

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042320\
 Data File : VV015653.D
 Acq On : 23 Apr 2020 11:29
 Operator : SY/MD
 Sample : L2388-11DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 24 03:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 24 03:28:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	125385	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	119946	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57588	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	32235	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.57	69	32232	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.12	63	50183	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	3.94	46	106484	50.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.22%
24) Chloroform-d	4.37	84	73617	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.06	65	44145	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.07	84	142360	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.09	67	45496	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.33	98	131143	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.64	79	14607	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.11	63	80679	46.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	31850	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	49306	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

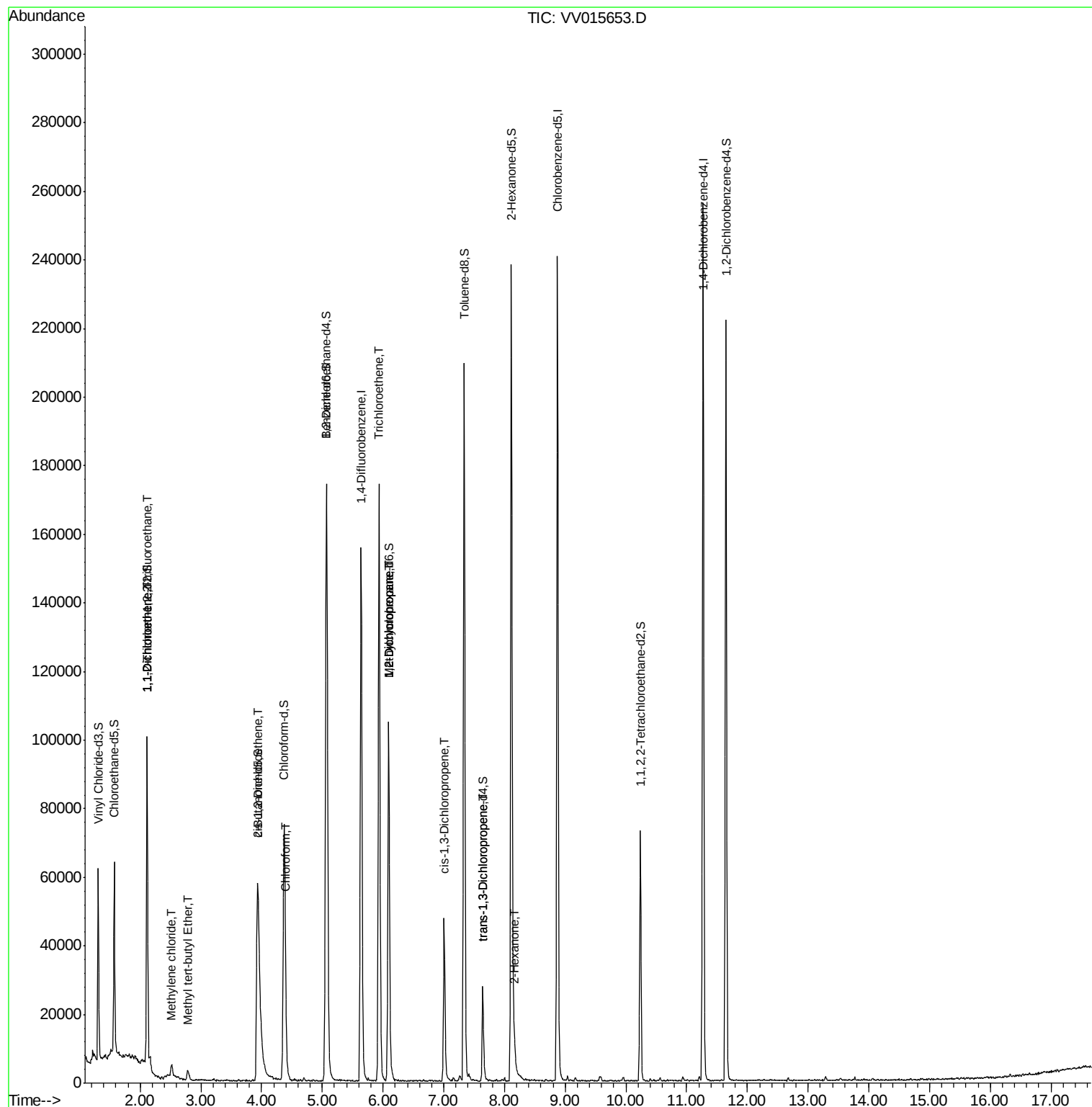
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	678	0.086	ug/L #	49
12) 1,1-Dichloroethene	2.12	96	611	0.084	ug/L #	1
16) Methylene chloride	2.52	84	1126	0.125	ug/L	94
17) Methyl tert-butyl Ether	2.79	73	2432	0.119	ug/L #	91
22) cis-1,2-Dichloroethene	3.94	96	7546	0.835	ug/L	99
25) Chloroform	4.40	83	6078	0.357	ug/L	99
34) Trichloroethene	5.93	95	59615	6.299	ug/L	97
35) Methylcyclohexane	6.09	83	11362	0.782	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	5455	0.626	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1570	0.129	ug/L #	58
44) trans-1,3-Dichloropropene	7.65	75	1102	0.108	ug/L	97
48) 2-Hexanone	8.17	43	4104	1.018	ug/L #	80

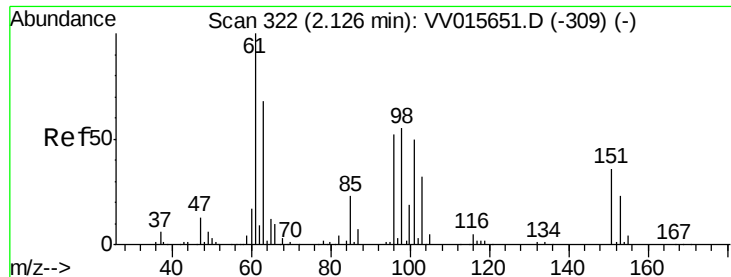
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.086 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV015653.D

Acq: 23 Apr 2020 11:29

Instrument :

MSVOA_V

ClientSampleId :

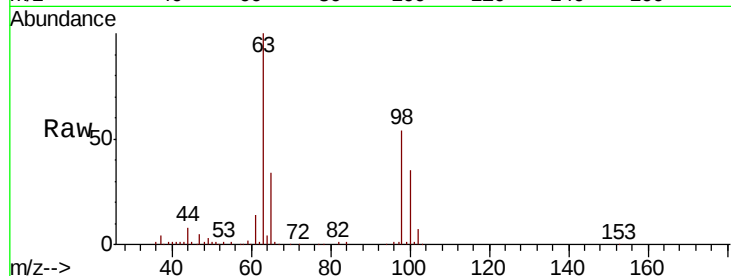
Tot Ion:101 Resp: 678

Ion Ratio Lower Upper

101 100

85 13.4 36.1 54.1#

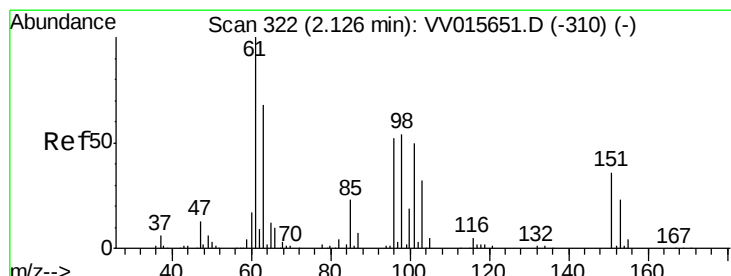
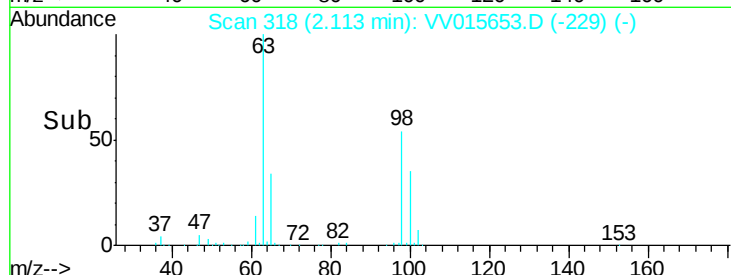
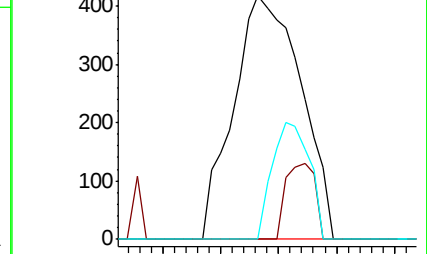
151 26.4 55.2 82.8#



Abundance Ion 101.00 (100.70 to 101.70): VV015653.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015653.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015653.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015653.D

Acq: 23 Apr 2020 11:29

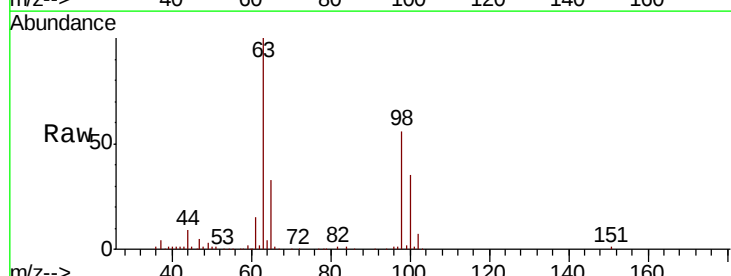
Tgt Ion: 96 Resp: 611

Ion Ratio Lower Upper

96 100

61 1329.3 130.1 241.7#

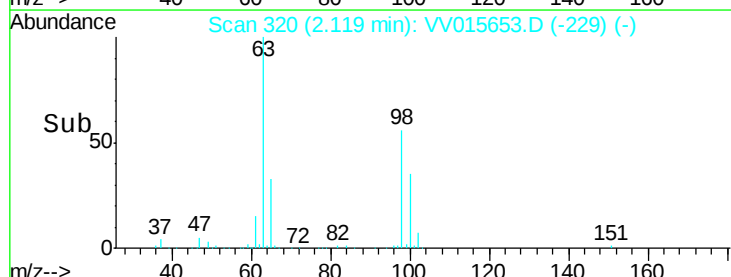
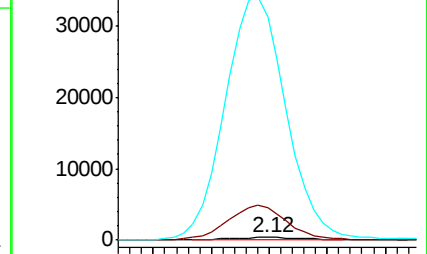
63 9041.2 91.4 169.8#

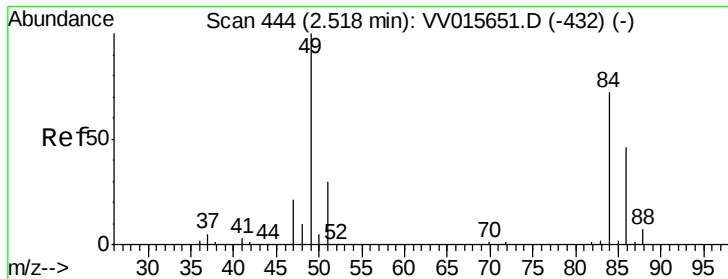


Abundance Ion 96.00 (95.70 to 96.70): VV015653.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015653.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015653.D (-229) (-)

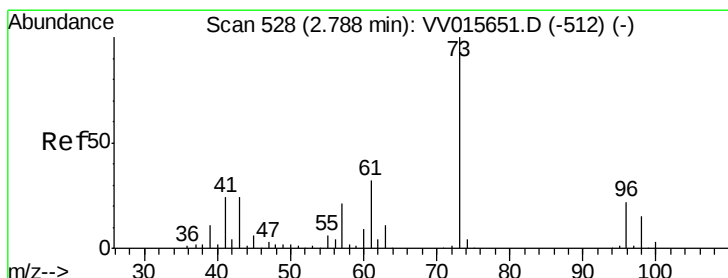
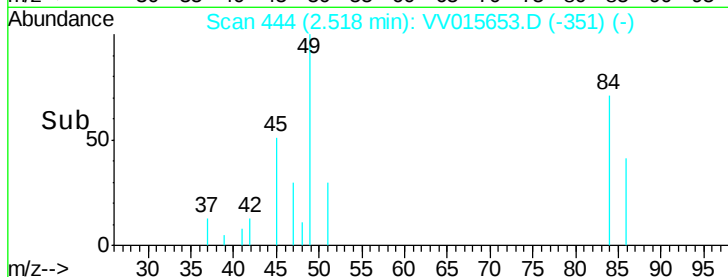
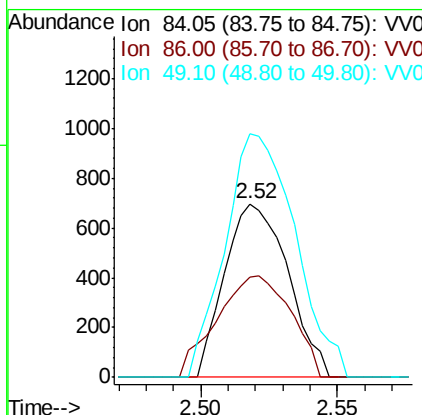
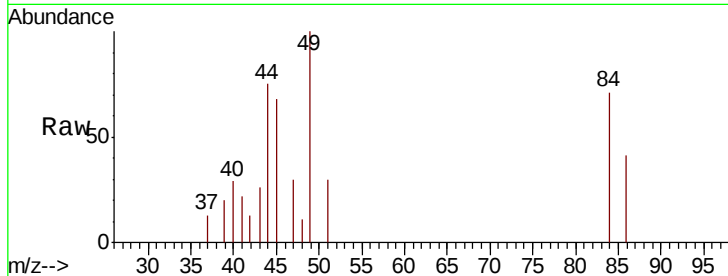




#16
Methylene chloride
Concen: 0.125 ug/L
RT: 2.52 min Scan# 444
Delta R.T. 0.00 min
Lab File: VV015653.D
Acq: 23 Apr 2020 11:29

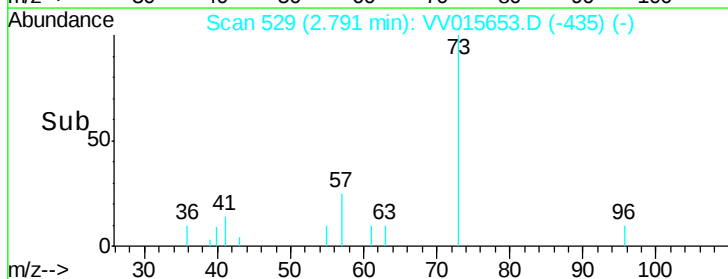
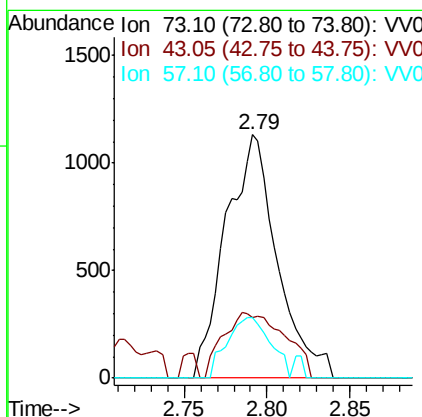
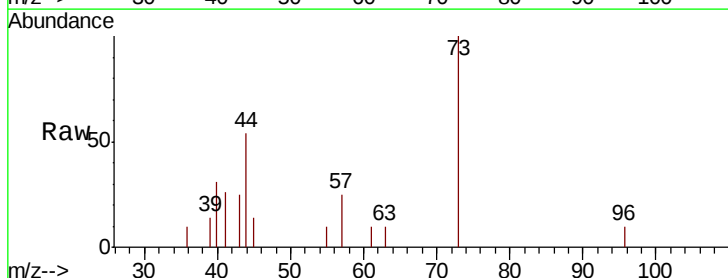
Instrument :
MSVOA_V
ClientSampleId :

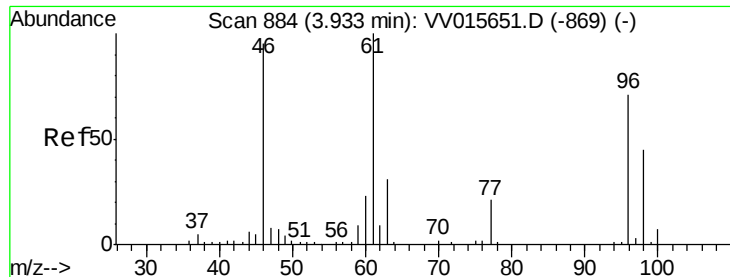
Tot Ion: 84 Resp: 1126
Ion Ratio Lower Upper
84 100
86 57.7 45.1 83.7
49 140.3 94.4 175.4



#17
Methyl tert-butyl Ether
Concen: 0.119 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015653.D
Acq: 23 Apr 2020 11:29

Tgt Ion: 73 Resp: 2432
Ion Ratio Lower Upper
73 100
43 32.4 20.1 30.1#
57 21.2 17.8 26.8



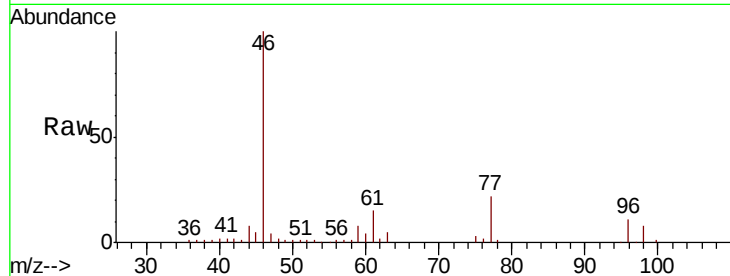


#22

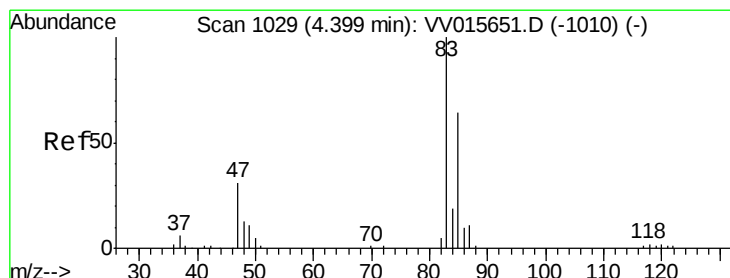
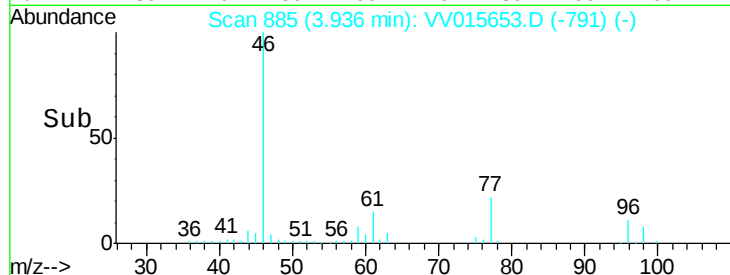
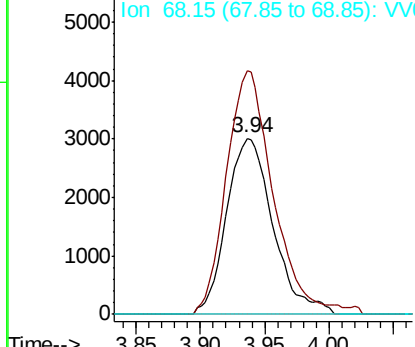
cis-1,2-Dichloroethene
Concen: 0.835 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015653.D
Acq: 23 Apr 2020 11:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 7546
Ion Ratio Lower Upper
96 100
61 138.4 96.4 179.0
68 0.0 0.0 0.0



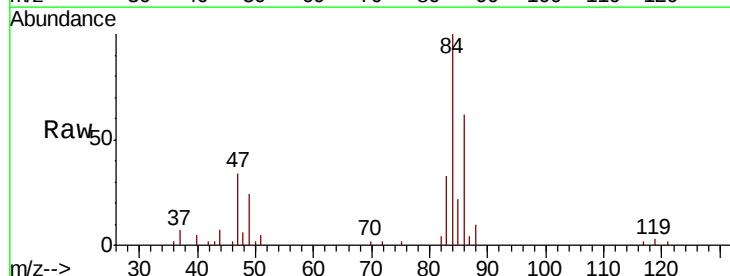
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



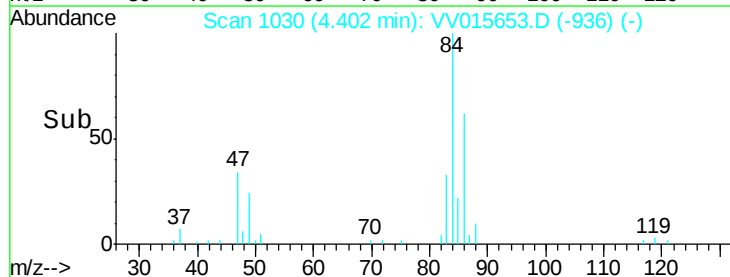
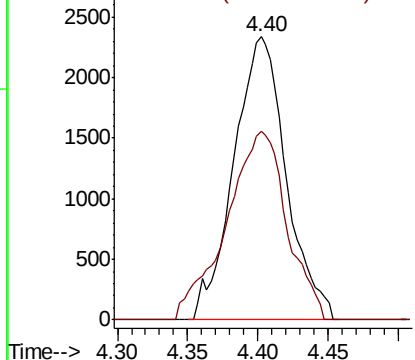
#25

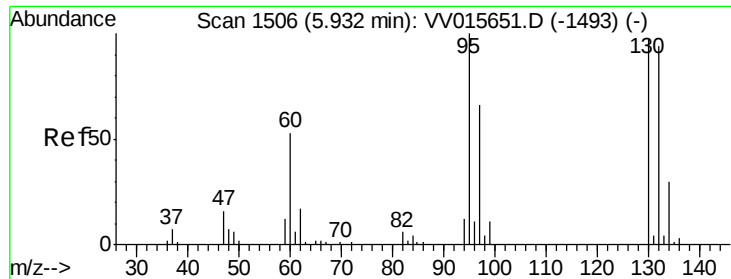
Chloroform
Concen: 0.357 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015653.D
Acq: 23 Apr 2020 11:29

Tgt Ion: 83 Resp: 6078
Ion Ratio Lower Upper
83 100
85 66.8 46.1 85.5



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

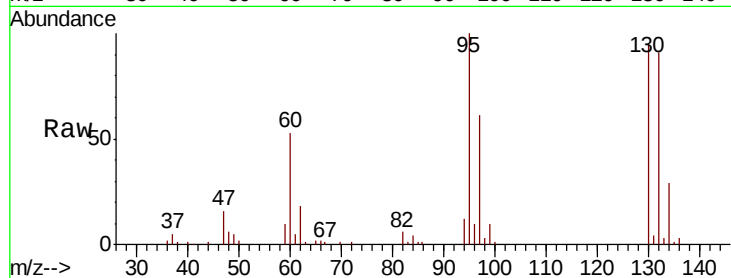




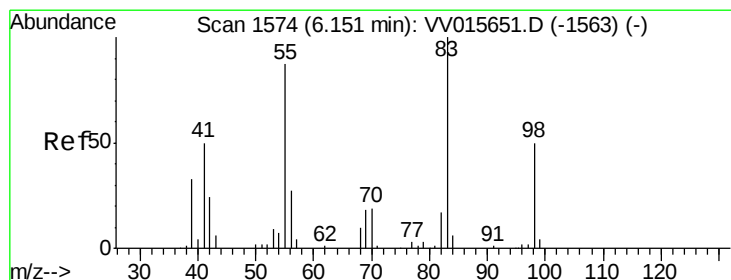
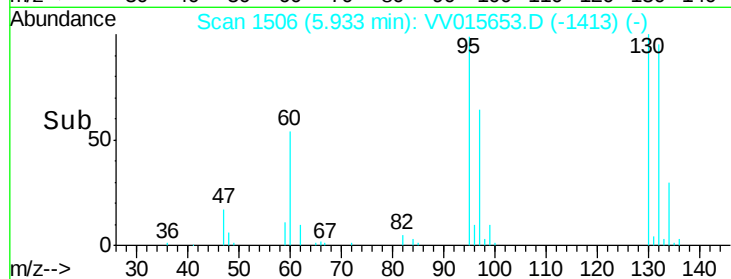
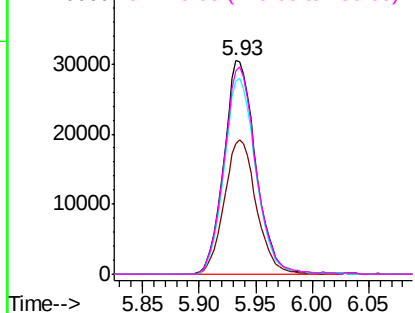
#34
 Trichloroethene
 Concen: 6.299 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. 0.00 min
 Lab File: VV015653.D
 Acq: 23 Apr 2020 11:29

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 59615
 Ion Ratio Lower Upper
 95 100
 97 61.4 44.7 82.9
 132 90.6 65.2 121.0
 130 95.2 65.0 120.6

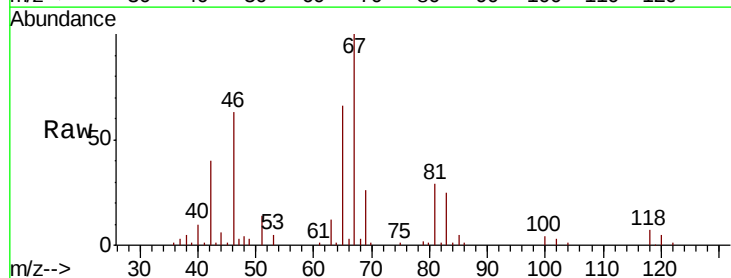


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

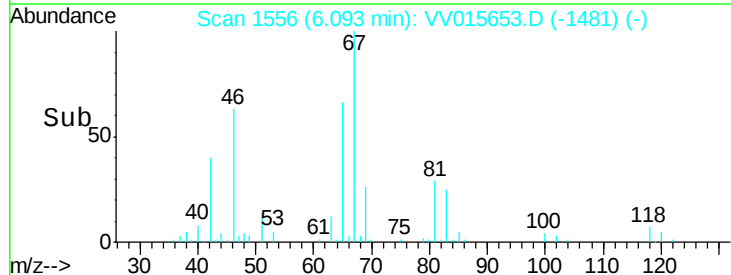
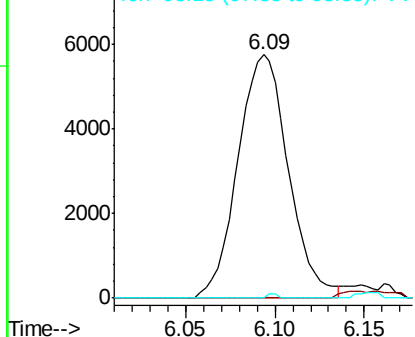


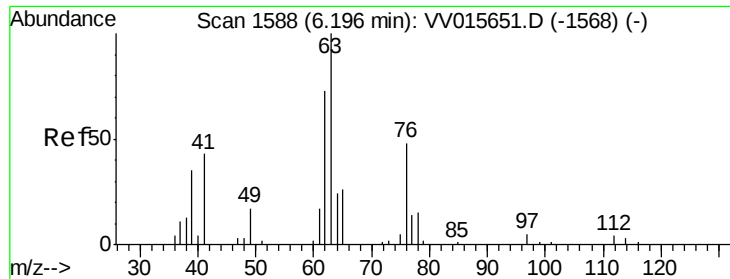
#35
 Methylcyclohexane
 Concen: 0.782 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV015653.D
 Acq: 23 Apr 2020 11:29

Tgt Ion: 83 Resp: 11362
 Ion Ratio Lower Upper
 83 100
 55 1.5 66.6 99.8#
 98 1.0 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

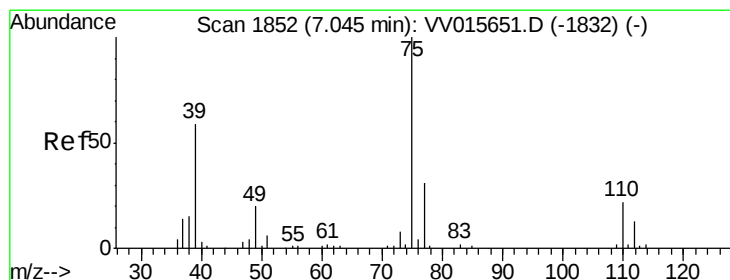
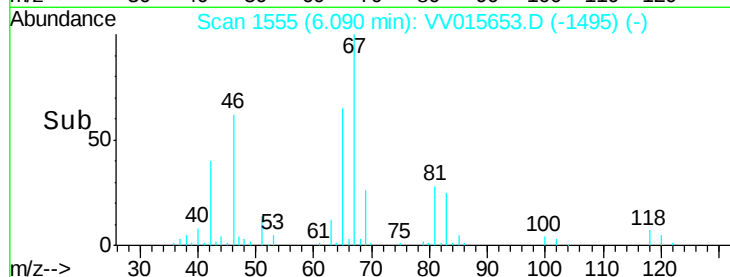
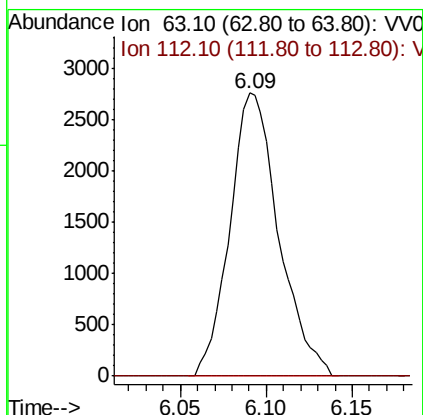
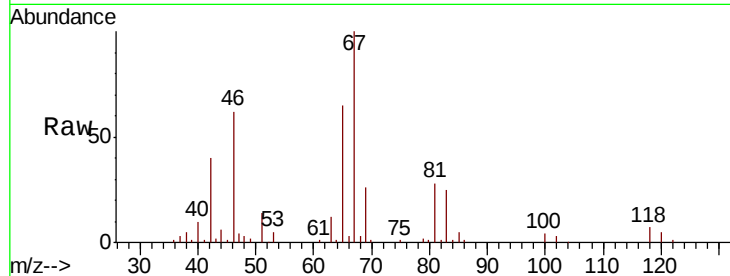




#37
 1,2-Dichloropropane
 Concen: 0.626 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.11 min
 Lab File: VV015653.D
 Acq: 23 Apr 2020 11:29

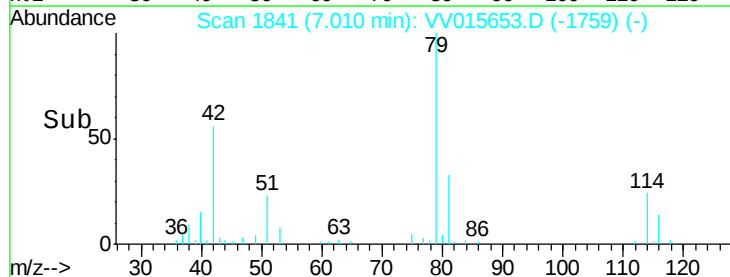
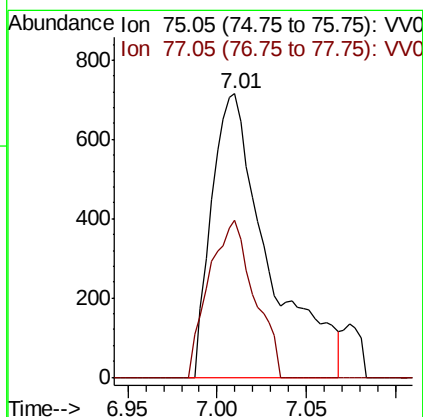
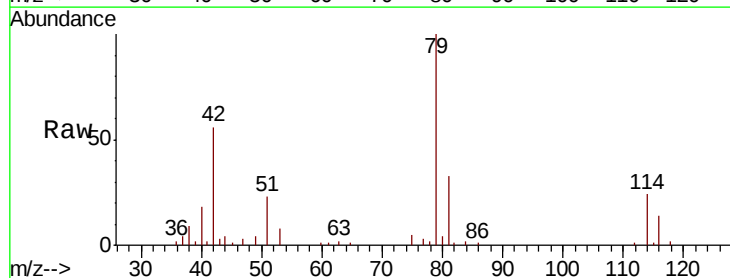
Instrument :
 MSVOA_V
 ClientSampleId :

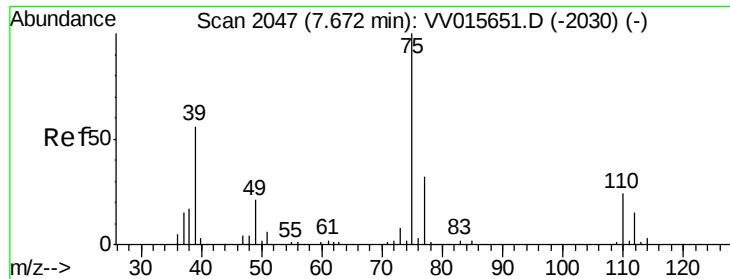
Tot Ion: 63 Resp: 5455
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.129 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015653.D
 Acq: 23 Apr 2020 11:29

Tgt Ion: 75 Resp: 1570
 Ion Ratio Lower Upper
 75 100
 77 55.5 22.3 41.5#





#44

trans-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015653.D

Acq: 23 Apr 2020 11:29

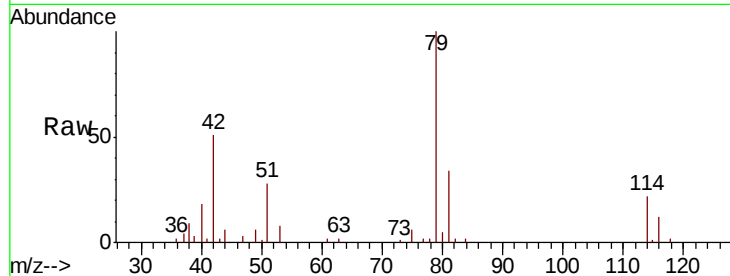
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 1102

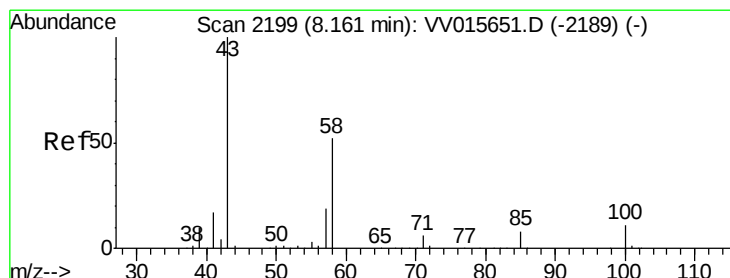
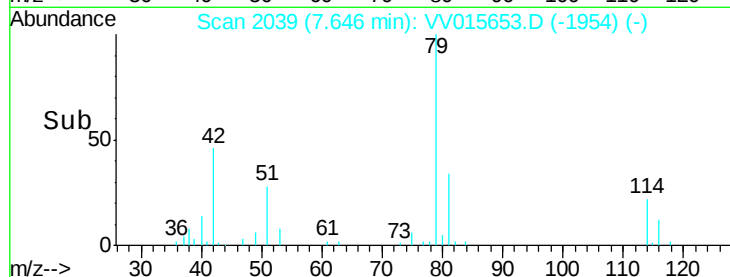
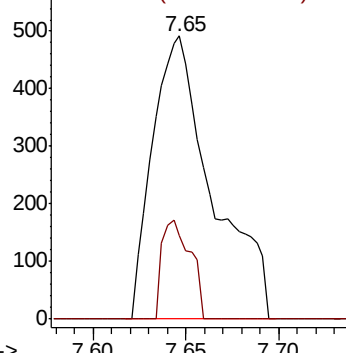
Ion Ratio Lower Upper

75 100

77 29.5 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0



#48

2-Hexanone

Concen: 1.018 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV015653.D

Acq: 23 Apr 2020 11:29

Tgt Ion: 43 Resp: 4104

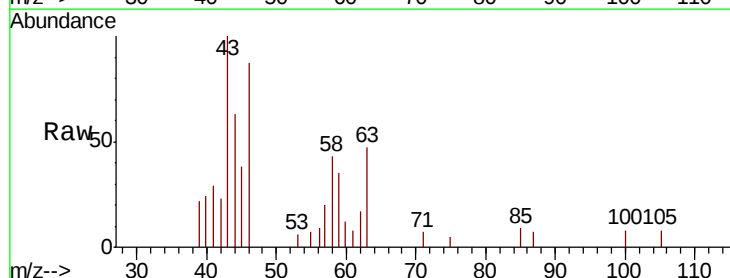
Ion Ratio Lower Upper

43 100

58 32.0 41.1 61.7#

57 21.2 15.0 22.4

100 8.7 9.0 13.4#



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

