

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019304.D
 Acq On : 09 Nov 2020 15:34
 Operator : SY/MD
 Sample : VV109MBL01
 Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK320

Quant Time: Nov 10 07:06:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 06:58:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	249973	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	247802	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	121119	50.00	ug/L	0.00

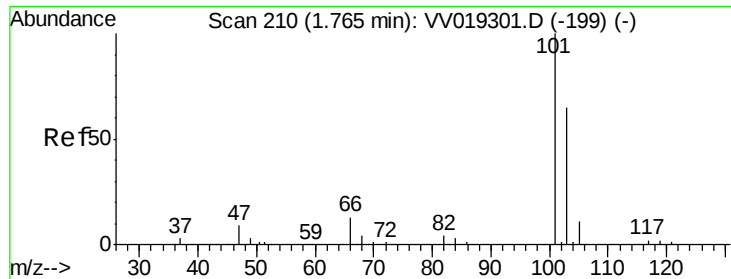
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75799	39.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.58%
7) Chloroethane-d5	1.58	69	68424	45.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.52%
11) 1,1-Dichloroethene-d2	2.12	63	123998	34.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.44%
21) 2-Butanone-d5	3.91	46	119289	112.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.14%
24) Chloroform-d	4.37	84	162803	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.18%
26) 1,2-Dichloroethane-d4	5.06	65	116949	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
32) Benzene-d6	5.07	84	304404	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.98%
36) 1,2-Dichloropropane-d6	6.09	67	99354	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.26%
41) Toluene-d8	7.34	98	268246	42.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.16%
43) trans-1,3-Dichloropropene-	7.64	79	49025	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.76%
47) 2-Hexanone-d5	8.11	63	73539	92.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.72%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	121745	44.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.44%
66) 1,2-Dichlorobenzene-d4	11.65	152	116338	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%

Target Compounds

					Ovalue
9) Trichlorofluoromethane	2.12	101	1005	0.366 ug/L #	30
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1005	0.770 ug/L #	17
12) 1,1-Dichloroethene	2.12	96	994	0.737 ug/L #	1
33) Benzene	5.08	78	2674	0.434 ug/L	100
35) Methylcyclohexane	6.09	83	24975	12.329 ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	3213	1.222 ug/L #	74
44) trans-1,3-Dichloropropene	7.64	75	2549	0.946 ug/L	94
60) Isopropylbenzene	10.95	105	293	0.046 ug/L #	54
61) 1,2,3-Trichloropropane	11.27	75	13835	7.352 ug/L #	59
62) 1,3,5-Trimethylbenzene	10.95	105	293	0.055 ug/L #	29
63) 1,2,4-Trimethylbenzene	10.95	105	293	0.057 ug/L #	31

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

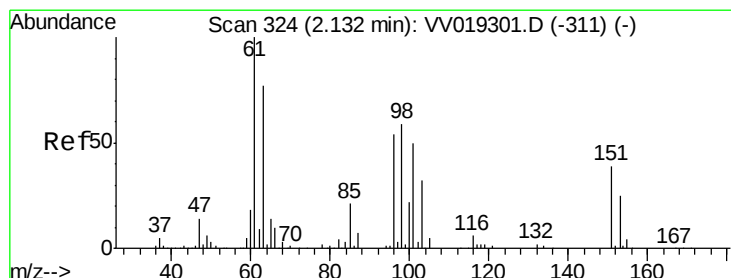
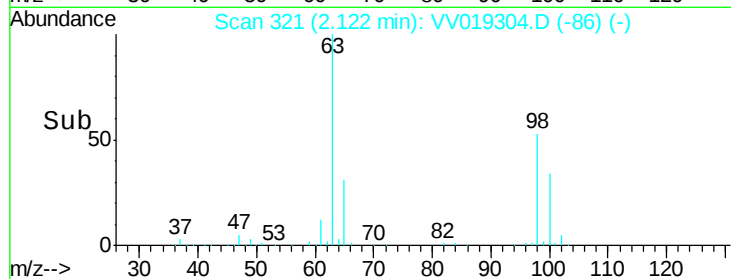
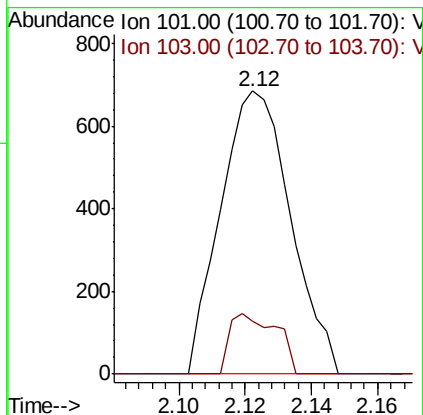
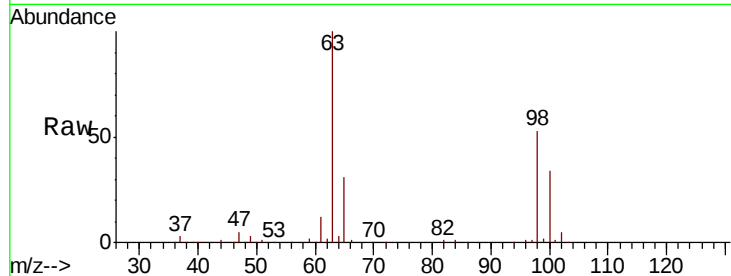


#9

Trichlorofluoromethane
 Concen: 0.366 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. 0.36 min
 Lab File: VV019304.D
 Acq: 09 Nov 2020 15:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK320

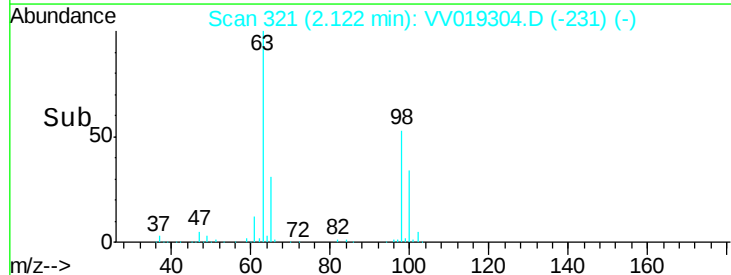
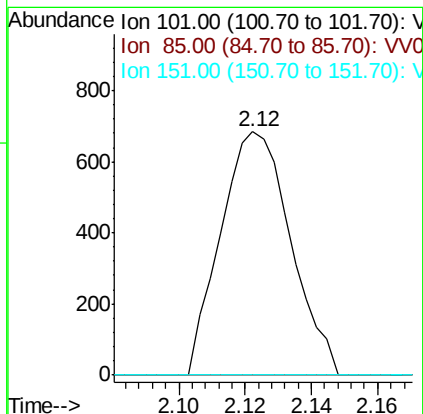
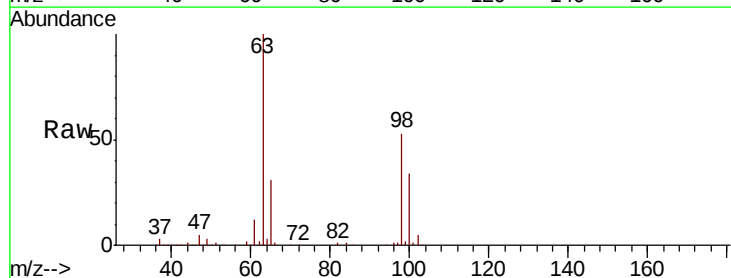
Tot Ion:101 Resp: 1005
 Ion Ratio Lower Upper
 101 100
 103 10.0 52.3 78.5#

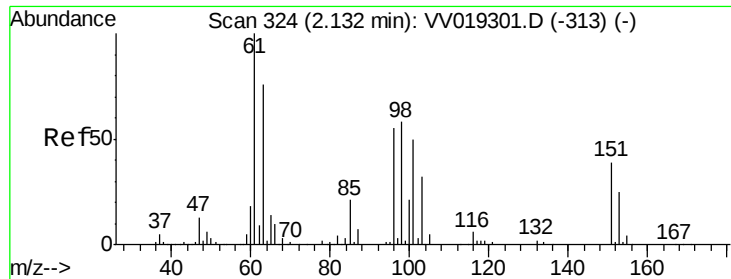


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.770 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV019304.D
 Acq: 09 Nov 2020 15:34

Tgt Ion:101 Resp: 1005
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.6 53.4#
 151 0.0 64.1 96.1#





#12

1,1-Dichloroethene

Concen: 0.737 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019304.D

Acq: 09 Nov 2020 15:34

Instrument :

MSVOA_V

ClientSampled :

VBLK320

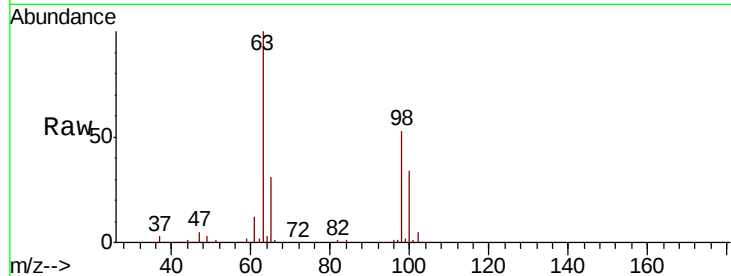
Tot Ion: 96 Resp: 994

Ion Ratio Lower Upper

96 100

61 1407.0 133.6 248.0#

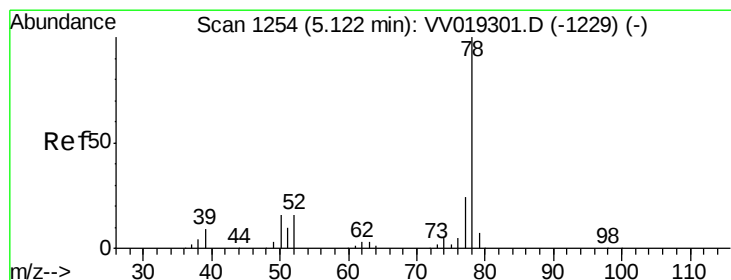
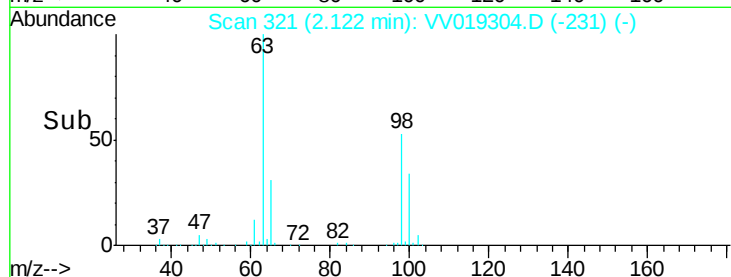
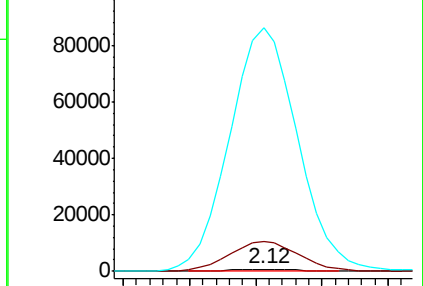
63 11380.7 103.0 191.2#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#33

Benzene

Concen: 0.434 ug/L

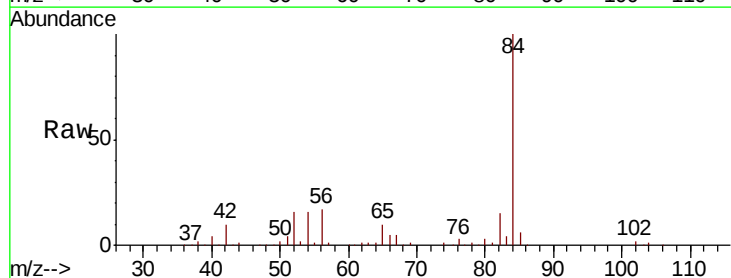
RT: 5.08 min Scan# 1242

Delta R.T. -0.04 min

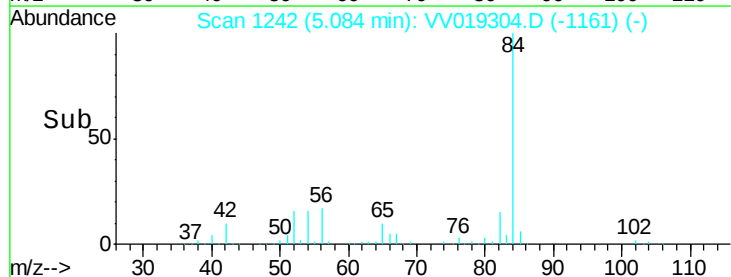
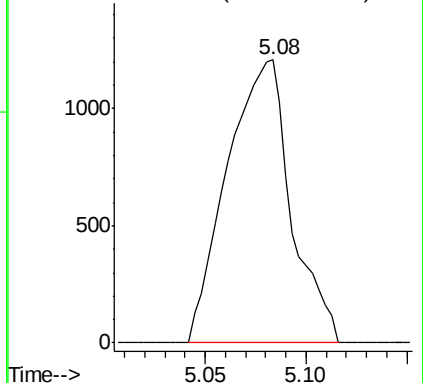
Lab File: VV019304.D

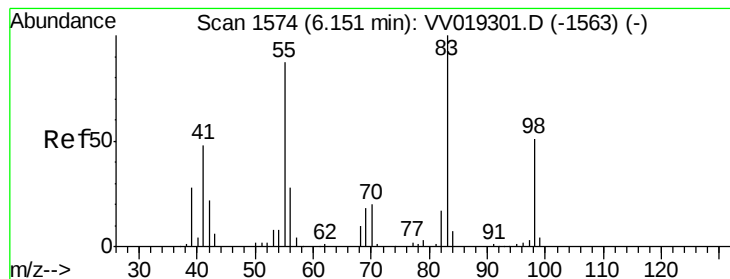
Acq: 09 Nov 2020 15:34

Tgt Ion: 78 Resp: 2674



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Methylcyclohexane

Concen: 12.329 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV019304.D

Acq: 09 Nov 2020 15:34

Instrument :

MSVOA_V

ClientSampleId :

VBLK320

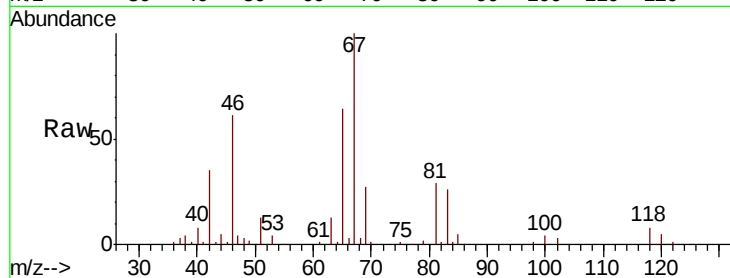
Tot Ion: 83 Resp: 24975

Ion Ratio Lower Upper

83 100

55 0.3 62.8 94.2#

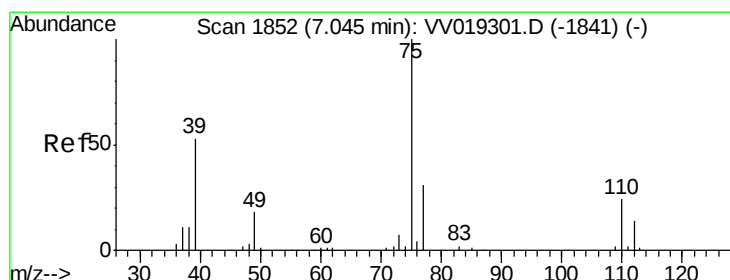
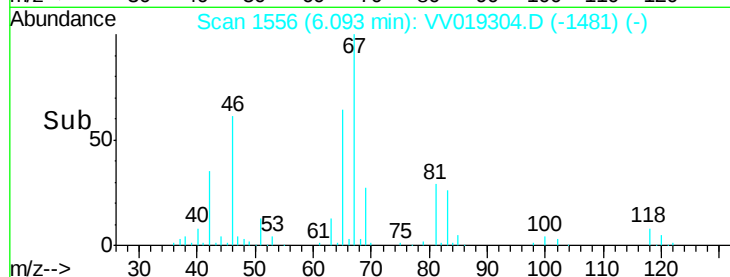
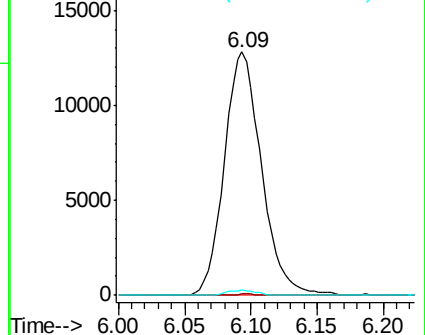
98 1.6 38.6 58.0#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.222 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV019304.D

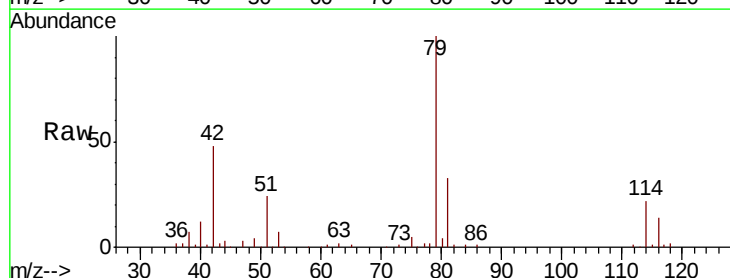
Acq: 09 Nov 2020 15:34

Tgt Ion: 75 Resp: 3213

Ion Ratio Lower Upper

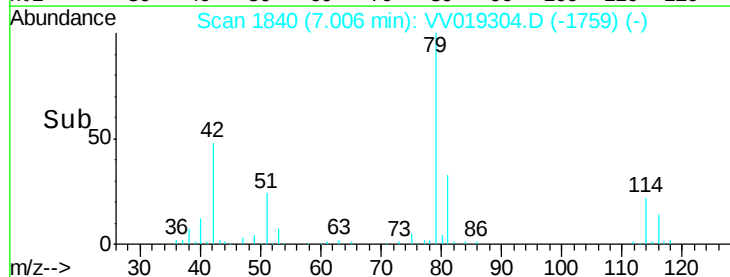
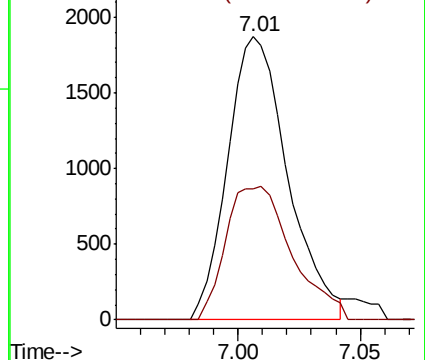
75 100

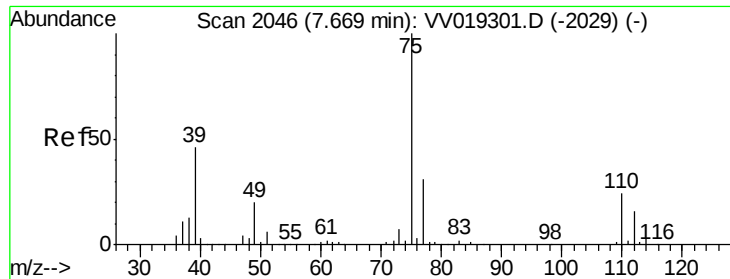
77 46.4 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.946 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV019304.D

Acq: 09 Nov 2020 15:34

Instrument :

MSVOA_V

ClientSampleId :

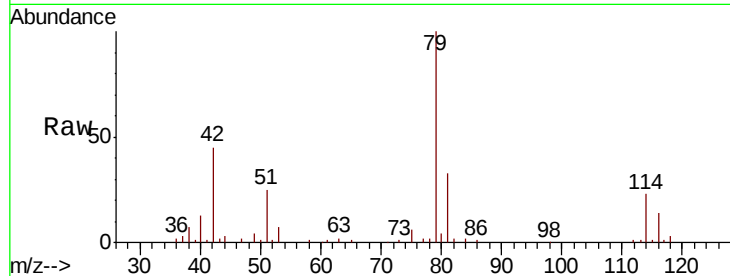
VLK320

Tot Ion: 75 Resp: 2549

Ion Ratio Lower Upper

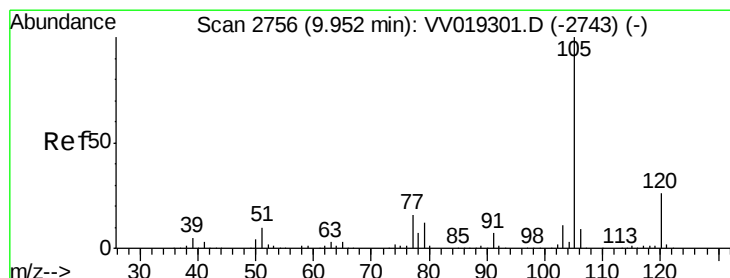
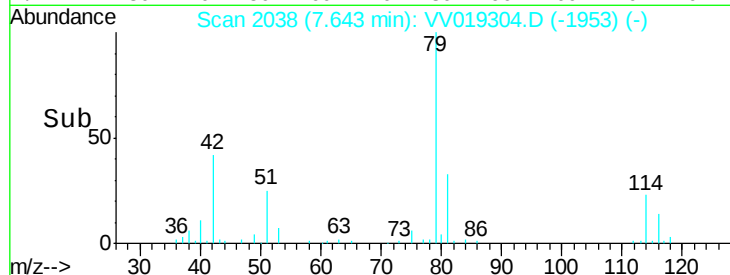
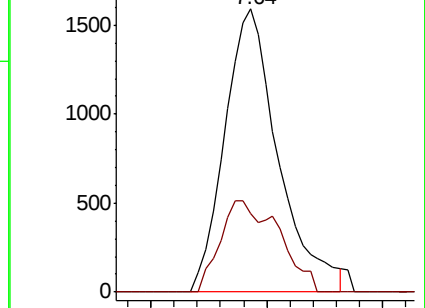
75 100

77 27.8 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#60

Isopropylbenzene

Concen: 0.046 ug/L

RT: 10.95 min Scan# 3066

Delta R.T. 1.00 min

Lab File: VV019304.D

Acq: 09 Nov 2020 15:34

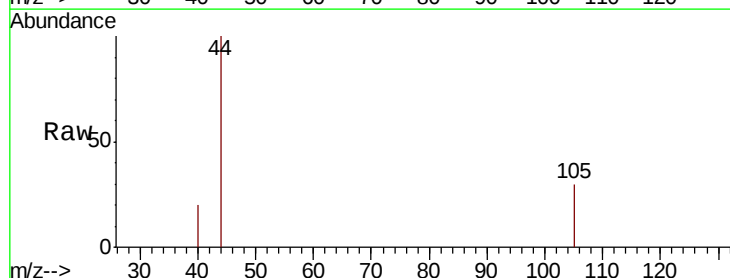
Tgt Ion: 105 Resp: 293

Ion Ratio Lower Upper

105 100

120 0.0 21.0 31.4#

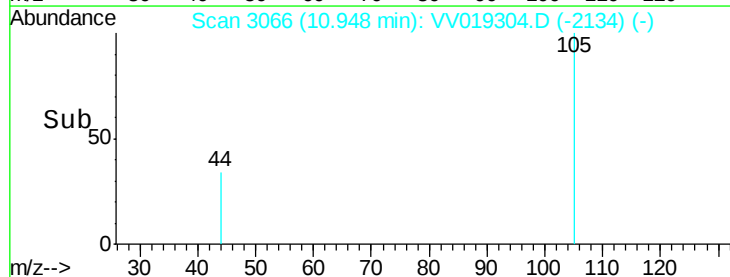
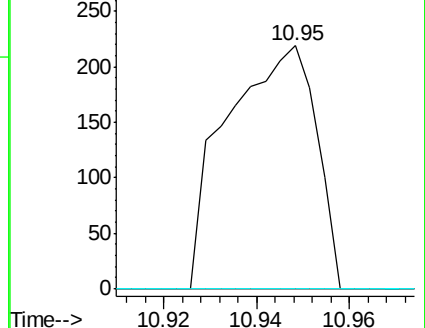
77 0.0 13.0 19.6#

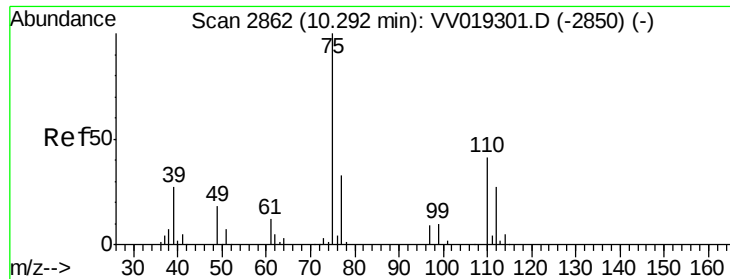


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#61

1,2,3-Trichloropropane

Concen: 7.352 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019304.D

Acq: 09 Nov 2020 15:34

Instrument :

MSVOA_V

ClientSampleId :

VBLK320

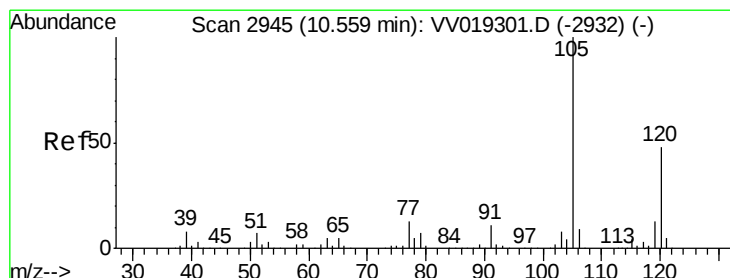
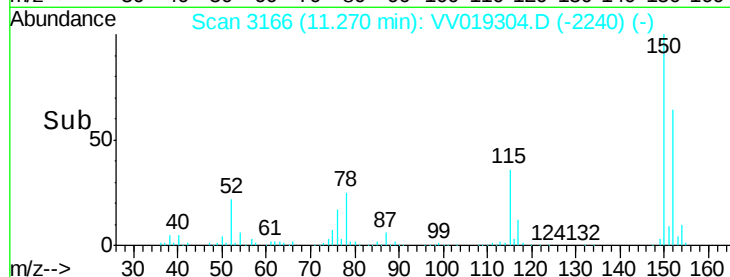
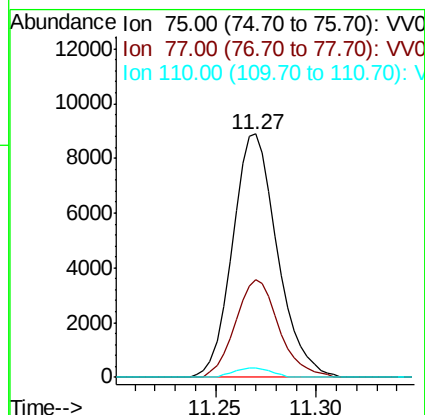
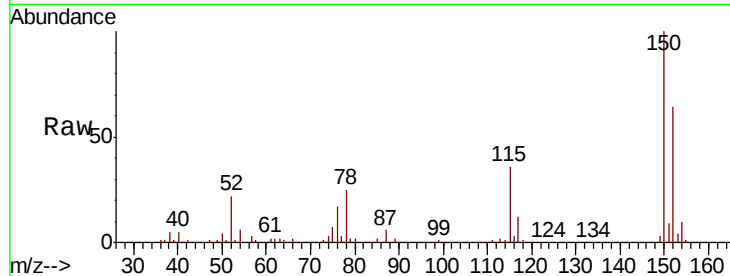
Tot Ion: 75 Resp: 13835

Ion Ratio Lower Upper

75 100

77 39.1 24.8 37.2#

110 3.3 33.4 50.2#



#62

1,3,5-Trimethylbenzene

Concen: 0.055 ug/L

RT: 10.95 min Scan# 3066

Delta R.T. 0.39 min

Lab File: VV019304.D

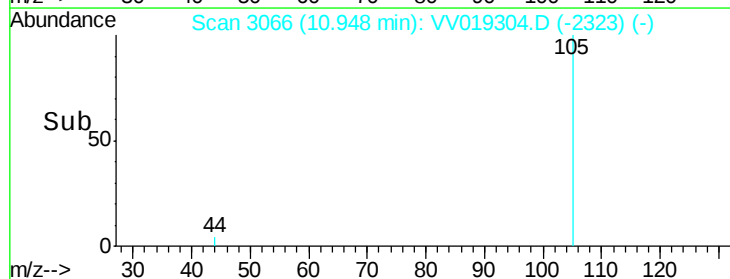
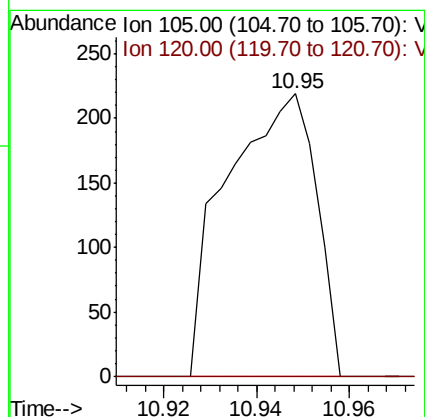
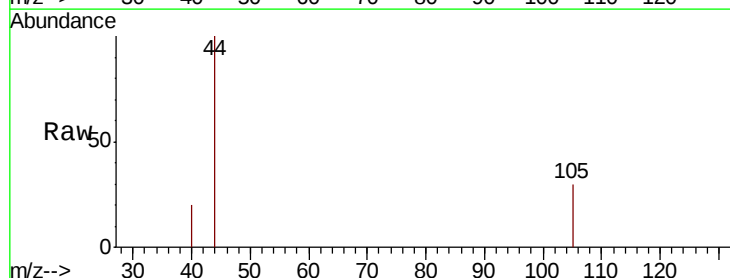
Acq: 09 Nov 2020 15:34

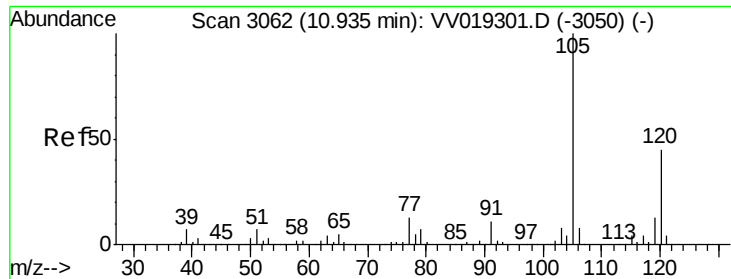
Tgt Ion: 105 Resp: 293

Ion Ratio Lower Upper

105 100

120 0.0 38.3 57.5#





#63

1,2,4-Trimethylbenzene

Concen: 0.057 ug/L

RT: 10.95 min Scan# 3066

Delta R.T. 0.01 min

Lab File: VV019304.D

Acq: 09 Nov 2020 15:34

Instrument :

MSVOA_V

ClientSampleId :

VBLK320

Tot Ion:105 Resp: 293

Ion Ratio Lower Upper

105 100

120 0.0 35.7 53.5#

