

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019217.D
 Acq On : 02 Nov 2020 23:19
 Operator : SY/MD
 Sample : VV1103MBL01
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK307

Quant Time: Nov 03 05:29:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 05:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	228625	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	220595	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	108561	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89647	50.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.62%
7) Chloroethane-d5	1.58	69	76852	55.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.18%
11) 1,1-Dichloroethene-d2	2.12	63	139574	42.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.46%
21) 2-Butanone-d5	3.91	46	103294	106.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.17%
24) Chloroform-d	4.38	84	166366	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
26) 1,2-Dichloroethane-d4	5.05	65	119167	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
32) Benzene-d6	5.07	84	318197	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.48%
36) 1,2-Dichloropropane-d6	6.09	67	96793	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.44%
41) Toluene-d8	7.34	98	292141	51.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.98%
43) trans-1,3-Dichloropropene-	7.64	79	52150	50.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.30%
47) 2-Hexanone-d5	8.11	63	72219	102.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.29%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	119512	49.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.64%
66) 1,2-Dichlorobenzene-d4	11.65	152	121861	56.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.22%

Target Compounds

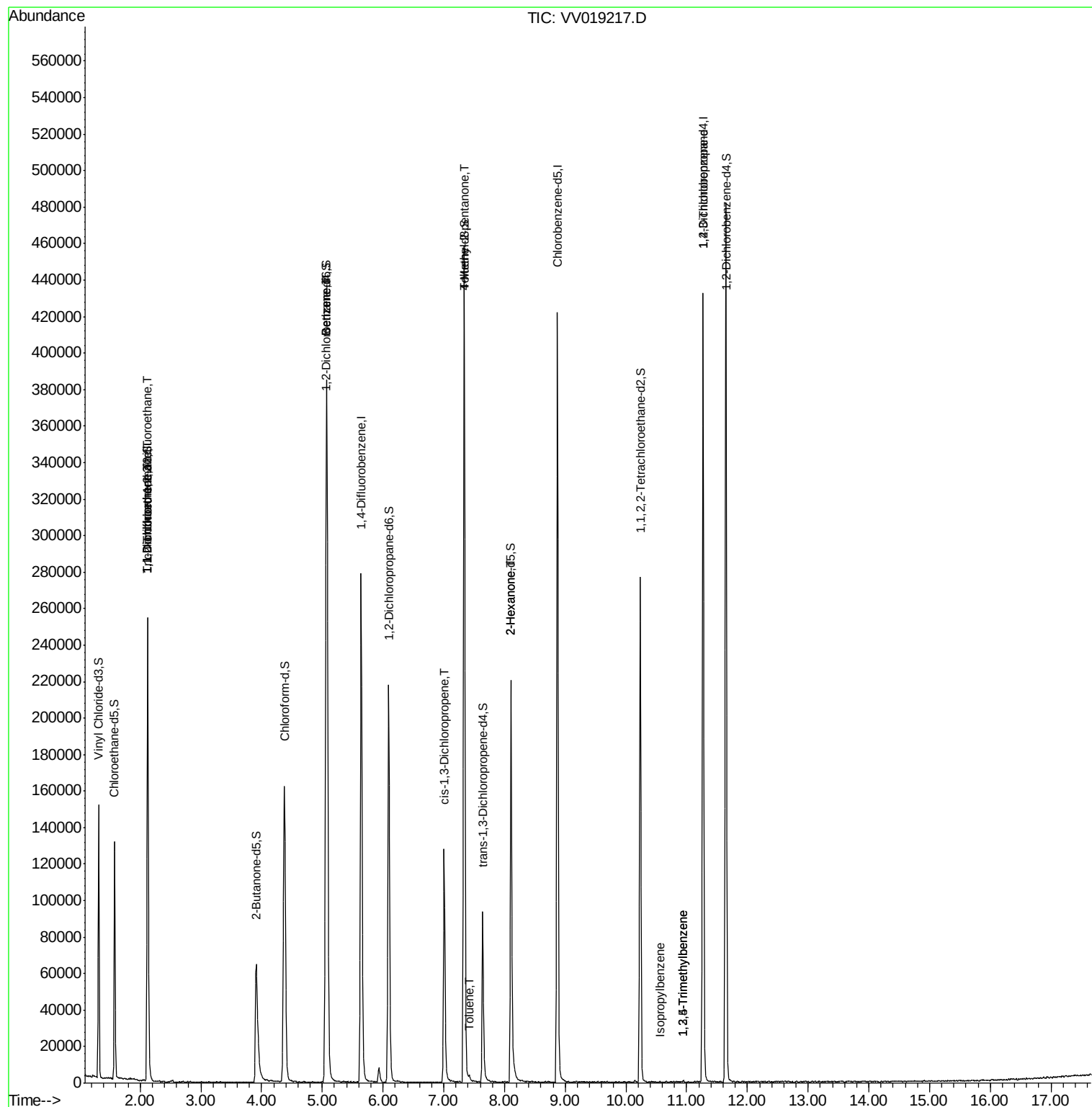
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.12	101	1209	0.481	ug/L #	36
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1209	1.012	ug/L #	17
12) 1,1-Dichloroethene	2.13	96	1099	0.890	ug/L #	1
33) Benzene	5.08	78	2759	0.503	ug/L	100
39) cis-1,3-Dichloropropene	7.00	75	3685	1.574	ug/L #	70
40) 4-Methyl-2-pentanone	7.33	43	1496	0.761	ug/L #	1
42) Toluene	7.42	91	2217	0.374	ug/L	95
48) 2-Hexanone	8.11	43	9722	6.542	ug/L #	69
60) Isopropylbenzene	10.57	105	202	0.036	ug/L #	79
61) 1,2,3-Trichloropropane	11.27	75	12101	7.175	ug/L #	56
62) 1,3,5-Trimethylbenzene	10.95	105	351	0.074	ug/L	97
63) 1,2,4-Trimethylbenzene	10.95	105	351	0.076	ug/L	91

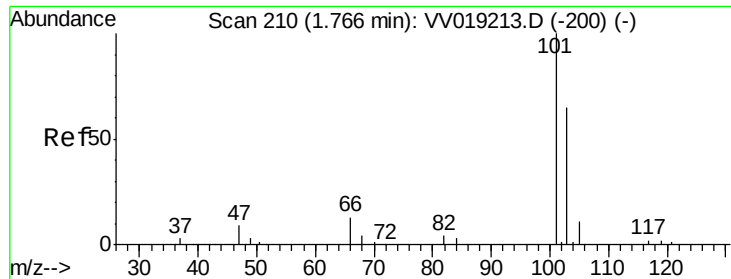
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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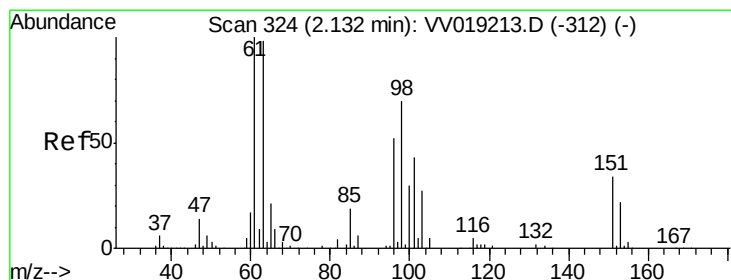
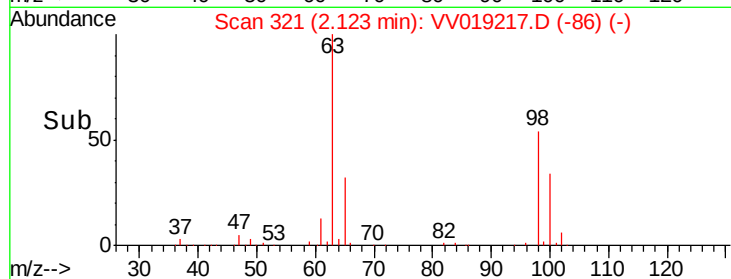
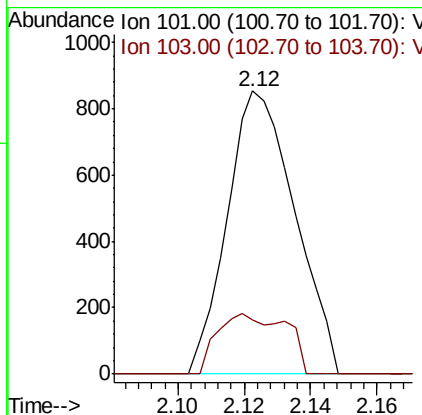
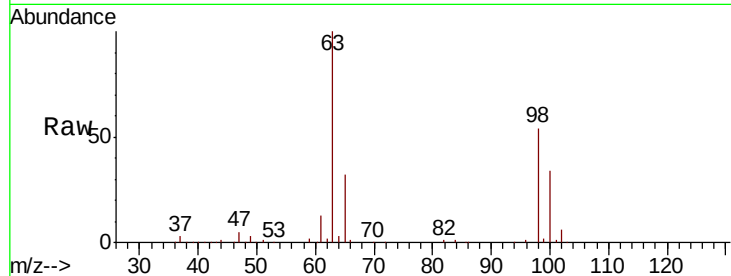


#9

Trichlorofluoromethane
Concen: 0.481 ug/L
RT: 2.12 min Scan# 321
Delta R.T. 0.36 min
Lab File: VV019217.D
Acq: 02 Nov 2020 23:19

Instrument :
MSVOA_V
ClientSampleId :
VBLK307

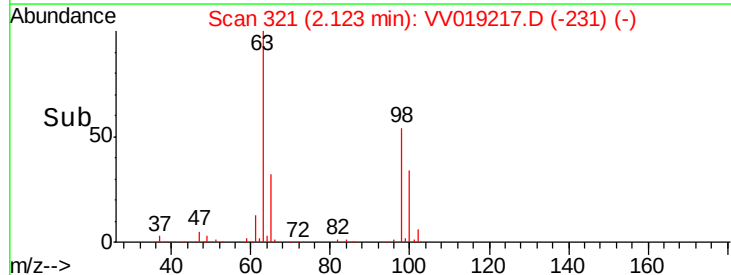
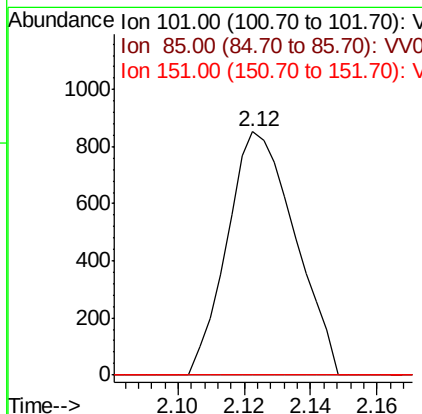
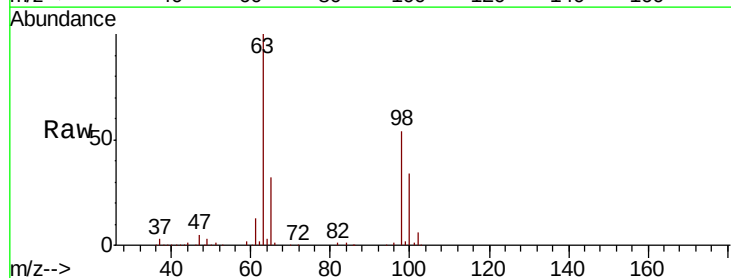
Tot Ion:101 Resp: 1209
Ion Ratio Lower Upper
101 100
103 14.5 52.3 78.5#

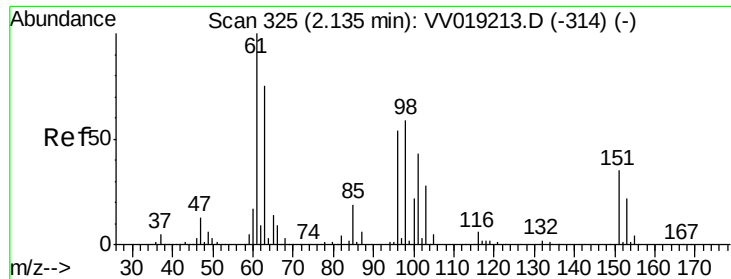


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.012 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV019217.D
Acq: 02 Nov 2020 23:19

Tgt Ion:101 Resp: 1209
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 64.1 96.1#

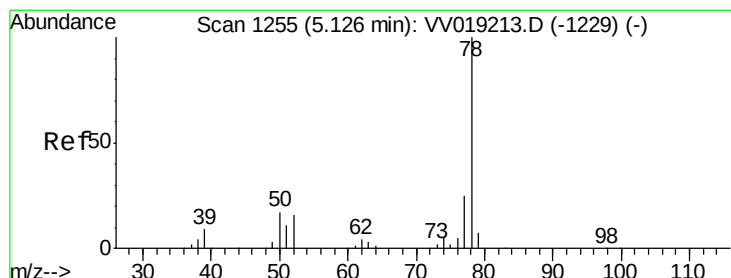
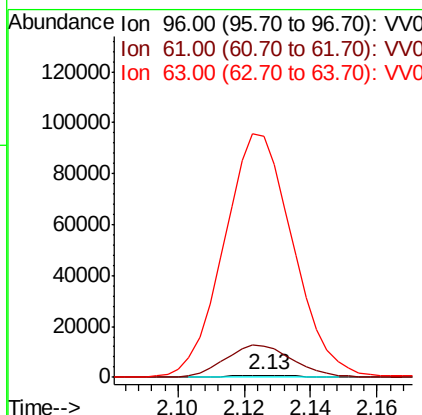
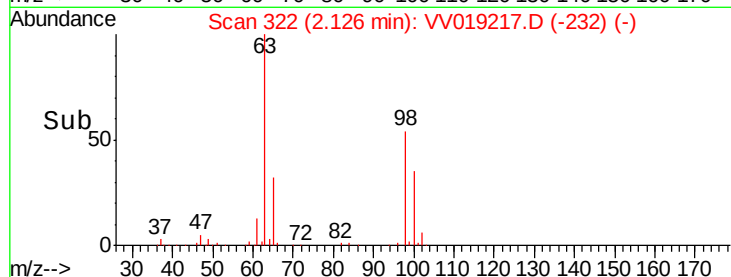
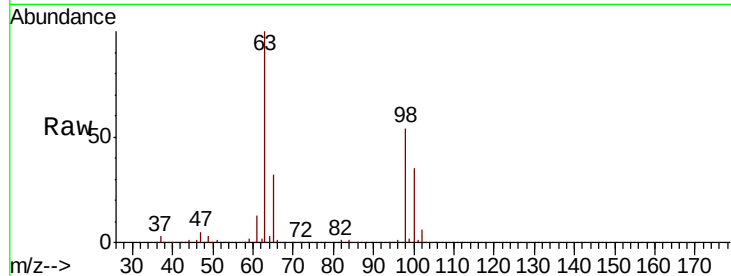




#12
 1,1-Dichloroethene
 Concen: 0.890 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV019217.D
 Acq: 02 Nov 2020 23:19

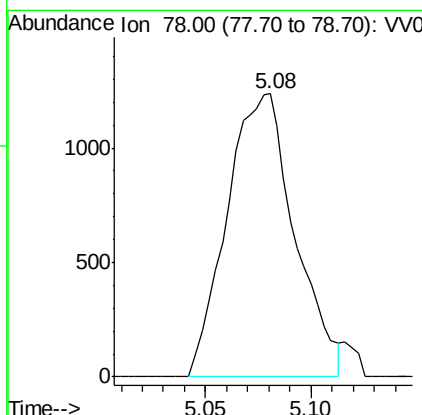
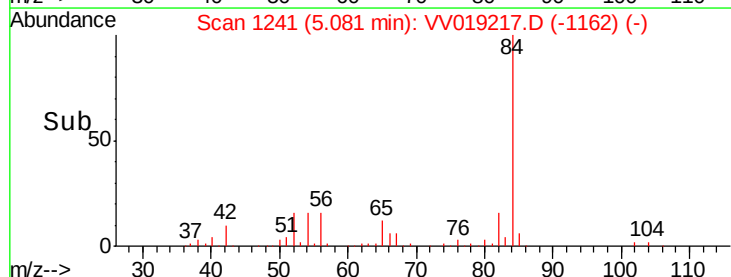
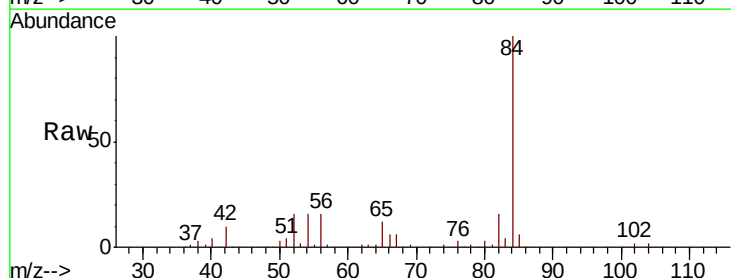
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK307

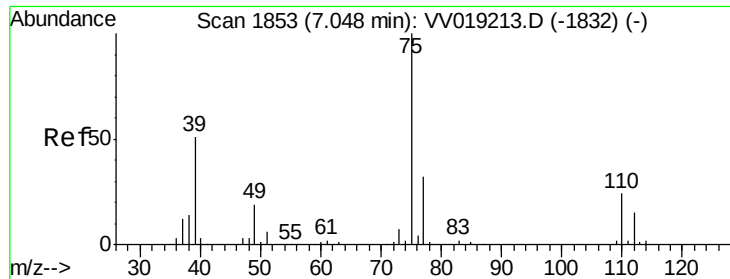
Tot Ion: 96 Resp: 1099
 Ion Ratio Lower Upper
 96 100
 61 1837.2 133.6 248.0#
 63 13983.5 103.0 191.2#



#33
 Benzene
 Concen: 0.503 ug/L
 RT: 5.08 min Scan# 1241
 Delta R.T. -0.05 min
 Lab File: VV019217.D
 Acq: 02 Nov 2020 23:19

Tgt Ion: 78 Resp: 2759

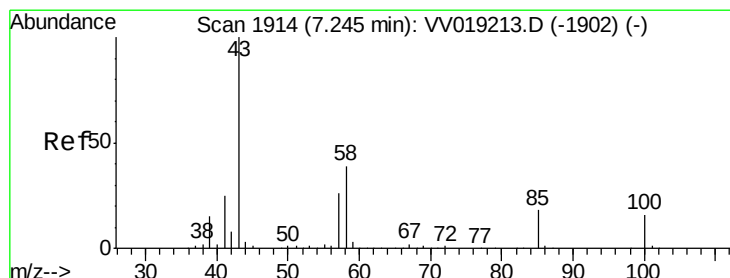
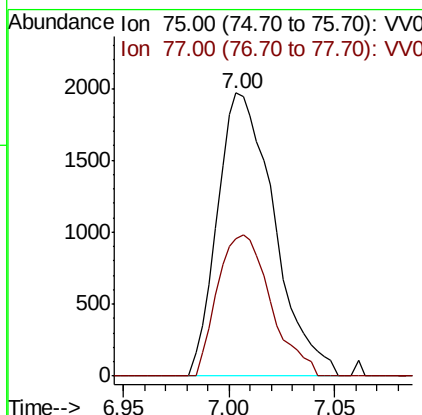
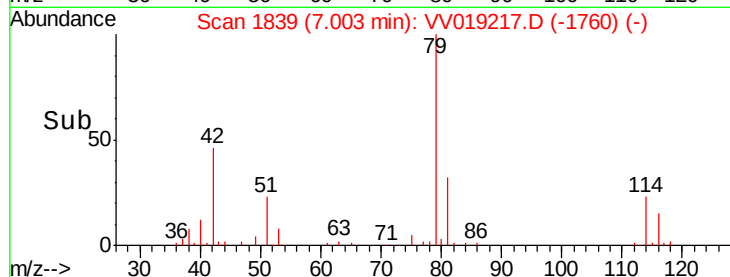
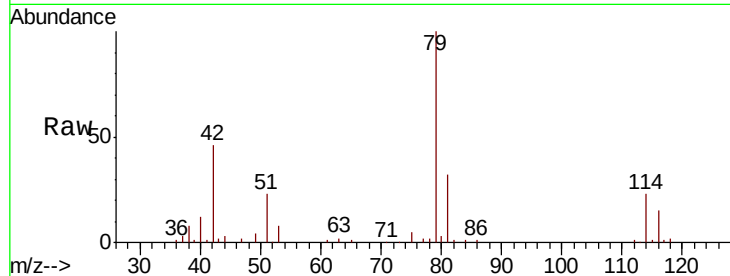




#39
 cis-1,3-Dichloropropene
 Concen: 1.574 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.05 min
 Lab File: VV019217.D
 Acq: 02 Nov 2020 23:19

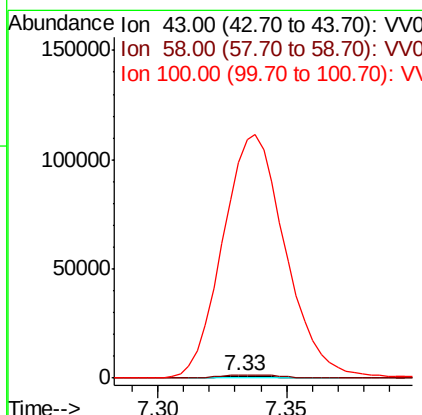
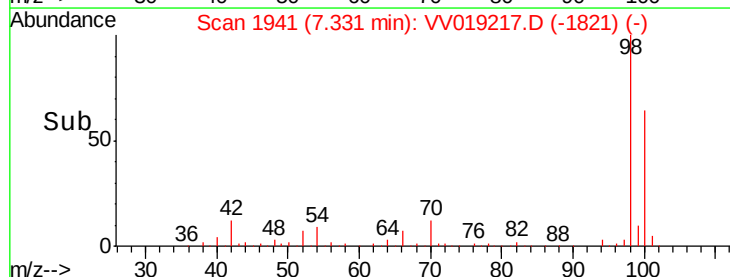
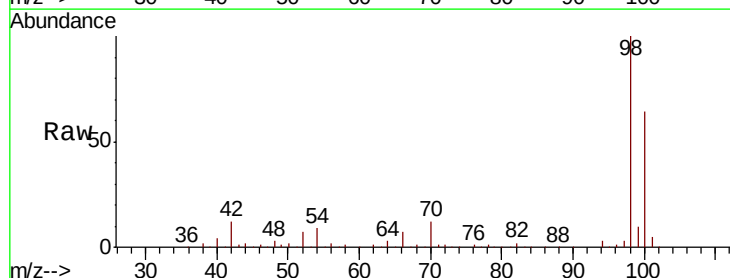
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK307

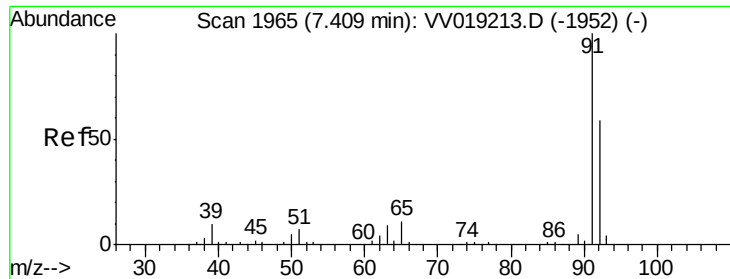
Tot Ion: 75 Resp: 3685
 Ion Ratio Lower Upper
 75 100
 77 48.3 22.2 41.2#



#40
 4-Methyl-2-pentanone
 Concen: 0.761 ug/L
 RT: 7.33 min Scan# 1941
 Delta R.T. 0.09 min
 Lab File: VV019217.D
 Acq: 02 Nov 2020 23:19

Tgt Ion: 43 Resp: 1496
 Ion Ratio Lower Upper
 43 100
 58 158.5 30.5 45.7#
 100 12770.9 12.7 19.1#





#42

Toluene

Concen: 0.374 ug/L

RT: 7.42 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VV019217.D

Acq: 02 Nov 2020 23:19

Instrument :

MSVOA_V

ClientSampleId :

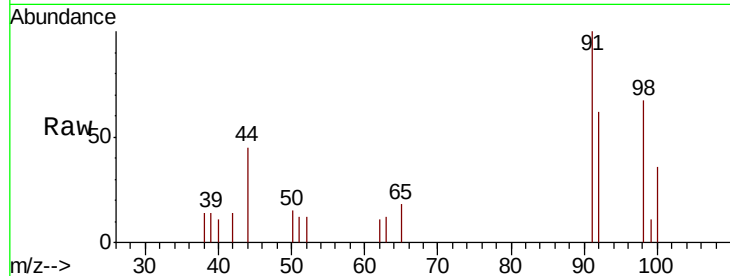
VBLK307

Tot Ion: 91 Resp: 2217

Ion Ratio Lower Upper

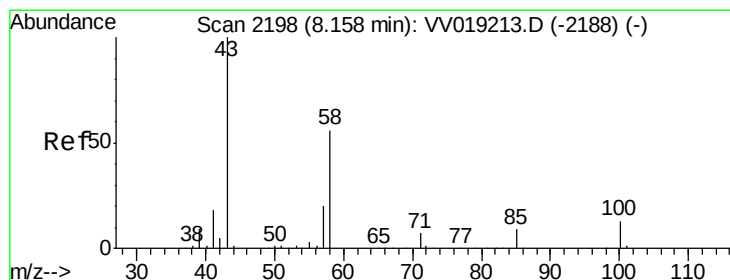
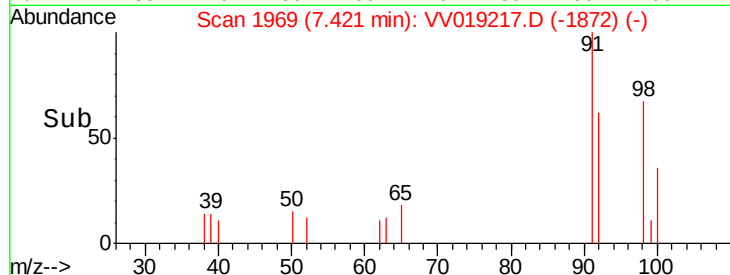
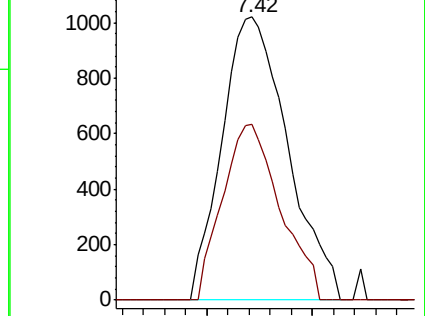
91 100

92 61.9 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV019213.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV019217.D (-1872) (-)



#48

2-Hexanone

Concen: 6.542 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV019217.D

Acq: 02 Nov 2020 23:19

Tgt Ion: 43 Resp: 9722

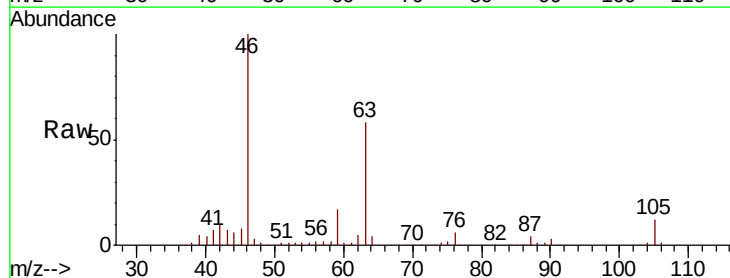
Ion Ratio Lower Upper

43 100

58 25.9 42.6 63.8#

57 23.4 15.8 23.8

100 0.0 10.4 15.6#

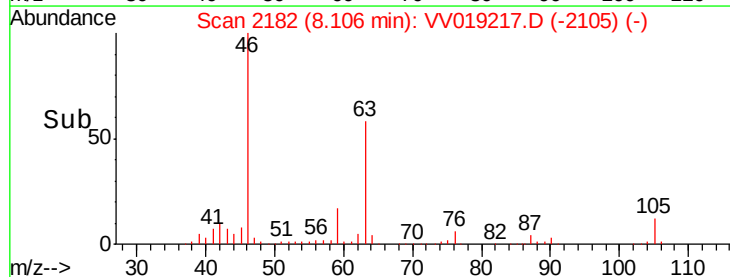
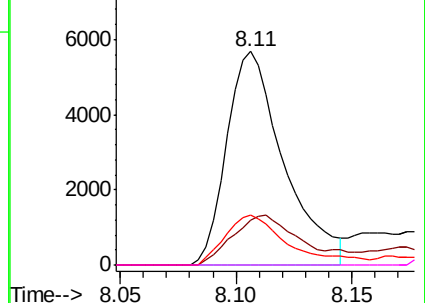


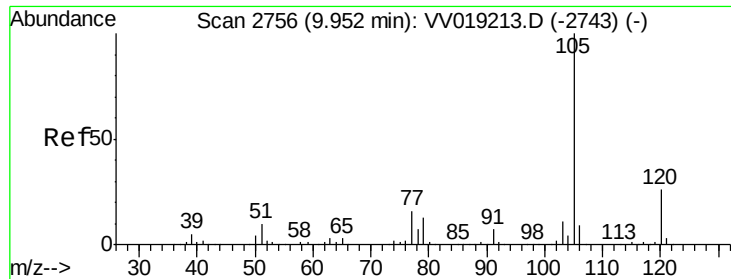
Abundance Ion 43.00 (42.70 to 43.70): VV019213.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV019217.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV019217.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV019217.D (-2105) (-)





#60

Isopropylbenzene

Concen: 0.036 ug/L

RT: 10.57 min Scan# 2948

Delta R.T. 0.62 min

Lab File: VV019217.D

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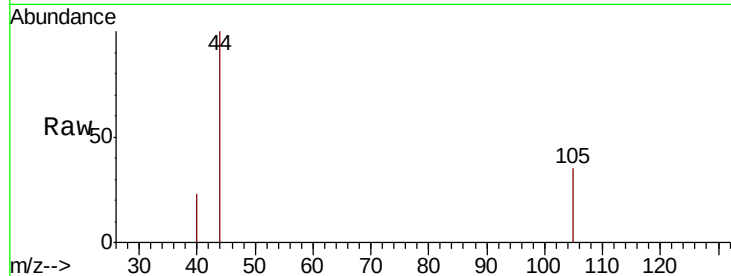
Tot Ion:105 Resp: 202

Ion Ratio Lower Upper

105 100

120 31.7 21.0 31.4#

77 0.0 13.0 19.6#

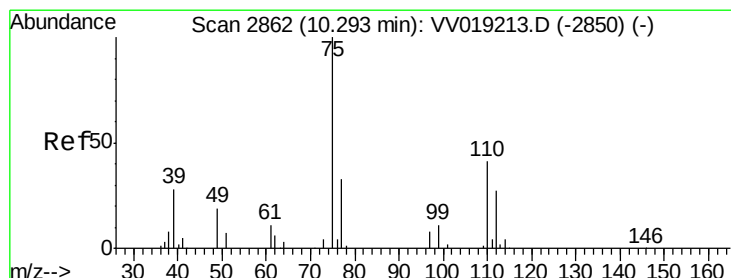
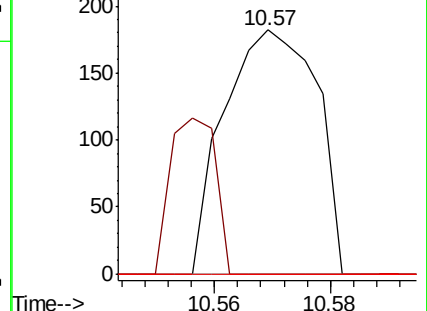
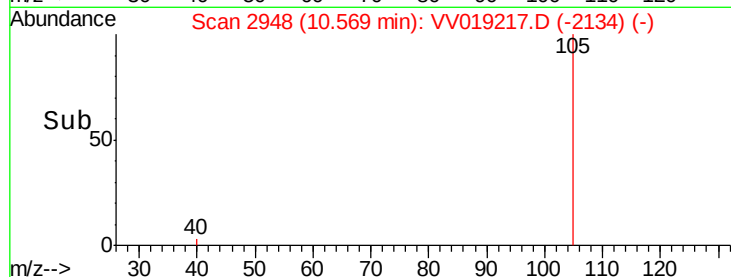


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



#61

1,2,3-Trichloropropane

Concen: 7.175 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV019217.D

Acq: 02 Nov 2020 23:19

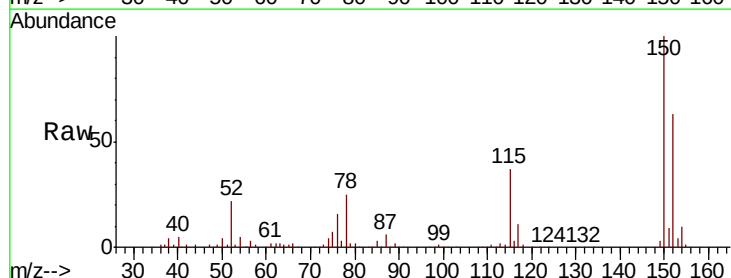
Tgt Ion: 75 Resp: 12101

Ion Ratio Lower Upper

75 100

77 40.6 24.8 37.2#

110 1.7 33.4 50.2#

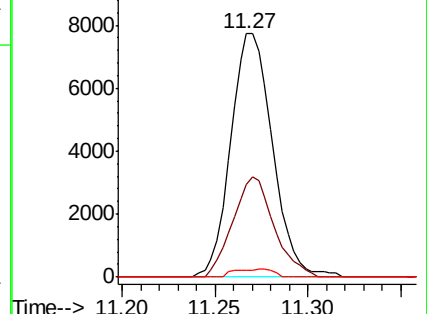
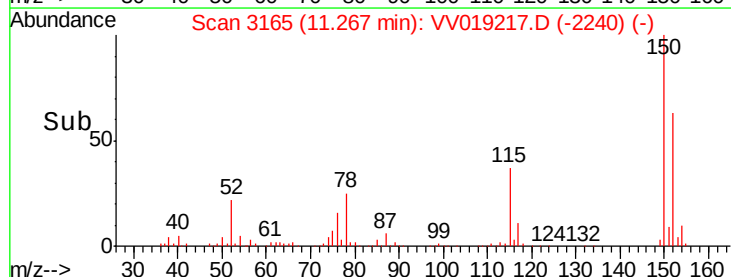


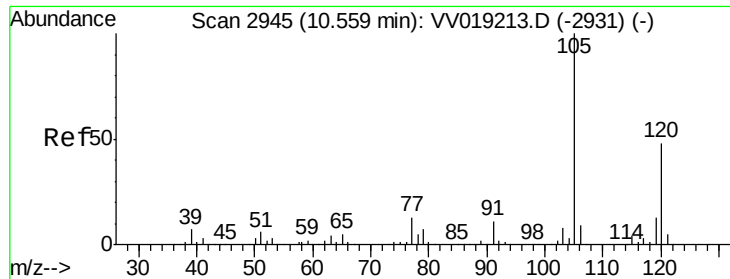
Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

Time-->

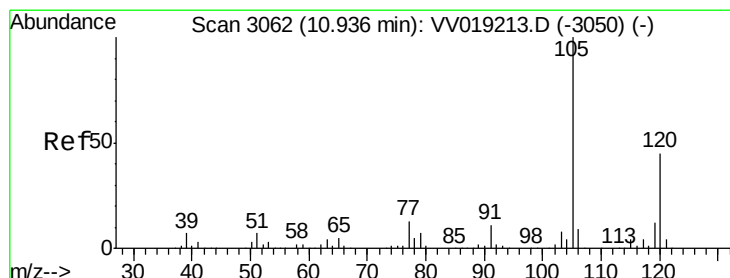
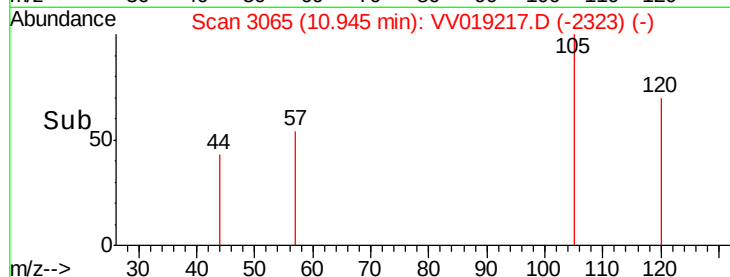
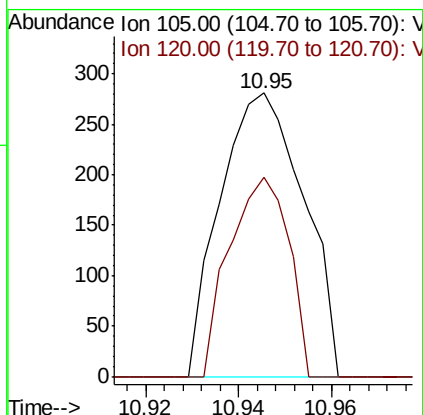
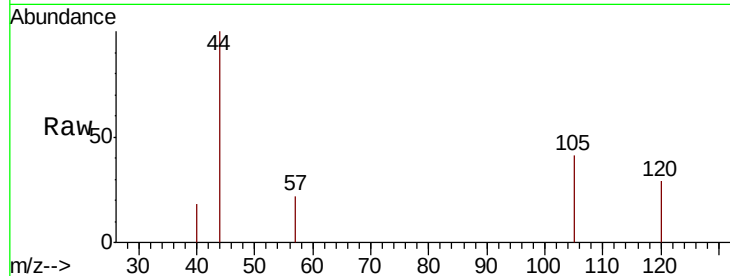




#62
 1,3,5-Trimethylbenzene
 Concen: 0.074 ug/L
 RT: 10.95 min Scan# 3065
 Delta R.T. 0.39 min
 Lab File: VV019217.D
 Acq: 02 Nov 2020 23:19

Instrument :
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 ClientSampleId :
 VBLK307

Tot Ion:105 Resp: 351
 Ion Ratio Lower Upper
 105 100
 120 50.1 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.076 ug/L
 RT: 10.95 min Scan# 3065
 Delta R.T. 0.01 min
 Lab File: VV019217.D
 Acq: 02 Nov 2020 23:19

Tgt Ion:105 Resp: 351
 Ion Ratio Lower Upper
 105 100
 120 50.1 35.7 53.5

