

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110420\
 Data File : VV019232.D
 Acq On : 03 Nov 2020 13:13
 Operator : SY/MD
 Sample : VV1104WBL02
 Misc : 5.1mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK313

Quant Time: Nov 04 07:13:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 07:03:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	236658	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	227816	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	116462	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	82700	45.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.56%
7) Chloroethane-d5	1.58	69	70849	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.12	63	132335	39.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.28%
21) 2-Butanone-d5	3.90	46	104505	103.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.77%
24) Chloroform-d	4.37	84	162771	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
26) 1,2-Dichloroethane-d4	5.05	65	114336	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.00%
32) Benzene-d6	5.07	84	309826	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.50%
36) 1,2-Dichloropropane-d6	6.09	67	95145	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.32%
41) Toluene-d8	7.33	98	284464	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%
43) trans-1,3-Dichloropropene-	7.64	79	50882	47.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.70%
47) 2-Hexanone-d5	8.11	63	67077	91.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.99%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	113651	45.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.82%
66) 1,2-Dichlorobenzene-d4	11.65	152	117577	50.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.92%

Target Compounds

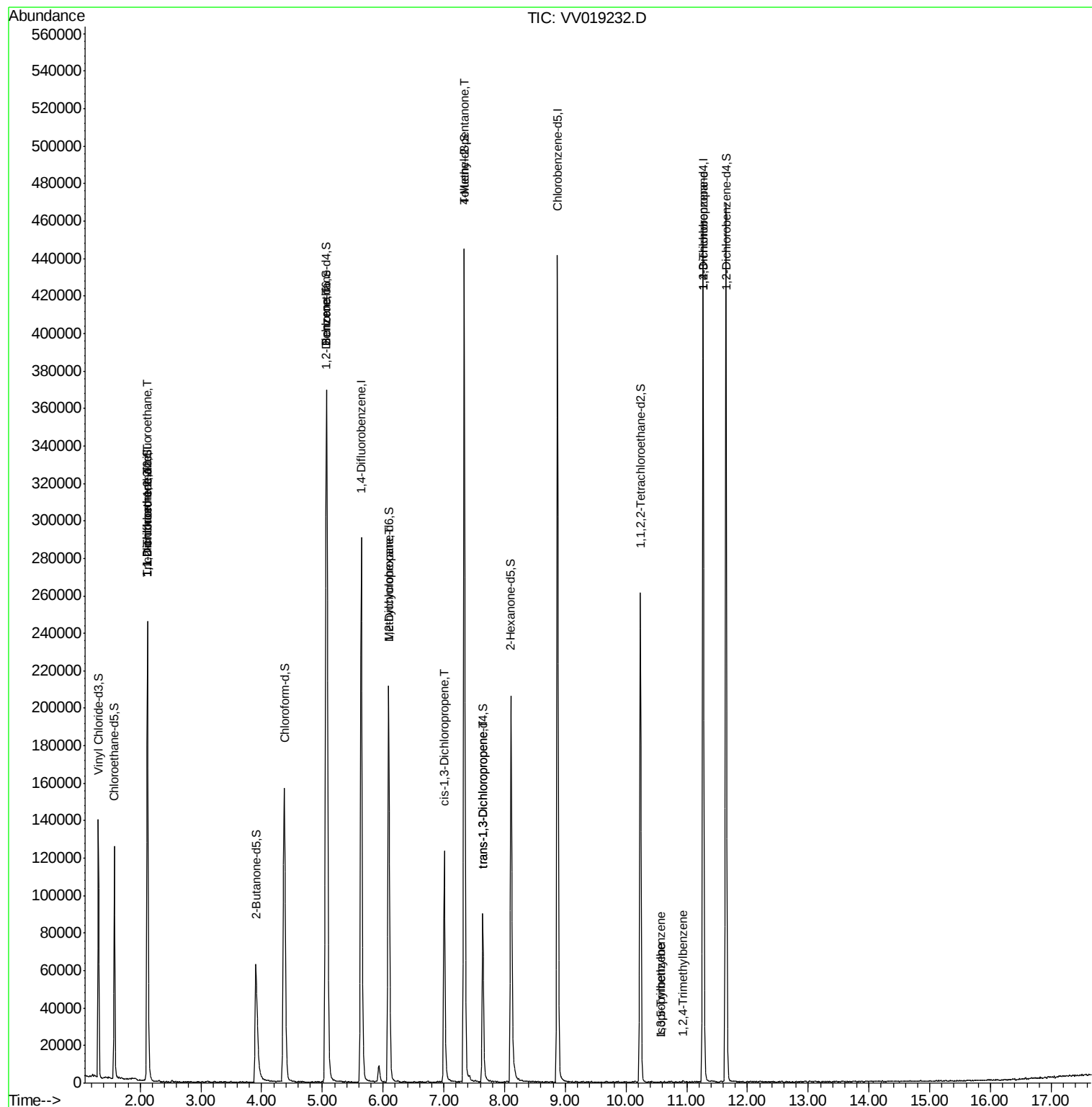
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.12	101	1116	0.429	ug/L #	33
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1116	0.903	ug/L #	17
12) 1,1-Dichloroethene	2.12	96	1065	0.834	ug/L #	1
33) Benzene	5.07	78	2514	0.444	ug/L	100
35) Methylcyclohexane	6.09	83	24478	13.144	ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	3411	1.411	ug/L #	73
40) 4-Methyl-2-pentanone	7.33	43	1556	0.767	ug/L #	1
44) trans-1,3-Dichloropropene	7.64	75	2515	1.015	ug/L	95
60) Isopropylbenzene	10.57	105	70	0.011	ug/L #	54
61) 1,2,3-Trichloropropane	11.27	75	12139	6.709	ug/L #	56
62) 1,3,5-Trimethylbenzene	10.57	105	70	0.014	ug/L #	29
63) 1,2,4-Trimethylbenzene	10.95	105	298	0.060	ug/L #	69

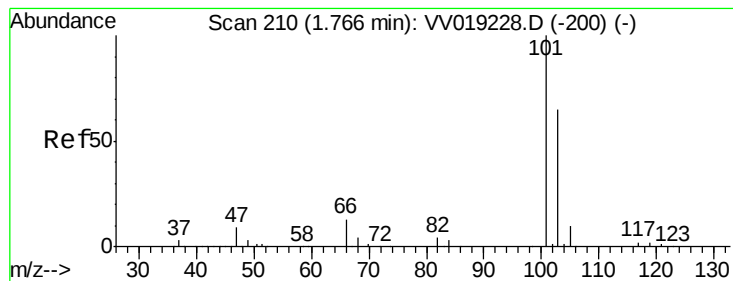
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 07:03:57 2020
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.429 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.36 min

Lab File: VV019232.D

Acq: 03 Nov 2020 13:13

Instrument :

MSVOA_V

ClientSampleId :

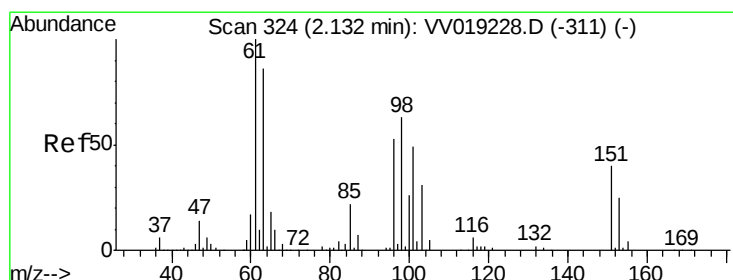
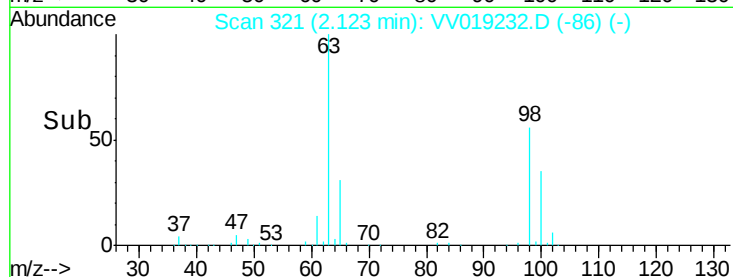
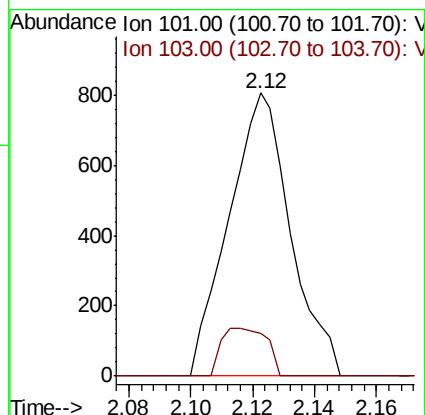
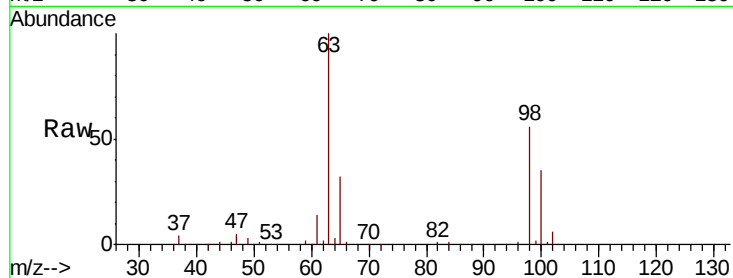
VBLK313

Tot Ion:101 Resp: 1116

Ion Ratio Lower Upper

101 100

103 12.6 52.3 78.5#



#10

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

Concen: 0.903 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019232.D

Acq: 03 Nov 2020 13:13

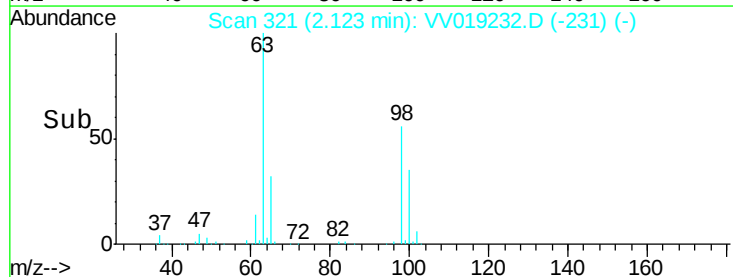
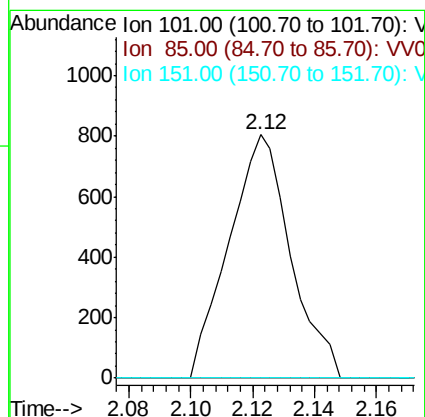
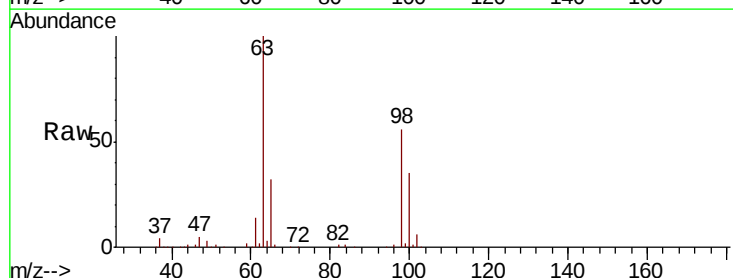
Tgt Ion:101 Resp: 1116

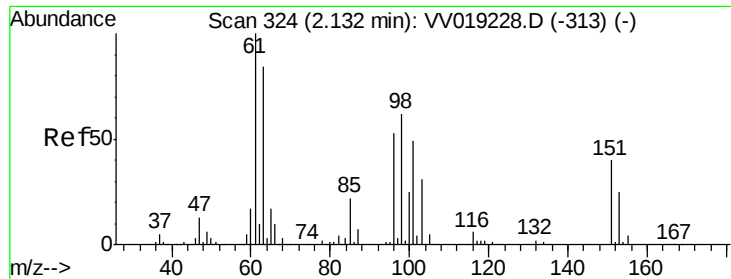
Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

151 0.0 64.1 96.1#





#12

1,1-Dichloroethene

Concen: 0.834 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019232.D

Acq: 03 Nov 2020 13:13

Instrument :

MSVOA_V

ClientSampleId :

VBLK313

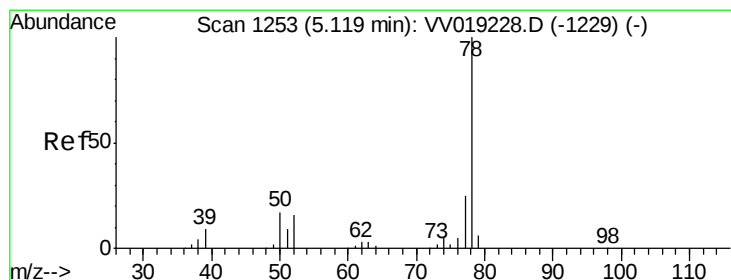
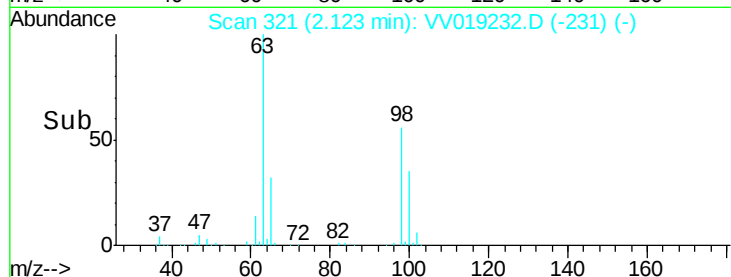
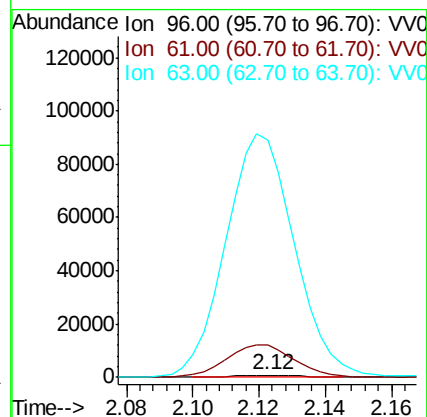
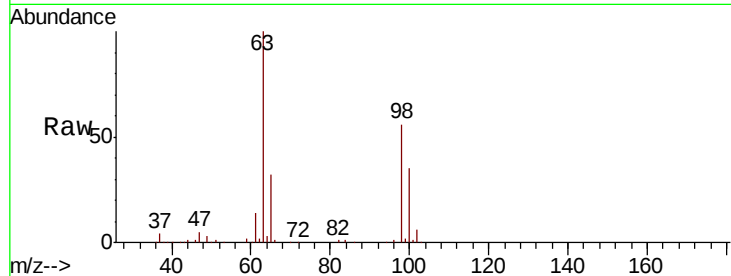
Tot Ion: 96 Resp: 1065

Ion Ratio Lower Upper

96 100

61 1584.0 133.6 248.0#

63 11675.2 103.0 191.2#



#33

Benzene

Concen: 0.444 ug/L

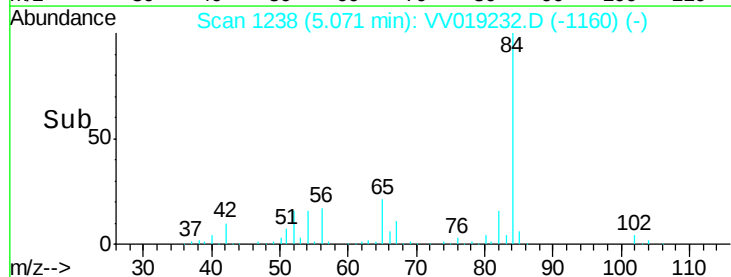
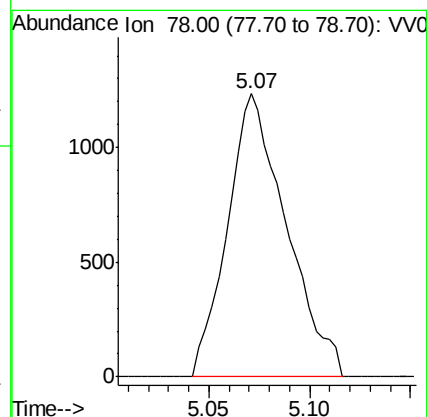
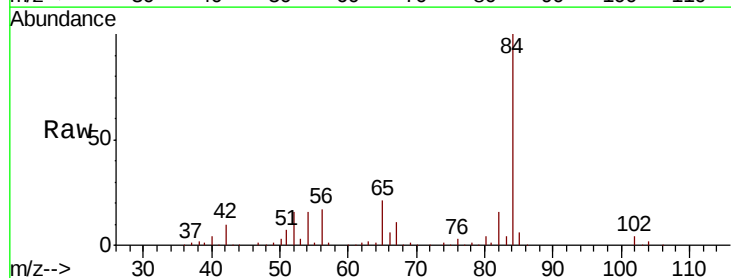
RT: 5.07 min Scan# 1238

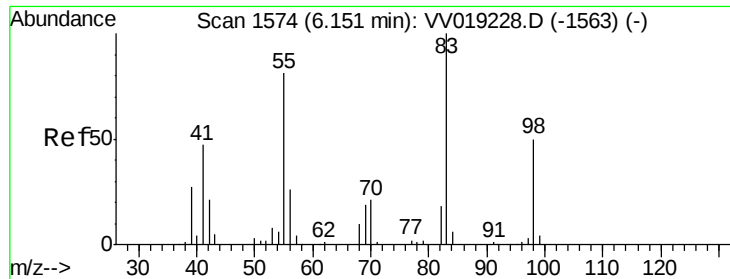
Delta R.T. -0.05 min

Lab File: VV019232.D

Acq: 03 Nov 2020 13:13

Tgt Ion: 78 Resp: 2514

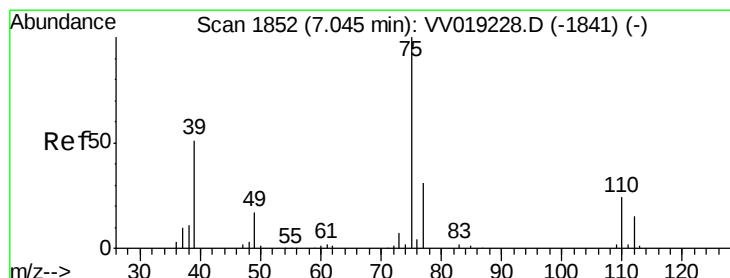
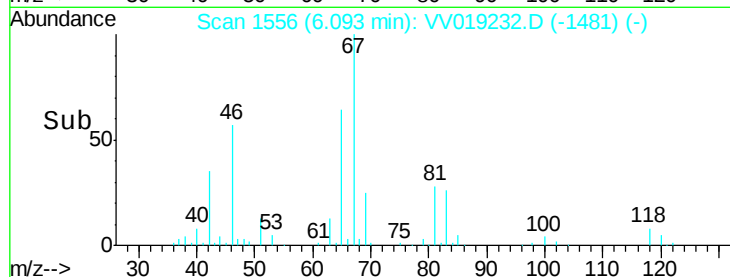
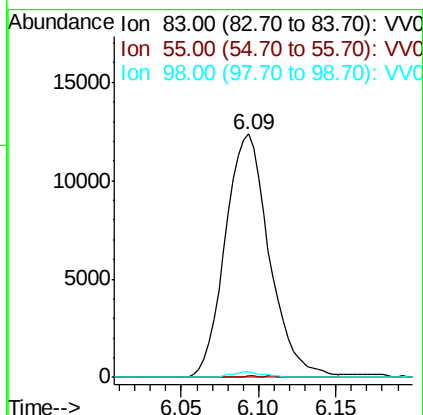
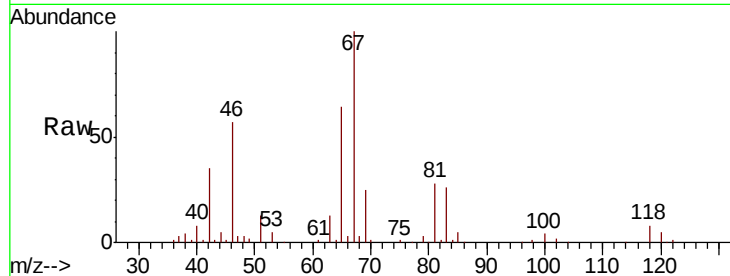




#35
Methvlcvclohexane
Concen: 13.144 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV019232.D
Acq: 03 Nov 2020 13:13

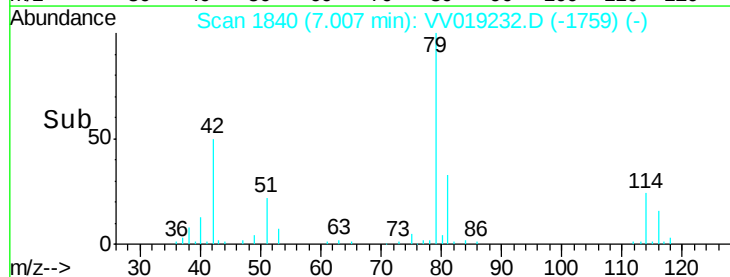
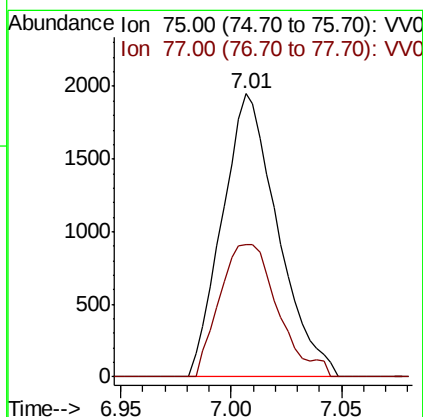
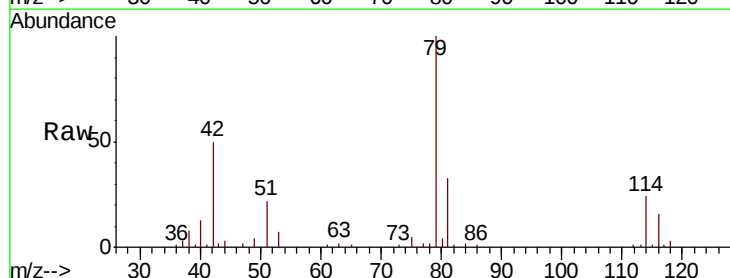
Instrument :
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VBLK313

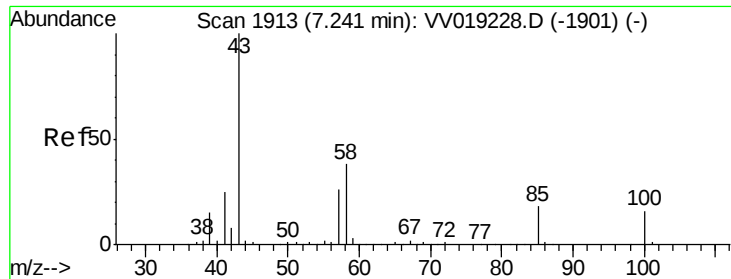
Tot Ion: 83 Resp: 24478
Ion Ratio Lower Upper
83 100
55 0.2 62.8 94.2#
98 1.6 38.6 58.0#



#39
cis-1,3-Dichloropropene
Concen: 1.411 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV019232.D
Acq: 03 Nov 2020 13:13

Tgt Ion: 75 Resp: 3411
Ion Ratio Lower Upper
75 100
77 46.8 22.2 41.2#

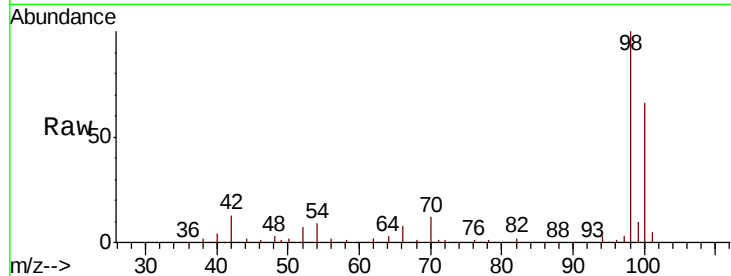




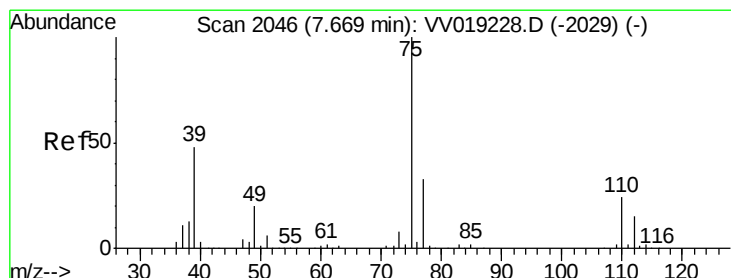
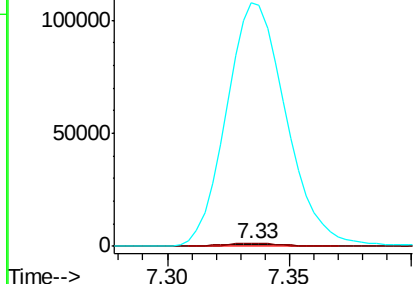
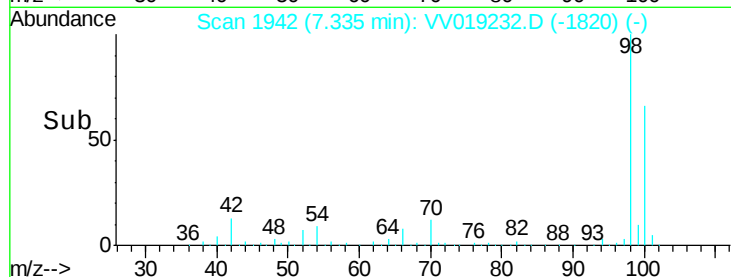
#40
4-Methyl-2-pentanone
Concen: 0.767 ug/L
RT: 7.33 min Scan# 1942
Delta R.T. 0.09 min
Lab File: VV019232.D
Acq: 03 Nov 2020 13:13

Instrument :
MSVOA_V
ClientSampled :
VBLK313

Tot Ion: 43 Resp: 1556
Ion Ratio Lower Upper
43 100
58 149.4 30.5 45.7#
100 11880.5 12.7 19.1#

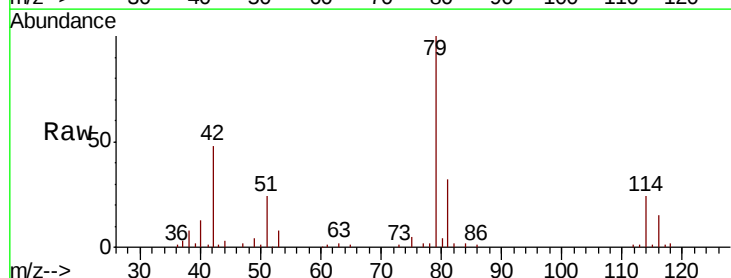


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

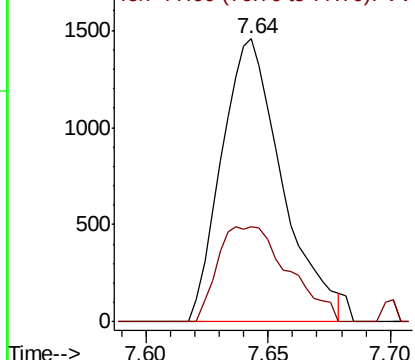
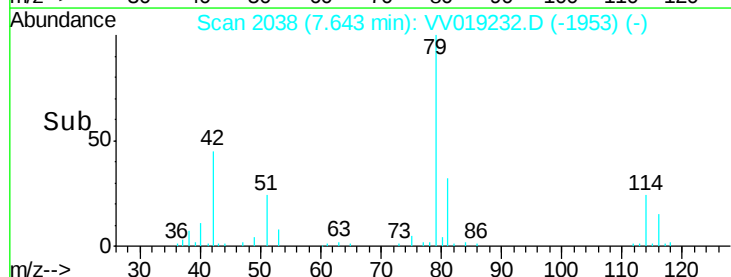


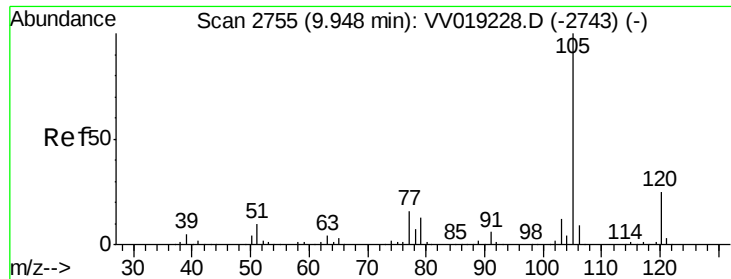
#44
trans-1,3-Dichloropropene
Concen: 1.015 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV019232.D
Acq: 03 Nov 2020 13:13

Tgt Ion: 75 Resp: 2515
Ion Ratio Lower Upper
75 100
77 33.4 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: 0.011 ug/L

RT: 10.57 min Scan# 2949

Delta R.T. 0.62 min

Lab File: VV019232.D

Acq: 03 Nov 2020 13:13

Instrument :

MSVOA_V

ClientSampleId :

VBLK313

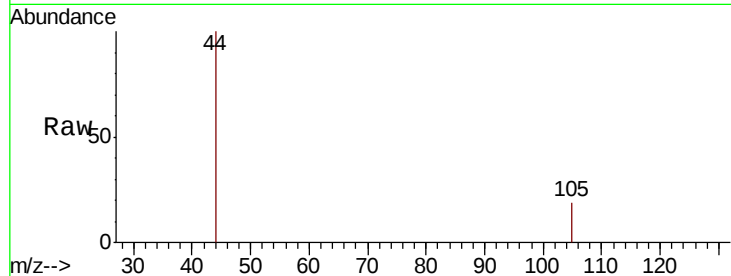
Tot Ion: 105 Resp: 70

Ion Ratio Lower Upper

105 100

120 0.0 21.0 31.4#

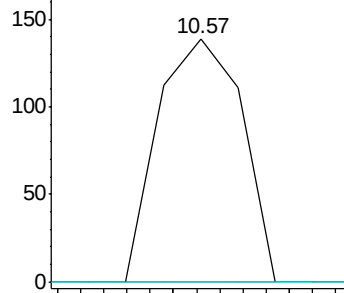
77 0.0 13.0 19.6#



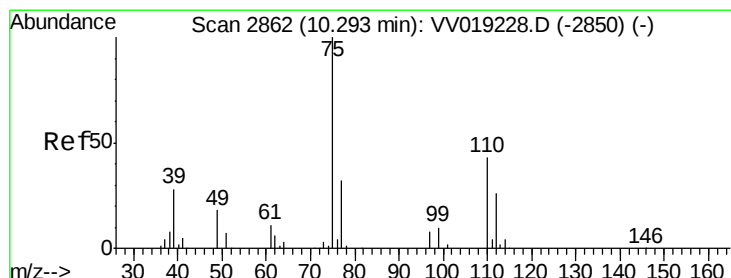
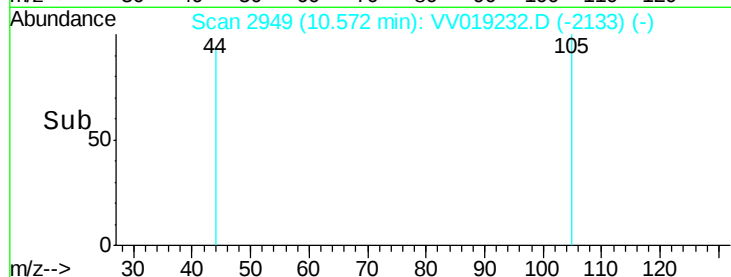
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time--> 10.56 10.57 10.58



#61

1,2,3-Trichloropropane

Concen: 6.709 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019232.D

Acq: 03 Nov 2020 13:13

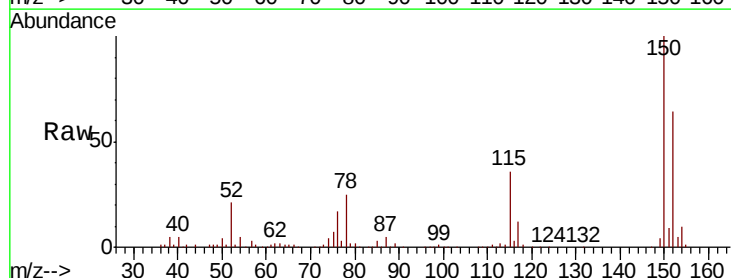
Tgt Ion: 75 Resp: 12139

Ion Ratio Lower Upper

75 100

77 42.6 24.8 37.2#

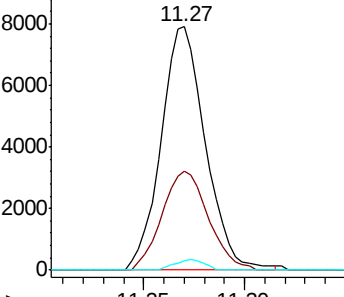
110 2.9 33.4 50.2#



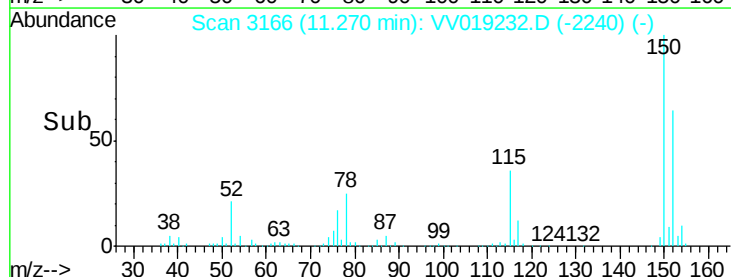
Abundance Ion 75.00 (74.70 to 75.70): VV0

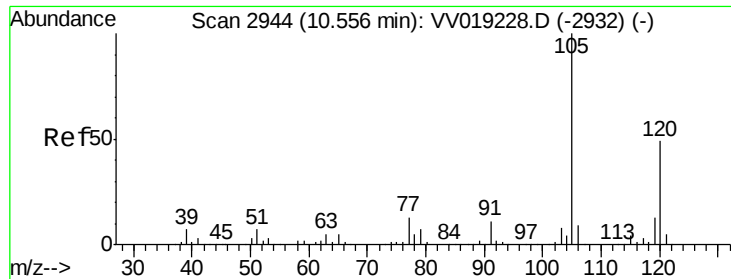
Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V



Time--> 11.25 11.30

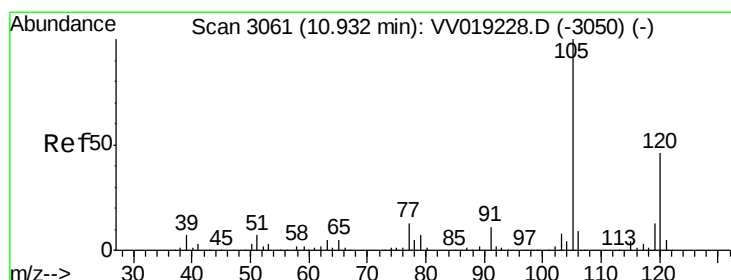
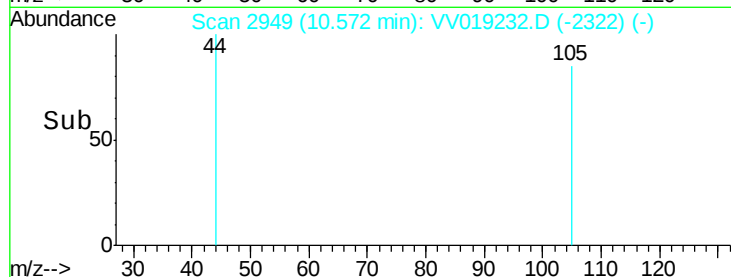
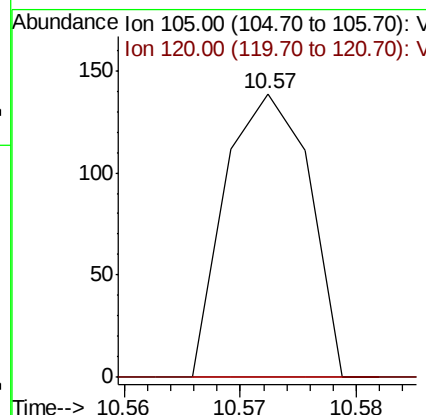
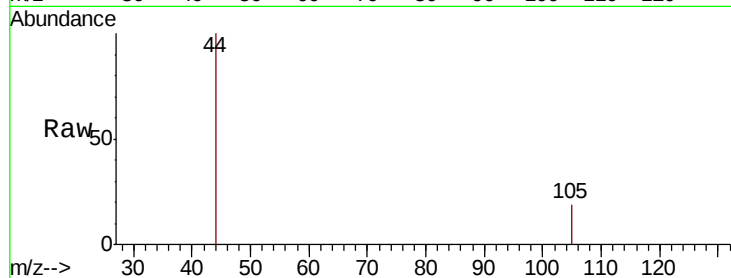




#62
 1,3,5-Trimethylbenzene
 Concen: 0.014 ug/L
 RT: 10.57 min Scan# 2949
 Delta R.T. 0.02 min
 Lab File: VV019232.D
 Acq: 03 Nov 2020 13:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK313

Tot Ion:105 Resp: 70
 Ion Ratio Lower Upper
 105 100
 120 0.0 38.3 57.5#



#63
 1,2,4-Trimethylbenzene
 Concen: 0.060 ug/L
 RT: 10.95 min Scan# 3065
 Delta R.T. 0.01 min
 Lab File: VV019232.D
 Acq: 03 Nov 2020 13:13

Tgt Ion:105 Resp: 298
 Ion Ratio Lower Upper
 105 100
 120 24.5 35.7 53.5#

