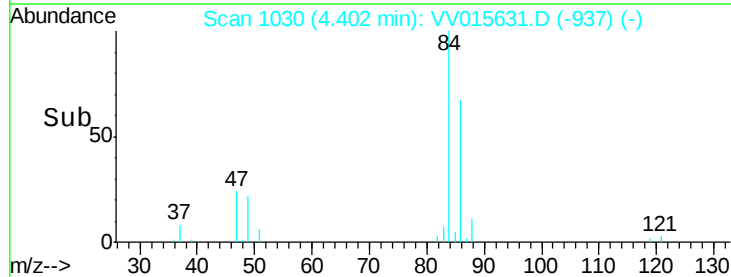
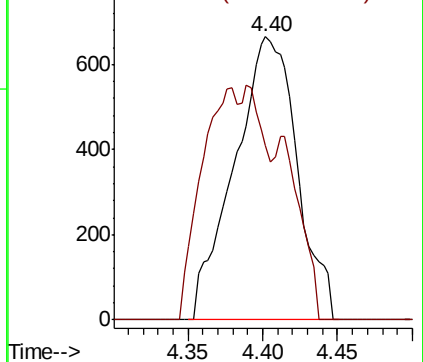
#25

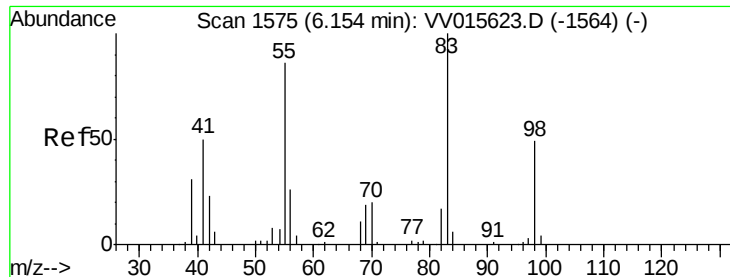
Chloroform
 Concen: 0.113 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV015631.D
 Acq: 22 Apr 2020 19:12

Tgt Ion: 83 Resp: 1943
 Ion Ratio Lower Upper
 83 100
 85 61.5 46.1 85.5



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

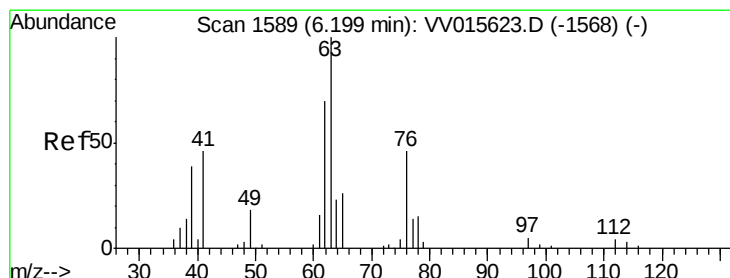
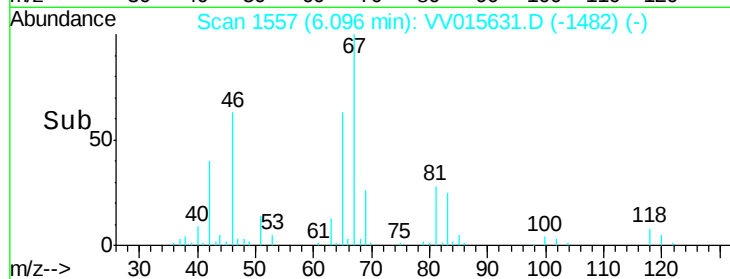
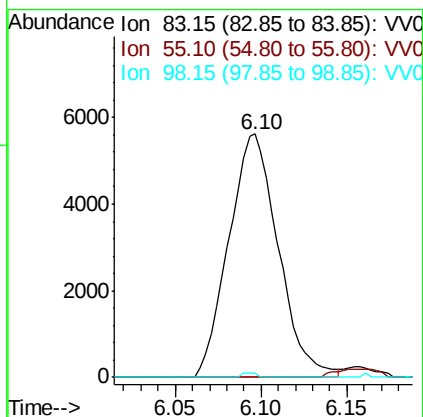
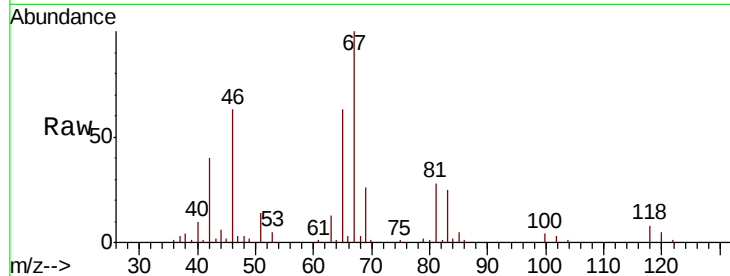




#35
Methvlcvclohexane
Concen: 0.759 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015631.D
Acq: 22 Apr 2020 19:12

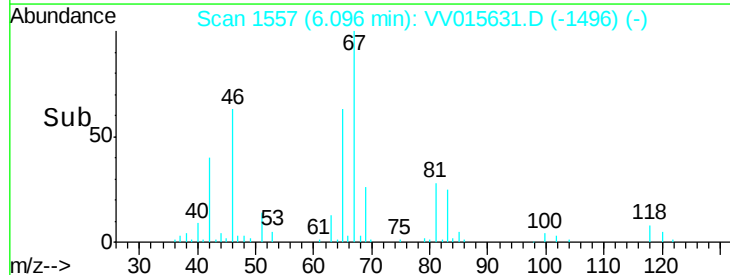
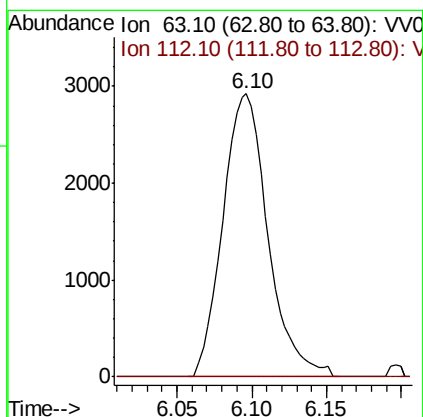
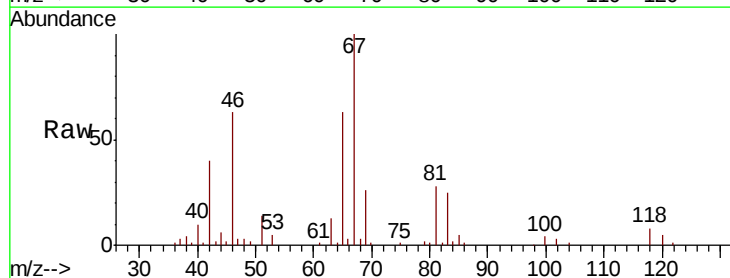
Instrument :
MSVOA_V
ClientSampleId :

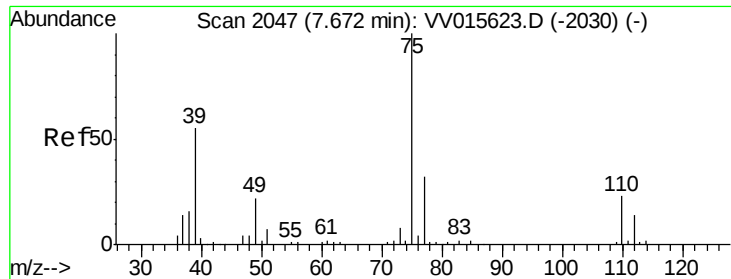
Tot Ion: 83 Resp: 11233
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.6 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.690 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV015631.D
Acq: 22 Apr 2020 19:12

Tgt Ion: 63 Resp: 6125
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015631.D

Acq: 22 Apr 2020 19:12

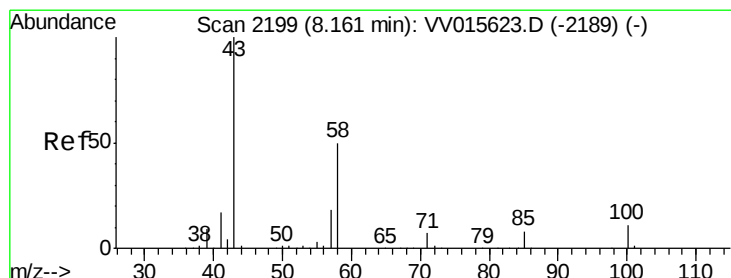
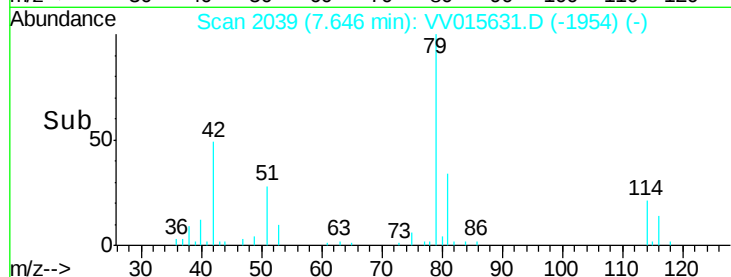
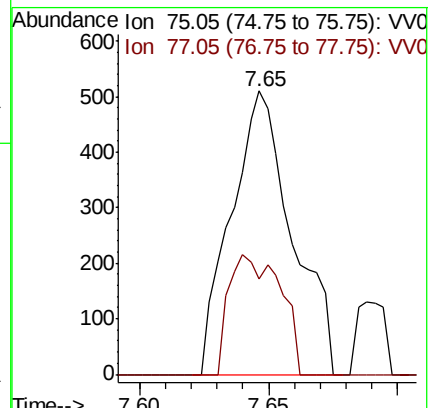
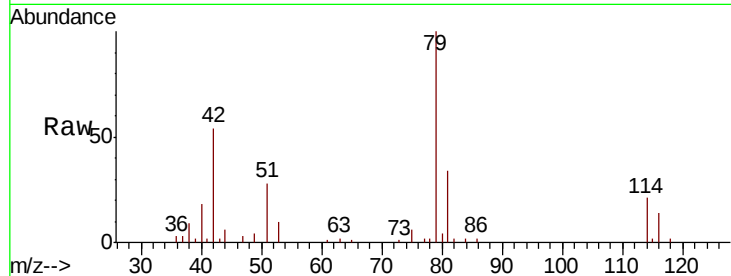
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 841

Ion Ratio Lower Upper

75 100

77 33.7 21.8 40.6



#48

2-Hexanone

Concen: 0.898 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV015631.D

Acq: 22 Apr 2020 19:12

Tgt Ion: 43 Resp: 3688

Ion Ratio Lower Upper

43 100

58 40.3 41.1 61.7#

57 13.2 15.0 22.4#

100 8.7 9.0 13.4#

