

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015750.D
 Acq On : 28 Apr 2020 16:28
 Operator : SY/MD
 Sample : L2421-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 00:44:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 00:40:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	119339	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	116320	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	52284	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23318	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.57	69	26031	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.12	63	40828	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	3.96	46	109310	54.59	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	4.38	84	70866	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	44070	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.07	84	129963	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.09	67	44264	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.34	98	112074	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.64	79	13208	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
46) 2-Hexanone-d5	8.12	63	77856	46.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.08%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32605	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	45000	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

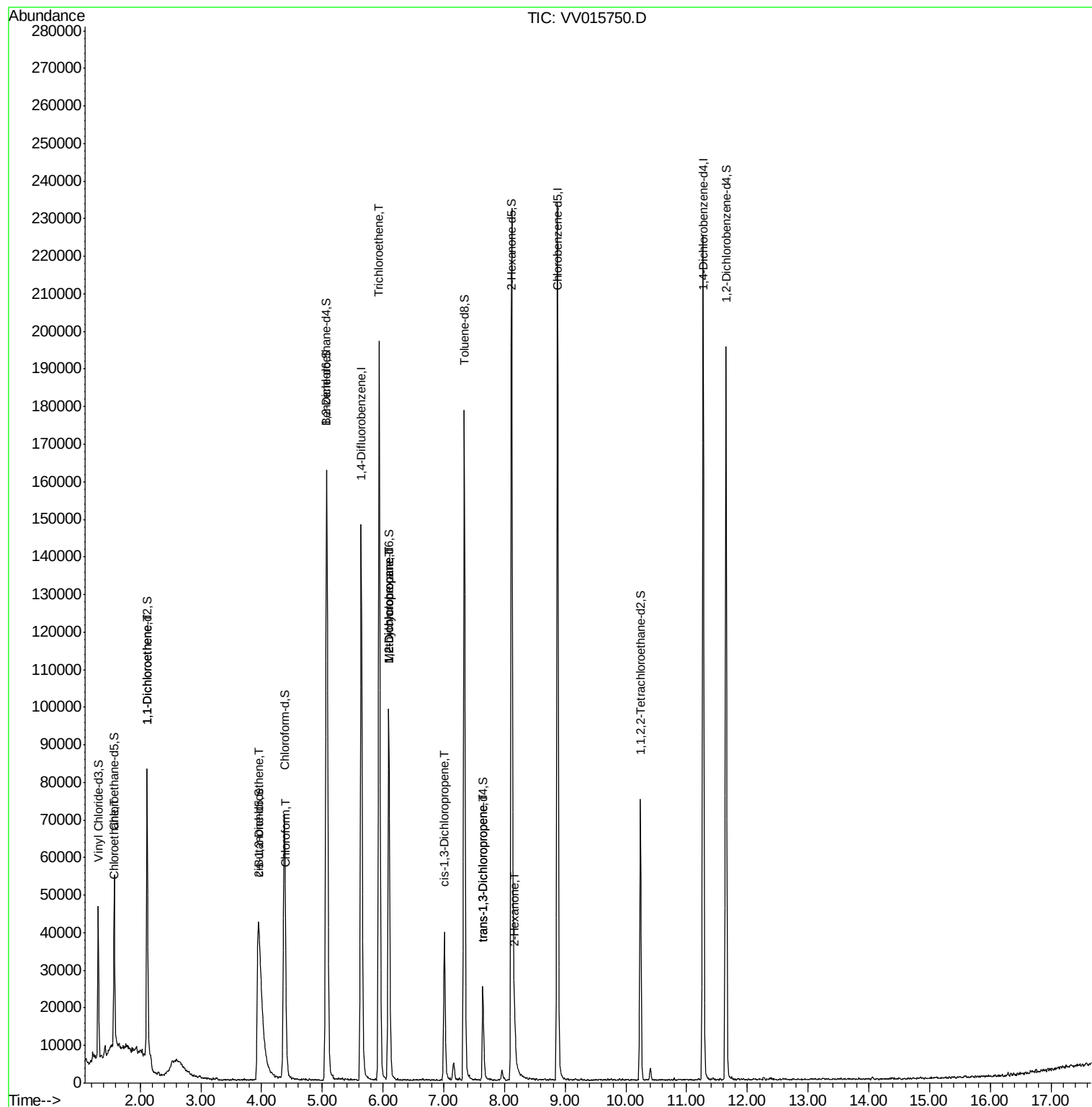
					Ovalue
8) Chloroethane	1.59	64	620	0.100 ug/L #	55
12) 1,1-Dichloroethene	2.12	96	501	0.072 ug/L #	1
22) cis-1,2-Dichloroethene	3.94	96	5812	0.676 ug/L	99
25) Chloroform	4.40	83	3092	0.191 ug/L	85
34) Trichloroethene	5.94	95	67385	7.342 ug/L	98
35) Methylcyclohexane	6.09	83	10508	0.746 ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5471	0.648 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1110	0.094 ug/L #	75
44) trans-1,3-Dichloropropene	7.65	75	772	0.078 ug/L	94
48) 2-Hexanone	8.17	43	7058	1.805 ug/L #	74

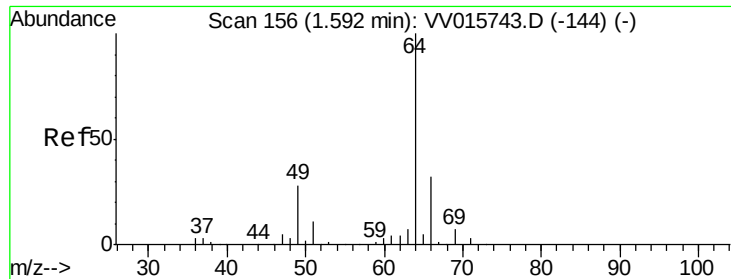
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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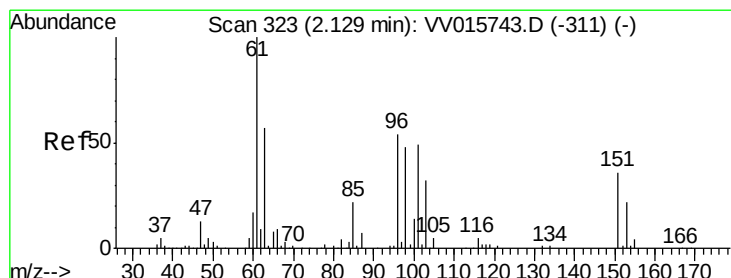
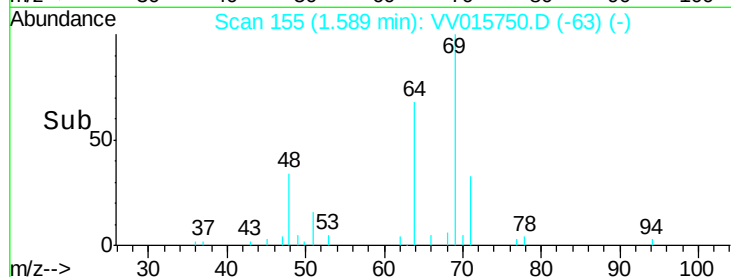
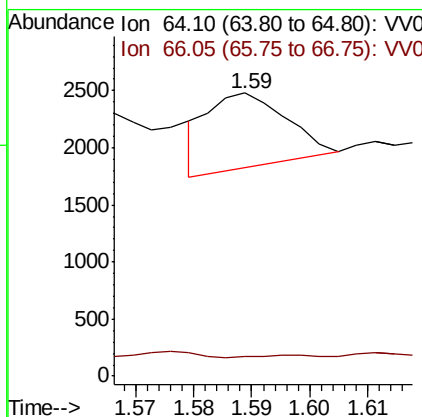
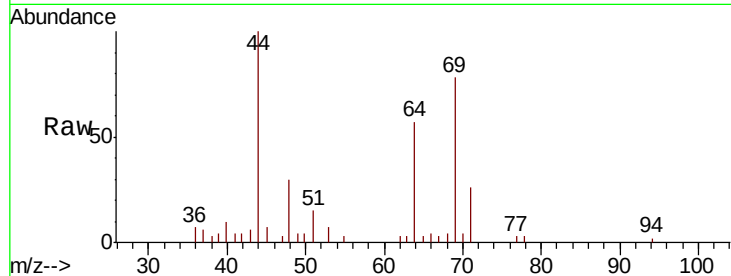




#8
 Chloroethane
 Concen: 0.100 ug/L
 RT: 1.59 min Scan# 155
 Delta R.T. -0.00 min
 Lab File: VV015750.D
 Acq: 28 Apr 2020 16:28

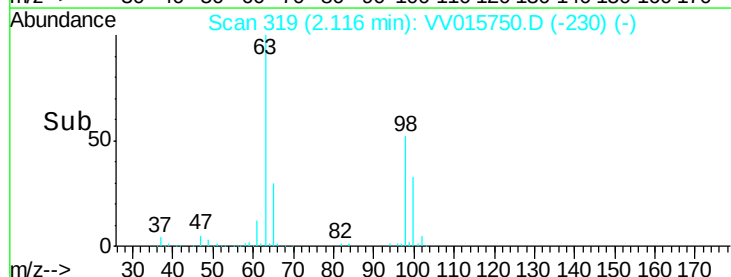
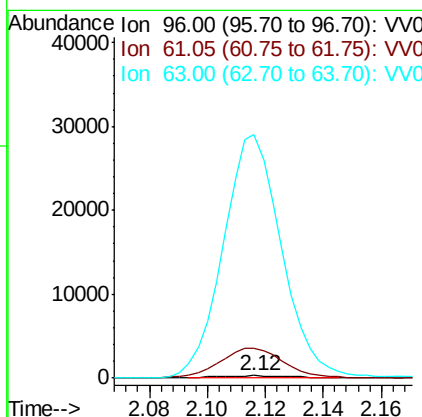
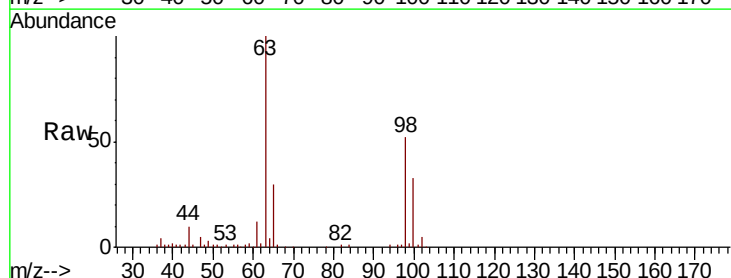
Instrument :
 MSVOA_V
 ClientSampled :

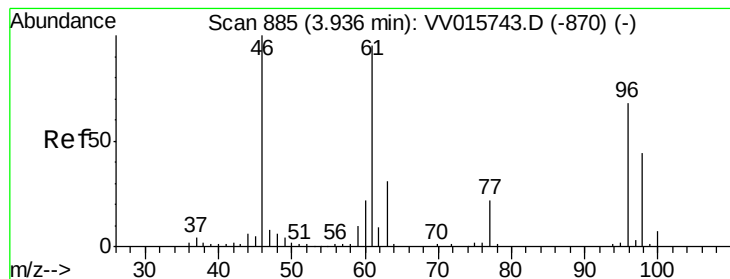
Tot Ion: 64 Resp: 620
 Ion Ratio Lower Upper
 64 100
 66 6.8 22.3 41.5#



#12
 1,1-Dichloroethene
 Concen: 0.072 ug/L
 RT: 2.12 min Scan# 319
 Delta R.T. -0.01 min
 Lab File: VV015750.D
 Acq: 28 Apr 2020 16:28

Tgt Ion: 96 Resp: 501
 Ion Ratio Lower Upper
 96 100
 61 1272.6 130.1 241.7#
 63 10183.9 91.4 169.8#





#22

cis-1,2-Dichloroethene

Concen: 0.676 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV015750.D

Acq: 28 Apr 2020 16:28

Instrument :

MSVOA_V

ClientSampleId :

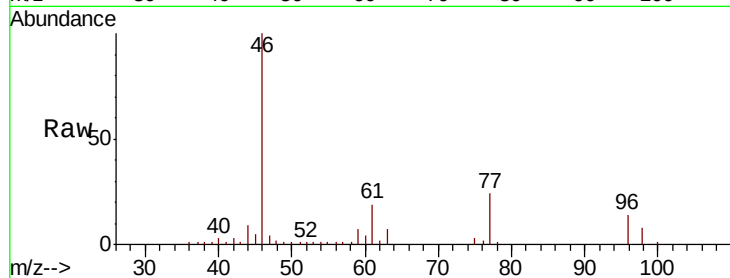
Tot Ion: 96 Resp: 5812

Ion Ratio Lower Upper

96 100

61 136.6 96.4 179.0

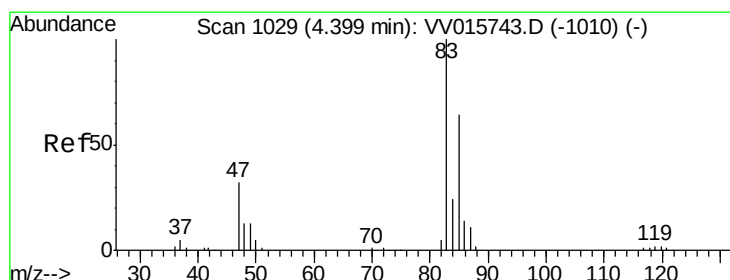
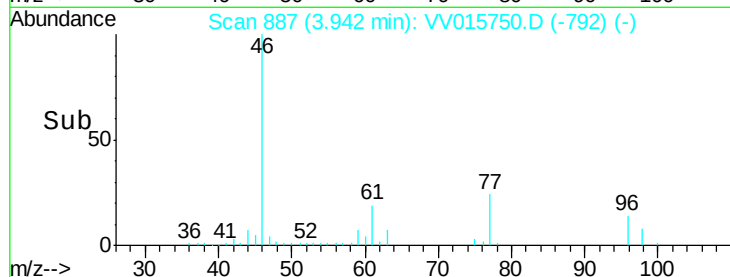
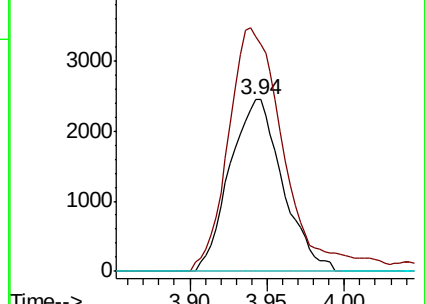
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015743.D (-870) (-)

Ion 61.05 (60.75 to 61.75): VV015743.D (-870) (-)

Ion 68.15 (67.85 to 68.85): VV015743.D (-870) (-)



#25

Chloroform

Concen: 0.191 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015750.D

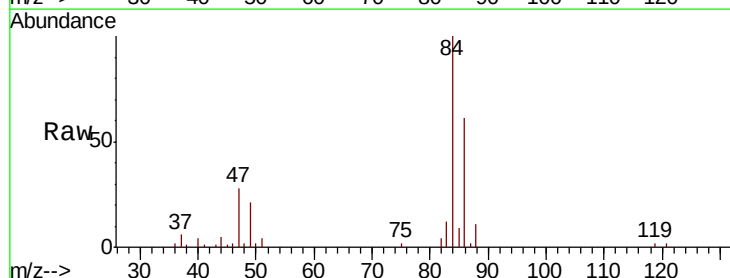
Acq: 28 Apr 2020 16:28

Tgt Ion: 83 Resp: 3092

Ion Ratio Lower Upper

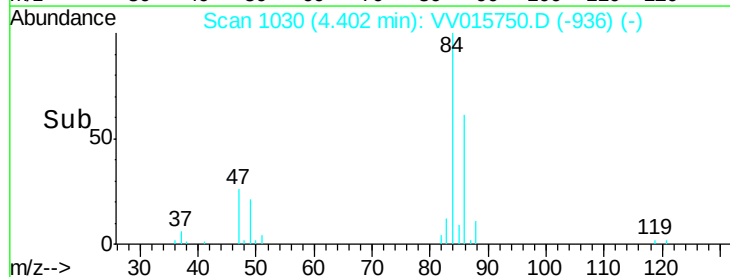
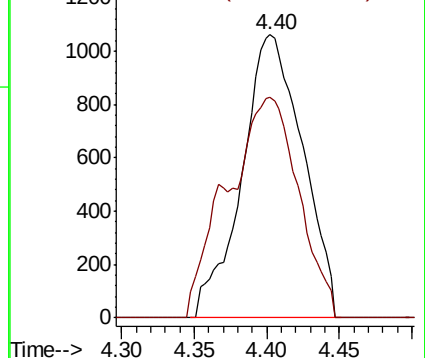
83 100

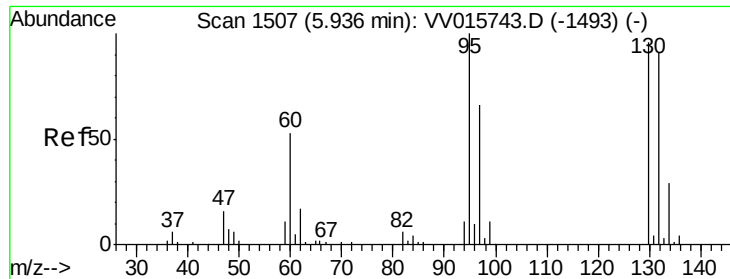
85 78.0 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV015743.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV015743.D (-1010) (-)

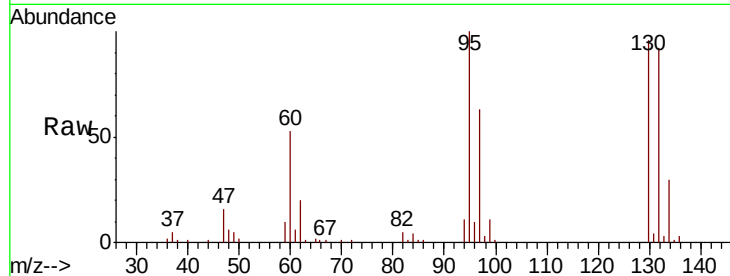




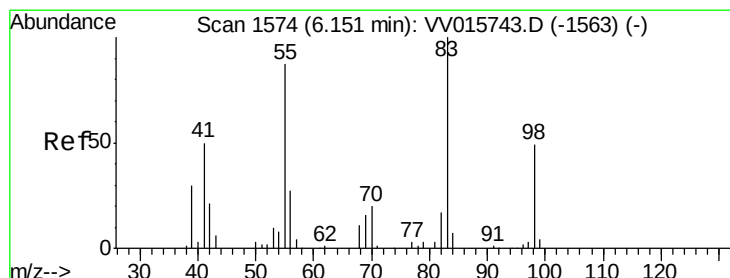
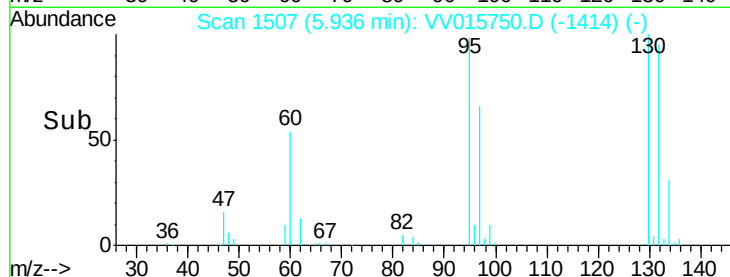
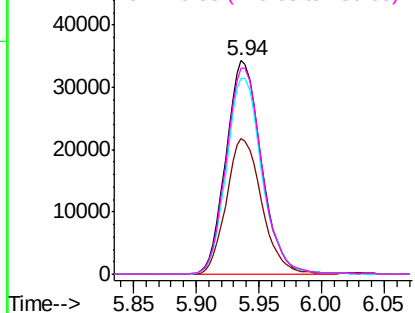
#34
 Trichloroethene
 Concen: 7.342 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015750.D
 Acq: 28 Apr 2020 16:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 67385
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.7 82.9
 132 92.0 65.2 121.0
 130 96.3 65.0 120.6

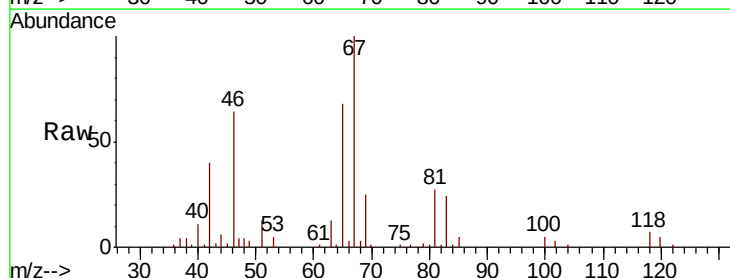


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

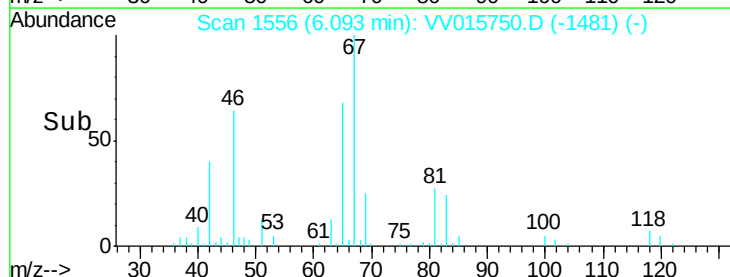
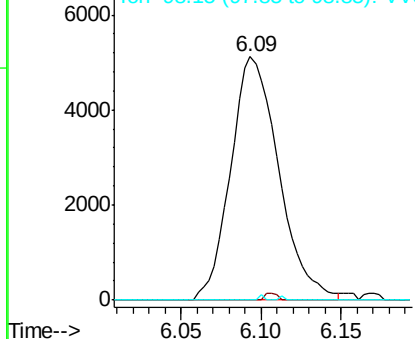


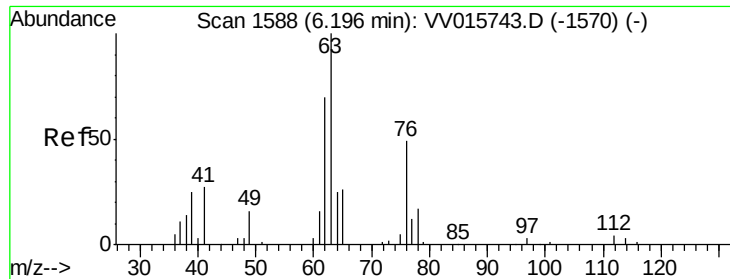
#35
 Methylcyclohexane
 Concen: 0.746 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV015750.D
 Acq: 28 Apr 2020 16:28

Tgt Ion: 83 Resp: 10508
 Ion Ratio Lower Upper
 83 100
 55 0.7 66.6 99.8#
 98 0.0 39.5 59.3#



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

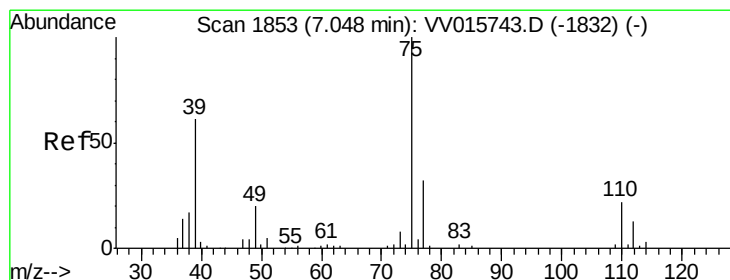
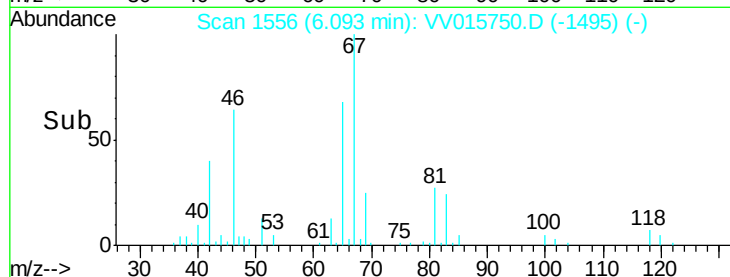
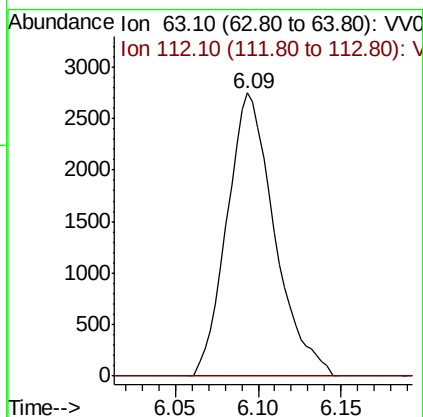
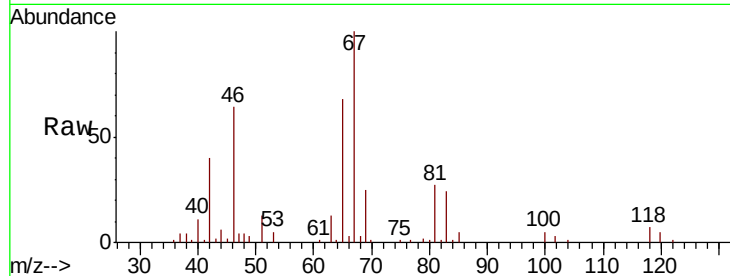




#37
 1,2-Dichloropropane
 Concen: 0.648 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015750.D
 Acq: 28 Apr 2020 16:28

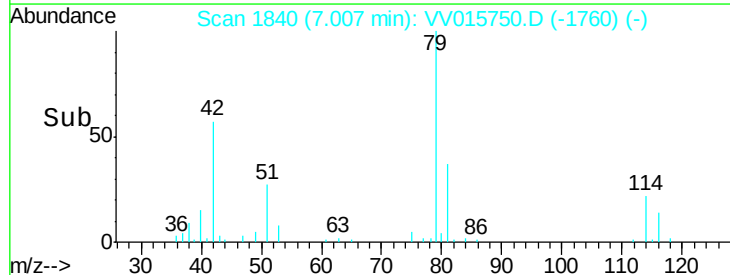
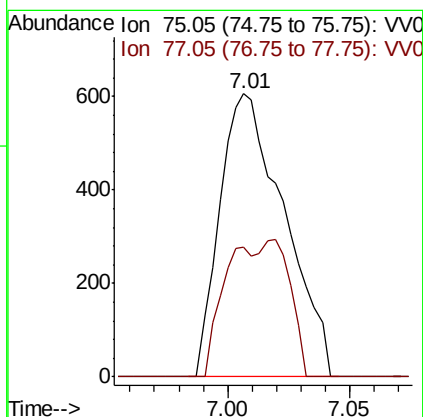
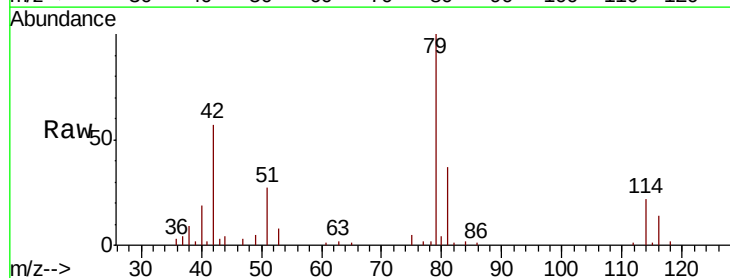
Instrument :
 MSVOA_V
 ClientSampleId :

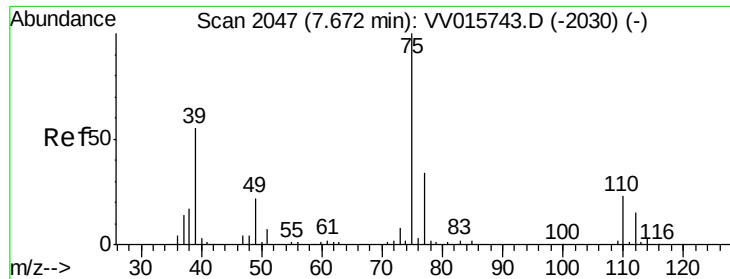
Tot Ion: 63 Resp: 5471
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015750.D
 Acq: 28 Apr 2020 16:28

Tgt Ion: 75 Resp: 1110
 Ion Ratio Lower Upper
 75 100
 77 45.7 22.3 41.5#





#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015750.D

Acq: 28 Apr 2020 16:28

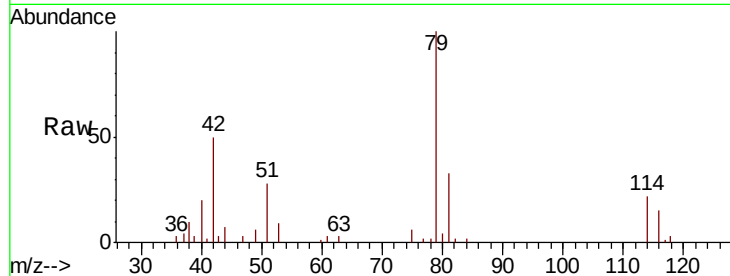
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 772

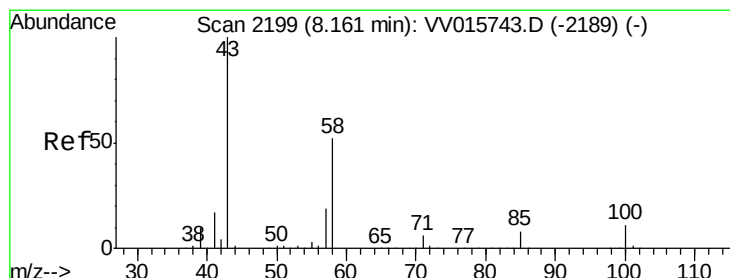
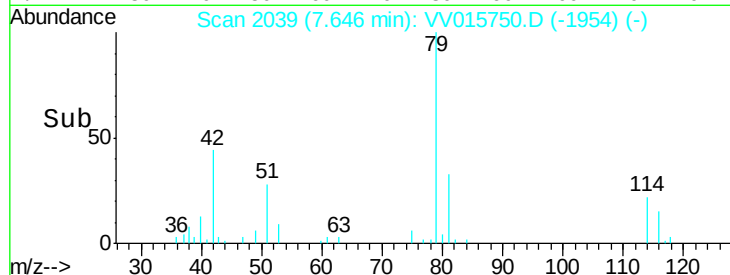
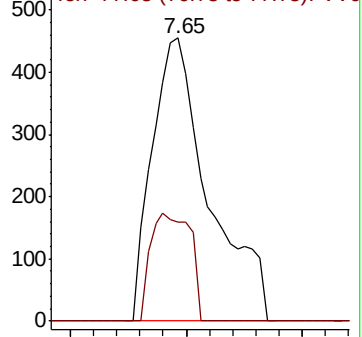
Ion Ratio Lower Upper

75 100

77 34.7 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV015743.D (-2030) (-)



#48

2-Hexanone

Concen: 1.805 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV015750.D

Acq: 28 Apr 2020 16:28

Tgt Ion: 43 Resp: 7058

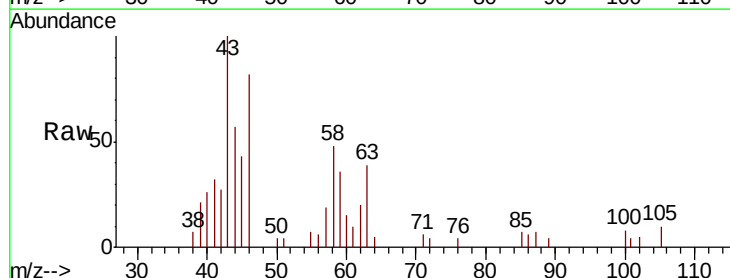
Ion Ratio Lower Upper

43 100

58 34.2 41.1 61.7#

57 1.7 15.0 22.4#

100 6.7 9.0 13.4#



Abundance Ion 43.05 (42.75 to 43.75): VV015743.D (-2189) (-)

