

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016202.D
 Acq On : 26 May 2020 19:57
 Operator : SY/MD
 Sample : L2731-13
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:16:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	100792	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	96559	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	44906	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29392	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	26706	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.12	63	41285	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	3.96	46	83630	52.08	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.16%
24) Chloroform-d	4.38	84	60899	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.06	65	33409	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.08	84	120779	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.10	67	37732	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.34	98	110069	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
45) trans-1,3-Dichloropropene-	7.65	79	12922	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
48) 2-Hexanone-d5	8.12	63	62927	49.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.48%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25559	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	38685	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

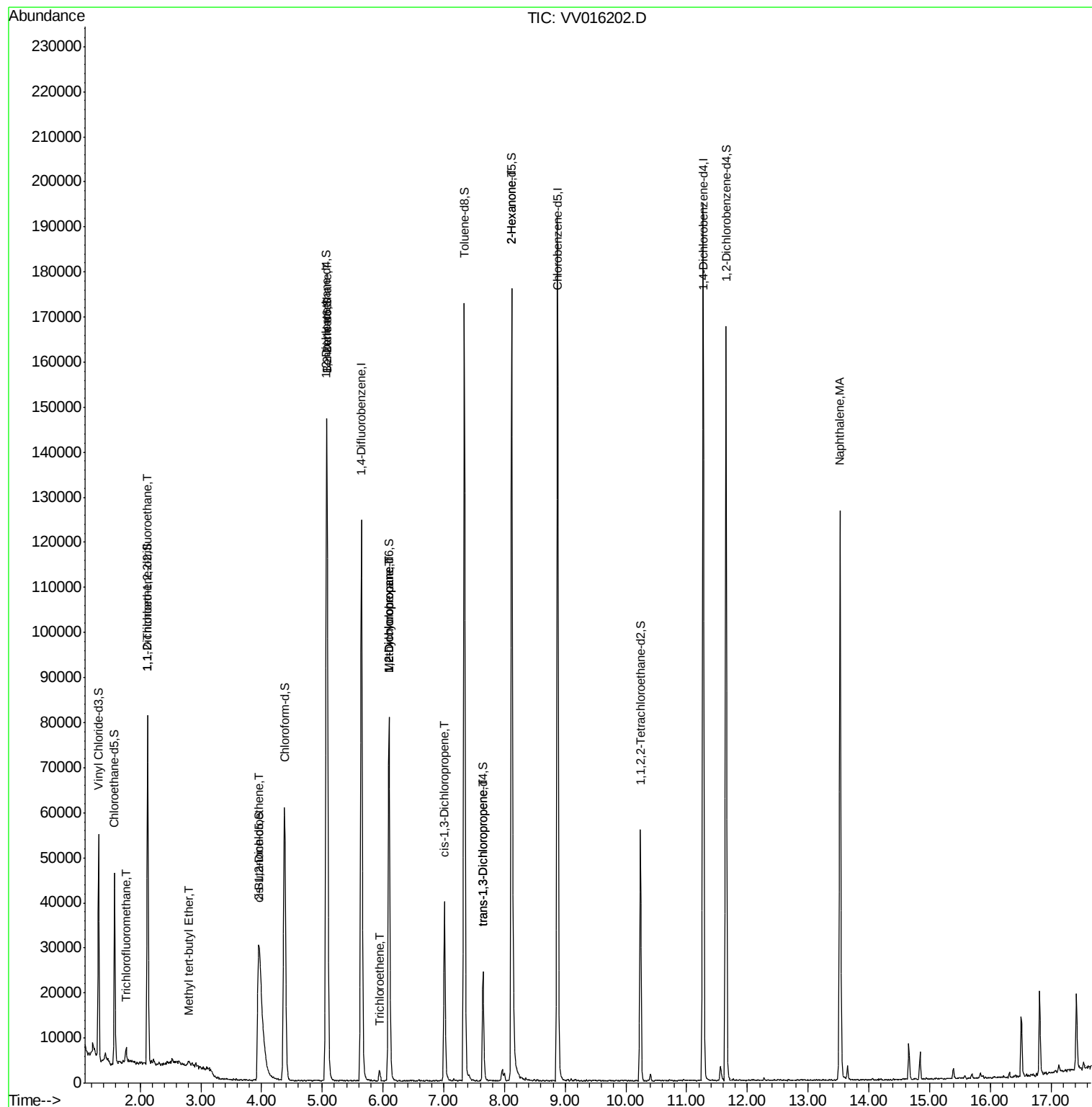
					Ovalue
9) Trichlorofluoromethane	1.77	101	2109	0.185 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	467	0.075 ug/L #	30
17) Methyl tert-butyl Ether	2.79	73	951	0.065 ug/L #	81
22) cis-1,2-Dichloroethene	3.94	96	522	0.068 ug/L	97
27) 1,2-Dichloroethane	5.07	62	710	0.083 ug/L #	79
34) Trichloroethene	5.95	95	853	0.118 ug/L #	66
35) Methylcyclohexane	6.10	83	9042	0.741 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4351	0.638 ug/L #	88
39) cis-1,3-Dichloropropene	7.02	75	962	0.100 ug/L #	56
46) trans-1,3-Dichloropropene	7.65	75	574	0.072 ug/L	90
50) 2-Hexanone	8.12	43	8724	2.950 ug/L #	72
70) Naphthalene	13.53	128	96557	5.190 ug/L	99

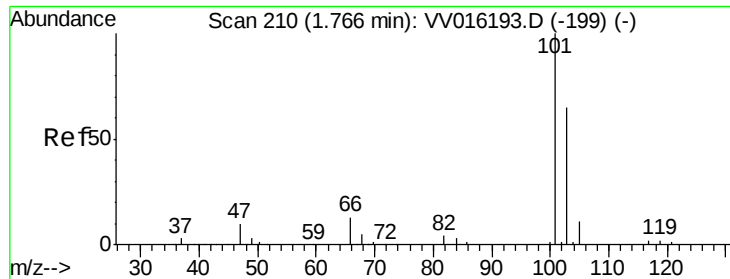
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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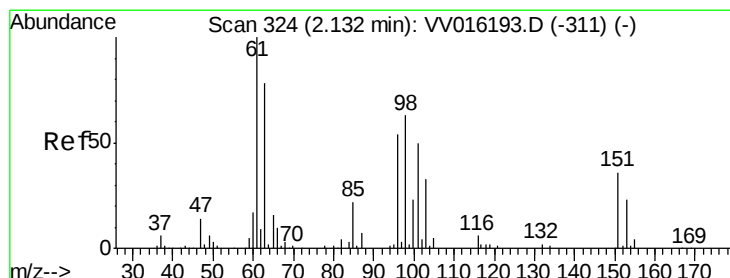
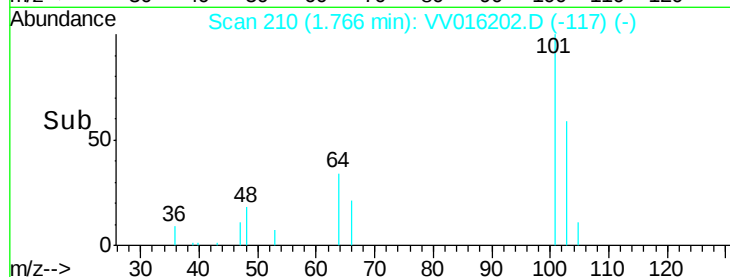
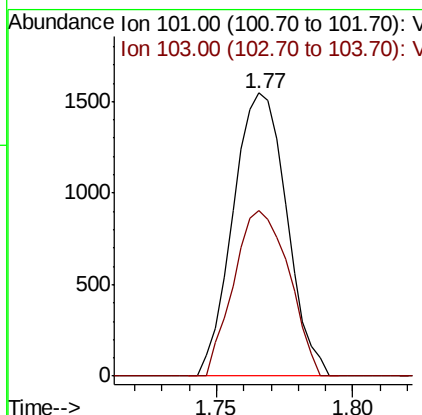
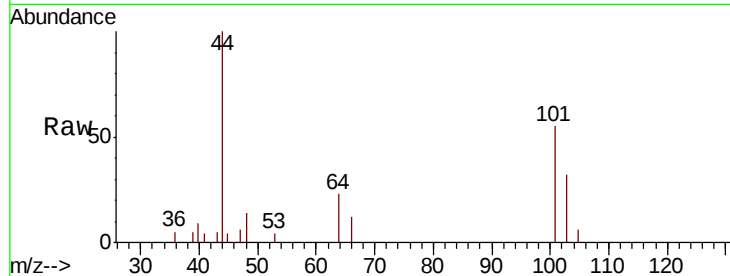


#9

Trichlorofluoromethane
 Concen: 0.185 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VV016202.D
 Acq: 26 May 2020 19:57

Instrument :
 MSVOA_V
 ClientSampleId :

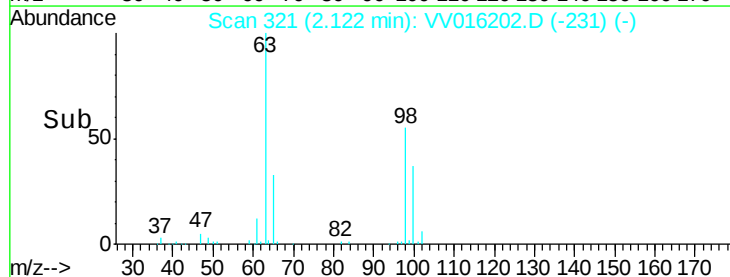
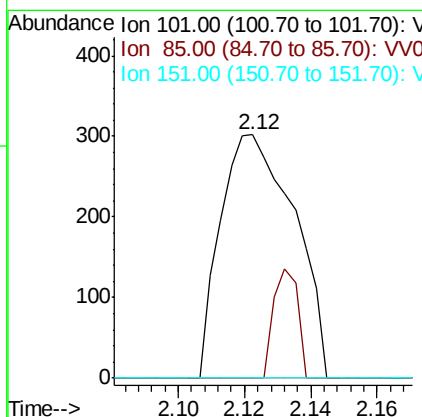
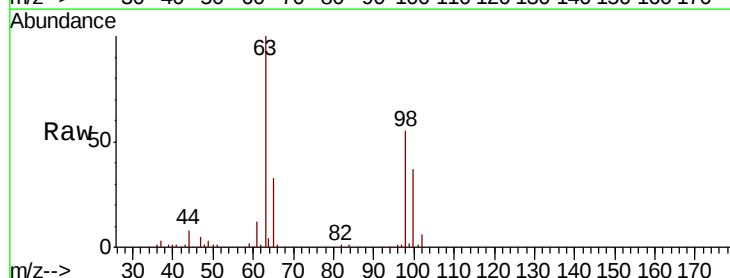
Tot Ion:101 Resp: 2109
 Ion Ratio Lower Upper
 101 100
 103 60.2 51.9 77.9

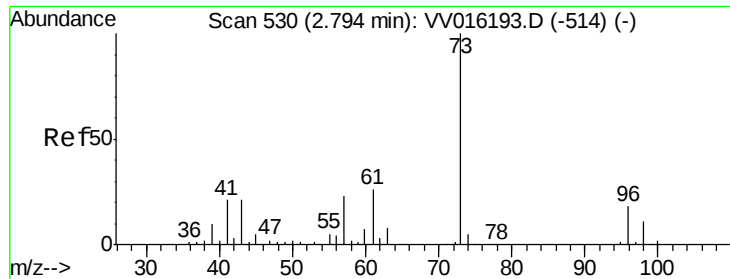


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.075 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV016202.D
 Acq: 26 May 2020 19:57

Tgt Ion:101 Resp: 467
 Ion Ratio Lower Upper
 101 100
 85 14.6 35.0 52.6#
 151 0.0 56.3 84.5#

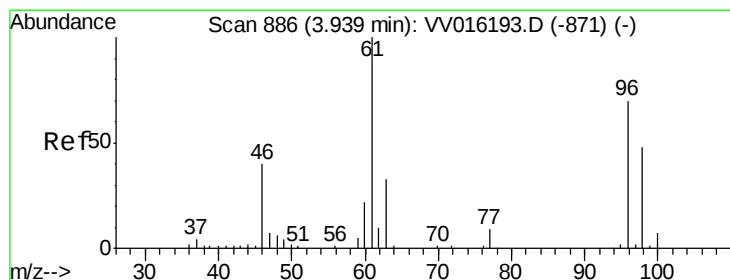
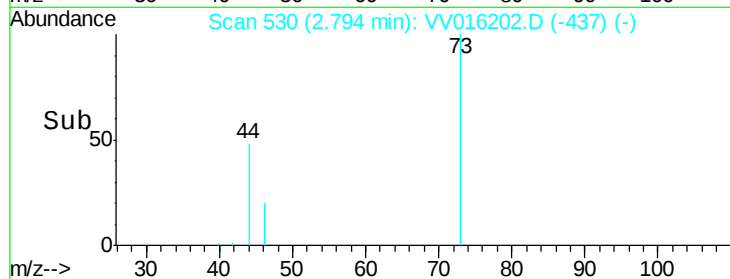
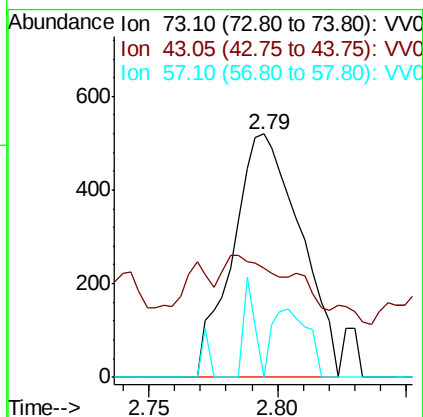
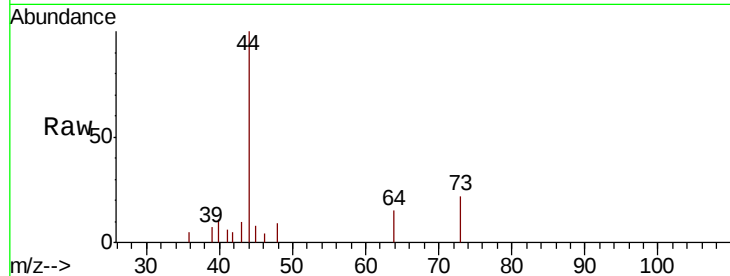




#17
Methvl tert-butvl Ether
Concen: 0.065 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016202.D
Acq: 26 May 2020 19:57

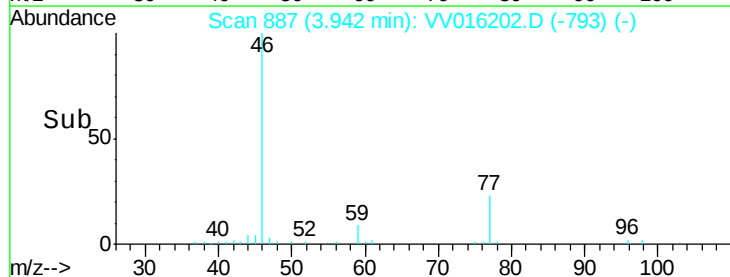
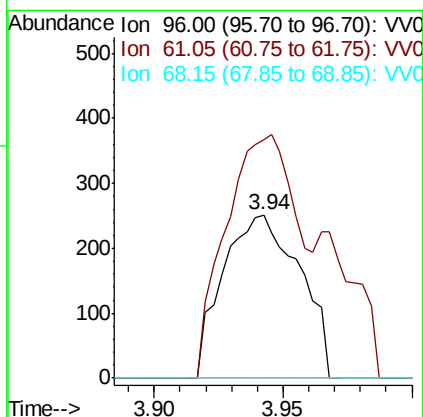
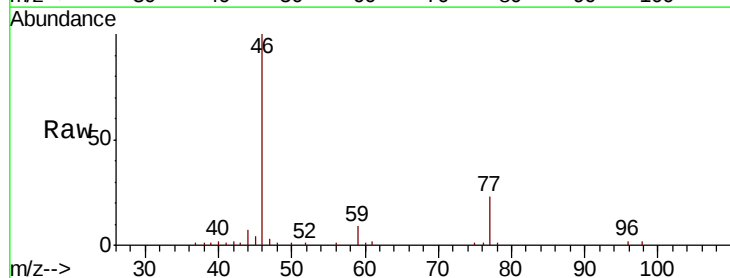
Instrument :
MSVOA_V
ClientSampleId :

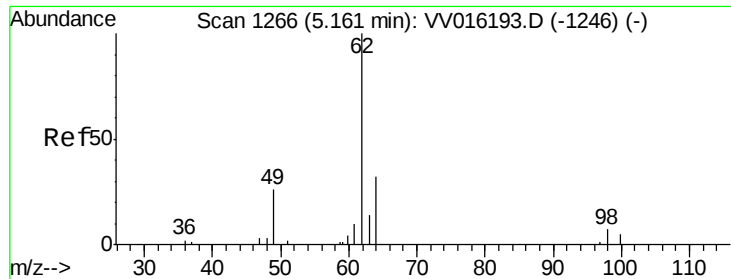
Tot Ion: 73 Resp: 951
Ion Ratio Lower Upper
73 100
43 21.5 17.8 26.8
57 6.6 18.9 28.3#



#22
cis-1,2-Dichloroethene
Concen: 0.068 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV016202.D
Acq: 26 May 2020 19:57

Tgt Ion: 96 Resp: 522
Ion Ratio Lower Upper
96 100
61 145.6 99.7 185.1
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.083 ug/L

RT: 5.07 min Scan# 1239

Delta R.T. -0.09 min

Lab File: VV016202.D

Acq: 26 May 2020 19:57

Instrument :

MSVOA_V

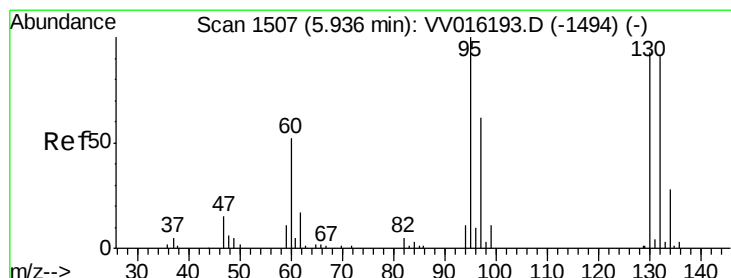
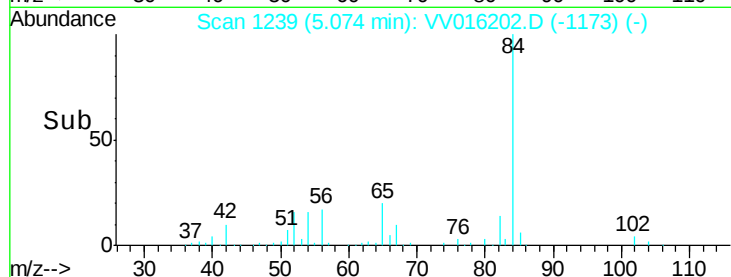
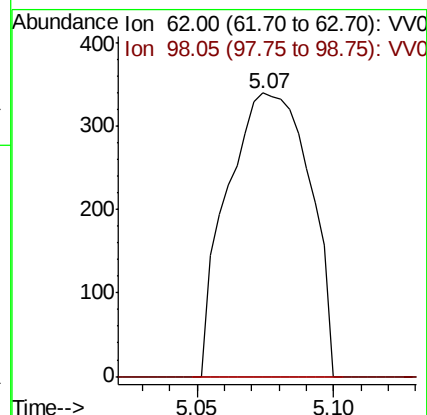
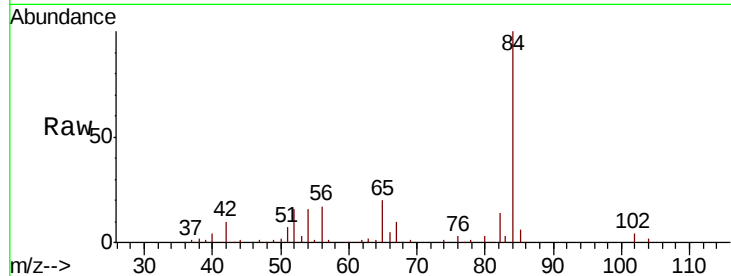
ClientSampleId :

Tot Ion: 62 Resp: 710

Ion Ratio Lower Upper

62 100

98 0.0 5.7 8.5#



#34

Trichloroethene

Concen: 0.118 ug/L

RT: 5.95 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VV016202.D

Acq: 26 May 2020 19:57

Tgt Ion: 95 Resp: 853

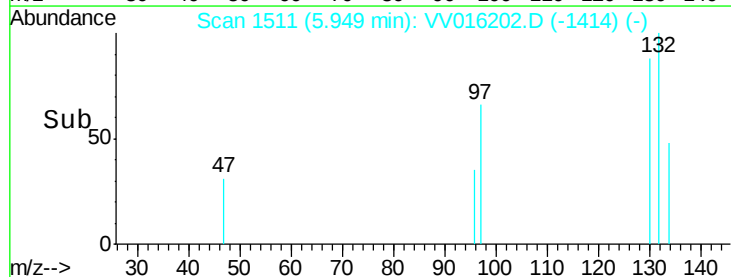
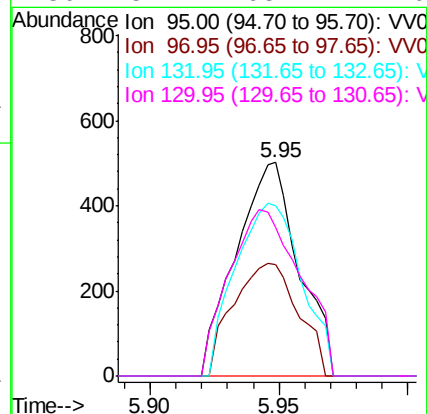
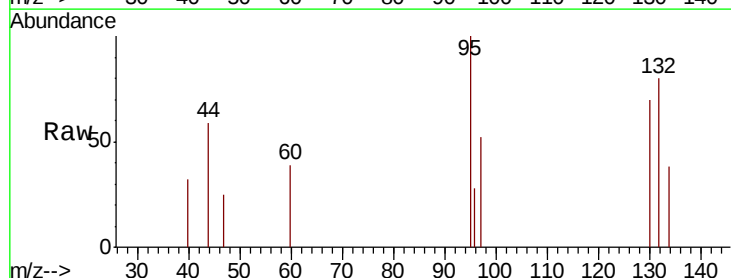
Ion Ratio Lower Upper

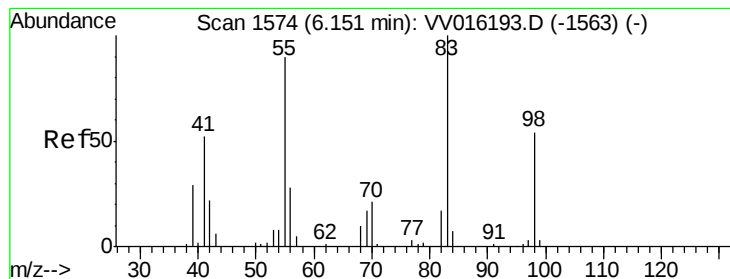
95 100

97 40.7 43.6 81.0#

132 62.2 63.9 118.7#

130 54.4 65.2 121.0#





#35

Methvlcvclohexane

Concen: 0.741 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV016202.D

Acq: 26 May 2020 19:57

Instrument :
MSVOA_V
ClientSampled :

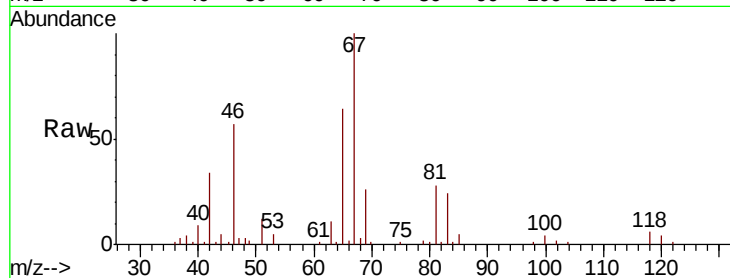
Tot Ion: 83 Resp: 9042

Ion Ratio Lower Upper

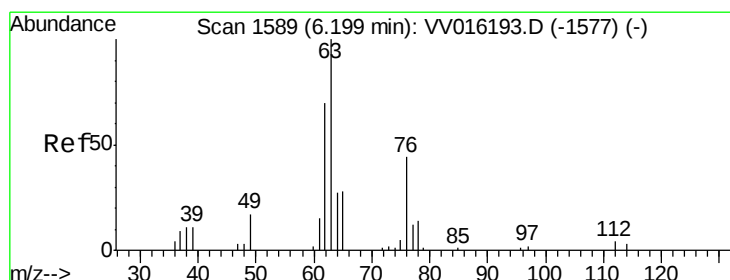
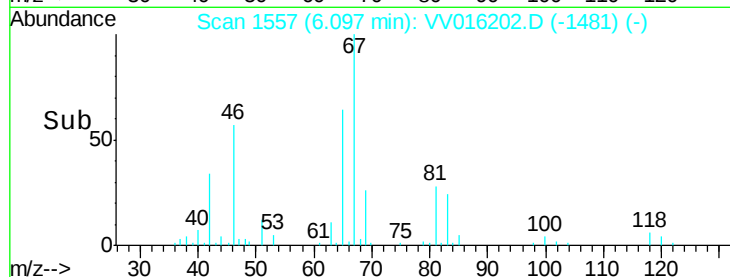
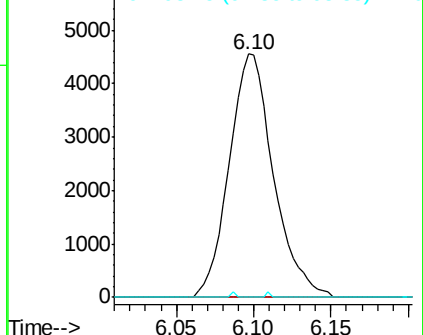
83 100

55 0.0 65.4 98.0#

98 0.2 39.3 58.9#



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: 0.638 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016202.D

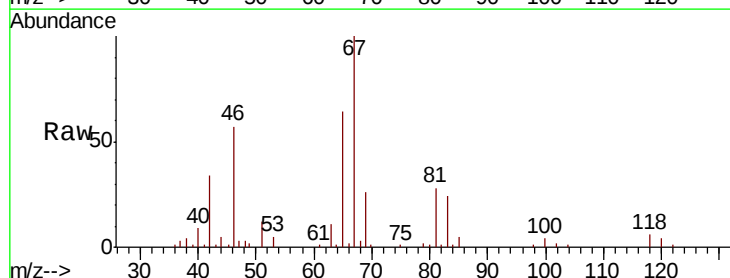
Acq: 26 May 2020 19:57

Tgt Ion: 63 Resp: 4351

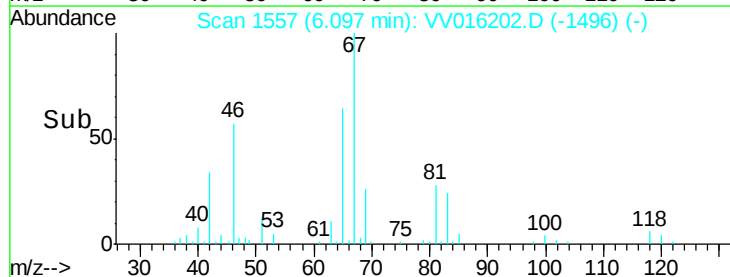
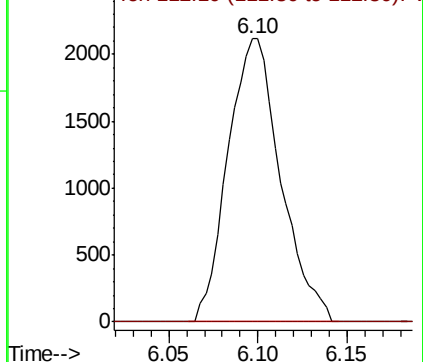
Ion Ratio Lower Upper

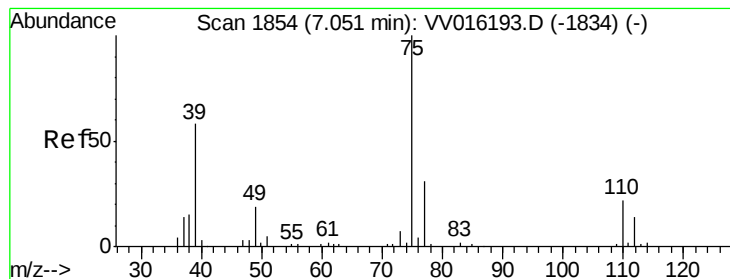
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V



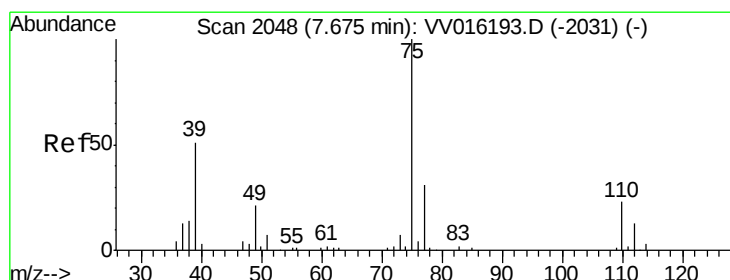
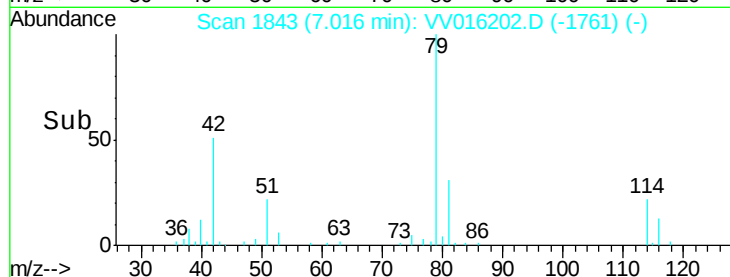
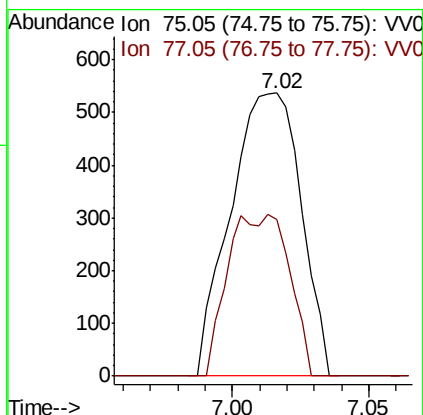
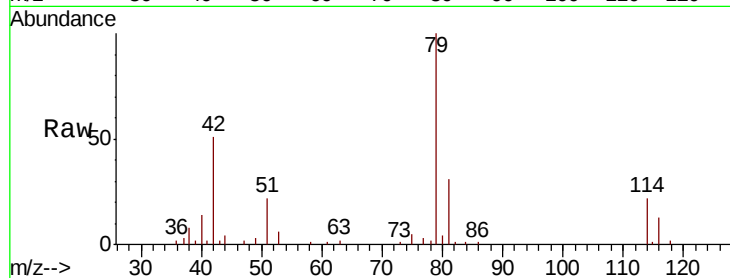


#39

cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.02 min Scan# 1843
 Delta R.T. -0.04 min
 Lab File: VV016202.D
 Acq: 26 May 2020 19:57

Instrument :
 MSVOA_V
 ClientSampled :

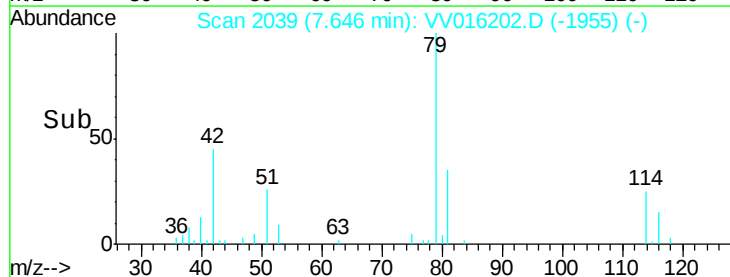
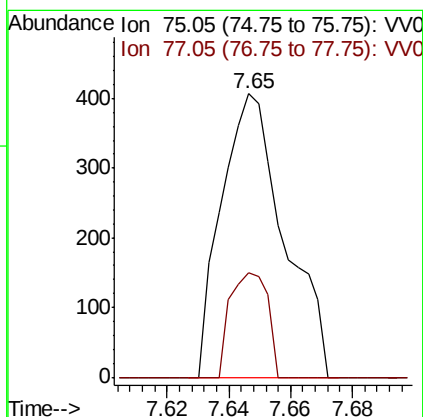
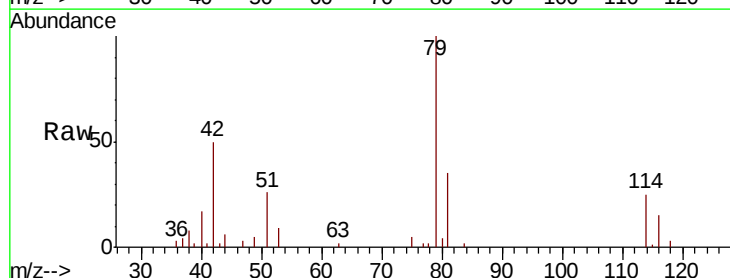
Tot Ion: 75 Resp: 962
 Ion Ratio Lower Upper
 75 100
 77 55.1 21.7 40.3#

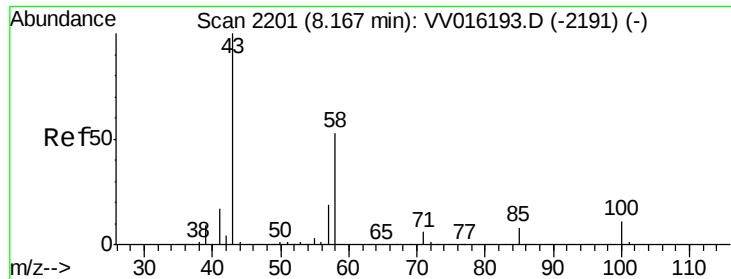


#46

trans-1,3-Dichloropropene
 Concen: 0.072 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV016202.D
 Acq: 26 May 2020 19:57

Tgt Ion: 75 Resp: 574
 Ion Ratio Lower Upper
 75 100
 77 36.6 21.7 40.3

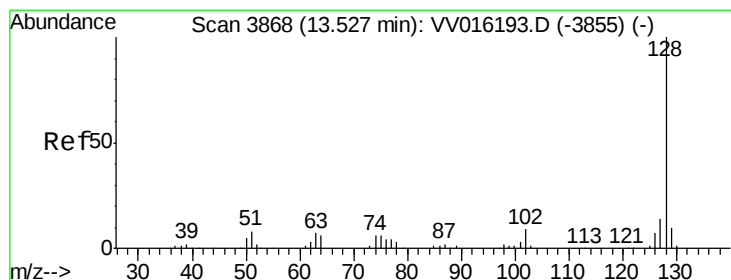
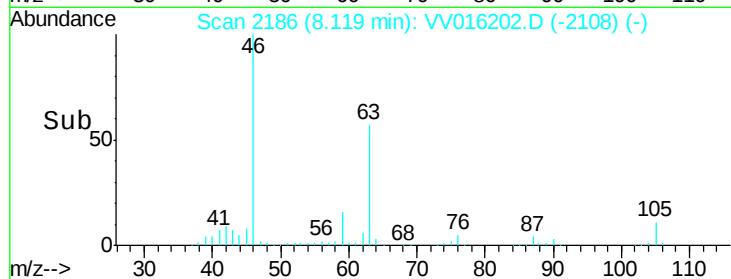
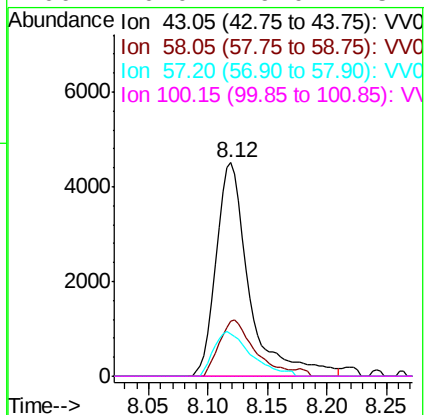
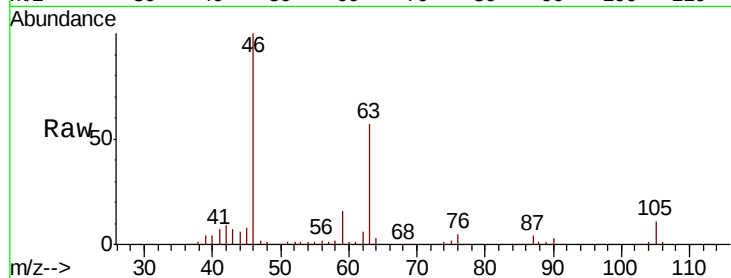




#50
2-Hexanone
Concen: 2.950 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV016202.D
Acq: 26 May 2020 19:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8724
Ion Ratio Lower Upper
43 100
58 27.8 41.4 62.0#
57 23.6 15.0 22.4#
100 0.0 9.0 13.4#



#70
Naphthalene
Concen: 5.190 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV016202.D
Acq: 26 May 2020 19:57

Tgt Ion: 128 Resp: 96557
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 12.6 10.6 15.8

