

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015756.D
 Acq On : 28 Apr 2020 19:13
 Operator : SY/MD
 Sample : L2421-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 00:45:53 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	124308	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122567	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57001	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24278	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.58	69	26955	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.12	63	42097	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	3.92	46	113015	54.18	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.36%
24) Chloroform-d	4.38	84	72070	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.06	65	44348	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.08	84	136172	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.09	67	44867	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.34	98	121291	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.65	79	13636	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	8.11	63	77676	44.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.12%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32975	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	48736	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

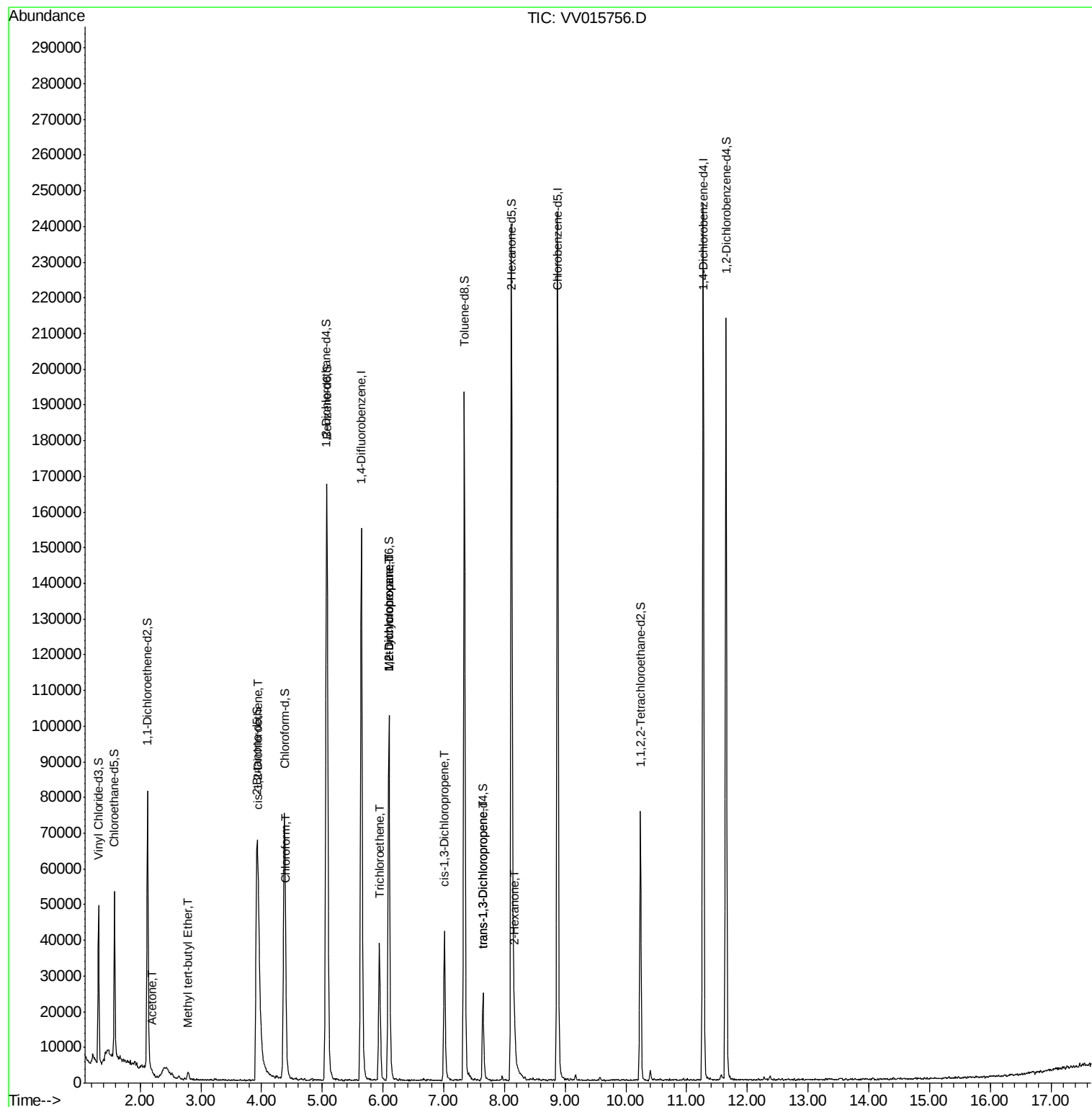
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.20	43	1765	1.219	ug/L	84
17) Methyl tert-butyl Ether	2.78	73	1641	0.081	ug/L #	86
22) cis-1,2-Dichloroethene	3.95	96	4527	0.505	ug/L	85
25) Chloroform	4.41	83	3082	0.183	ug/L	98
34) Trichloroethene	5.94	95	12707	1.314	ug/L	94
35) Methylcyclohexane	6.10	83	11349	0.765	ug/L #	15
37) 1,2-Dichloropropane	6.09	63	5679	0.638	ug/L #	86
39) cis-1,3-Dichloropropene	7.02	75	1202	0.097	ug/L #	66
44) trans-1,3-Dichloropropene	7.64	75	695	0.067	ug/L #	75
48) 2-Hexanone	8.16	43	4730	1.148	ug/L #	77

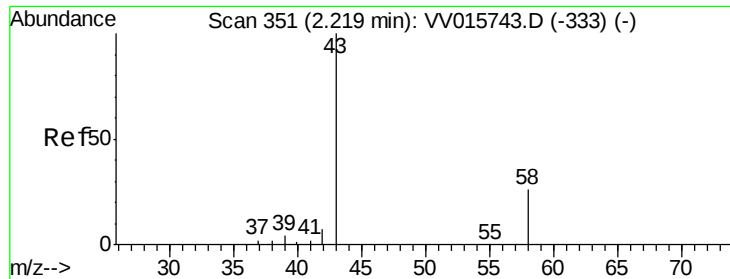
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.219 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

Lab File: VV015756.D

Acq: 28 Apr 2020 19:13

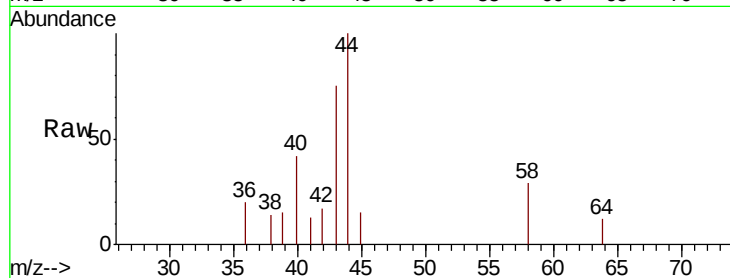
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1765

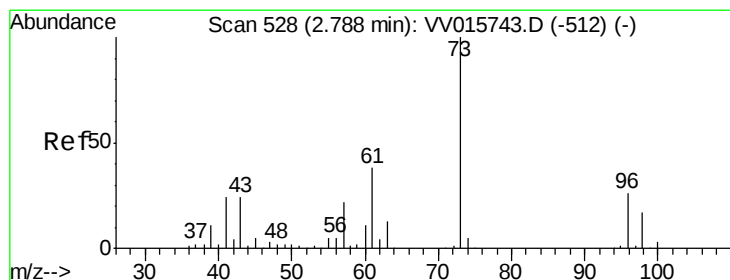
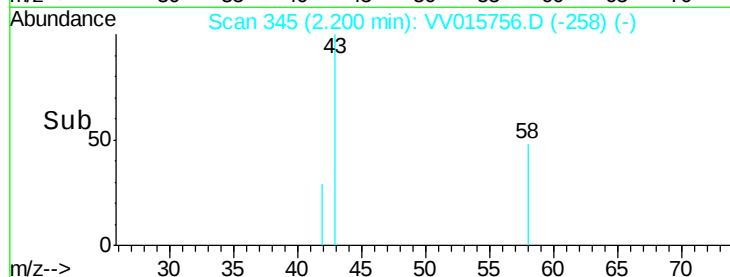
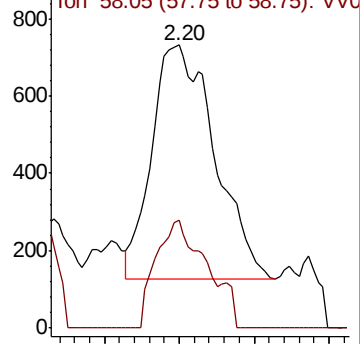
Ion Ratio Lower Upper

43 100

58 37.5 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015743.D (-333) (-)



#17

Methyl tert-butyl Ether

Concen: 0.081 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV015756.D

Acq: 28 Apr 2020 19:13

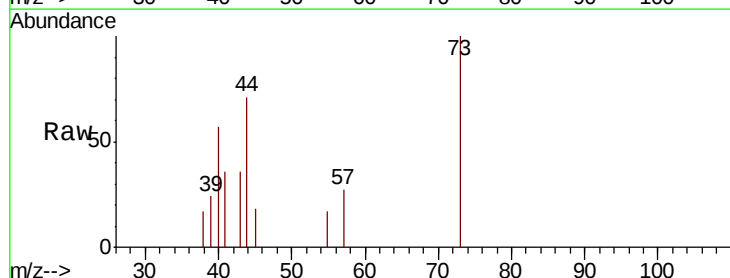
Tgt Ion: 73 Resp: 1641

Ion Ratio Lower Upper

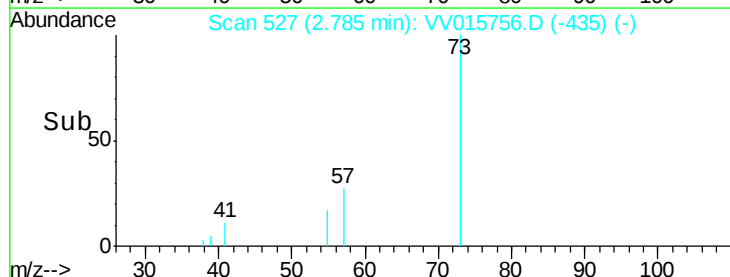
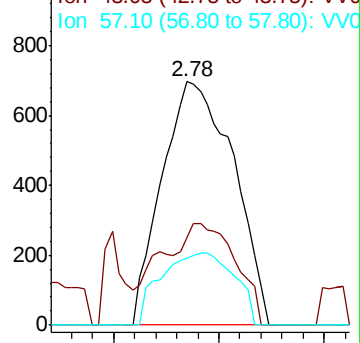
73 100

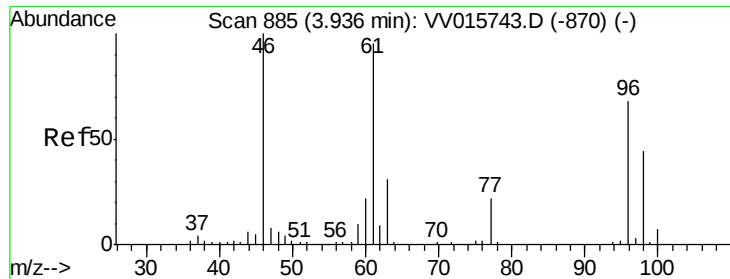
43 31.2 20.1 30.1#

57 30.3 17.8 26.8#



Abundance Ion 73.10 (72.80 to 73.80): VV015743.D (-512) (-)

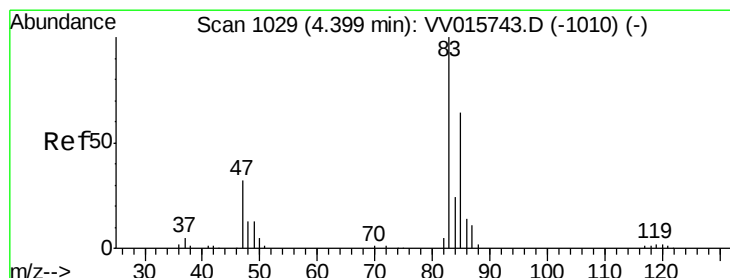
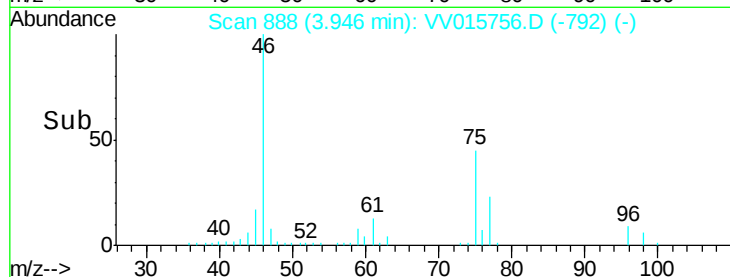
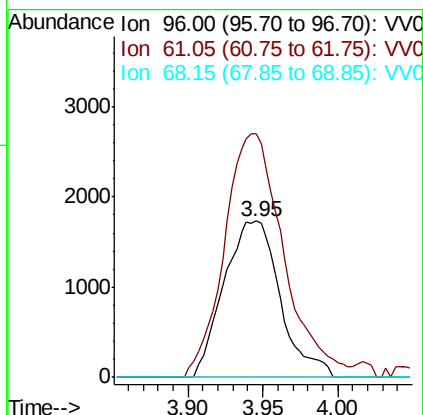
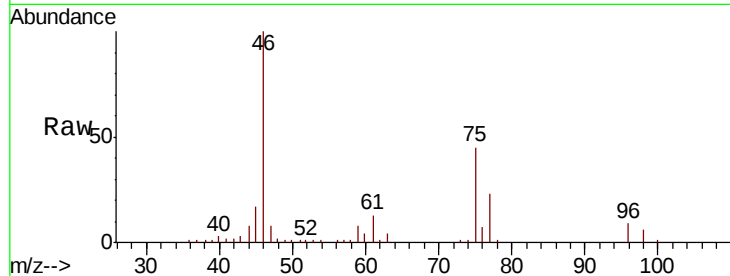




#22
 cis-1,2-Dichloroethene
 Concen: 0.505 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV015756.D
 Acq: 28 Apr 2020 19:13

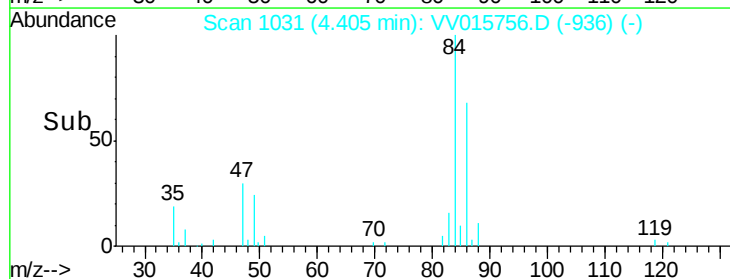
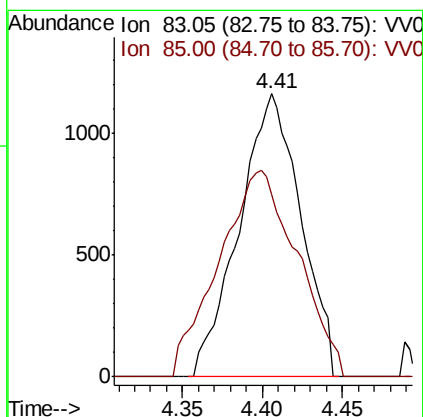
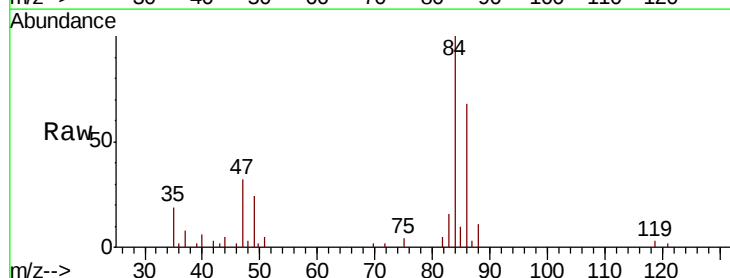
Instrument :
 MSVOA_V
 ClientSampled :

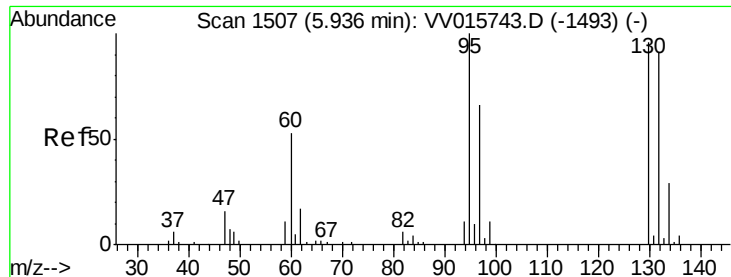
Tot Ion: 96 Resp: 4527
 Ion Ratio Lower Upper
 96 100
 61 155.7 96.4 179.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.183 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VV015756.D
 Acq: 28 Apr 2020 19:13

Tgt Ion: 83 Resp: 3082
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.1 85.5





#34

Trichloroethene

Concen: 1.314 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015756.D

Acq: 28 Apr 2020 19:13

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 12707

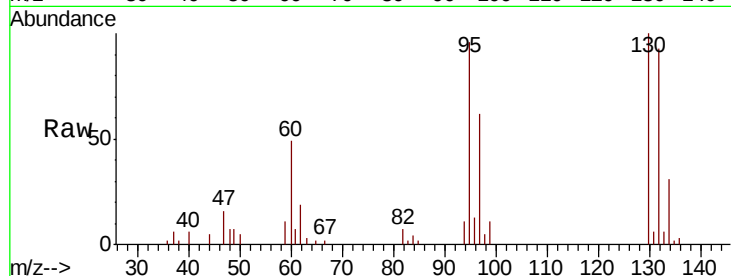
Ion Ratio Lower Upper

95 100

97 64.5 44.7 82.9

132 96.7 65.2 121.0

130 104.4 65.0 120.6

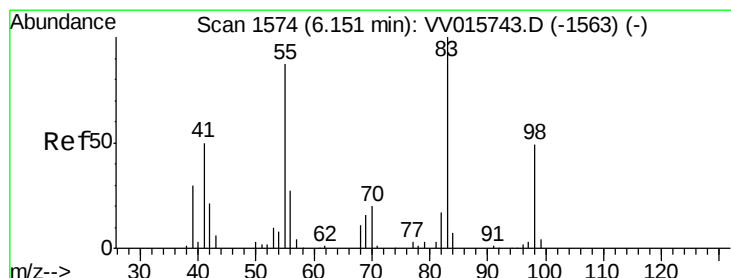
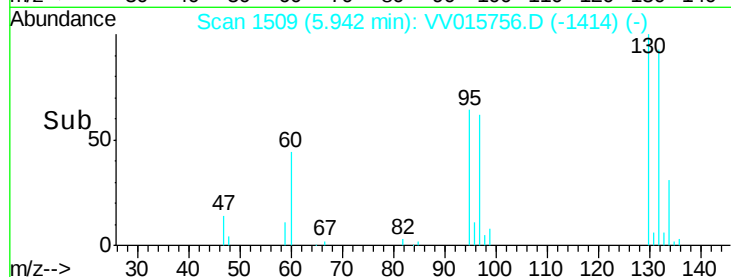
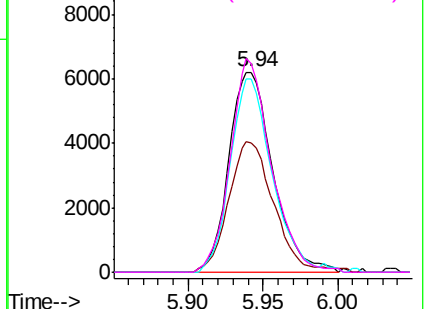


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.765 ug/L

RT: 6.10 min Scan# 1558

Delta R.T. -0.05 min

Lab File: VV015756.D

Acq: 28 Apr 2020 19:13

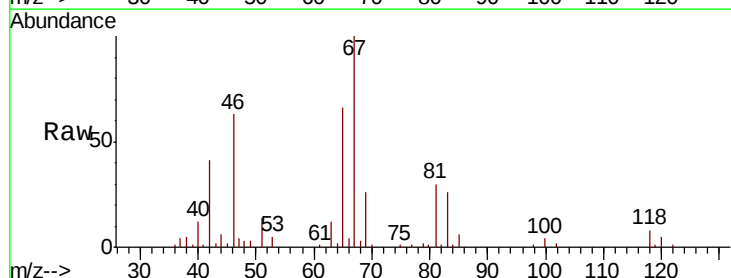
Tgt Ion: 83 Resp: 11349

Ion Ratio Lower Upper

83 100

55 0.4 66.6 99.8#

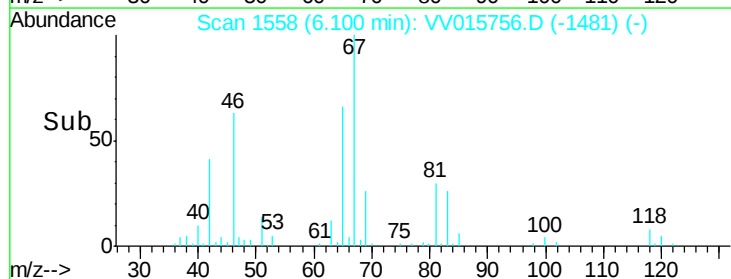
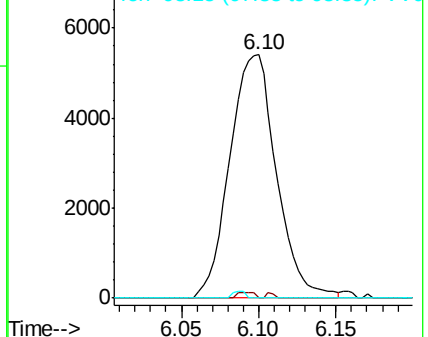
98 0.0 39.5 59.3#

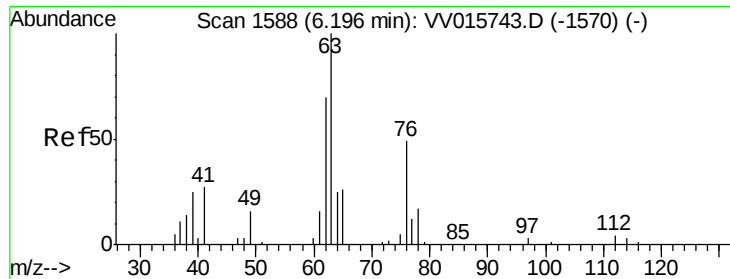


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

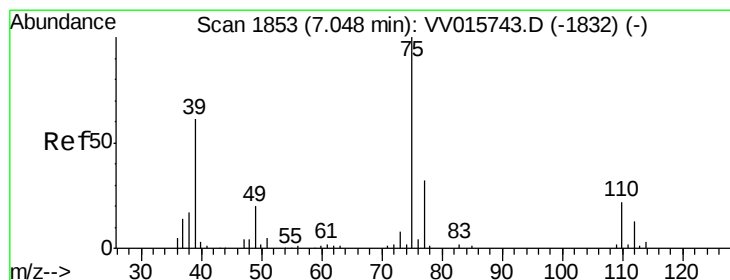
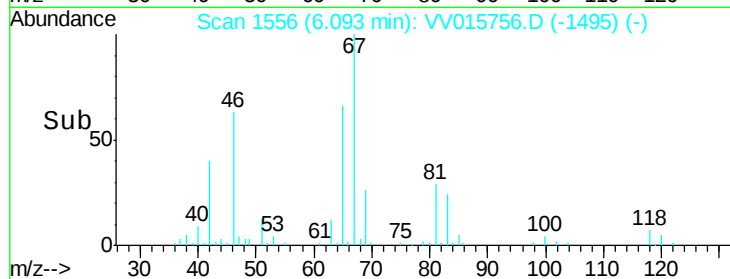
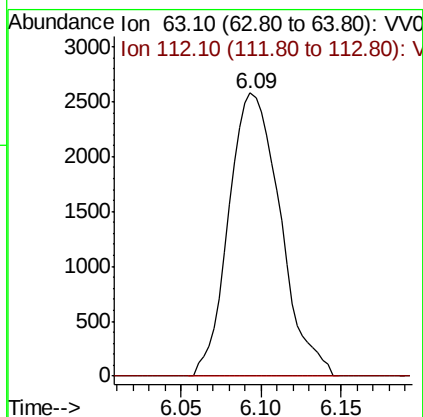
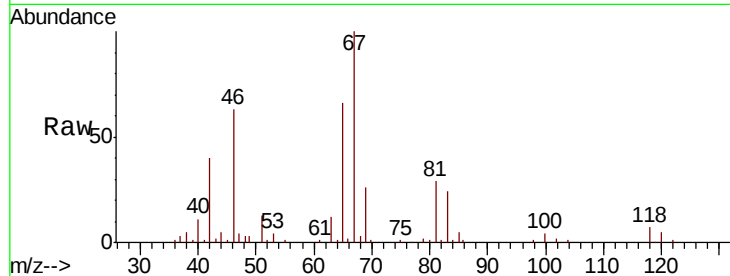




#37
 1,2-Dichloropropane
 Concen: 0.638 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015756.D
 Acq: 28 Apr 2020 19:13

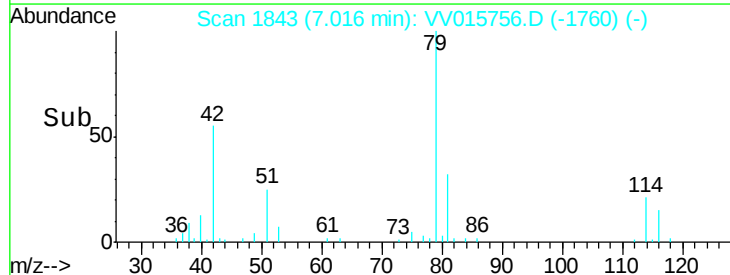
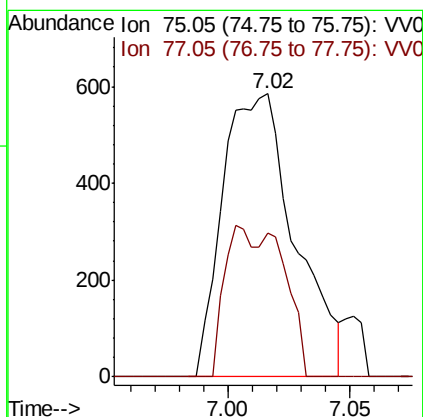
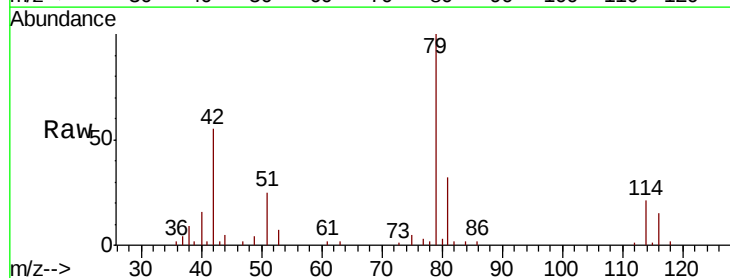
Instrument :
 MSVOA_V
 ClientSampled :

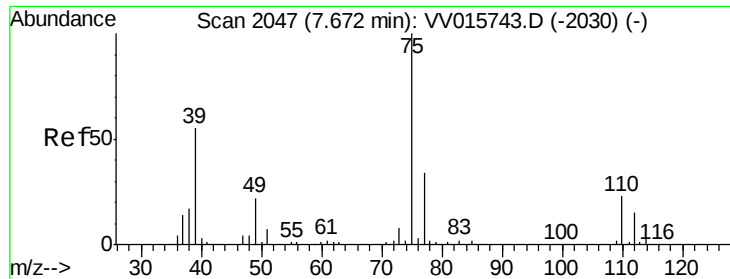
Tot Ion: 63 Resp: 5679
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.02 min Scan# 1843
 Delta R.T. -0.03 min
 Lab File: VV015756.D
 Acq: 28 Apr 2020 19:13

Tgt Ion: 75 Resp: 1202
 Ion Ratio Lower Upper
 75 100
 77 50.8 22.3 41.5#

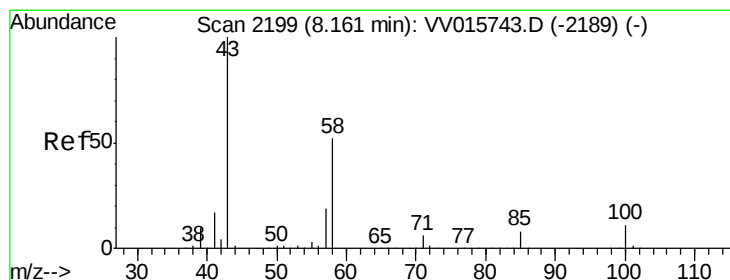
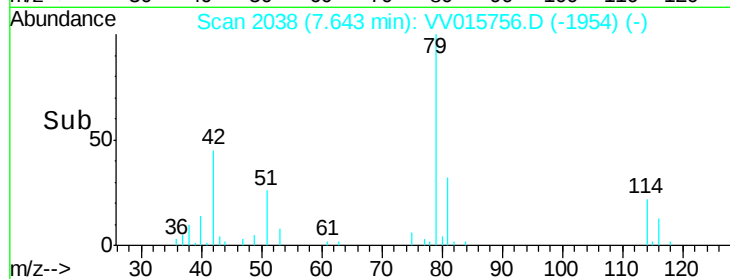
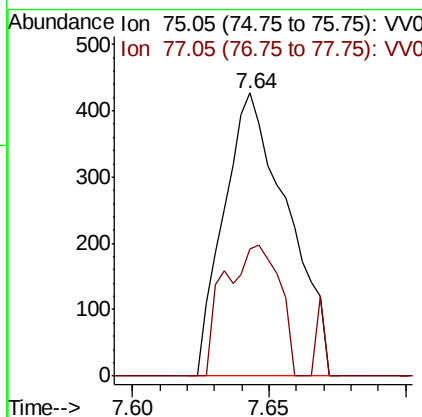
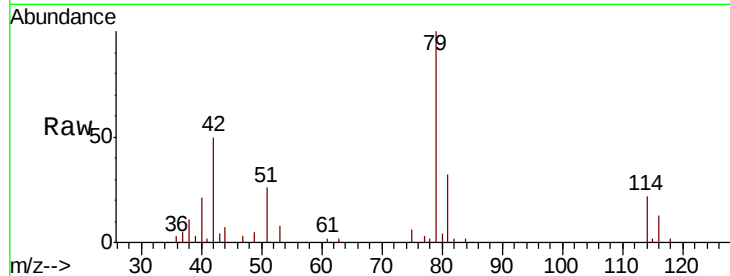




#44
trans-1,3-Dichloropropene
Concen: 0.067 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV015756.D
Acq: 28 Apr 2020 19:13

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 695
Ion Ratio Lower Upper
75 100
77 45.0 21.8 40.6#



#48
2-Hexanone
Concen: 1.148 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015756.D
Acq: 28 Apr 2020 19:13

Tgt Ion: 43 Resp: 4730
Ion Ratio Lower Upper
43 100
58 63.8 41.1 61.7#
57 0.0 15.0 22.4#
100 5.2 9.0 13.4#

